

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061303.D
 Acq On : 25 Mar 2019 15:48
 Operator : VA/AP
 Sample : VD0325SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS01

Quant Time: Mar 26 04:27:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	707708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1206307	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	959123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	445747	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	328791	53.85	ug/l	0.00
Spiked Amount			Recovery	=	107.70%	
35) Dibromofluoromethane	6.93	113	501025	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	
50) Toluene-d8	10.42	98	1120492	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	13.56	95	464645	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	148676	20.548	ug/l	97
3) Chloromethane	1.77	50	130095	23.048	ug/l	99
4) Vinyl Chloride	1.86	62	114609	21.716	ug/l	100
5) Bromomethane	2.16	94	21117	19.714	ug/l	98
6) Chloroethane	2.27	64	32876	19.801	ug/l	94
7) Trichlorofluoromethane	2.53	101	141979	18.200	ug/l	99
8) Diethyl Ether	2.89	74	52768	22.749	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.16	101	171468	21.595	ug/l	94
10) Methyl Iodide	3.32	142	191045	17.222	ug/l	96
11) Tert butyl alcohol	4.08	59	35326	108.684	ug/l	99
12) 1,1-Dichloroethene	3.13	96	150530	22.032	ug/l	98
13) Acrolein	3.05	56	40570	114.031	ug/l	96
14) Allyl chloride	3.63	41	218456	22.539	ug/l	99
15) Acrylonitrile	4.21	53	127582	111.612	ug/l	97
16) Acetone	3.23	43	135494	92.773	ug/l	95
17) Carbon Disulfide	3.39	76	509467	22.452	ug/l	99
18) Methyl Acetate	3.65	43	61794	22.384	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	263462	21.896	ug/l	99
20) Methylene Chloride	3.83	84	165030	19.909	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	170261	22.275	ug/l	93
22) Diisopropyl ether	5.13	45	454873	22.278	ug/l	100
23) Vinyl Acetate	5.06	43	1191989	109.307	ug/l	100
24) 1,1-Dichloroethane	4.99	63	270257	22.714	ug/l	99
25) 2-Butanone	6.08	43	182461	108.012	ug/l	96
26) 2,2-Dichloropropane	6.04	77	214854	21.266	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	181193	22.028	ug/l	98
28) Bromochloromethane	6.45	49	110324	22.153	ug/l	100
29) Tetrahydrofuran	6.46	42	95459	113.529	ug/l	98
30) Chloroform	6.67	83	266350	21.007	ug/l	96
31) Cyclohexane	6.96	56	223848	23.180	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	239554	21.333	ug/l	97
36) 1,1-Dichloropropene	7.15	75	216775	21.964	ug/l	99
37) Ethyl Acetate	6.19	43	93316	22.637	ug/l	97
38) Carbon Tetrachloride	7.12	117	227834	20.198	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	225469	22.058	ug/l	97
40) Benzene	7.47	78	548996	22.397	ug/l	98
41) Methacrylonitrile	6.45	41	102300	21.355	ug/l	91
42) 1,2-Dichloroethane	7.58	62	157476	20.614	ug/l	98
43) Isopropyl Acetate	9.25	43	126055	21.207	ug/l #	98
44) Trichloroethene	8.55	130	198578	22.401	ug/l	100
45) 1,2-Dichloropropane	8.94	63	134062	22.160	ug/l	99
46) Dibromomethane	9.07	93	85350	20.582	ug/l	94
47) Bromodichloromethane	9.38	83	201793	20.762	ug/l	99
48) Methyl methacrylate	9.13	41	73663	23.219	ug/l	94
49) 1,4-Dioxane	9.08	88	15862	455.695	ug/l	94
51) 4-Methyl-2-Pentanone	10.30	43	381656	107.862	ug/l	97
52) Toluene	10.51	92	309154	20.613	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	183761	21.755	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	228734	22.176	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	109009	21.892	ug/l	99
56) Ethyl methacrylate	11.05	69	120164	22.616	ug/l	97
57) 1,3-Dichloropropane	11.41	76	164513	21.877	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	308112	111.465	ug/l	94
59) 2-Hexanone	11.53	43	294641	114.651	ug/l	97
60) Dibromochloromethane	11.69	129	160664	20.601	ug/l	98
61) 1,2-Dibromoethane	11.81	107	132366	22.752	ug/l	97
64) Tetrachloroethene	11.27	164	148210	22.432	ug/l	97
65) Chlorobenzene	12.40	112	380319	21.528	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	150124	21.918	ug/l	97
67) Ethyl Benzene	12.53	91	615470	22.765	ug/l	98
68) m/p-Xylenes	12.67	106	494868	46.891	ug/l	95
69) o-Xylene	13.05	106	214842	21.949	ug/l	91
70) Styrene	13.08	104	367616	22.130	ug/l	98
71) Bromoform	13.23	173	89838	21.434	ug/l #	95
73) Isopropylbenzene	13.40	105	636797	21.964	ug/l	98
74) N-amyl acetate	13.26	43	147515	19.448	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	120934	21.510	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	102637	18.515	ug/l	97
77) Bromobenzene	13.68	156	177911	21.969	ug/l	89
78) n-propylbenzene	13.78	91	683453	20.895	ug/l	98
79) 2-Chlorotoluene	13.84	91	416169	21.852	ug/l	95
80) 1,3,5-Trimethylbenzene	14.24	105	531332	23.231	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	36157	20.668	ug/l	96
82) 4-Chlorotoluene	13.95	91	437221	21.000	ug/l	93
83) tert-Butylbenzene	14.19	119	585504	22.421	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	531332	23.231	ug/l	99
85) sec-Butylbenzene	14.37	105	587605	20.205	ug/l	95
86) p-Isopropyltoluene	14.49	119	516995	19.926	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	286505	19.959	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	293076	21.077	ug/l	97
89) n-Butylbenzene	14.80	91	502845	21.829	ug/l	98
90) Hexachloroethane	15.01	117	152414	21.909	ug/l	82
91) 1,2-Dichlorobenzene	14.81	146	257788	22.506	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14351	20.427	ug/l	71

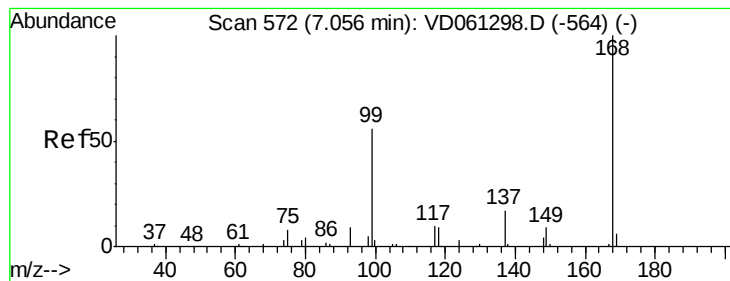
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	109028	20.611	ug/l	97
94) Hexachlorobutadiene	16.04	225	89493	20.996	ug/l	97
95) Naphthalene	16.13	128	176061	22.810	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	53959	21.839	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

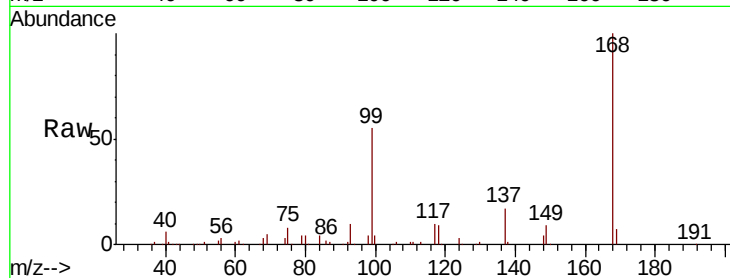
VD0325SBS01

Tot Ion:168 Resp: 707708

Ion Ratio Lower Upper

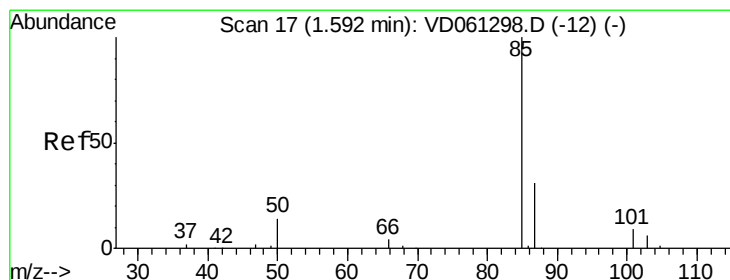
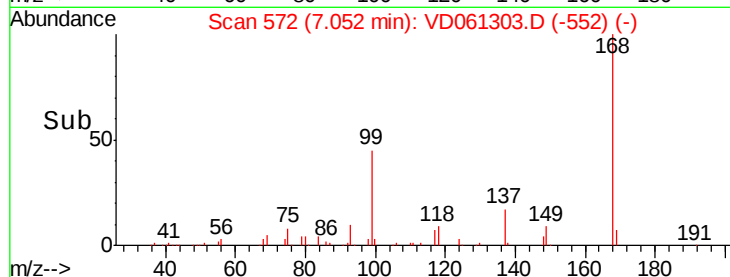
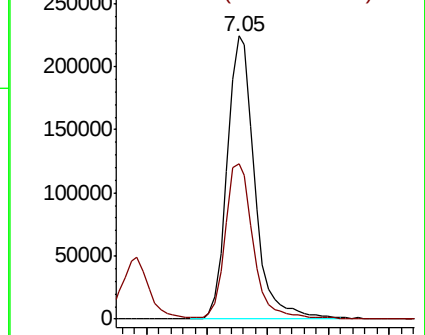
168 100

99 54.8 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.548 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.00 min

Lab File: VD061303.D

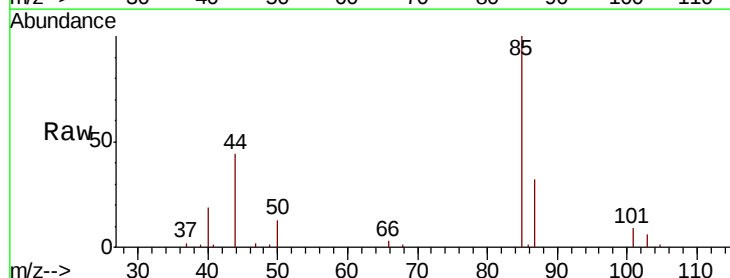
Acq: 25 Mar 2019 15:48

Tgt Ion: 85 Resp: 148676

Ion Ratio Lower Upper

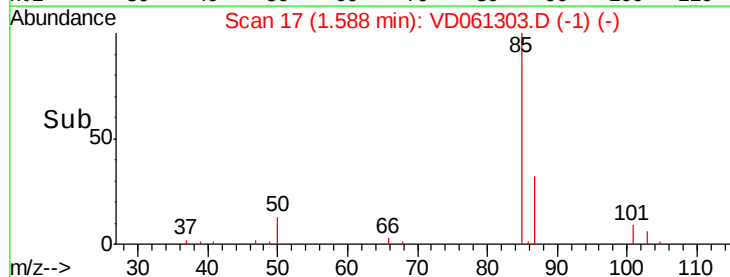
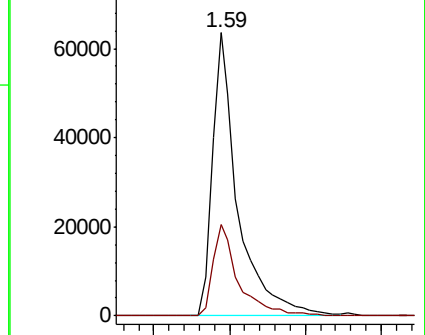
85 100

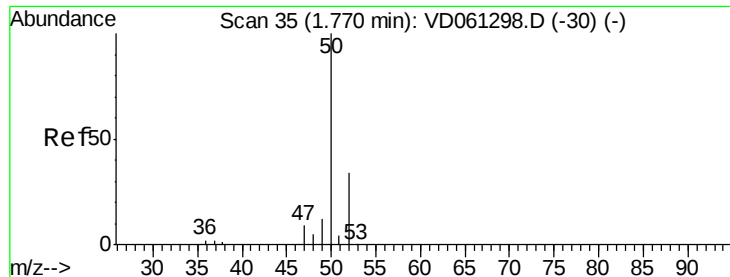
87 32.5 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

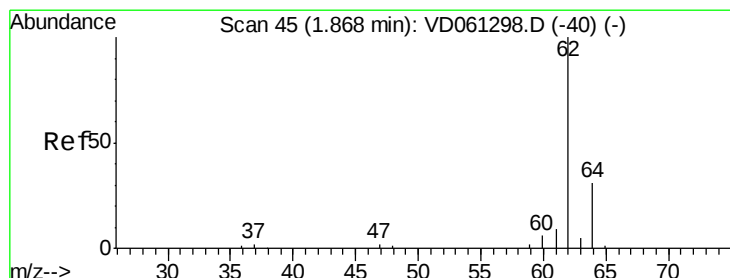
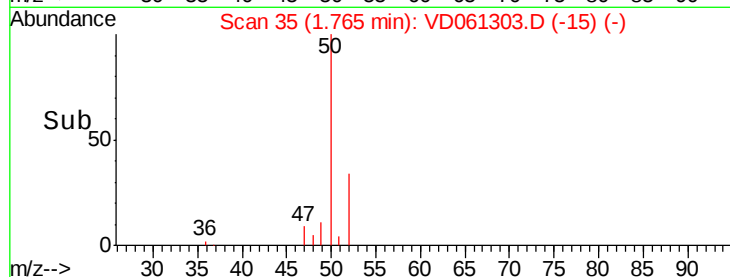
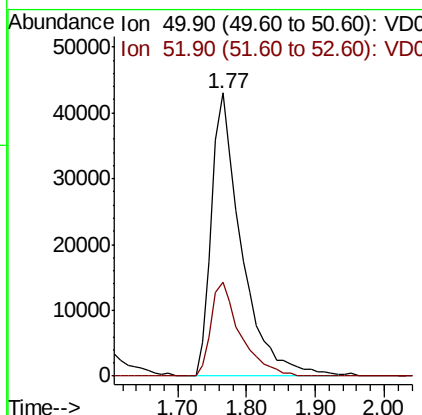
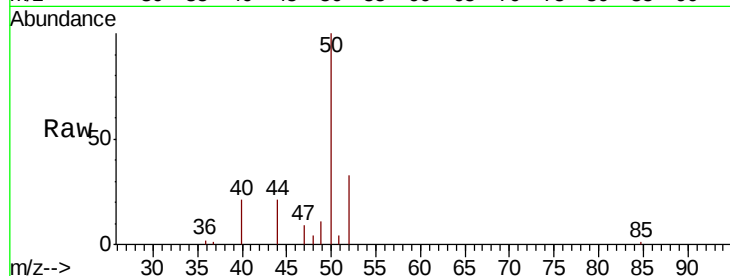




#3
Chloromethane
Concen: 23.048 ug/l
RT: 1.77 min Scan# 35
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

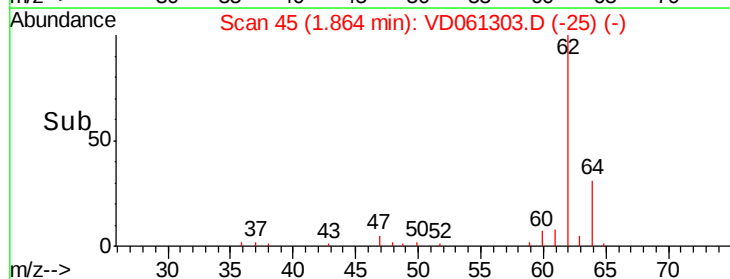
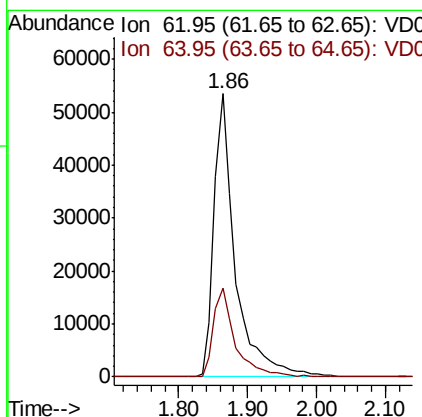
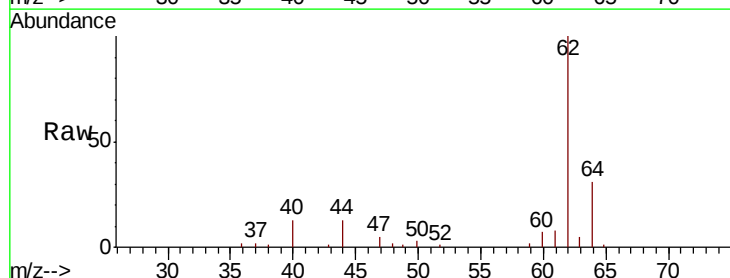
Instrument :
MSVOA_D
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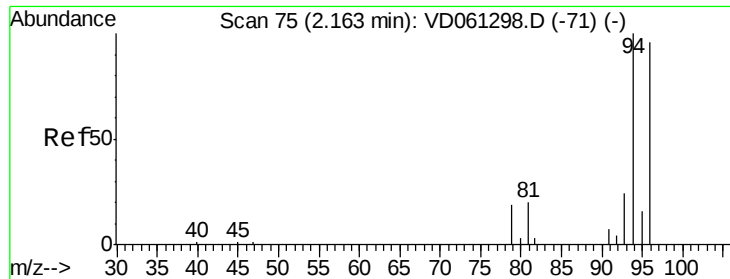
Tot Ion: 50 Resp: 130095
Ion Ratio Lower Upper
50 100
52 33.4 27.1 40.7



#4
Vinyl Chloride
Concen: 21.716 ug/l
RT: 1.86 min Scan# 45
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Tgt Ion: 62 Resp: 114609
Ion Ratio Lower Upper
62 100
64 31.4 25.1 37.7





#5

Bromomethane

Concen: 19.714 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

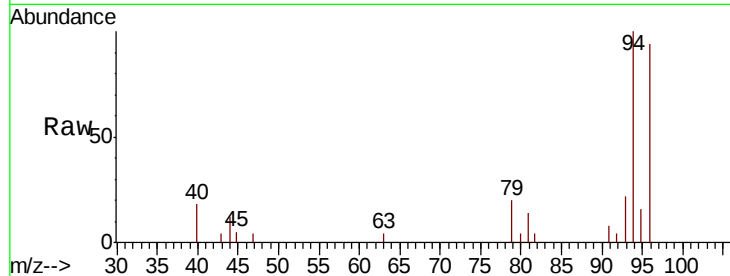
Tot Ion: 94 Resp: 21117

Ion Ratio Lower Upper

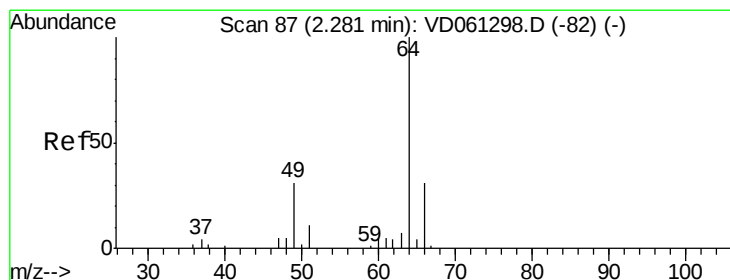
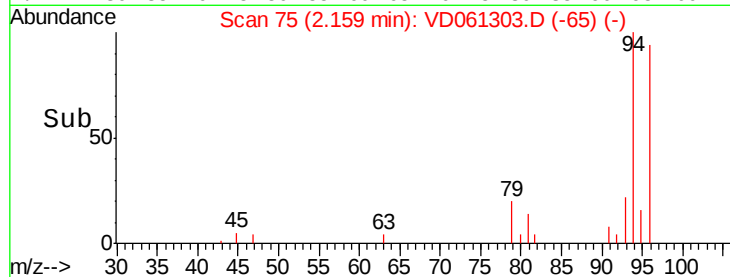
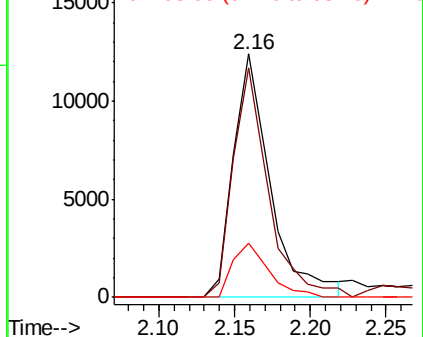
94 100

96 94.5 76.9 115.3

93 22.5 18.8 28.2



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 19.801 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD061303.D

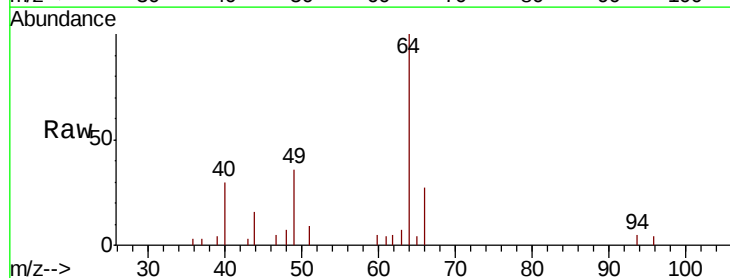
Acq: 25 Mar 2019 15:48

Tgt Ion: 64 Resp: 32876

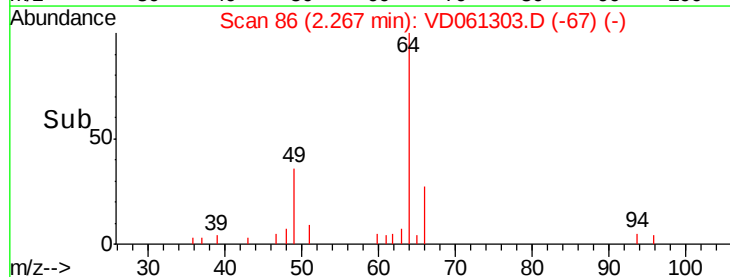
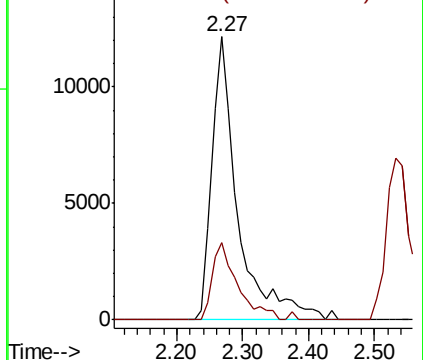
Ion Ratio Lower Upper

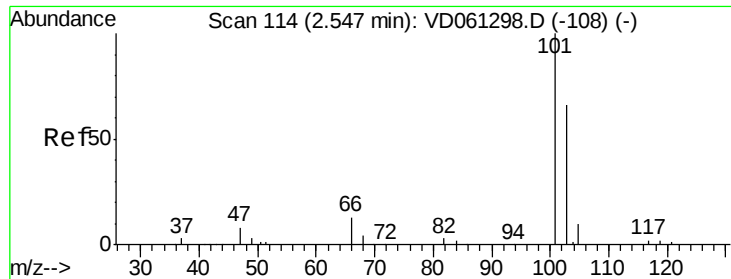
64 100

66 27.4 24.6 36.8



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



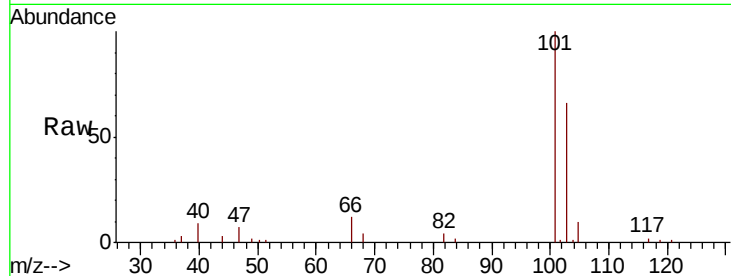


#7

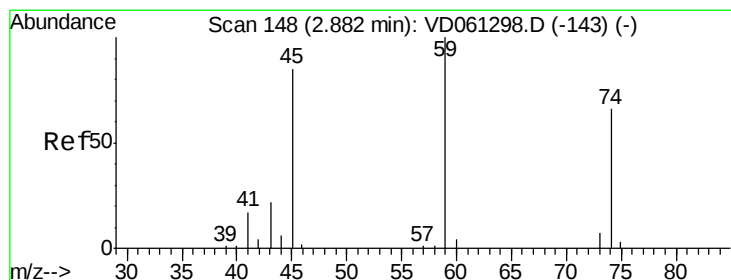
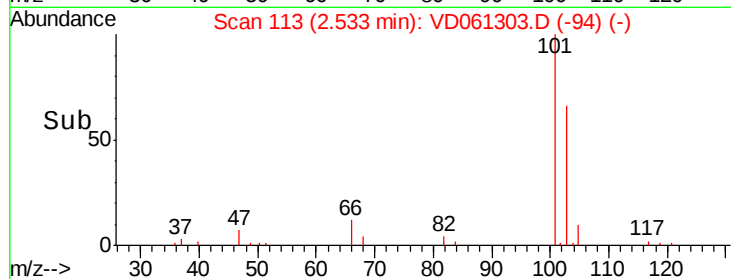
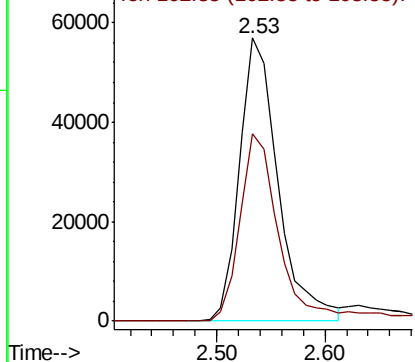
Trichlorofluoromethane
 Concen: 18.200 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD061303.D
 Acq: 25 Mar 2019 15:48

Instrument :
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 ClientSampleId :
 VD0325SBS01

Tot Ion:101 Resp: 141979
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.6 79.0



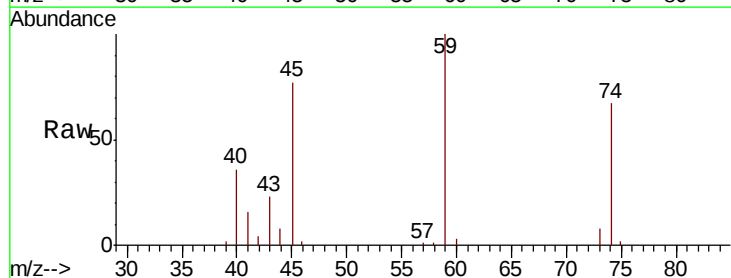
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



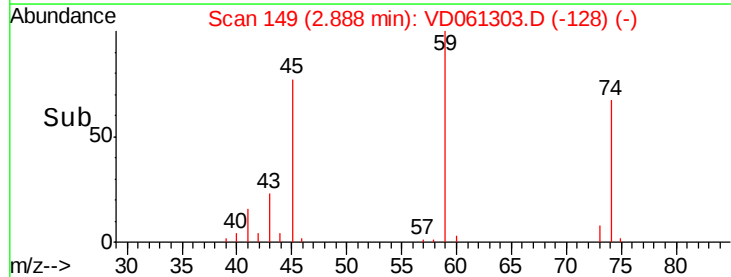
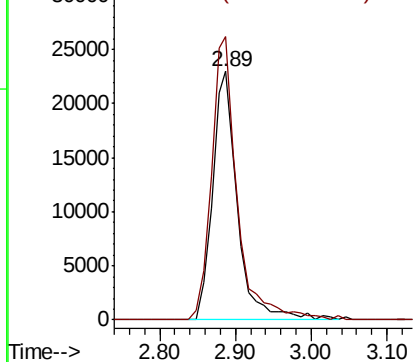
#8

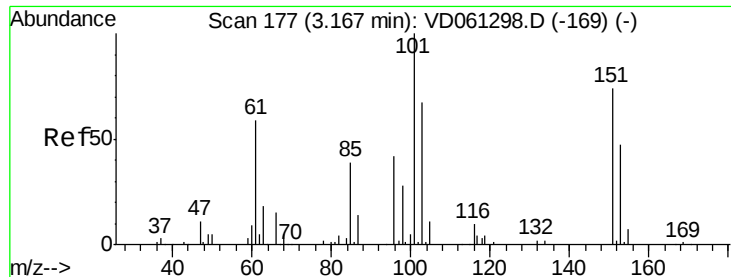
Diethyl Ether
 Concen: 22.749 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.01 min
 Lab File: VD061303.D
 Acq: 25 Mar 2019 15:48

Tgt Ion: 74 Resp: 52768
 Ion Ratio Lower Upper
 74 100
 45 113.8 64.3 192.9



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.595 ug/l

RT: 3.16 min Scan# 177

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

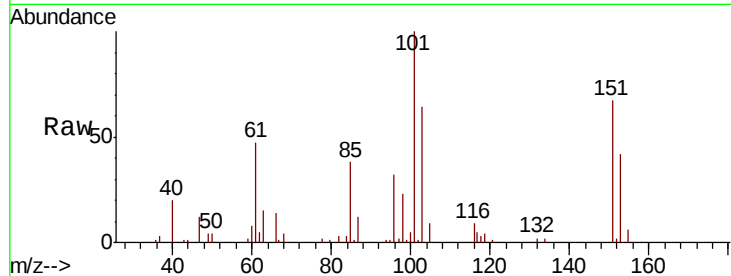
Tot Ion:101 Resp: 171468

Ion Ratio Lower Upper

101 100

85 37.9 31.6 47.4

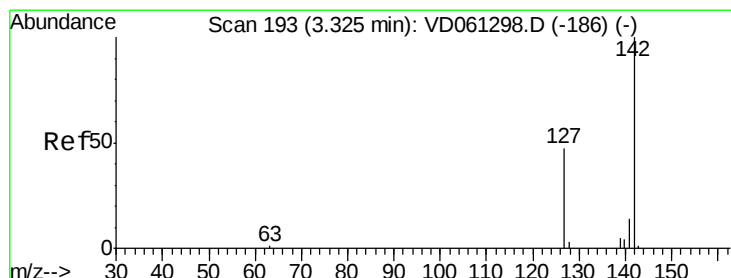
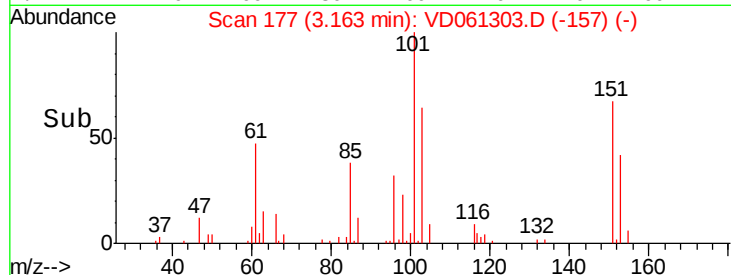
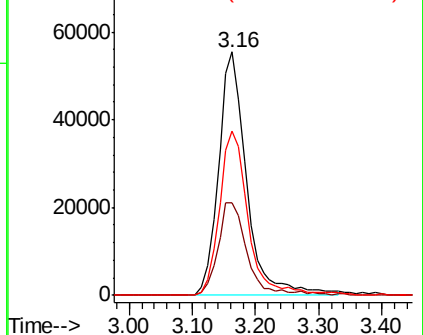
151 67.2 59.3 88.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.222 ug/l

RT: 3.32 min Scan# 193

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

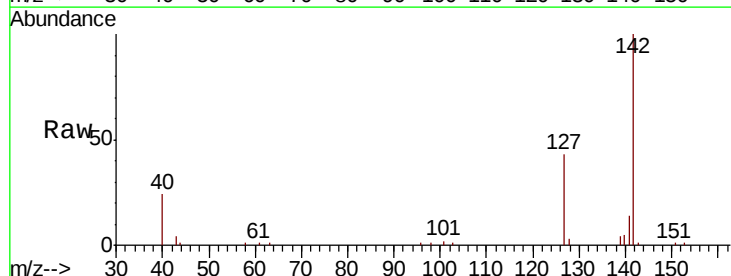
Tgt Ion:142 Resp: 191045

Ion Ratio Lower Upper

142 100

127 43.5 37.8 56.6

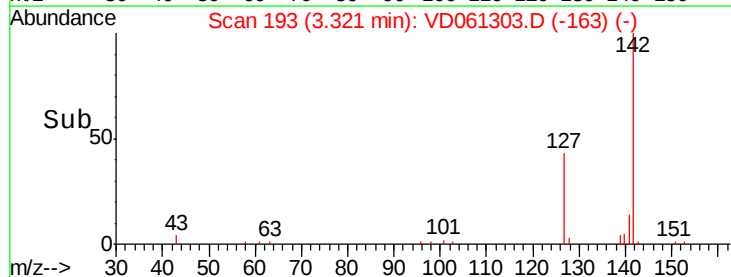
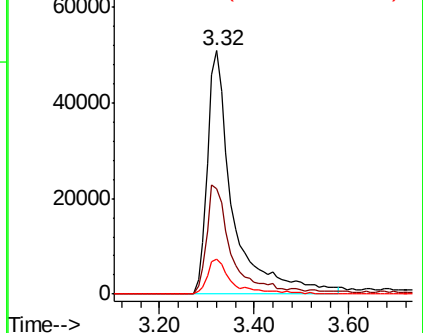
141 14.3 11.6 17.4

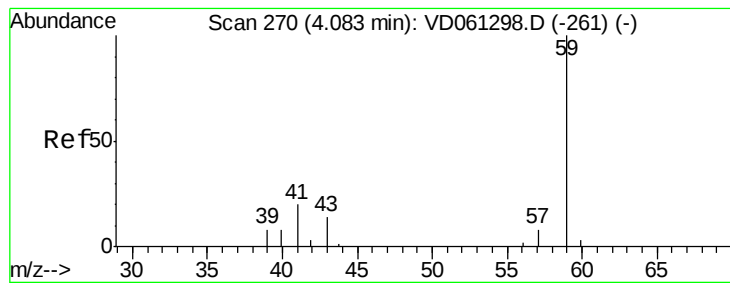


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



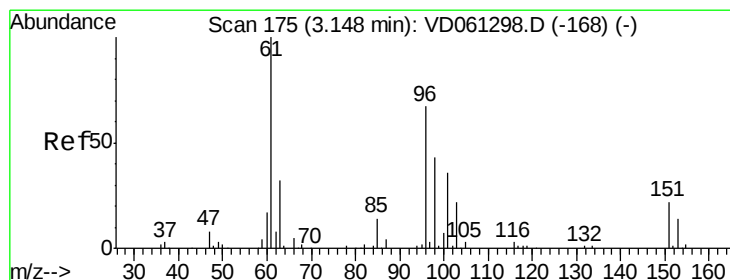
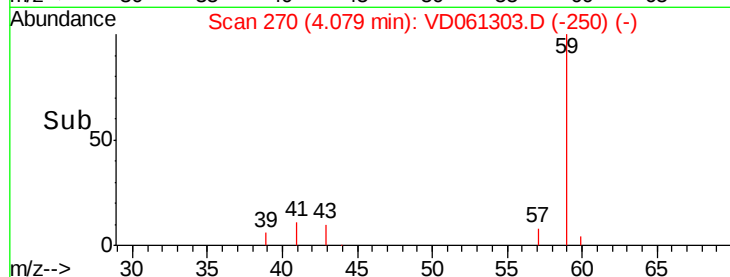
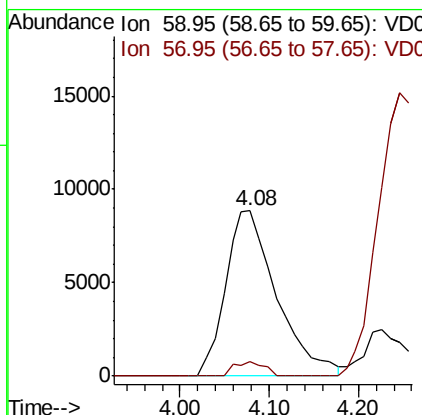
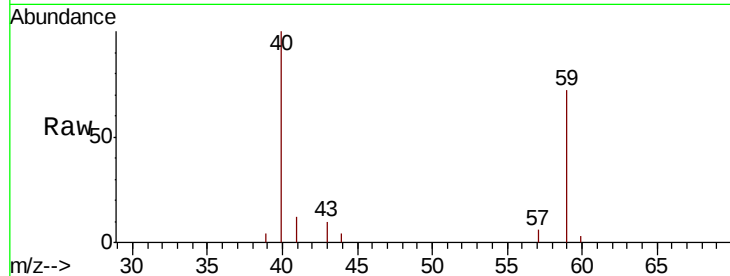


#11

Tert butyl alcohol
 Concen: 108.684 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VD061303.D
 Acq: 25 Mar 2019 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS01

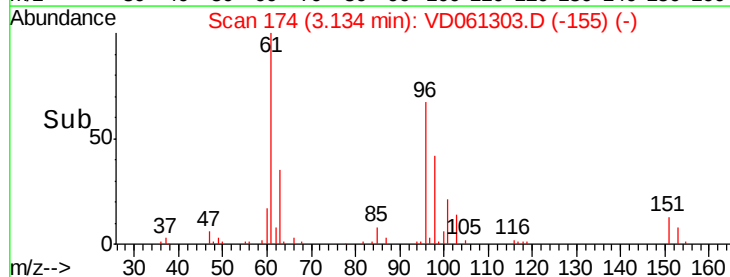
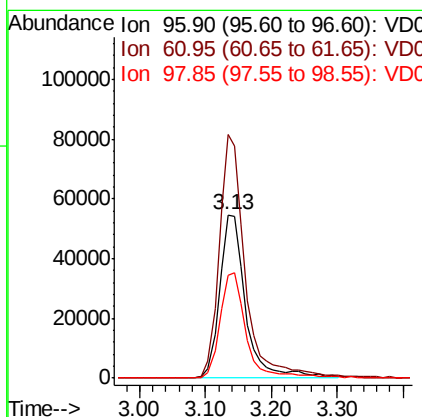
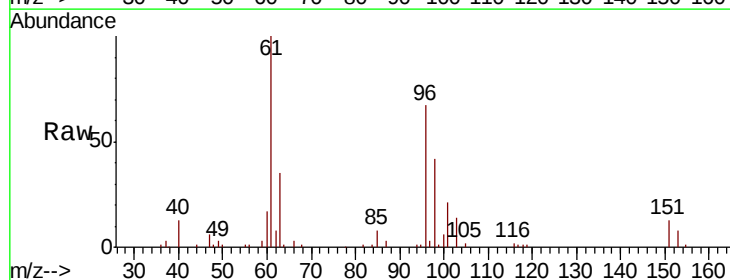
Tot Ion: 59 Resp: 35326
 Ion Ratio Lower Upper
 59 100
 57 8.4 6.6 9.8

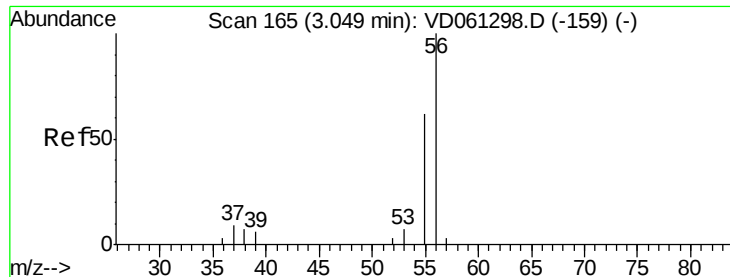


#12

1,1-Dichloroethene
 Concen: 22.032 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. -0.01 min
 Lab File: VD061303.D
 Acq: 25 Mar 2019 15:48

Tgt Ion: 96 Resp: 150530
 Ion Ratio Lower Upper
 96 100
 61 149.1 120.2 180.2
 98 62.7 52.2 78.4





#13

Acrolein

Concen: 114.031 ug/l

RT: 3.05 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

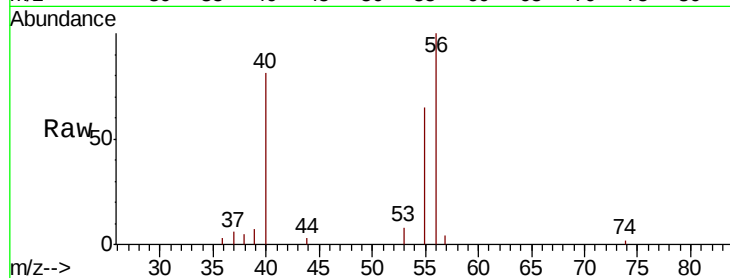
VD0325SBS01

Tot Ion: 56 Resp: 40570

Ion Ratio Lower Upper

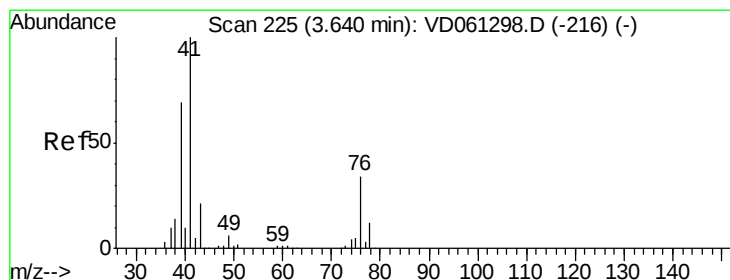
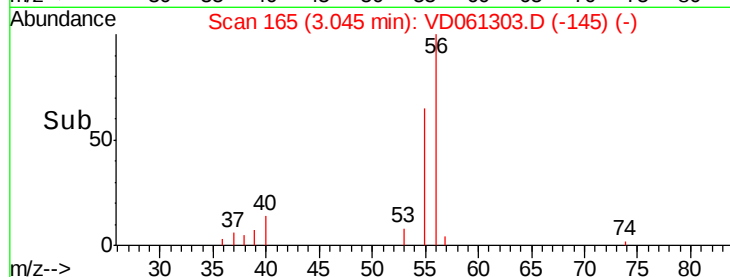
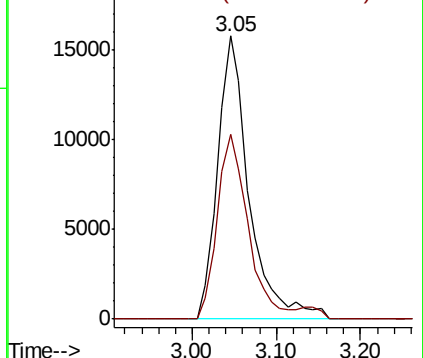
56 100

55 65.4 49.8 74.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.539 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

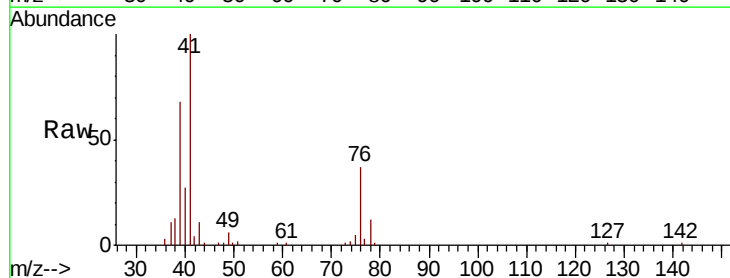
Tgt Ion: 41 Resp: 218456

Ion Ratio Lower Upper

41 100

39 68.4 55.1 82.7

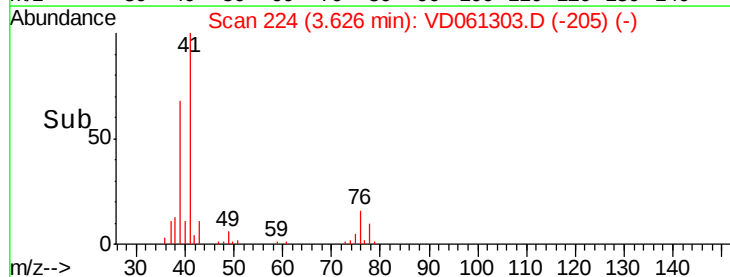
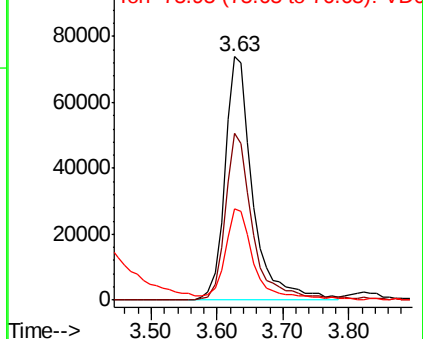
76 37.3 30.2 45.2

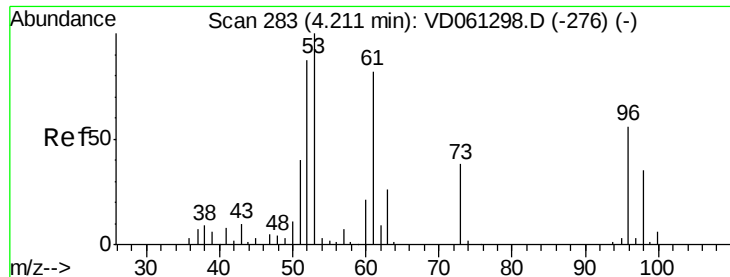


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 111.612 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

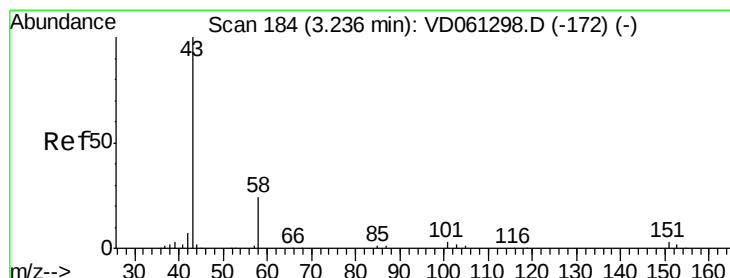
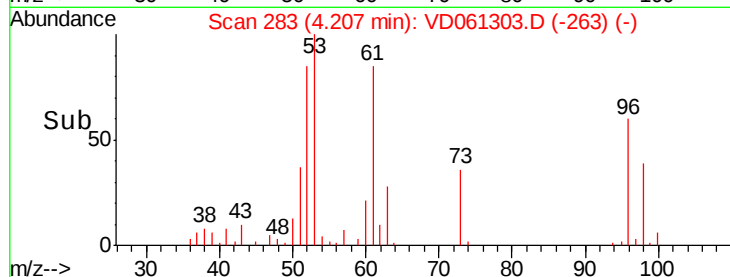
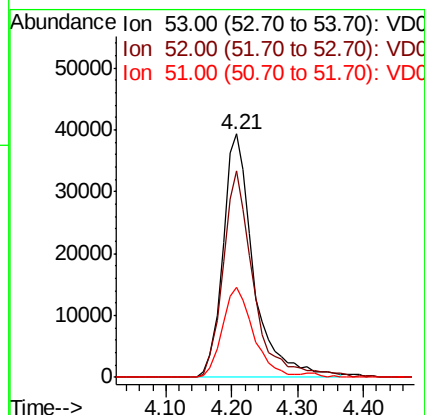
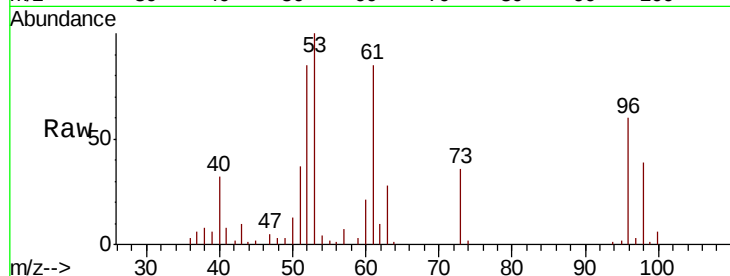
Tot Ion: 53 Resp: 127582

Ion Ratio Lower Upper

53 100

52 84.6 69.4 104.2

51 37.1 31.7 47.5



#16

Acetone

Concen: 92.773 ug/l

RT: 3.23 min Scan# 184

Delta R.T. -0.00 min

Lab File: VD061303.D

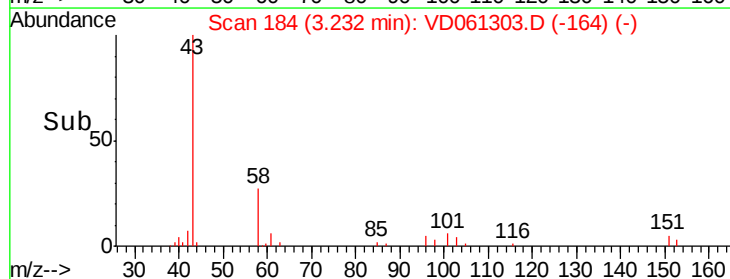
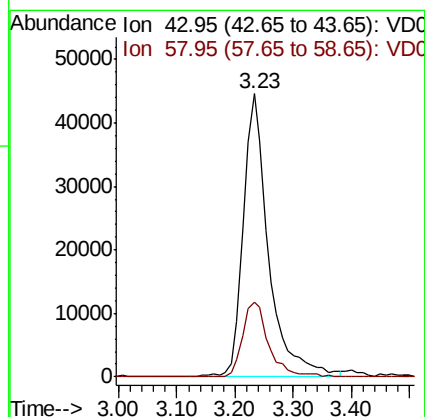
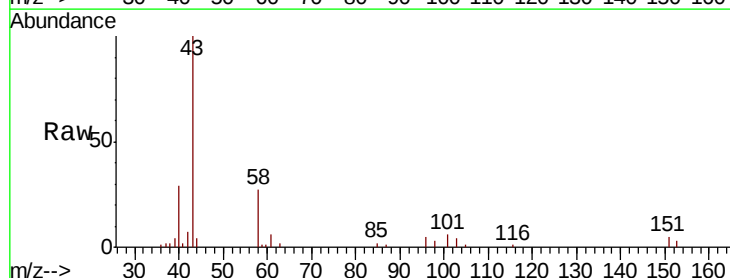
Acq: 25 Mar 2019 15:48

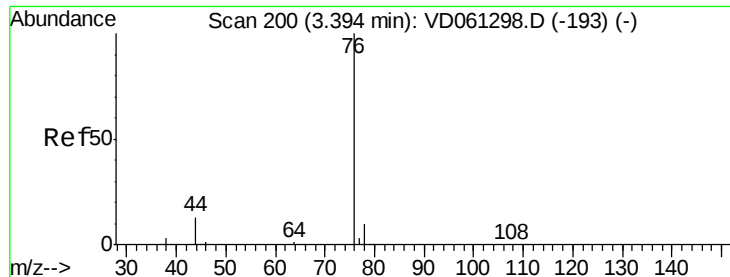
Tgt Ion: 43 Resp: 135494

Ion Ratio Lower Upper

43 100

58 26.6 19.4 29.0

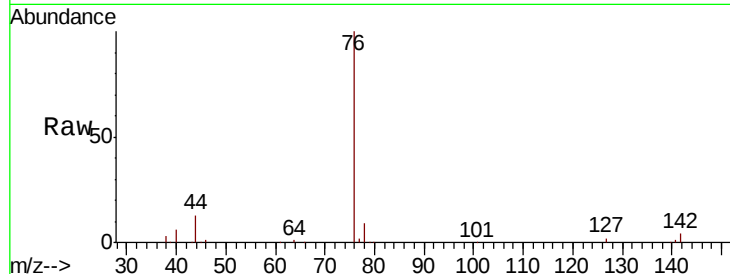




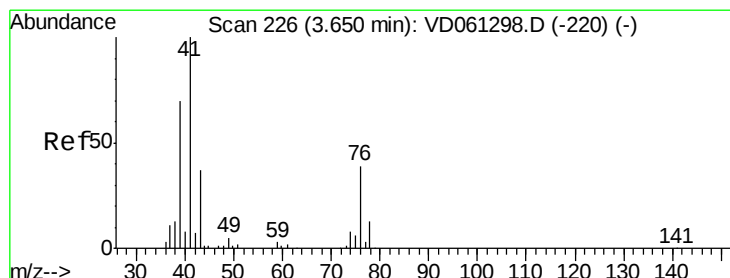
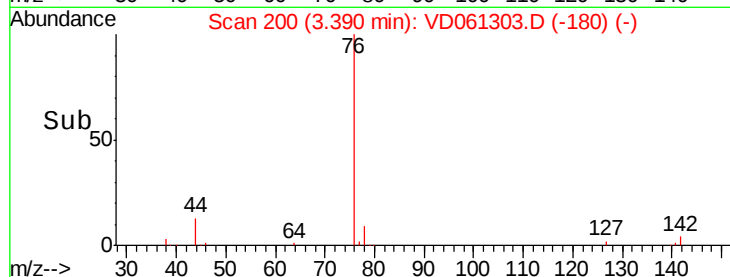
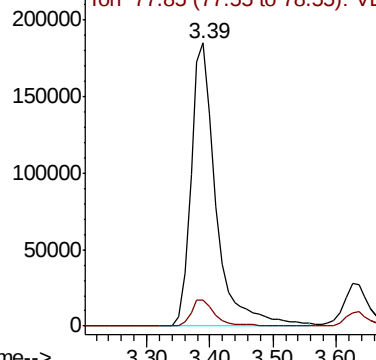
#17
Carbon Disulfide
Concen: 22.452 ug/l
RT: 3.39 min Scan# 200
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS01

Tot Ion: 76 Resp: 509467
Ion Ratio Lower Upper
76 100
78 9.2 7.8 11.6

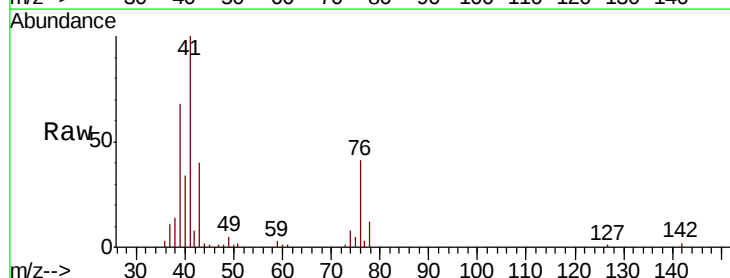


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

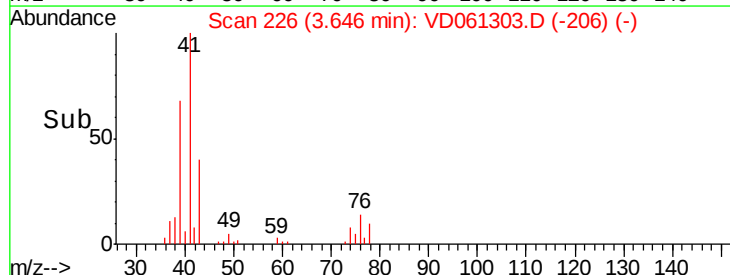
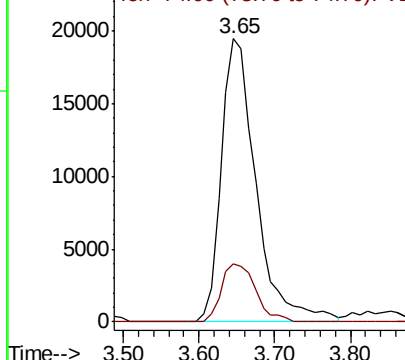


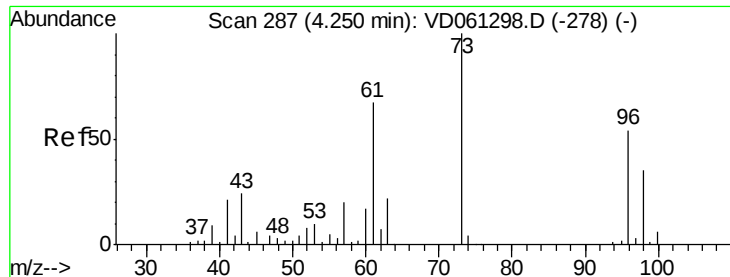
#18
Methyl Acetate
Concen: 22.384 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Tgt Ion: 43 Resp: 61794
Ion Ratio Lower Upper
43 100
74 20.5 16.6 25.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

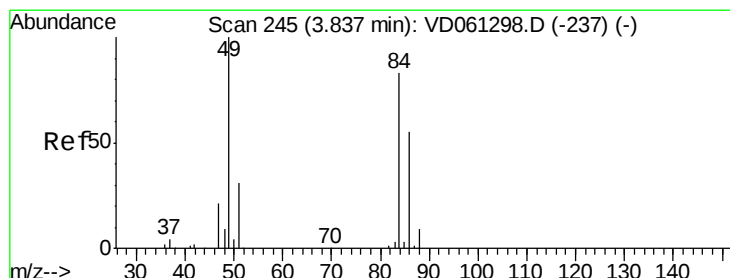
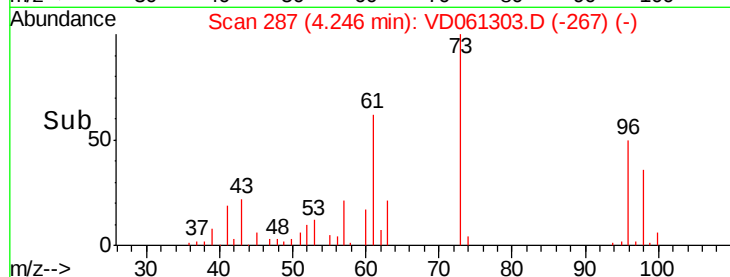
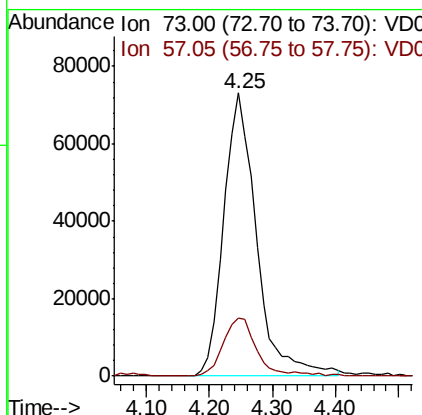
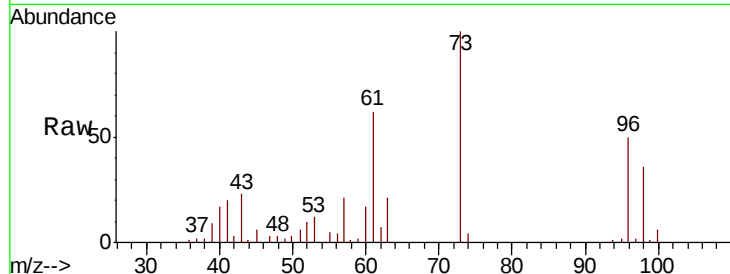




#19
Methvl tert-butvl Ether
Concen: 21.896 ug/l
RT: 4.25 min Scan# 287
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

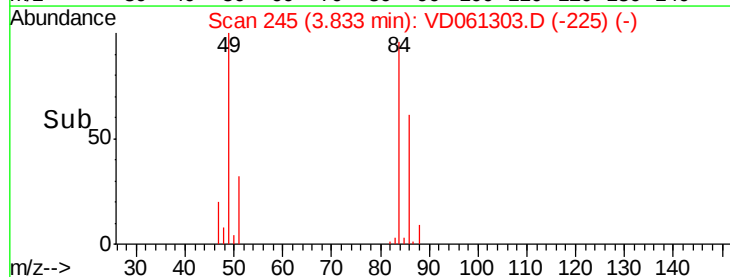
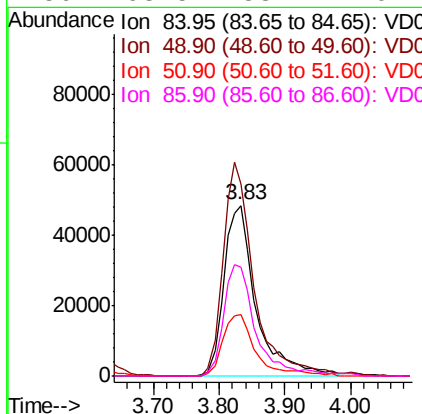
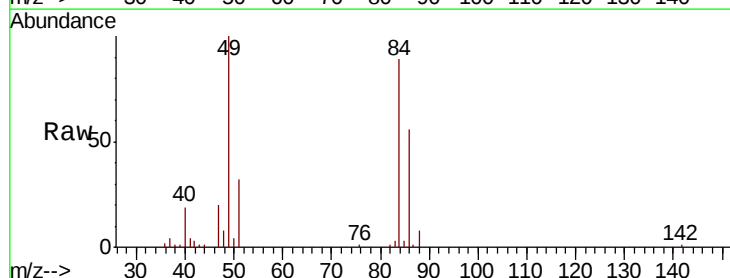
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS01

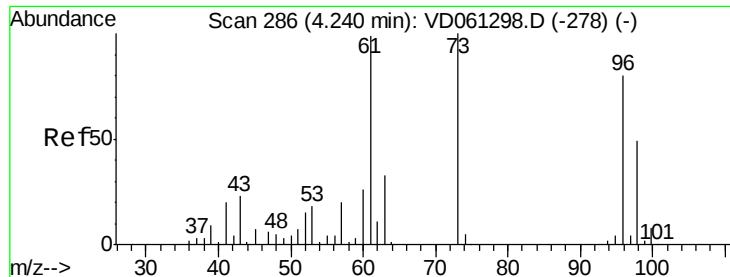
Tot Ion: 73 Resp: 263462
Ion Ratio Lower Upper
73 100
57 20.7 16.3 24.5



#20
Methylene Chloride
Concen: 19.909 ug/l
RT: 3.83 min Scan# 245
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Tgt Ion: 84 Resp: 165030
Ion Ratio Lower Upper
84 100
49 112.9 96.8 145.2
51 36.1 29.9 44.9
86 63.5 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 22.275 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.01 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

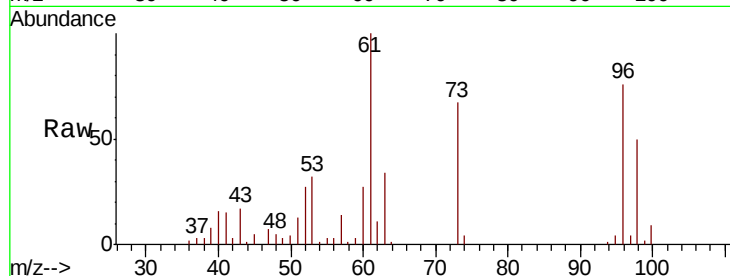
Tot Ion: 96 Resp: 170261

Ion Ratio Lower Upper

96 100

61 131.8 99.2 148.8

98 66.2 49.2 73.8

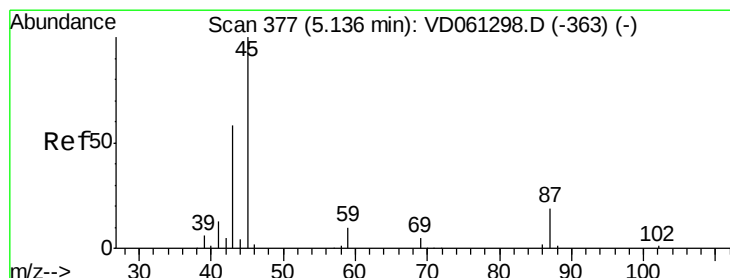
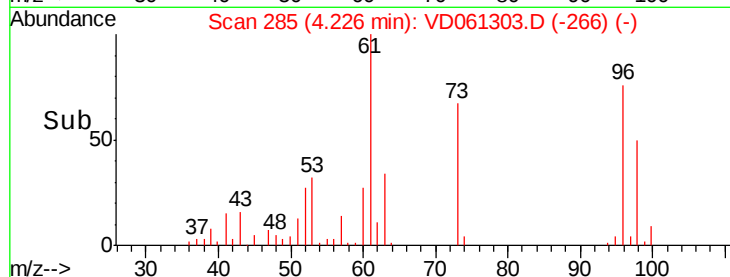
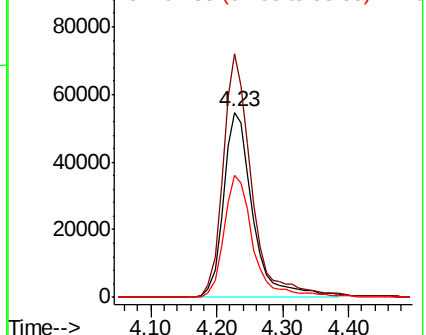


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 22.278 ug/l

RT: 5.13 min Scan# 377

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Tgt Ion: 45 Resp: 454873

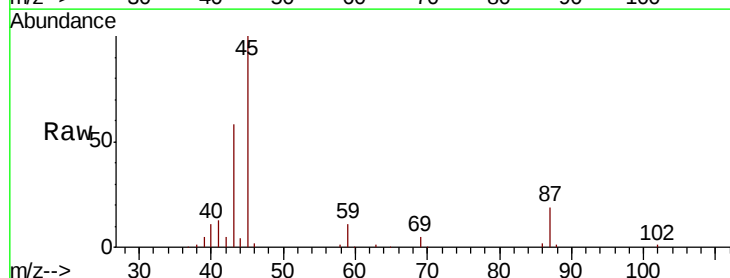
Ion Ratio Lower Upper

45 100

43 57.9 46.7 70.1

87 19.4 15.5 23.3

59 10.6 8.4 12.6



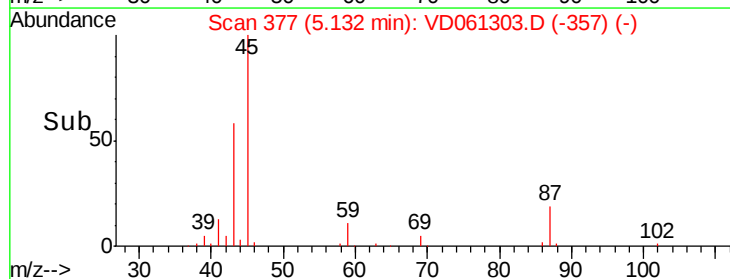
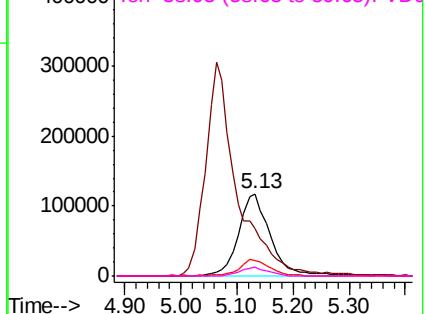
Abundance

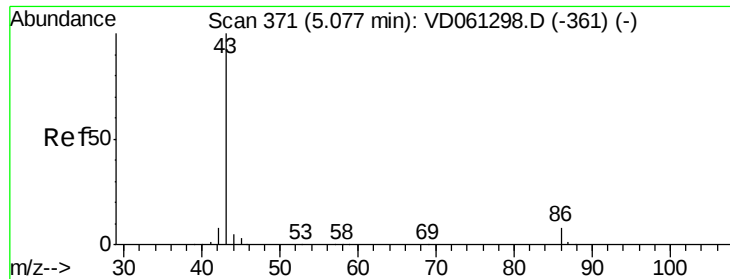
Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 109.307 ug/l

RT: 5.06 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

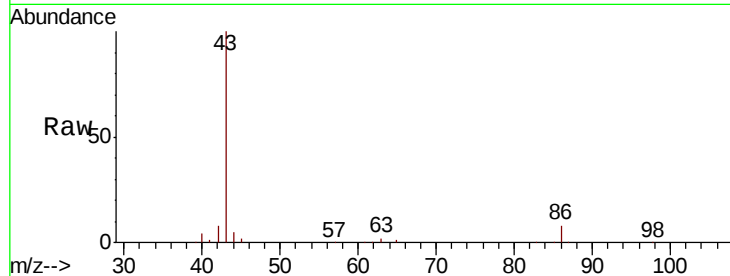
VD0325SBS01

Tot Ion: 43 Resp: 1191989

Ion Ratio Lower Upper

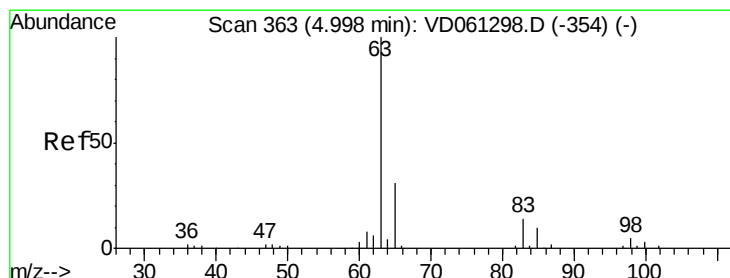
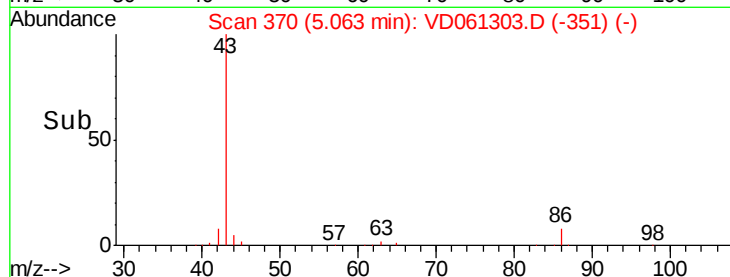
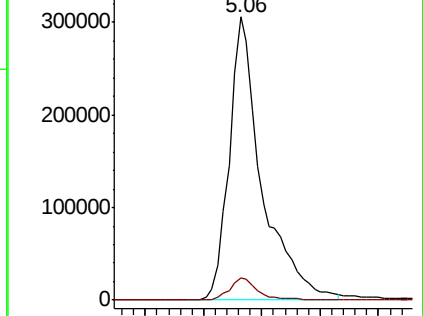
43 100

86 7.8 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.714 ug/l

RT: 4.99 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

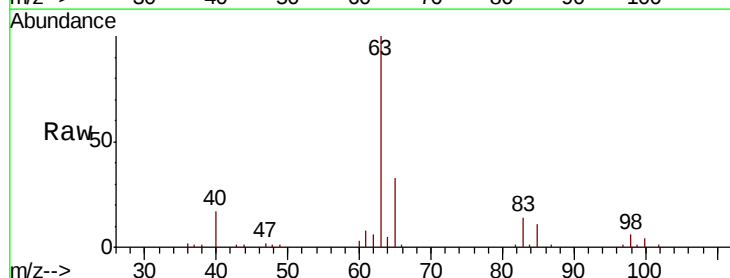
Tgt Ion: 63 Resp: 270257

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

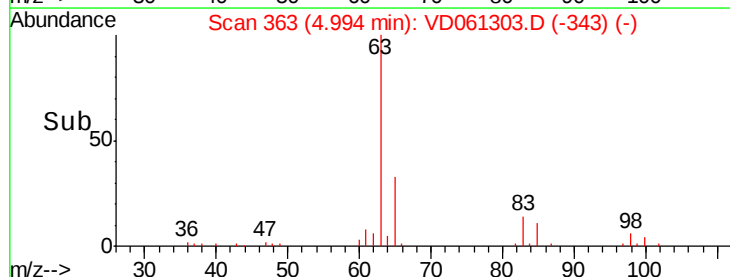
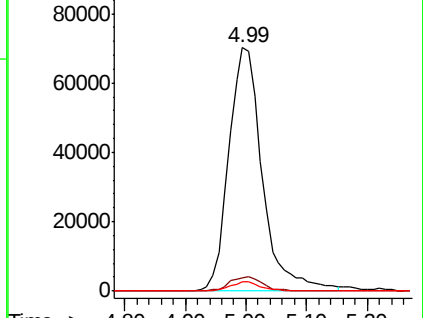
100 3.6 1.6 4.8

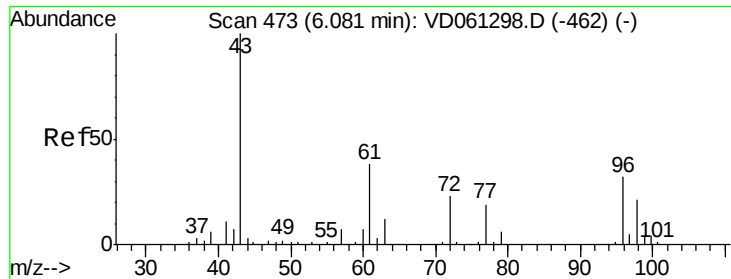


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 108.012 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

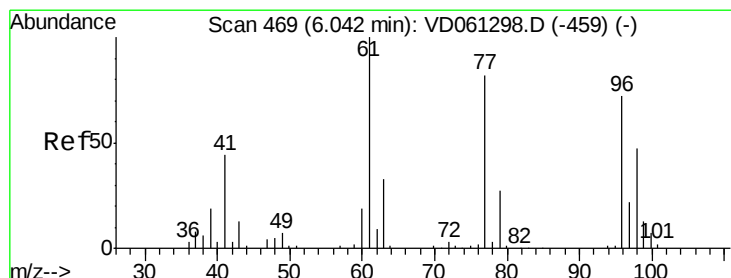
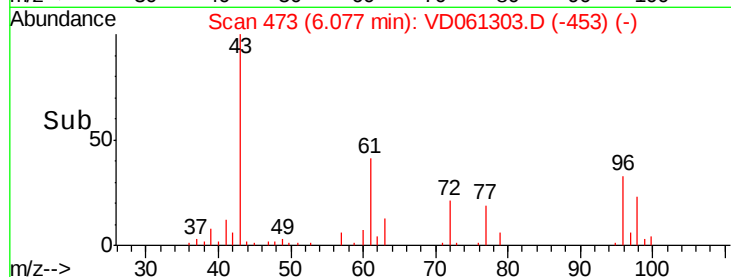
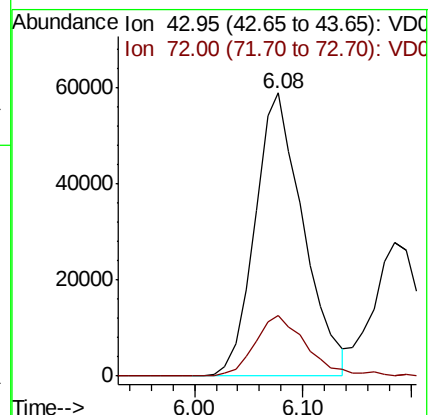
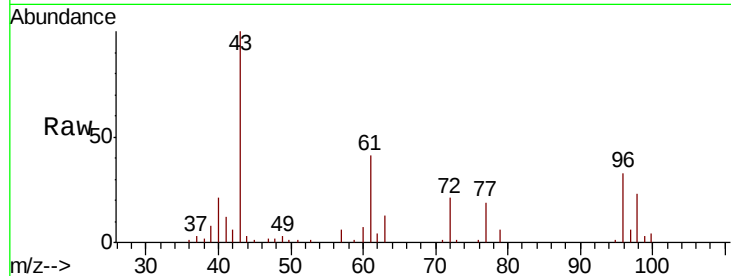
VD0325SBS01

Tot Ion: 43 Resp: 182461

Ion Ratio Lower Upper

43 100

72 21.3 18.5 27.7



#26

2,2-Dichloropropane

Concen: 21.266 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD061303.D

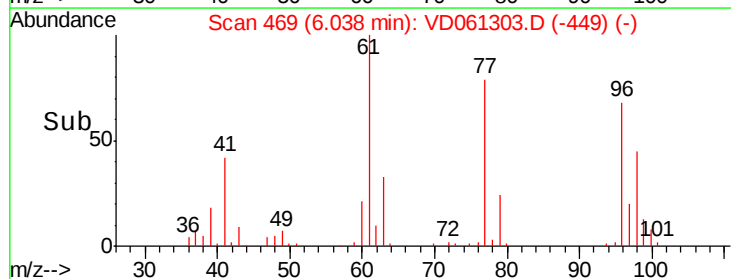
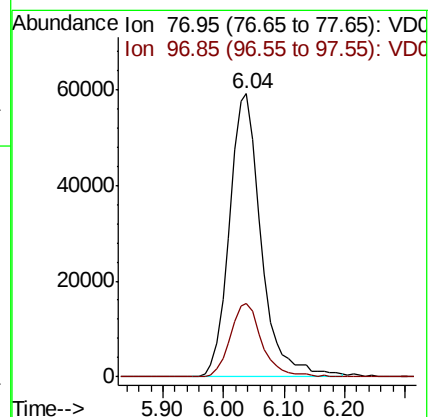
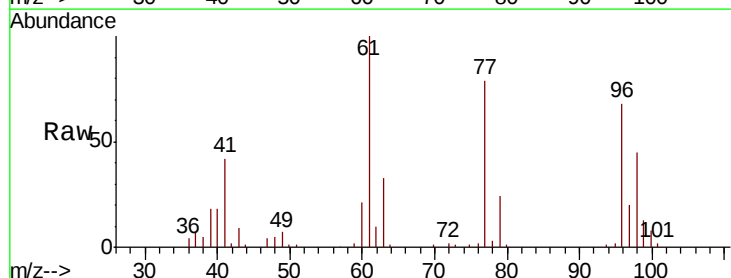
Acq: 25 Mar 2019 15:48

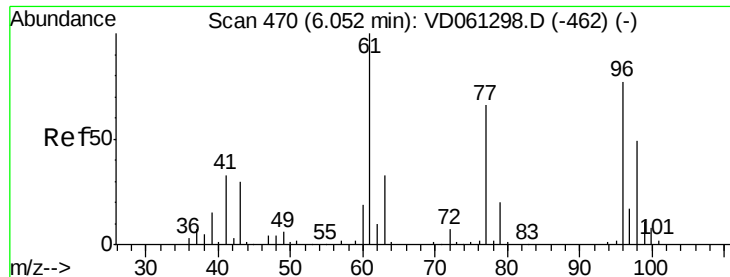
Tgt Ion: 77 Resp: 214854

Ion Ratio Lower Upper

77 100

97 25.8 13.5 40.5



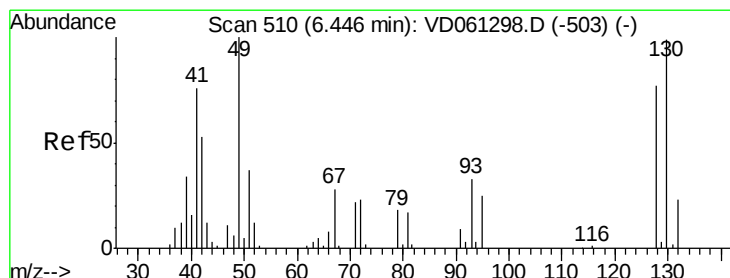
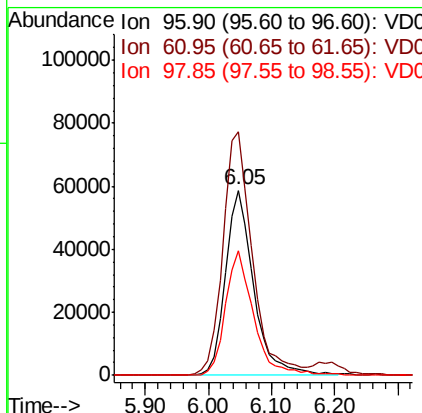
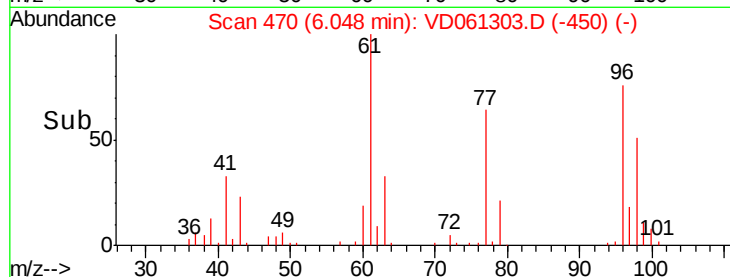
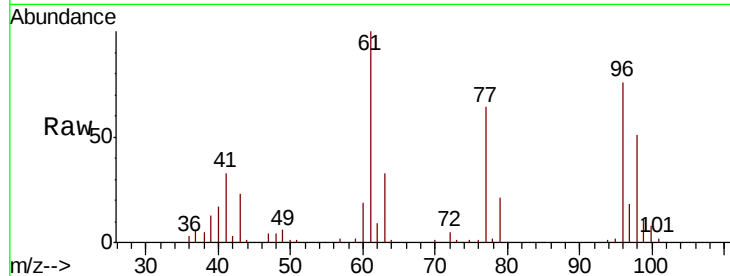


#27

cis-1,2-Dichloroethene
 Concen: 22.028 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: VD061303.D
 Acq: 25 Mar 2019 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS01

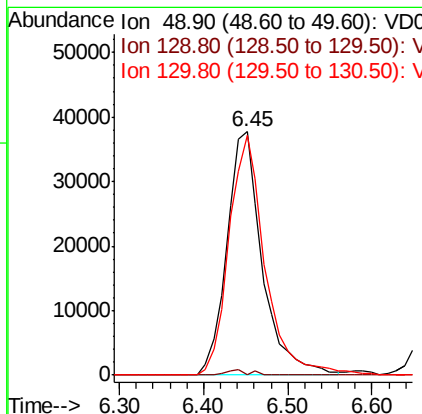
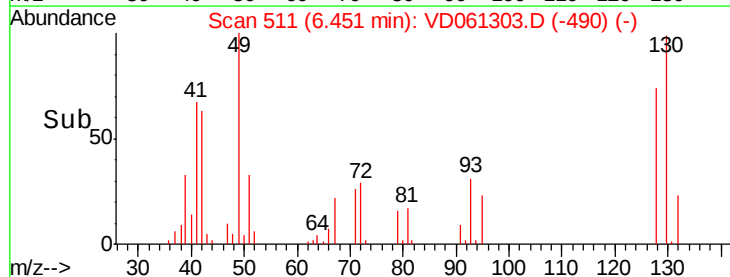
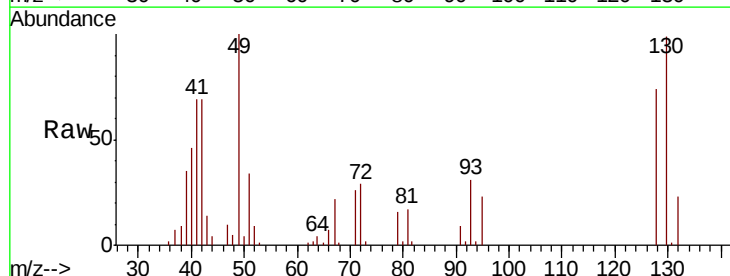
Tot Ion: 96 Resp: 181193
 Ion Ratio Lower Upper
 96 100
 61 131.5 0.0 261.0
 98 67.0 0.0 127.6

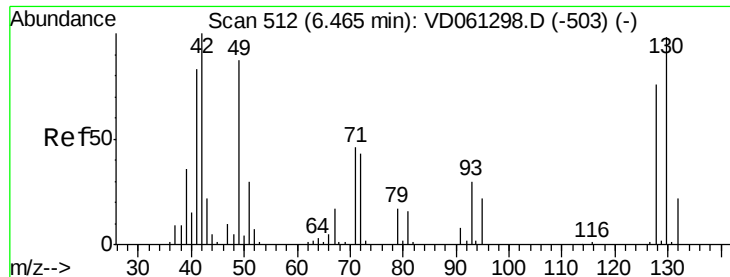


#28

Bromochloromethane
 Concen: 22.153 ug/l
 RT: 6.45 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VD061303.D
 Acq: 25 Mar 2019 15:48

Tgt Ion: 49 Resp: 110324
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.2
 130 98.6 79.0 118.6

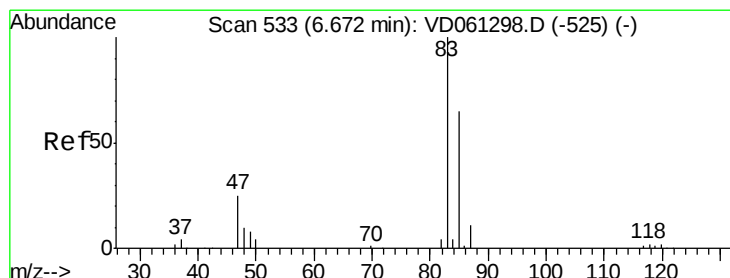
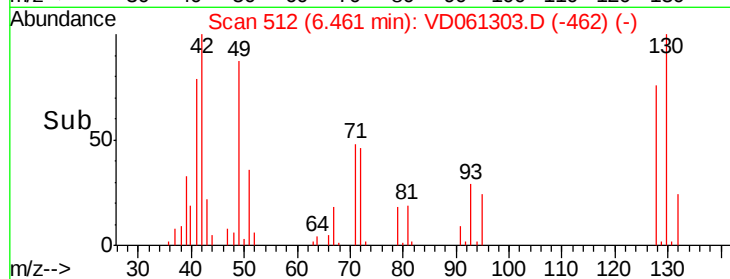
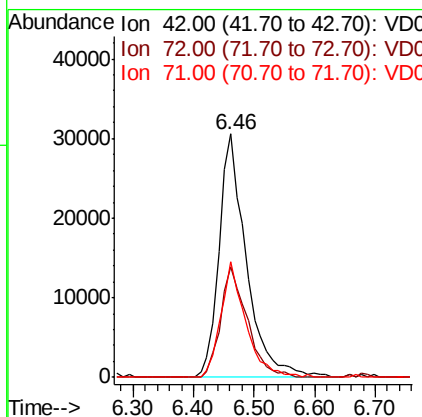
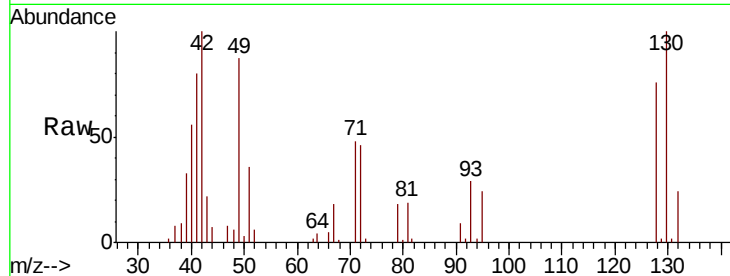




#29
Tetrahydrofuran
Concen: 113.529 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

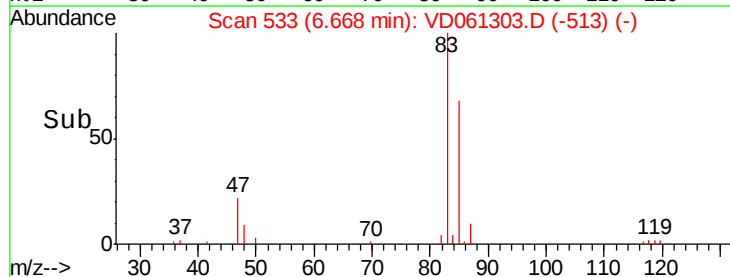
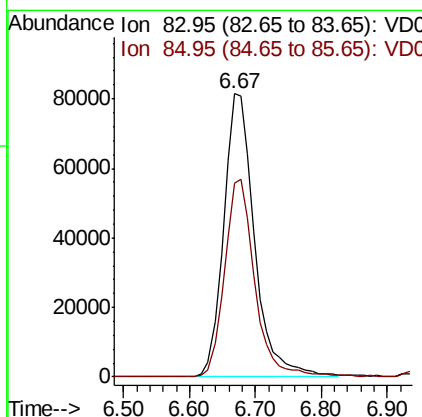
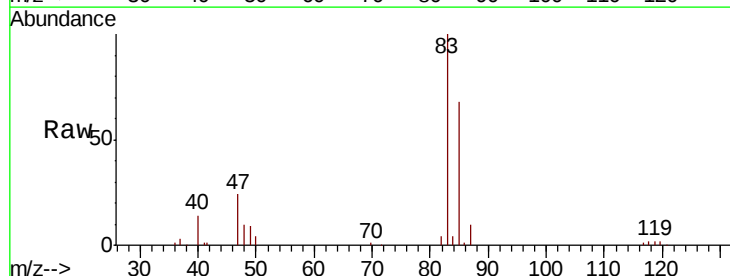
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS01

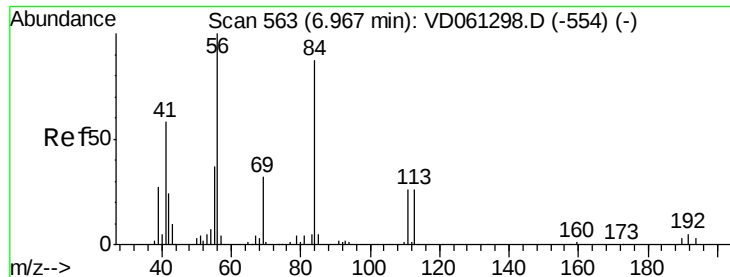
Tot Ion: 42 Resp: 95459
Ion Ratio Lower Upper
42 100
72 44.4 36.6 54.8
71 43.5 36.3 54.5



#30
Chloroform
Concen: 21.007 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Tgt Ion: 83 Resp: 266350
Ion Ratio Lower Upper
83 100
85 68.2 52.2 78.2

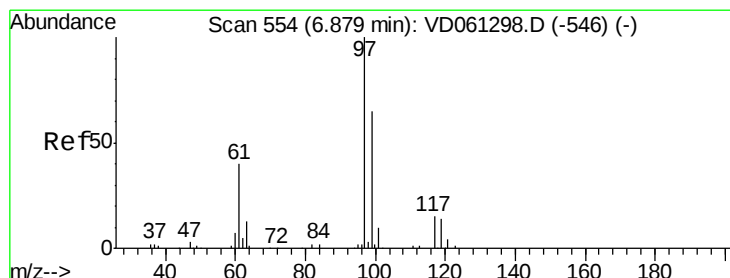
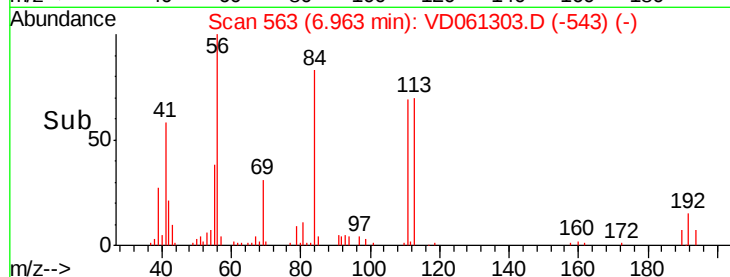
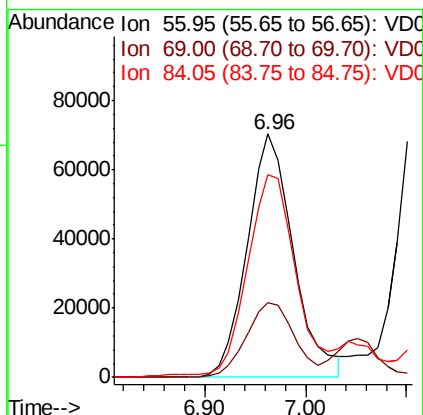
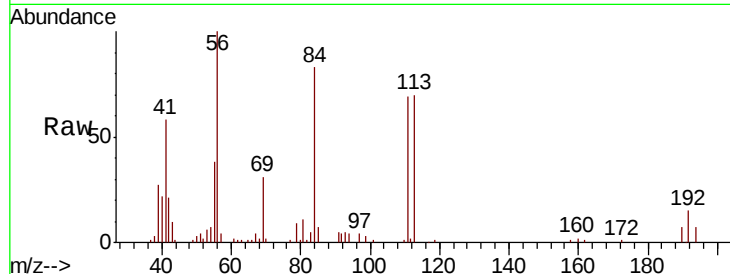




#31
Cyclohexane
Concen: 23.180 ug/l
RT: 6.96 min Scan# 563
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

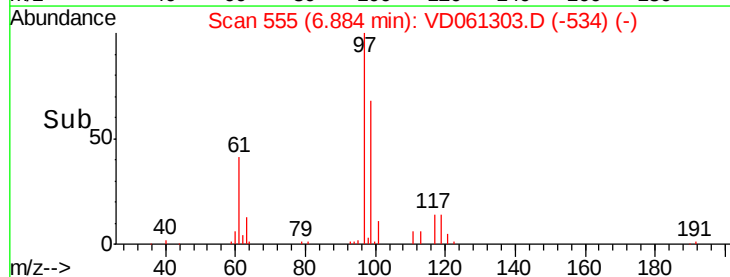
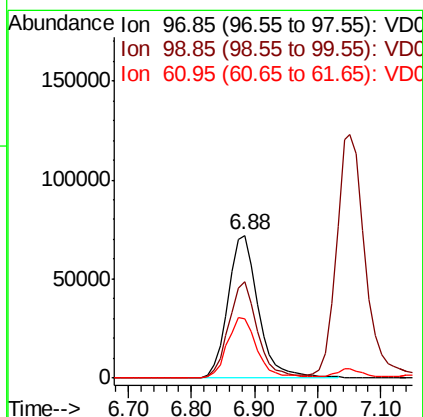
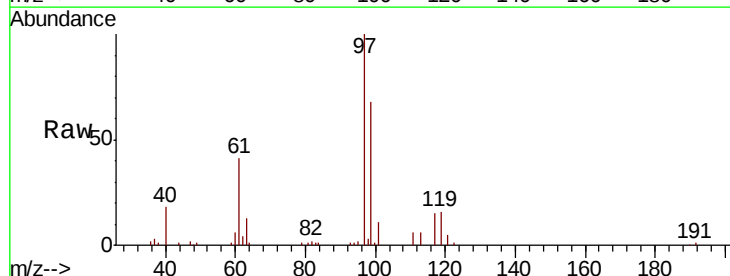
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS01

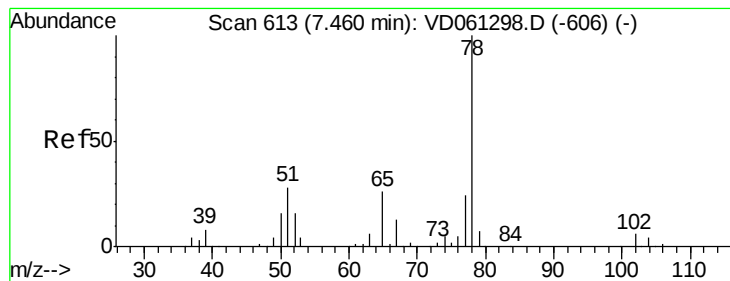
Tot Ion: 56 Resp: 223848
Ion Ratio Lower Upper
56 100
69 30.8 25.5 38.3
84 83.4 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 21.333 ug/l
RT: 6.88 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Tgt Ion: 97 Resp: 239554
Ion Ratio Lower Upper
97 100
99 67.8 51.8 77.6
61 41.1 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 21.333 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

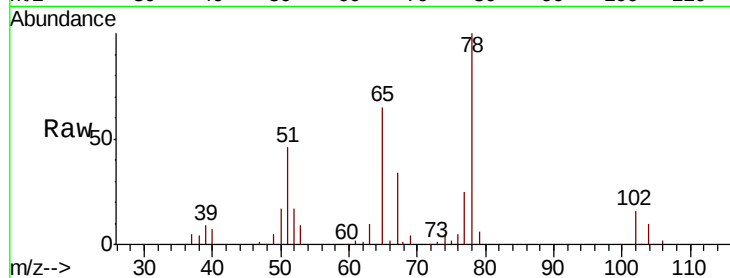
VD0325SBS01

Tot Ion: 65 Resp: 328791

Ion Ratio Lower Upper

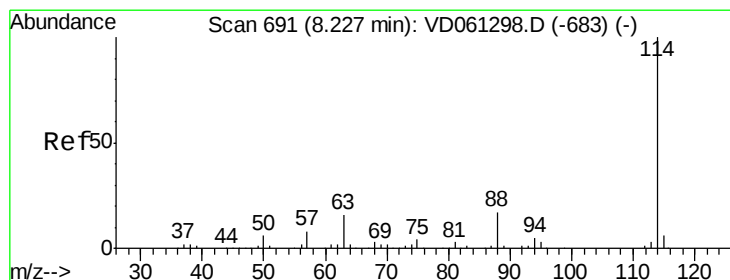
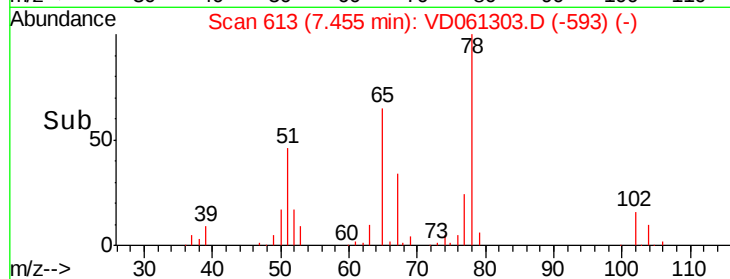
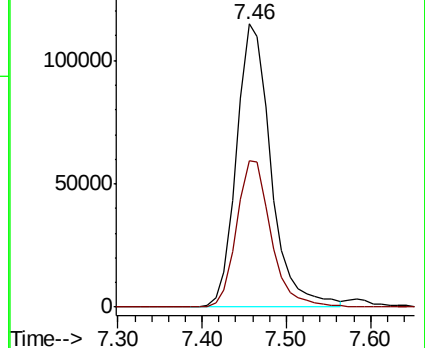
65 100

67 51.9 0.0 100.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

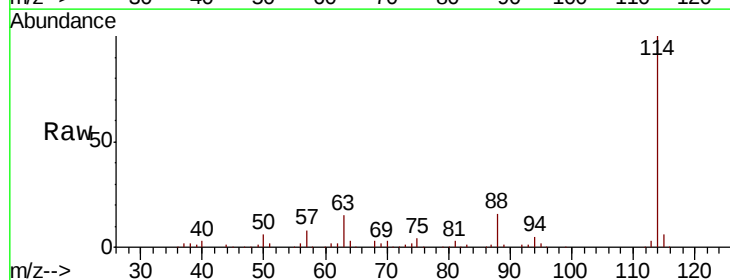
Tgt Ion: 114 Resp: 1206307

Ion Ratio Lower Upper

114 100

63 15.3 0.0 31.4

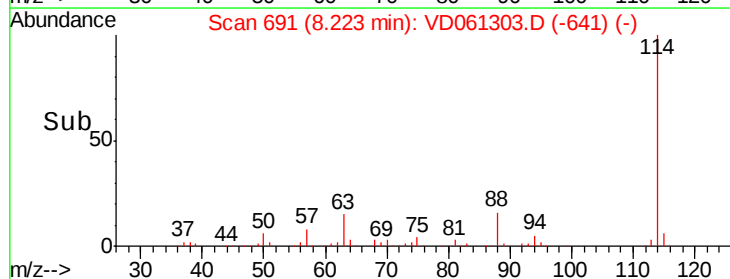
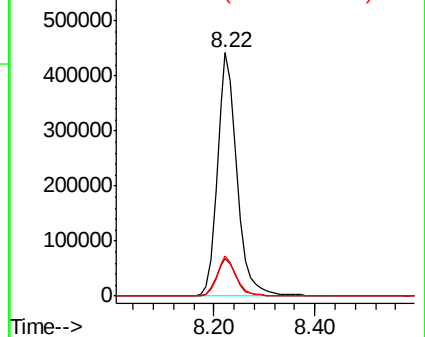
88 16.4 0.0 33.2

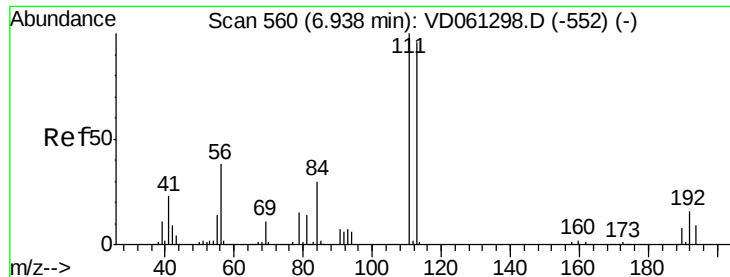


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

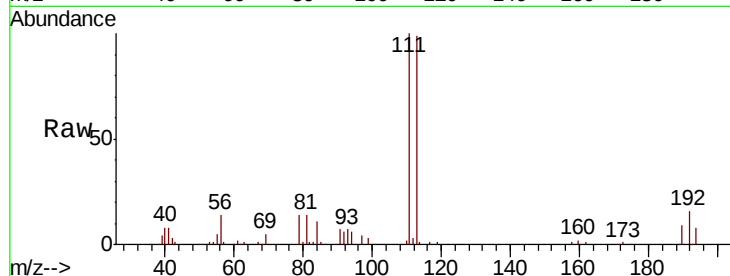
Tot Ion:113 Resp: 501025

Ion Ratio Lower Upper

113 100

111 100.7 83.7 125.5

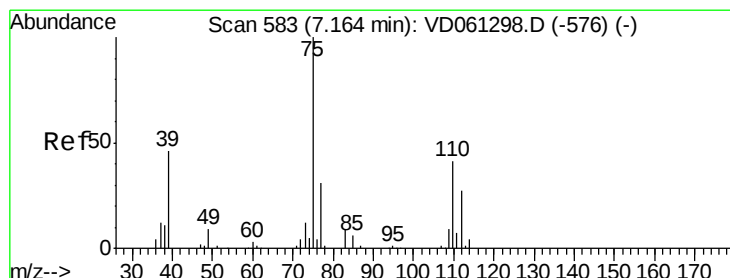
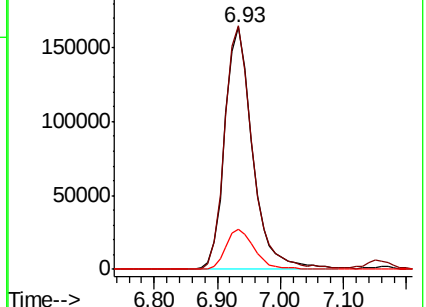
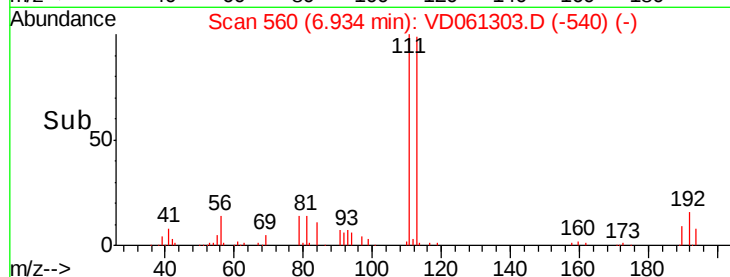
192 16.4 13.4 20.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.964 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

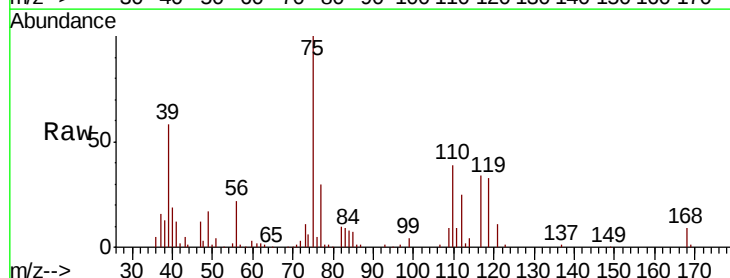
Tgt Ion: 75 Resp: 216775

Ion Ratio Lower Upper

75 100

110 39.1 20.1 60.2

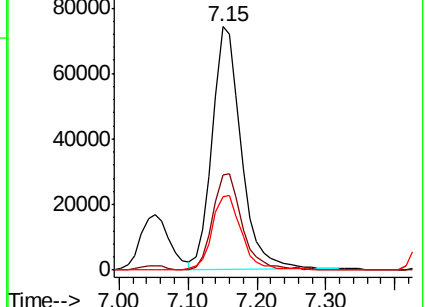
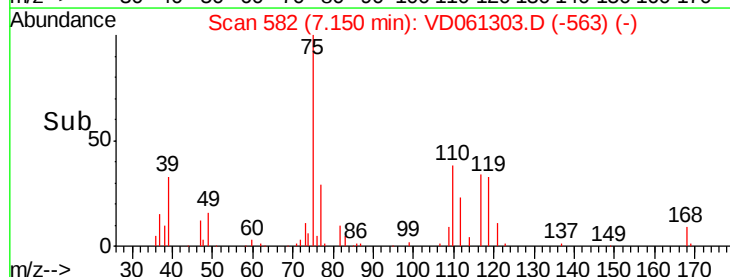
77 30.0 24.3 36.5

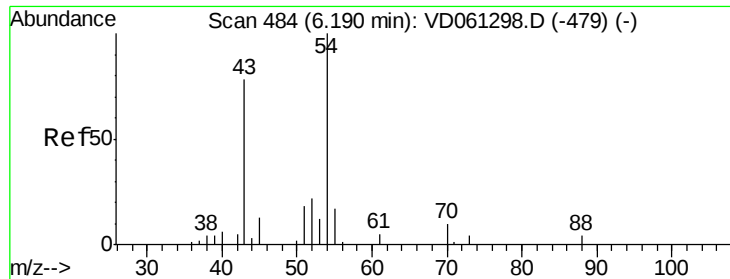


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

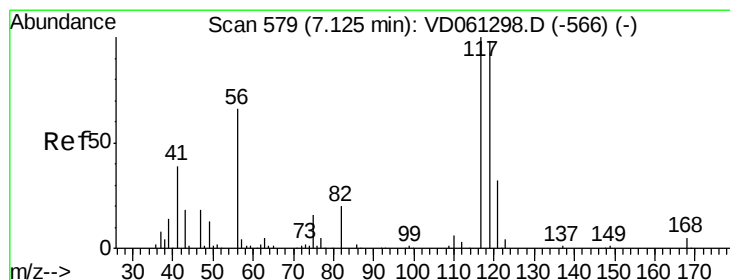
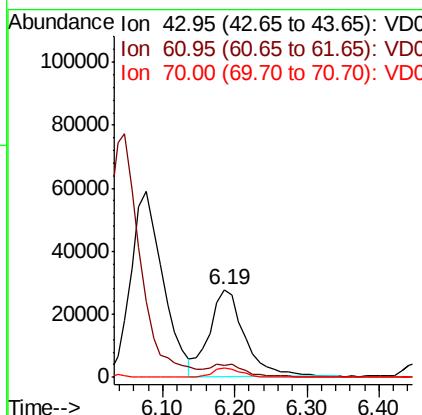
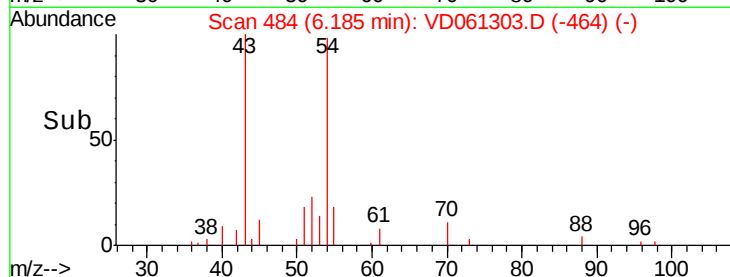
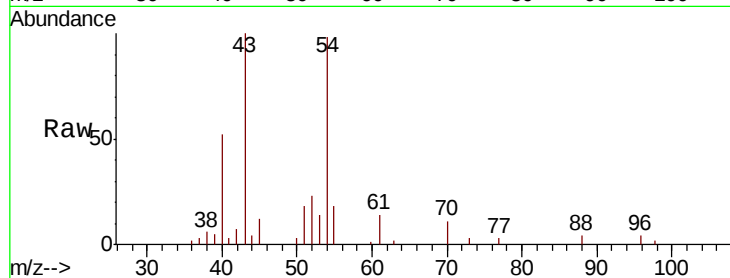




#37
Ethyl Acetate
Concen: 22.637 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

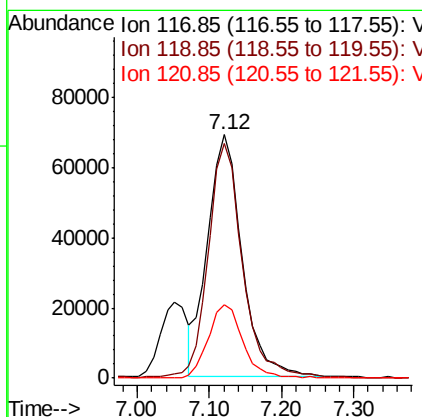
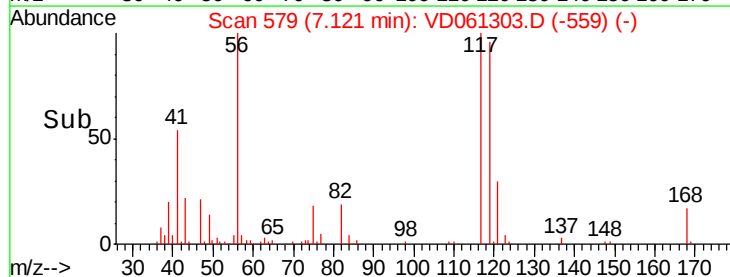
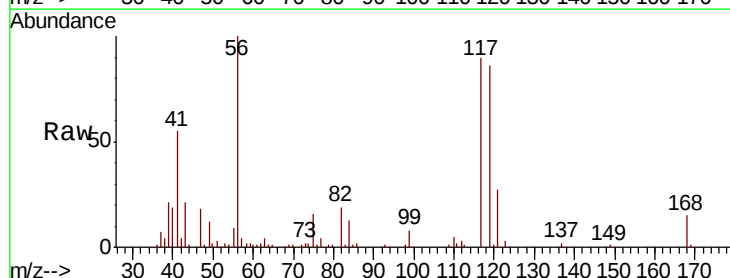
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS01

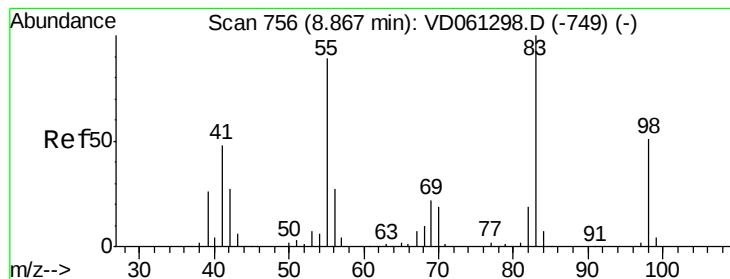
Tot Ion: 43 Resp: 93316
Ion Ratio Lower Upper
43 100
61 14.3 12.6 19.0
70 11.0 8.2 12.4



#38
Carbon Tetrachloride
Concen: 20.198 ug/l
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Tgt Ion: 117 Resp: 227834
Ion Ratio Lower Upper
117 100
119 96.2 78.4 117.6
121 30.2 25.1 37.7





#39

Methvlcvclohexane

Concen: 22.058 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

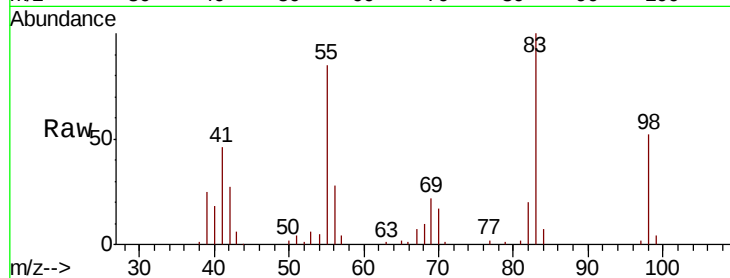
Tot Ion: 83 Resp: 225469

Ion Ratio Lower Upper

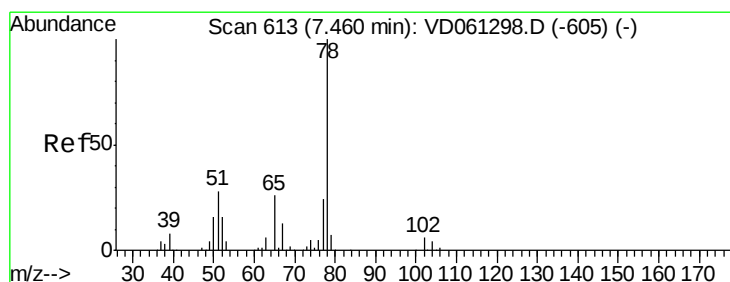
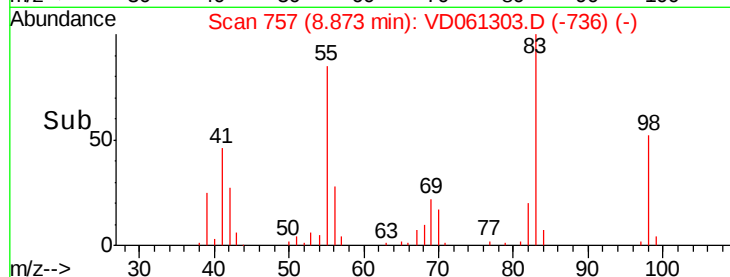
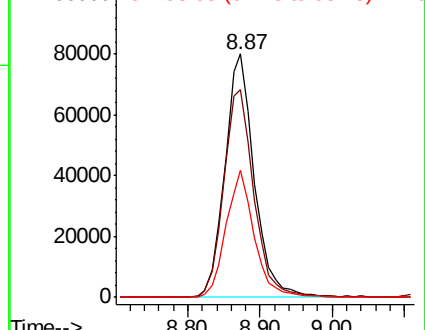
83 100

55 85.3 71.3 106.9

98 52.2 40.4 60.6



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 22.397 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061303.D

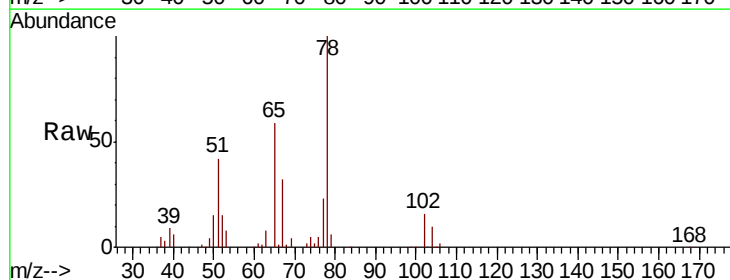
Acq: 25 Mar 2019 15:48

Tgt Ion: 78 Resp: 548996

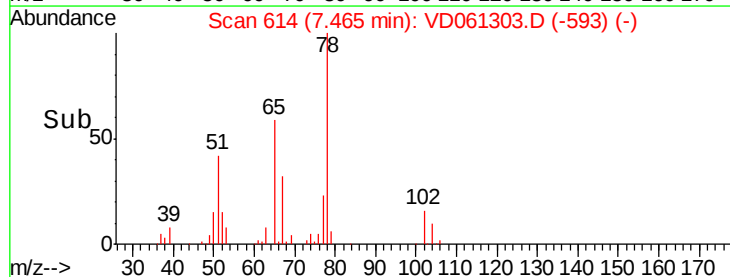
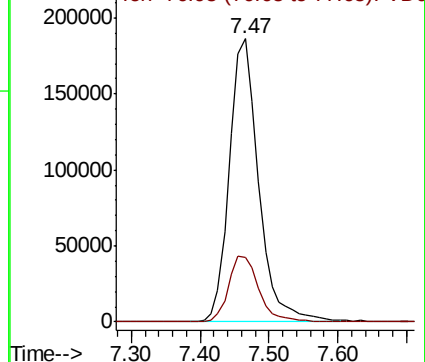
Ion Ratio Lower Upper

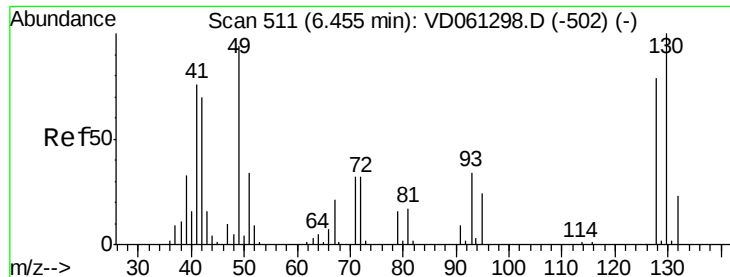
78 100

77 22.6 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 21.355 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

Tot Ion: 41 Resp: 102300

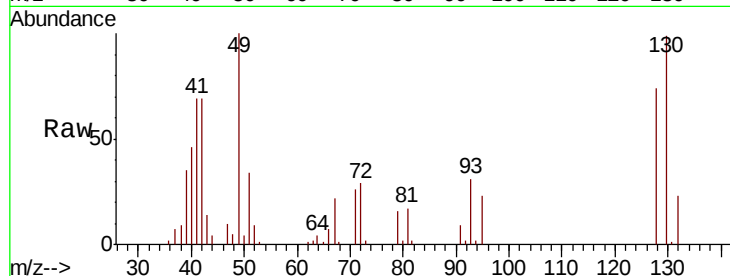
Ion Ratio Lower Upper

41 100

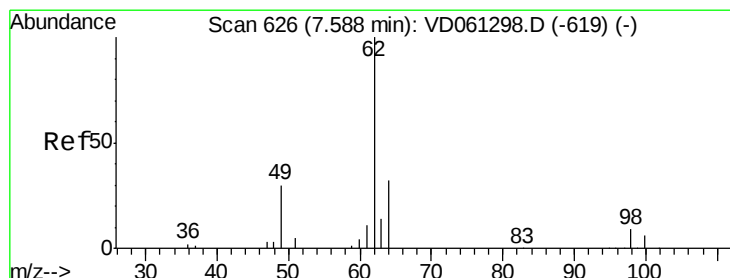
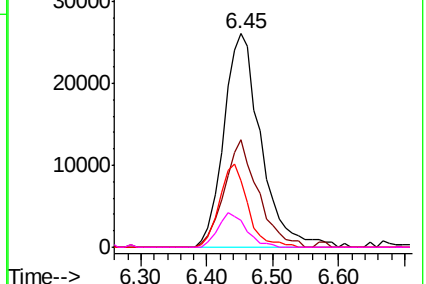
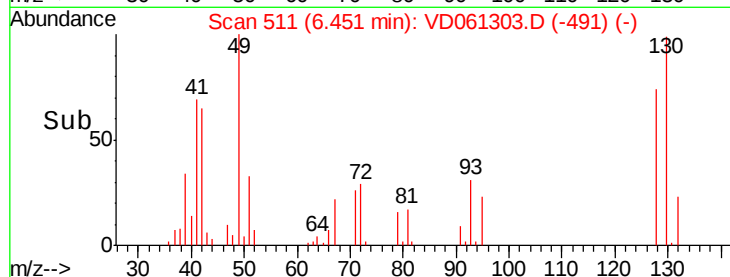
39 50.2 34.2 51.2

67 31.1 21.8 32.6

52 12.5 9.0 13.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.614 ug/l

RT: 7.58 min Scan# 626

Delta R.T. -0.00 min

Lab File: VD061303.D

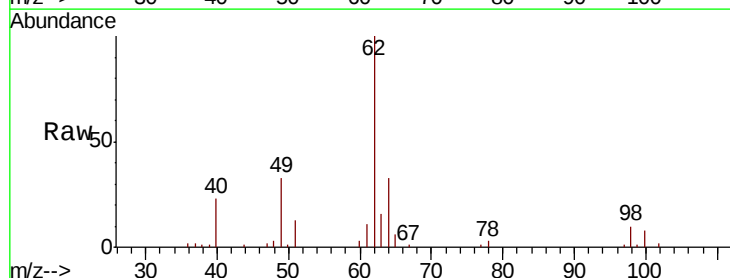
Acq: 25 Mar 2019 15:48

Tgt Ion: 62 Resp: 157476

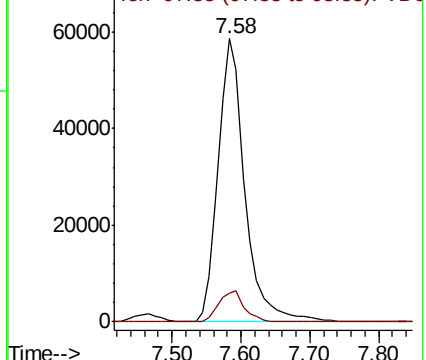
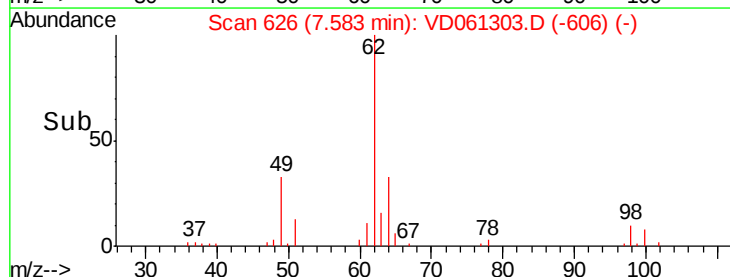
Ion Ratio Lower Upper

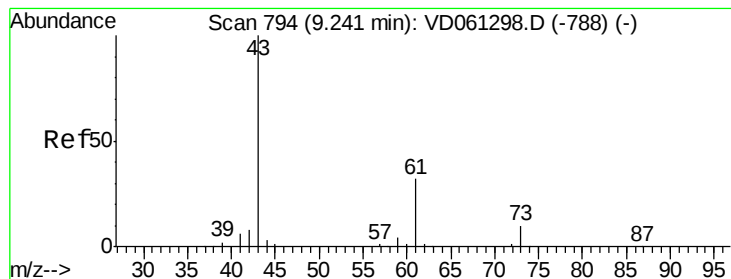
62 100

98 10.1 0.0 18.6



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.207 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

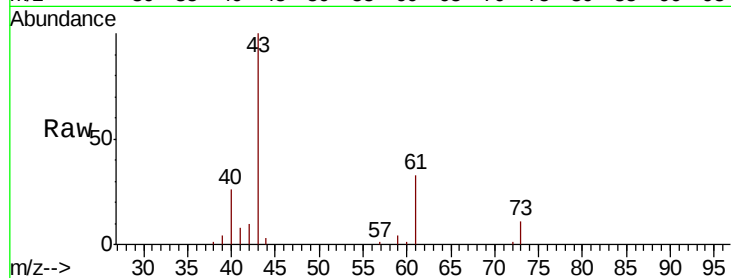
Tot Ion: 43 Resp: 126055

Ion Ratio Lower Upper

43 100

61 33.2 25.8 38.8

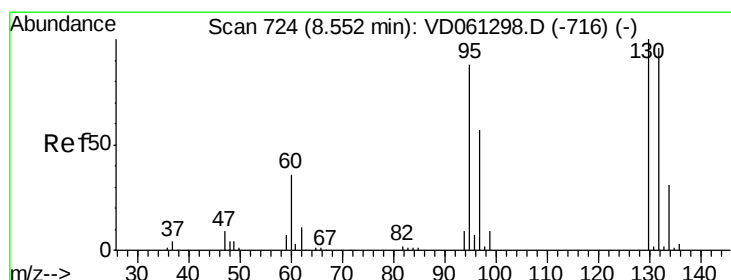
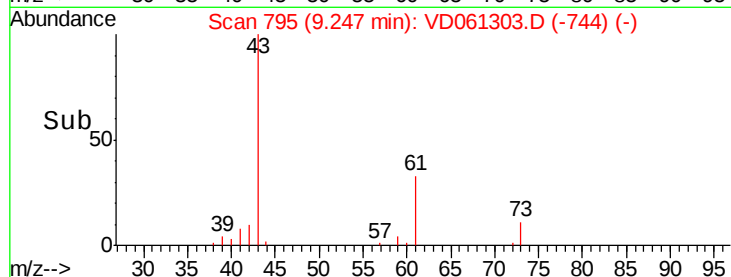
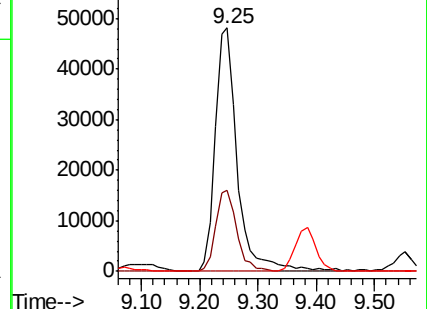
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.401 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD061303.D

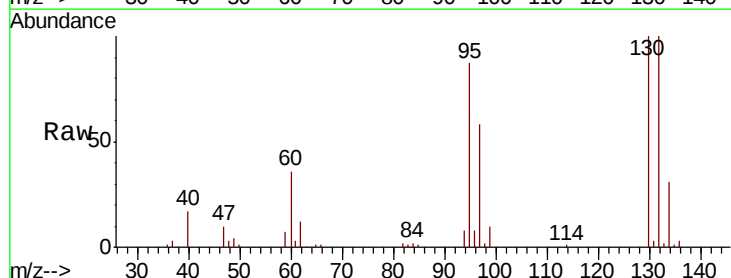
Acq: 25 Mar 2019 15:48

Tgt Ion:130 Resp: 198578

Ion Ratio Lower Upper

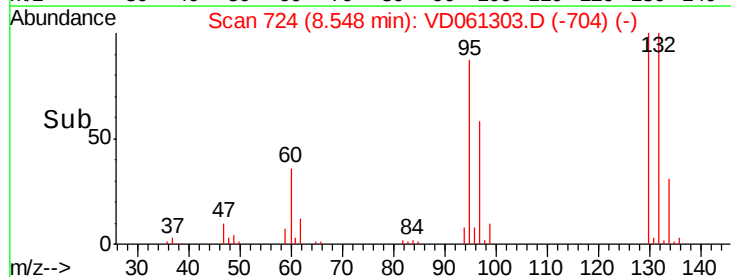
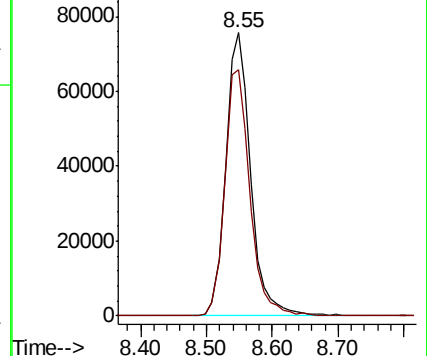
130 100

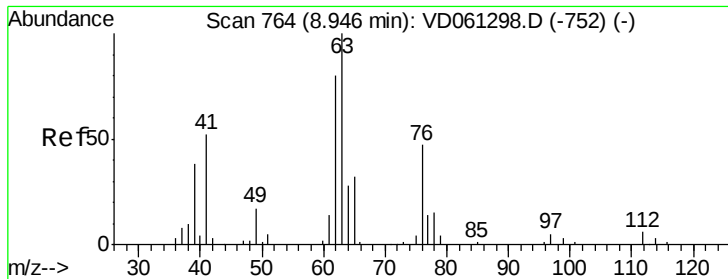
95 87.1 0.0 175.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.160 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

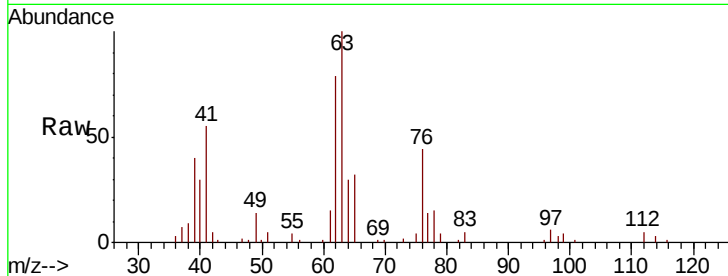
VD0325SBS01

Tot Ion: 63 Resp: 134062

Ion Ratio Lower Upper

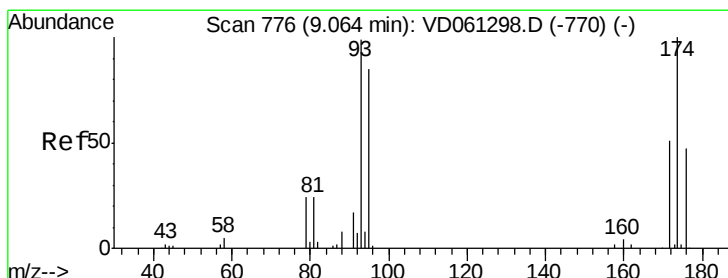
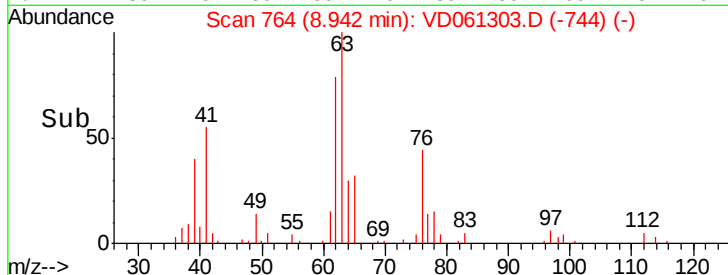
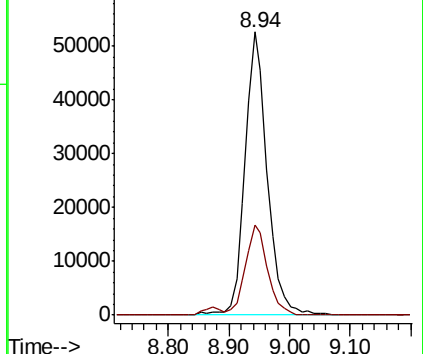
63 100

65 31.9 25.2 37.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.582 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

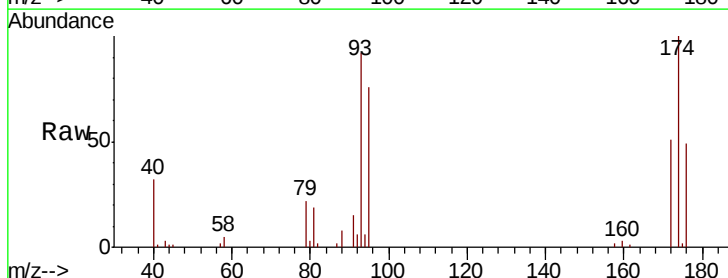
Tgt Ion: 93 Resp: 85350

Ion Ratio Lower Upper

93 100

95 82.9 68.1 102.1

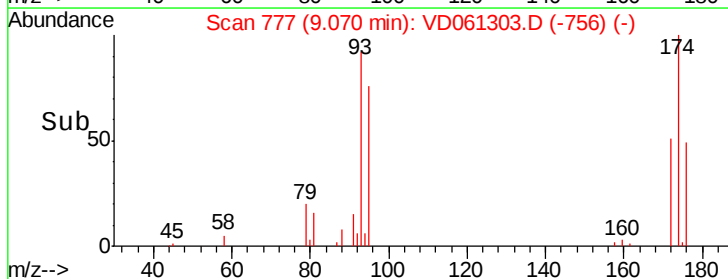
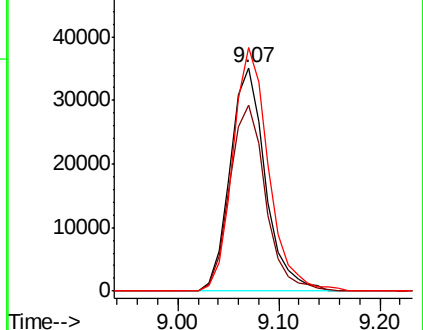
174 108.8 80.4 120.6

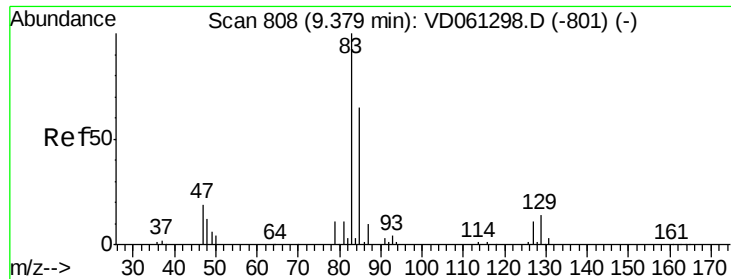


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.762 ug/l

RT: 9.38 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

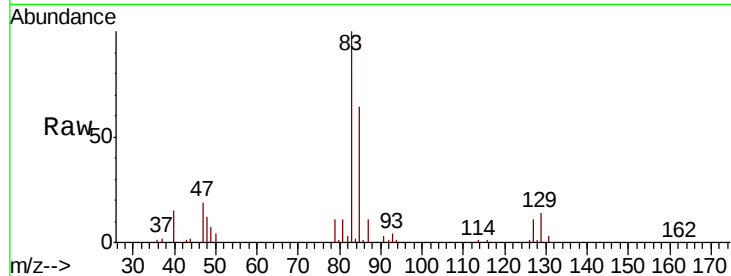
Tot Ion: 83 Resp: 201793

Ion Ratio Lower Upper

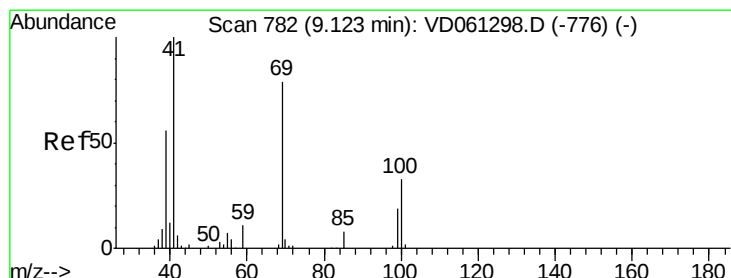
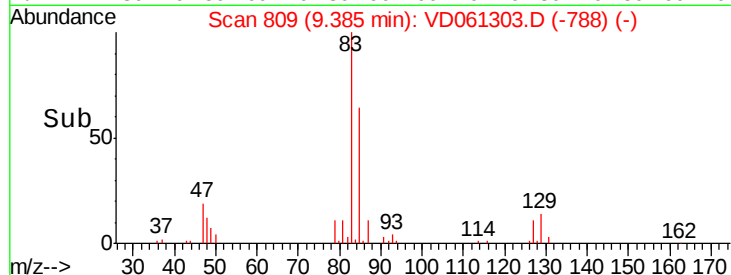
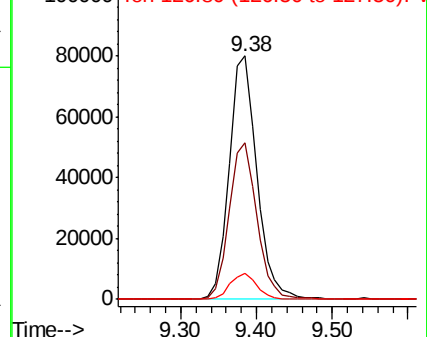
83 100

85 64.1 51.7 77.5

127 10.5 8.8 13.2



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 23.219 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

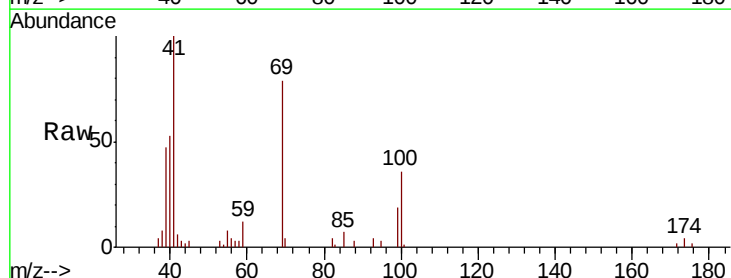
Tgt Ion: 41 Resp: 73663

Ion Ratio Lower Upper

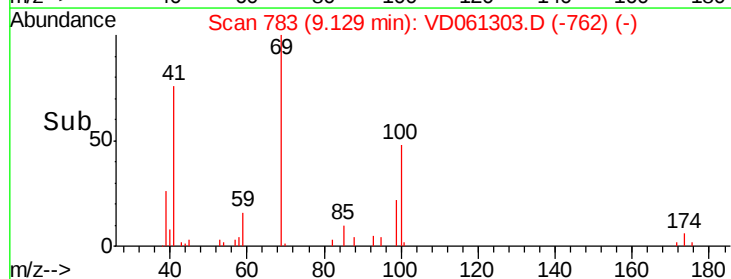
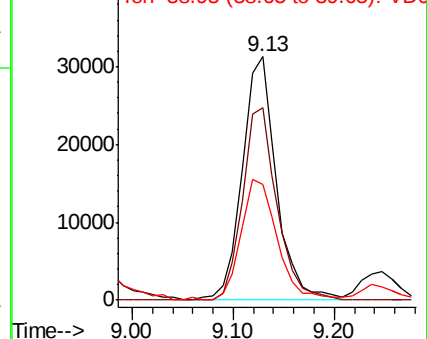
41 100

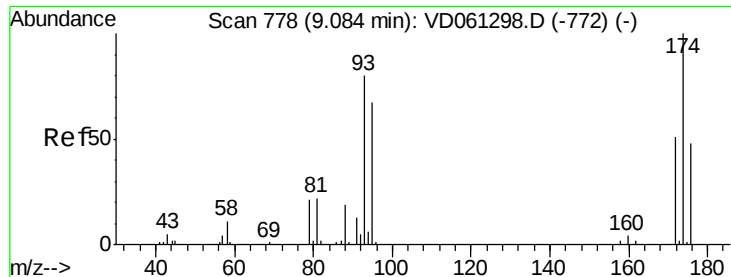
69 79.0 62.4 93.6

39 47.4 44.9 67.3



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

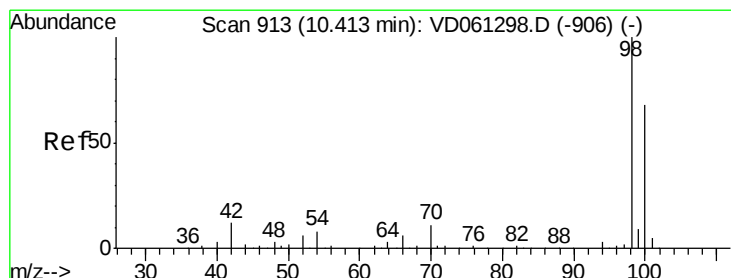
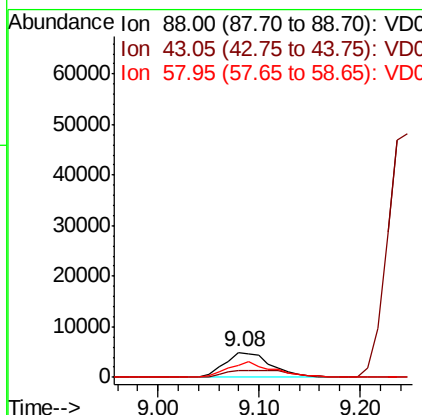
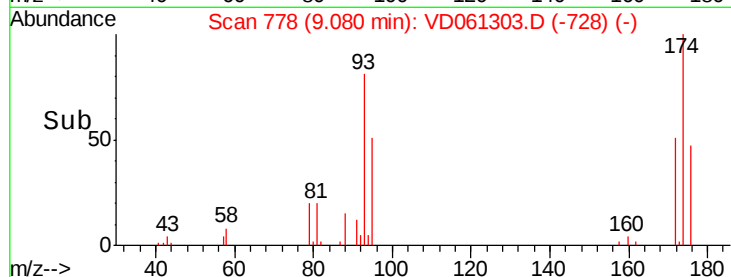
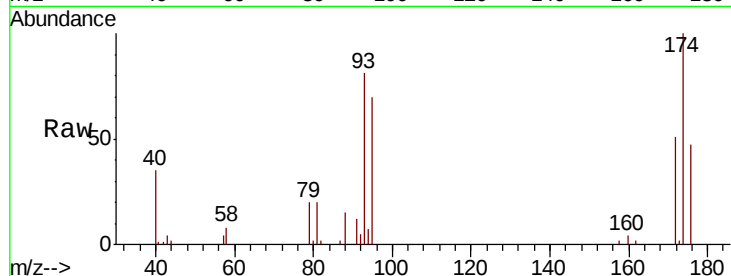




#49
1,4-Dioxane
Concen: 455.695 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

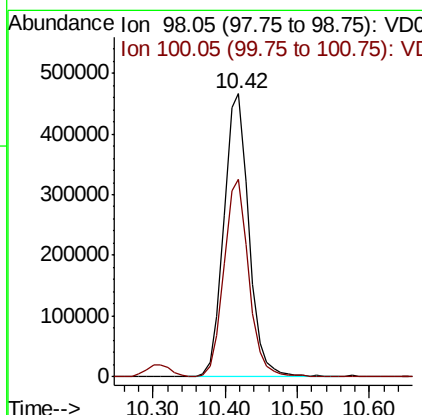
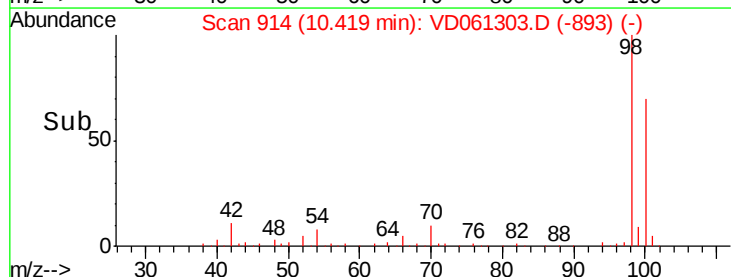
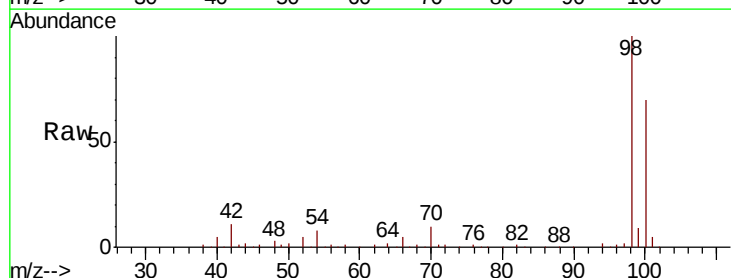
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS01

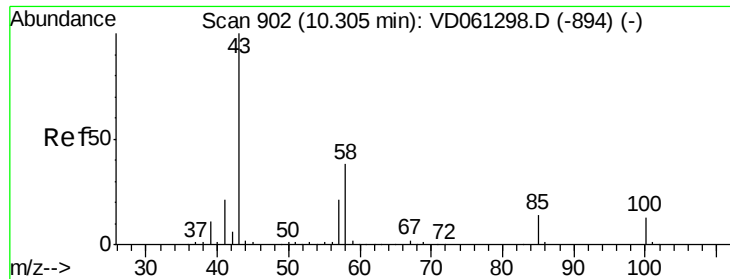
Tot Ion: 88 Resp: 15862
Ion Ratio Lower Upper
88 100
43 25.1 20.7 31.1
58 49.8 44.9 67.3



#50
Toluene-d8
Concen: 455.695 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Tgt Ion: 98 Resp: 1120492
Ion Ratio Lower Upper
98 100
100 69.8 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 107.862 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

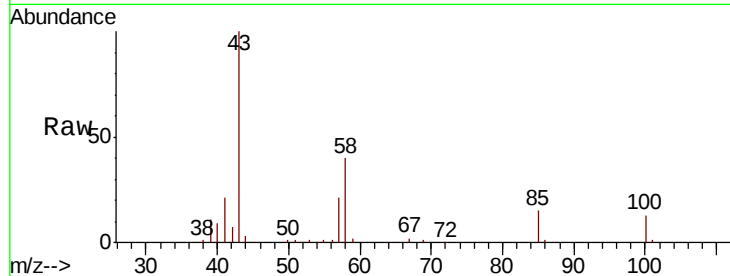
VD0325SBS01

Tot Ion: 43 Resp: 381656

Ion Ratio Lower Upper

43 100

58 40.1 30.6 45.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

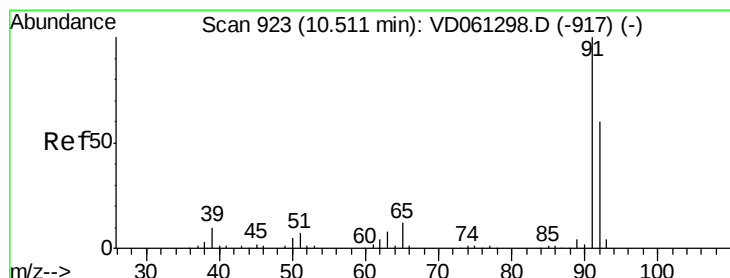
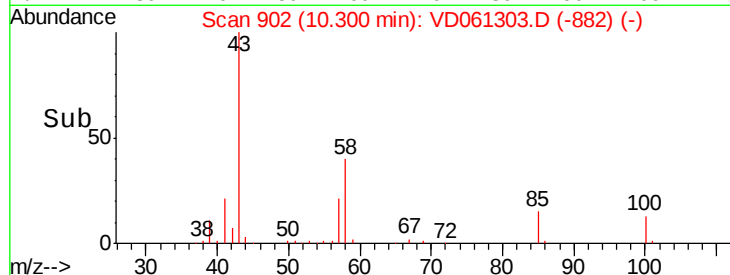
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.613 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD061303.D

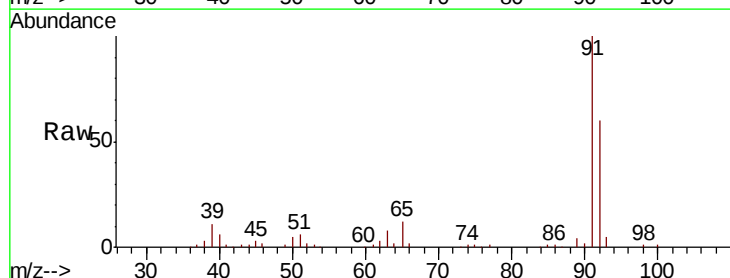
Acq: 25 Mar 2019 15:48

Tgt Ion: 92 Resp: 309154

Ion Ratio Lower Upper

92 100

91 166.1 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

200000

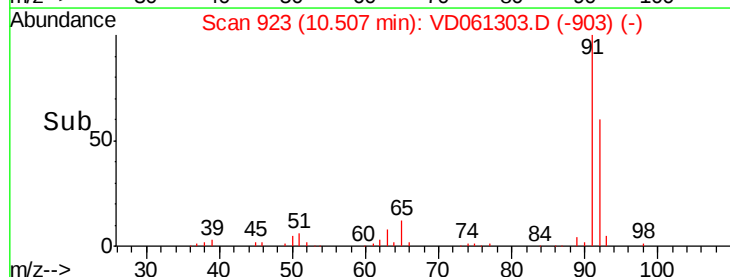
150000

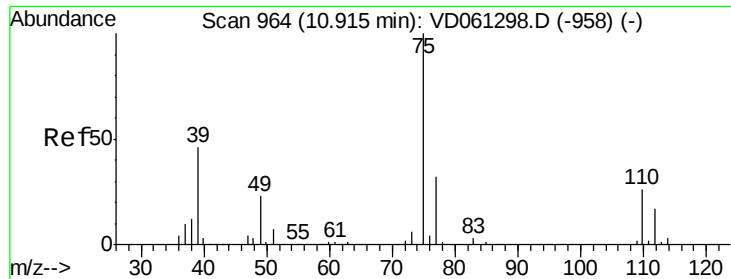
100000

50000

0

Time-->

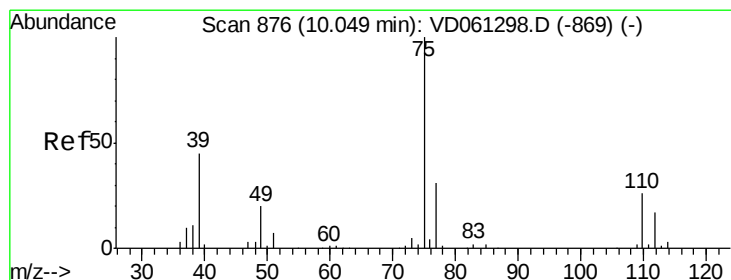
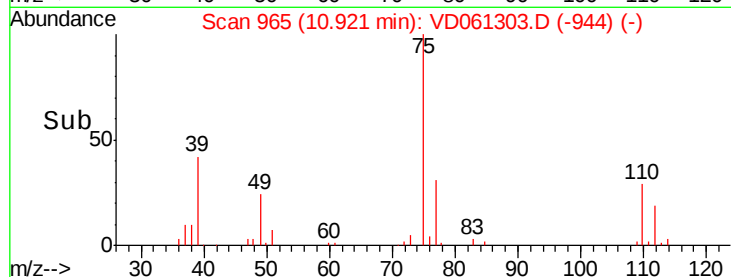
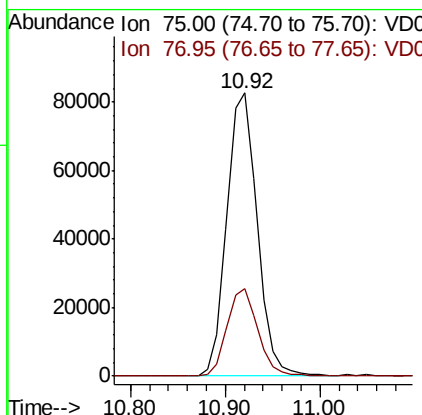
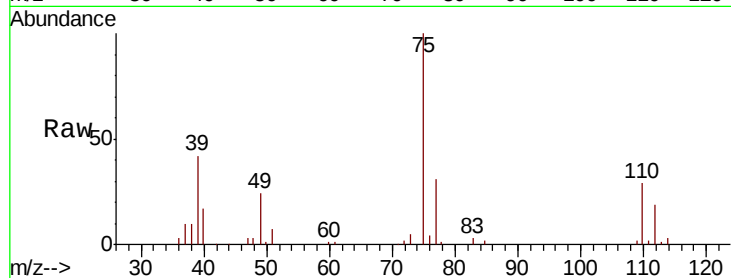




#53
 t-1,3-Dichloropropene
 Concen: 21.755 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD061303.D
 Acq: 25 Mar 2019 15:48

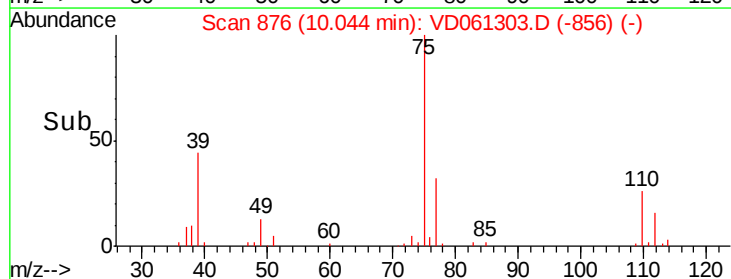
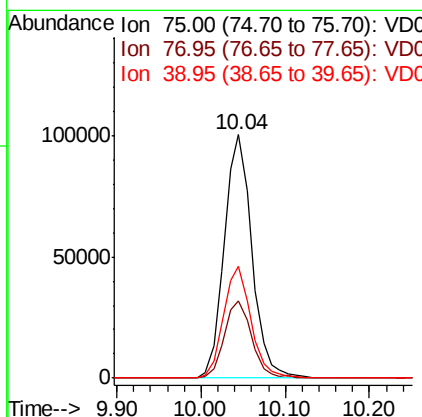
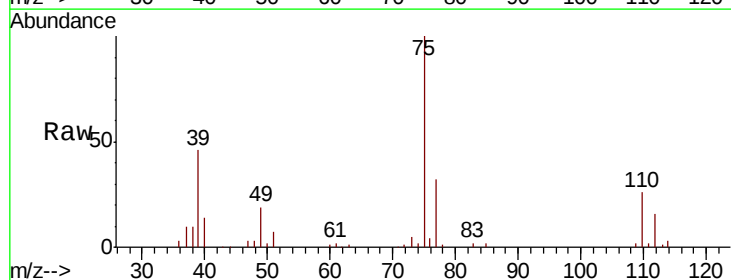
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS01

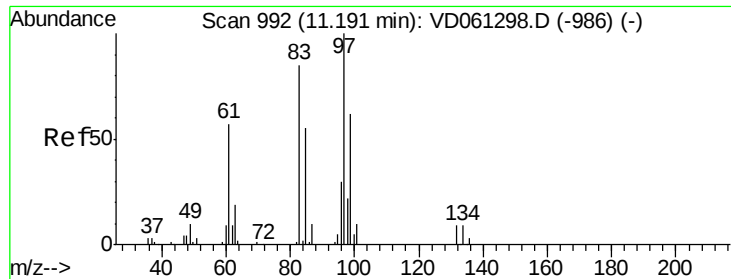
Tot Ion: 75 Resp: 183761
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 22.176 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: VD061303.D
 Acq: 25 Mar 2019 15:48

Tgt Ion: 75 Resp: 228734
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.9 37.3
 39 45.7 36.0 54.0

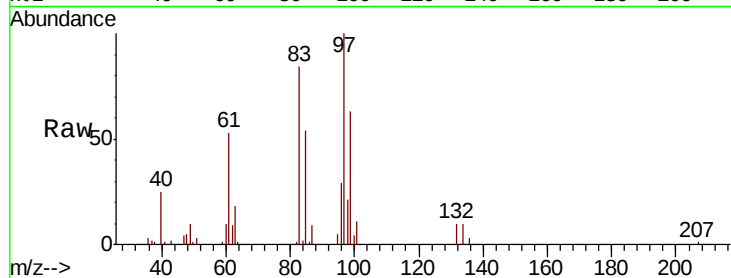




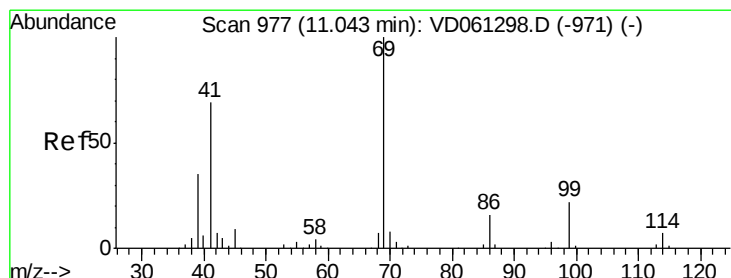
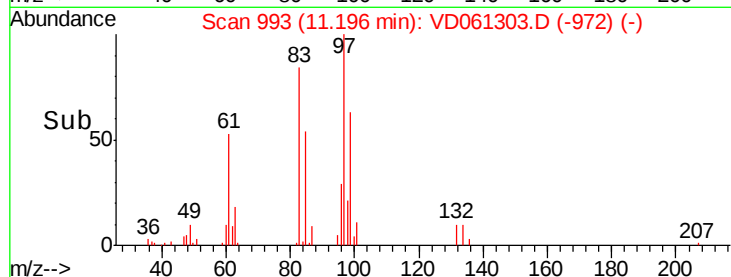
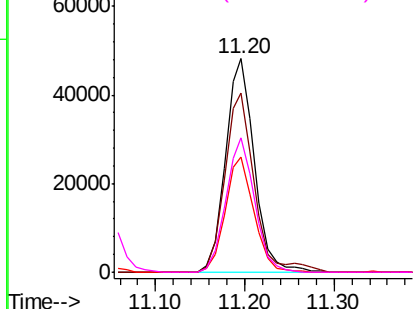
#55
 1,1,2-Trichloroethane
 Concen: 21.892 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD061303.D
 Acq: 25 Mar 2019 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS01

Tot Ion: 97 Resp: 109009
 Ion Ratio Lower Upper
 97 100
 83 84.2 67.7 101.5
 85 54.0 43.8 65.8
 99 63.2 49.8 74.6

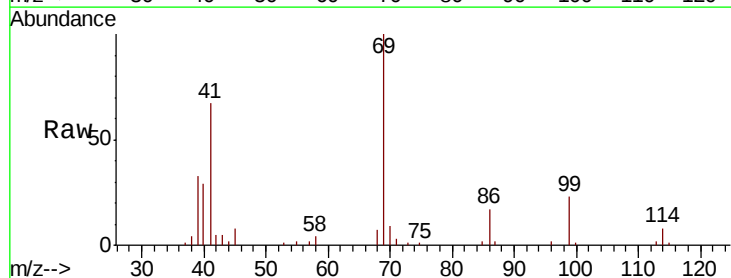


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

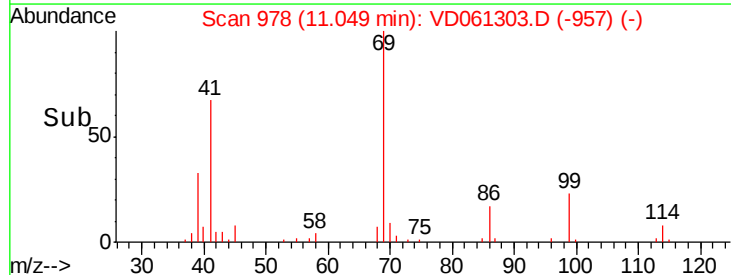
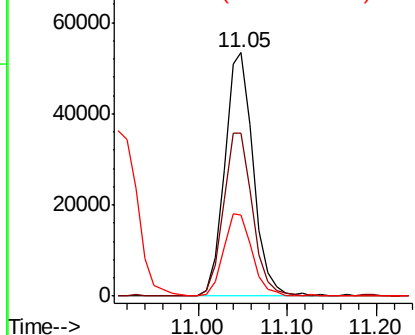


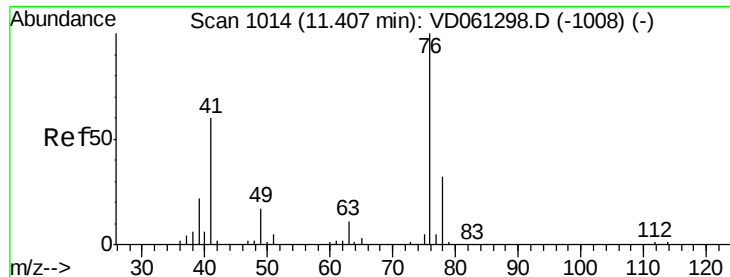
#56
 Ethyl methacrylate
 Concen: 22.616 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD061303.D
 Acq: 25 Mar 2019 15:48

Tgt Ion: 69 Resp: 120164
 Ion Ratio Lower Upper
 69 100
 41 67.1 54.9 82.3
 39 33.2 28.5 42.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.877 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

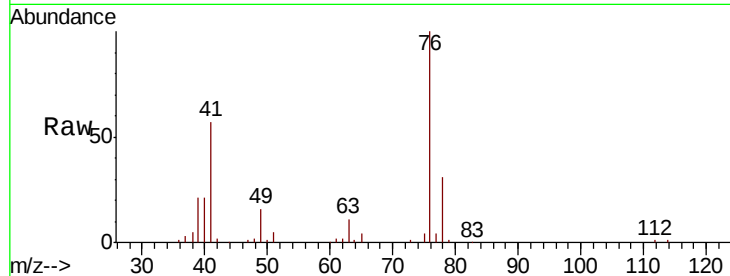
VD0325SBS01

Tot Ion: 76 Resp: 164513

Ion Ratio Lower Upper

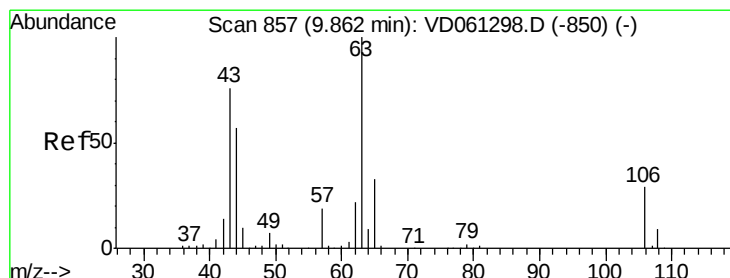
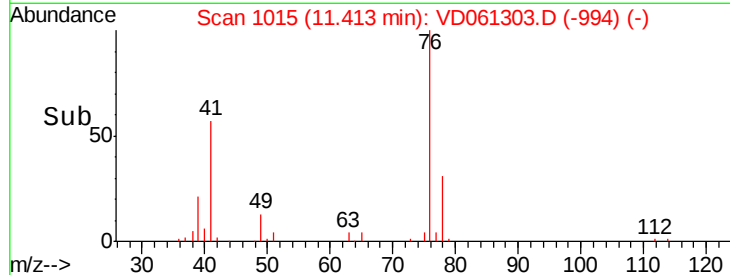
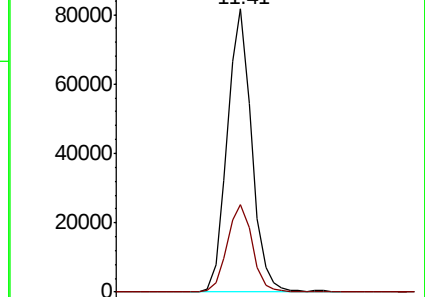
76 100

78 31.0 25.7 38.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 111.465 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD061303.D

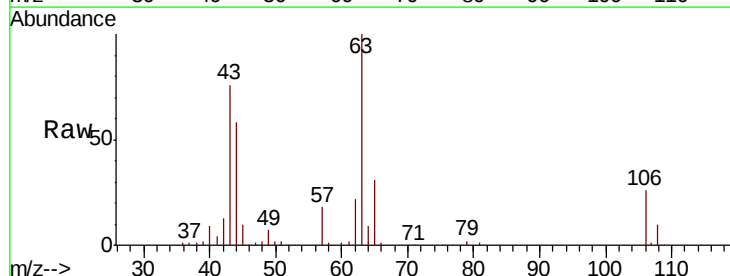
Acq: 25 Mar 2019 15:48

Tgt Ion: 63 Resp: 308112

Ion Ratio Lower Upper

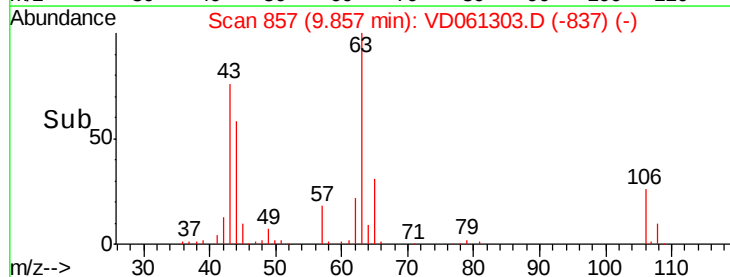
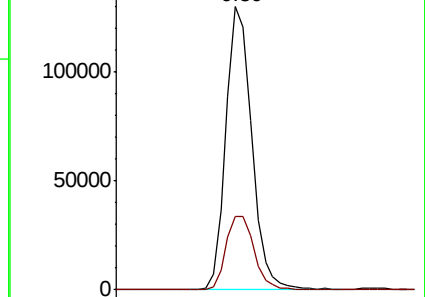
63 100

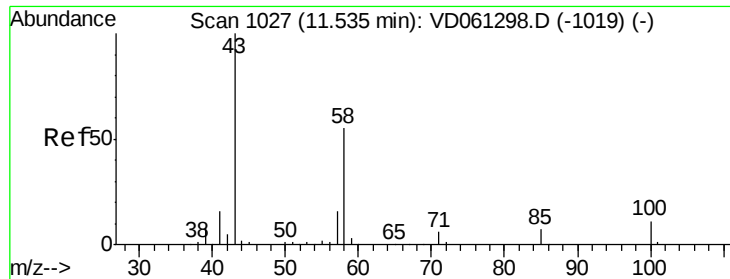
106 25.9 23.4 35.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

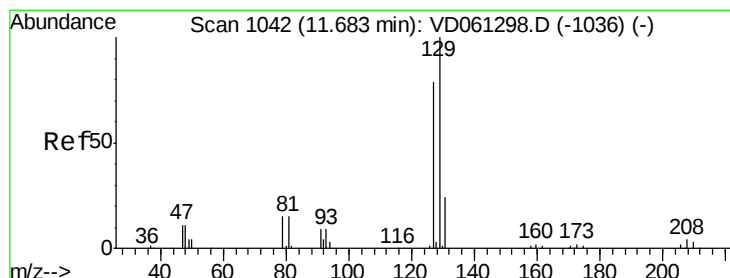
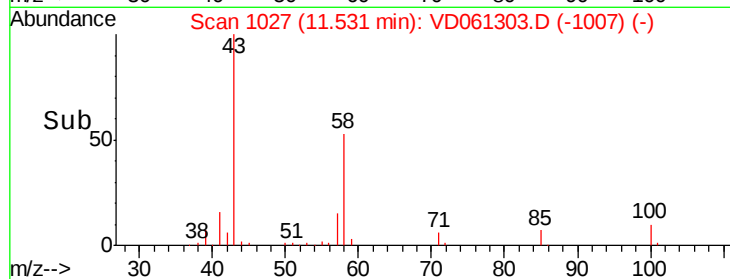
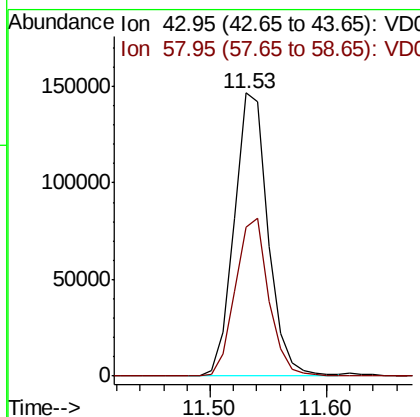
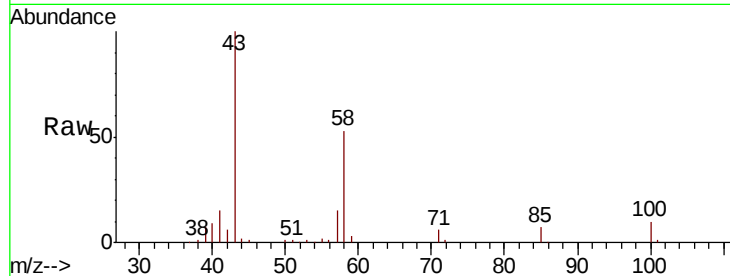




#59
2-Hexanone
Concen: 114.651 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

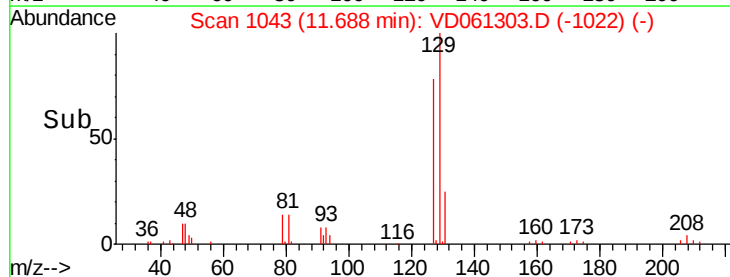
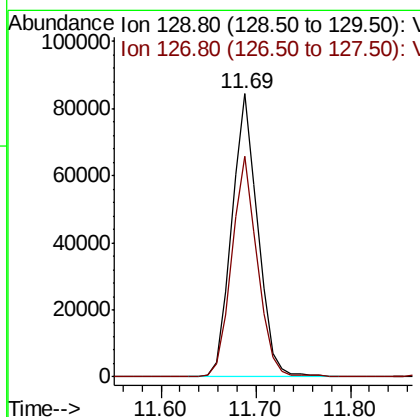
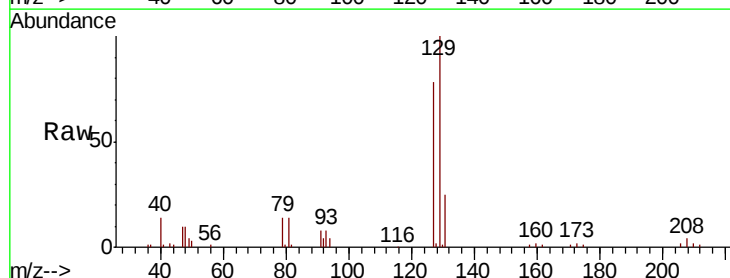
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS01

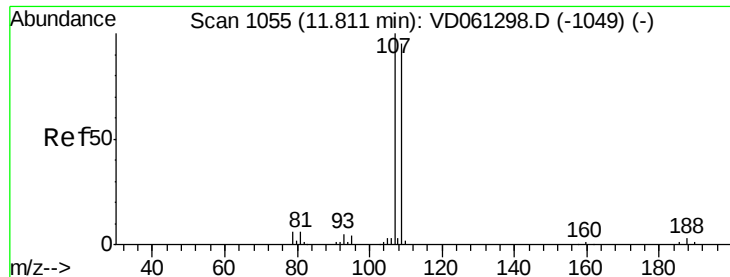
Tot Ion: 43 Resp: 294641
Ion Ratio Lower Upper
43 100
58 52.5 27.4 82.0



#60
Dibromochloromethane
Concen: 20.601 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Tgt Ion: 129 Resp: 160664
Ion Ratio Lower Upper
129 100
127 77.9 39.6 119.0

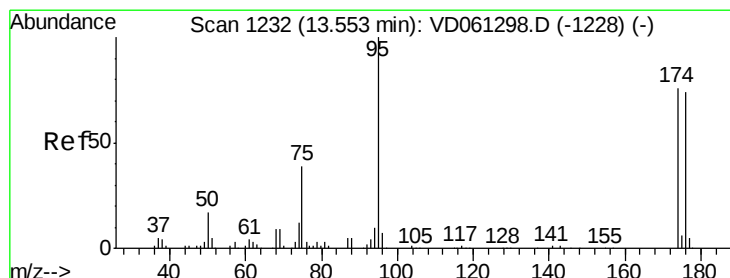
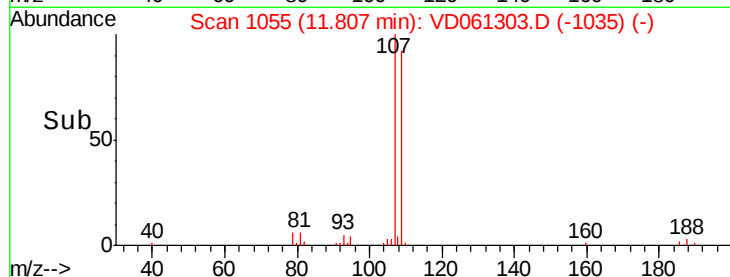
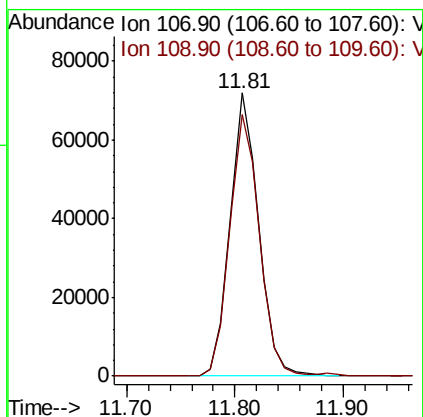
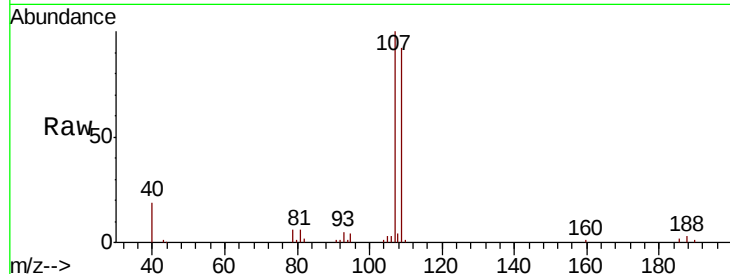




#61
 1,2-Dibromoethane
 Concen: 22.752 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD061303.D
 Acq: 25 Mar 2019 15:48

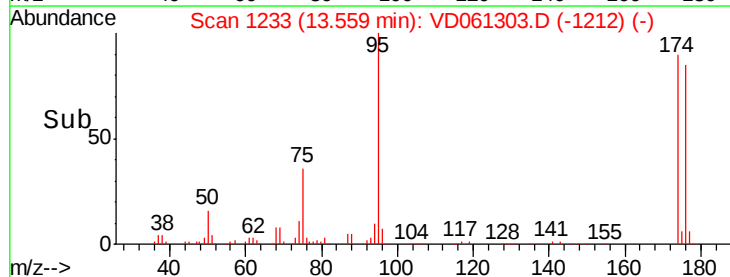
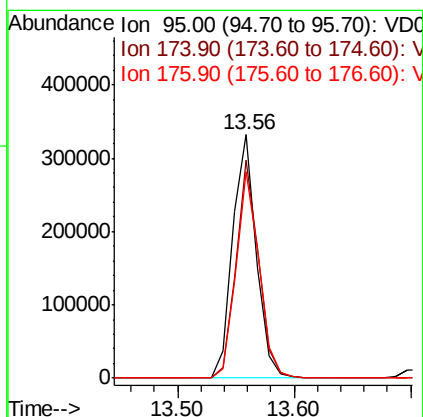
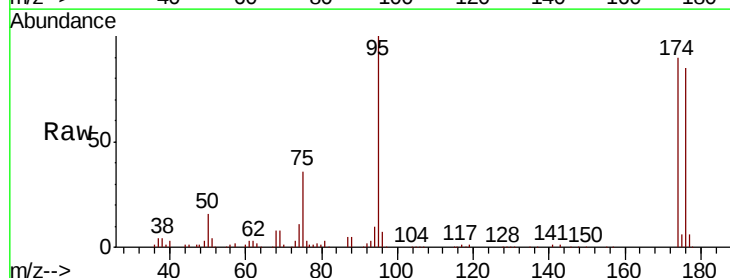
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS01

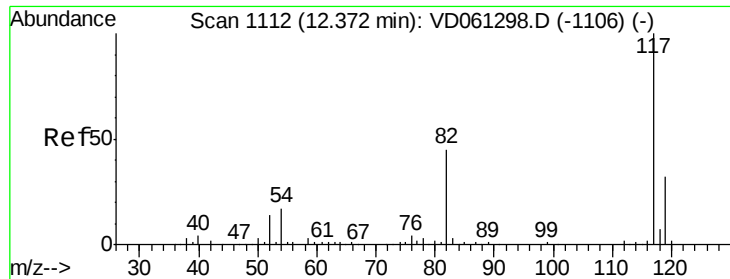
Tot Ion:107 Resp: 132366
 Ion Ratio Lower Upper
 107 100
 109 92.3 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 22.752 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061303.D
 Acq: 25 Mar 2019 15:48

Tgt Ion: 95 Resp: 464645
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 151.8
 176 84.6 0.0 148.0

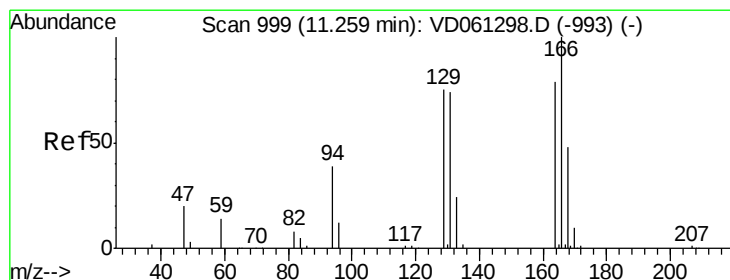
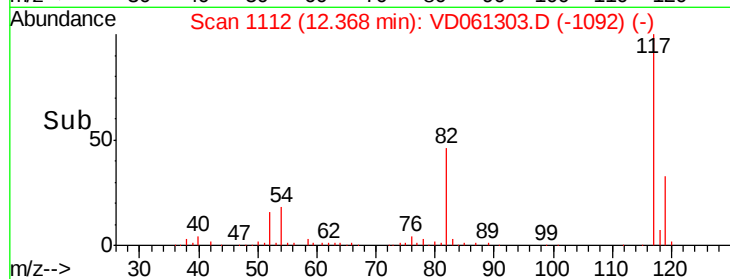
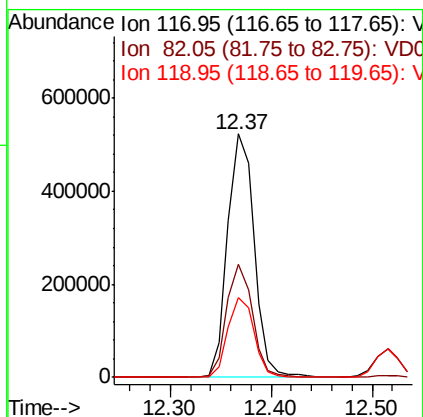
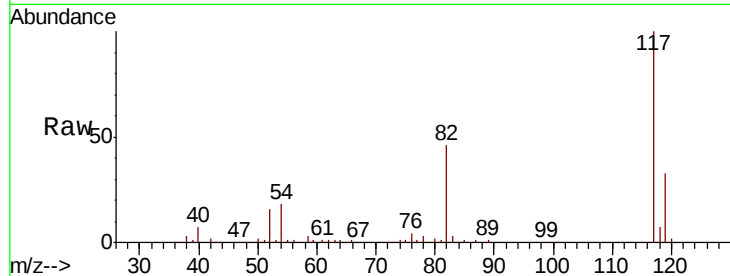




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

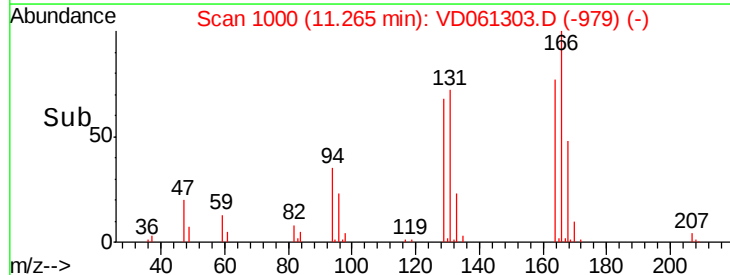
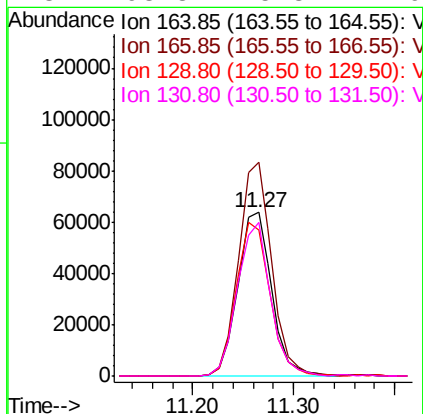
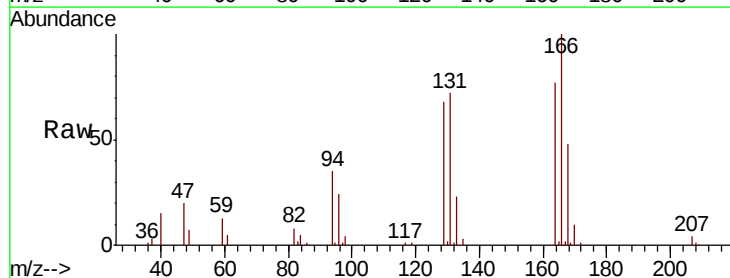
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS01

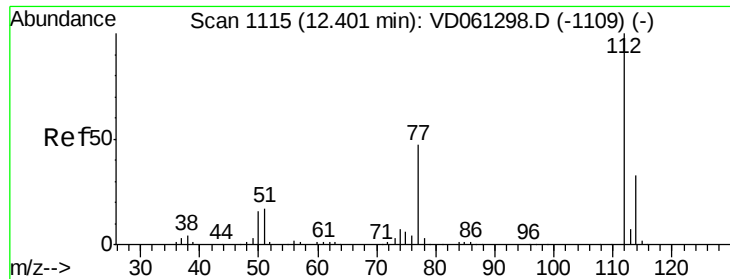
Tot Ion:117 Resp: 959123
Ion Ratio Lower Upper
117 100
82 46.2 35.7 53.5
119 32.9 25.9 38.9



#64
Tetrachloroethene
Concen: 22.432 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Tgt Ion:164 Resp: 148210
Ion Ratio Lower Upper
164 100
166 130.4 101.6 152.4
129 89.1 75.9 113.9
131 93.8 75.3 112.9





#65

Chlorobenzene

Concen: 21.528 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

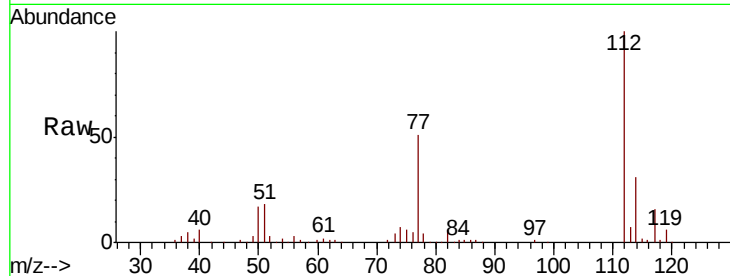
VD0325SBS01

Tot Ion:112 Resp: 380319

Ion Ratio Lower Upper

112 100

114 31.4 26.5 39.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

250000

200000

150000

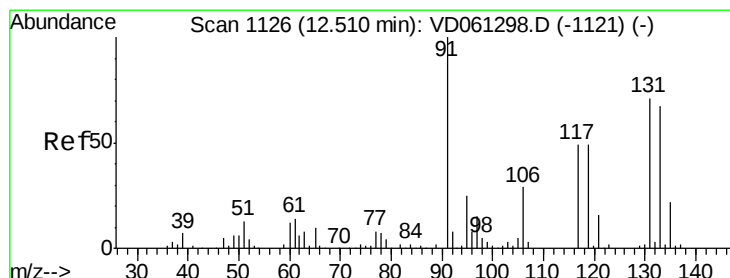
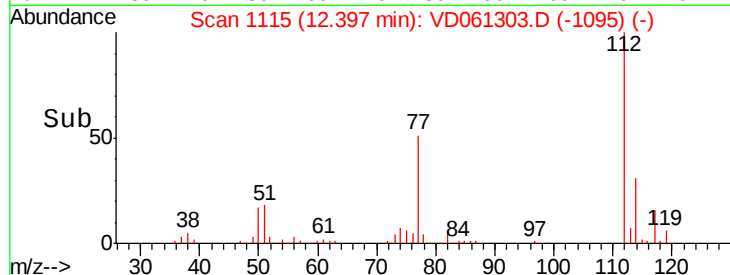
100000

50000

0

12.30 12.40 12.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.918 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

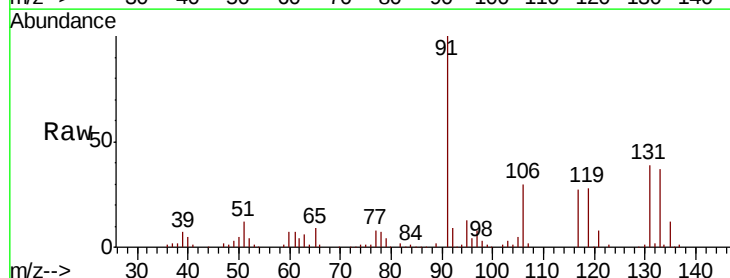
Tgt Ion:131 Resp: 150124

Ion Ratio Lower Upper

131 100

133 96.4 47.0 141.2

119 72.0 34.8 104.5



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

120000

100000

80000

60000

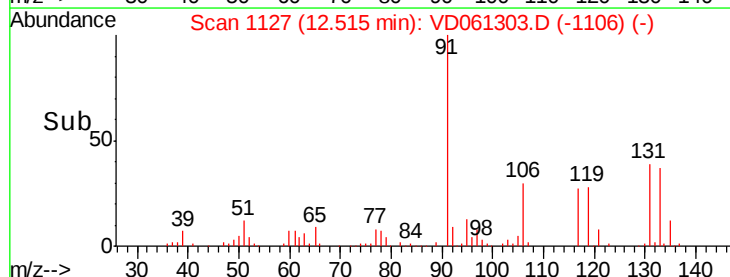
40000

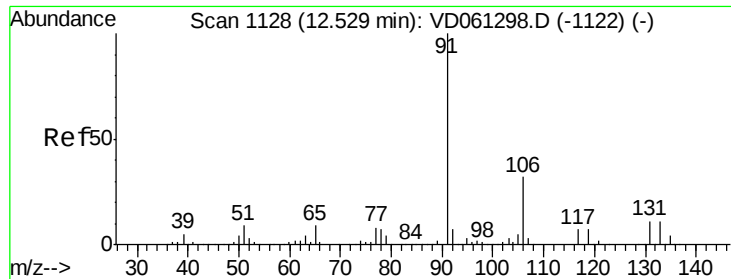
20000

0

12.50 12.60

Time-->

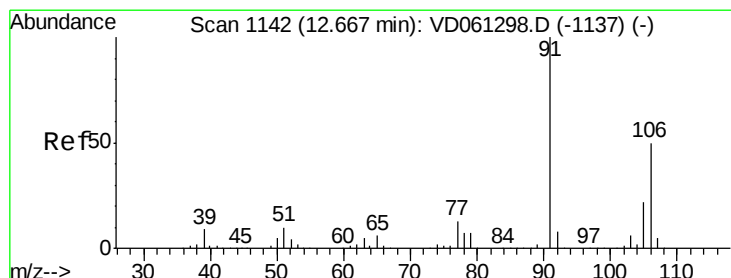
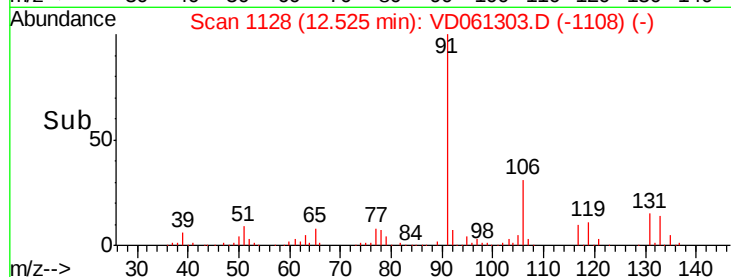
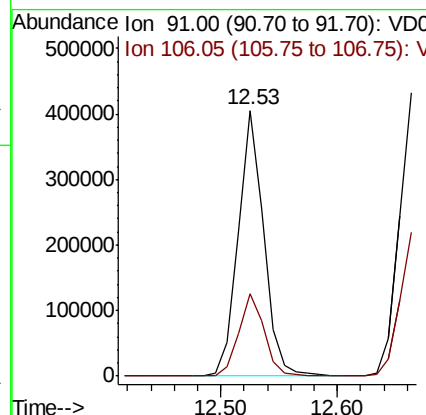
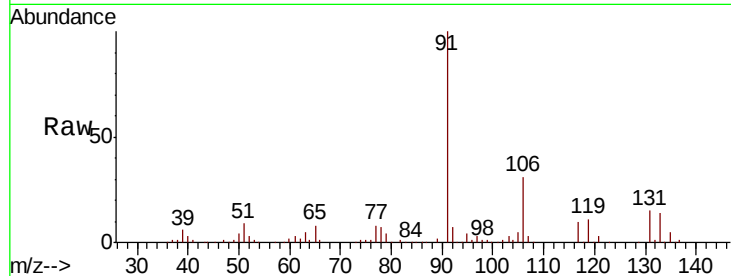




#67
Ethyl Benzene
Concen: 22.765 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

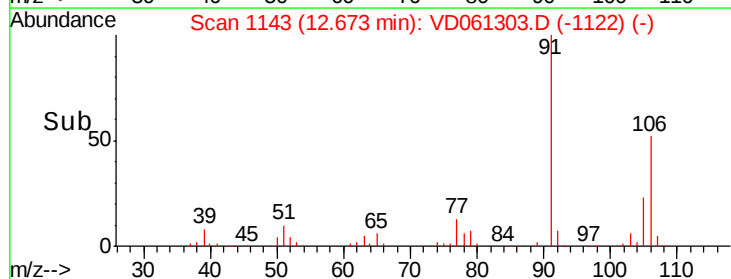
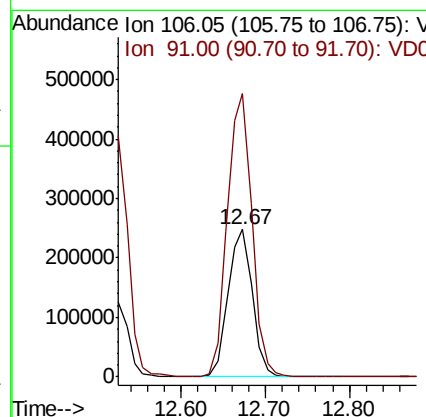
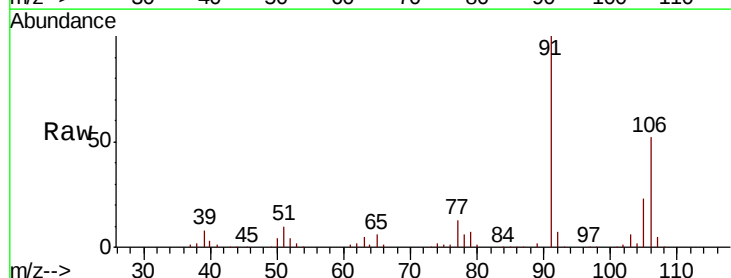
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS01

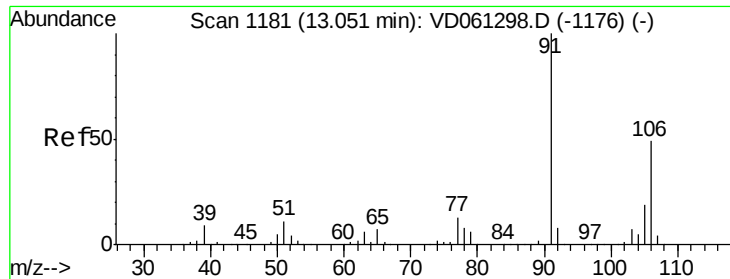
Tot Ion: 91 Resp: 615470
Ion Ratio Lower Upper
91 100
106 30.9 25.8 38.8



#68
m/p-Xylenes
Concen: 46.891 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Tgt Ion: 106 Resp: 494868
Ion Ratio Lower Upper
106 100
91 191.9 159.2 238.8

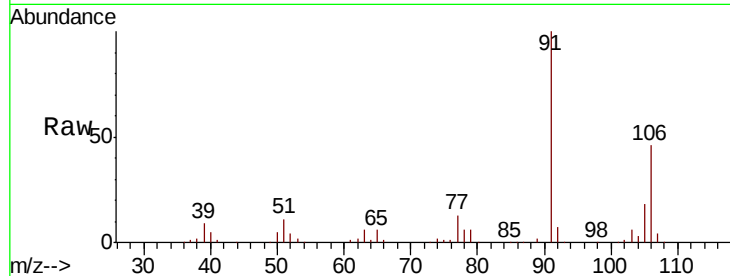




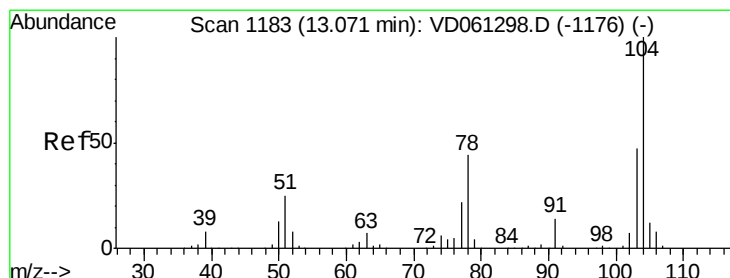
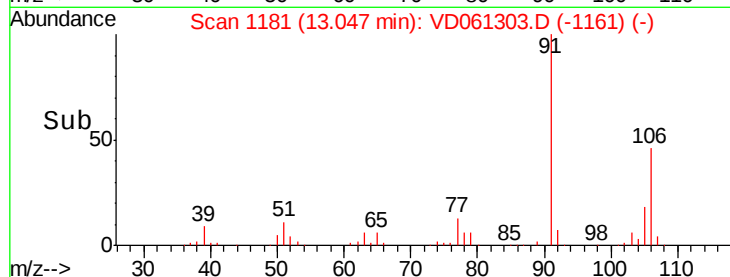
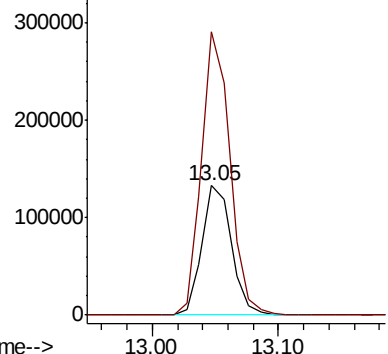
#69
o-Xylene
Concen: 21.949 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS01

Tot Ion:106 Resp: 214842
Ion Ratio Lower Upper
106 100
91 219.0 102.5 307.5

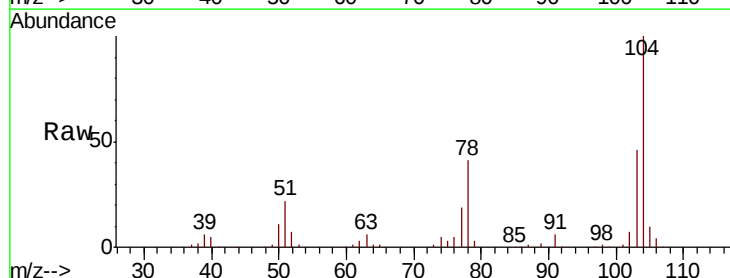


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

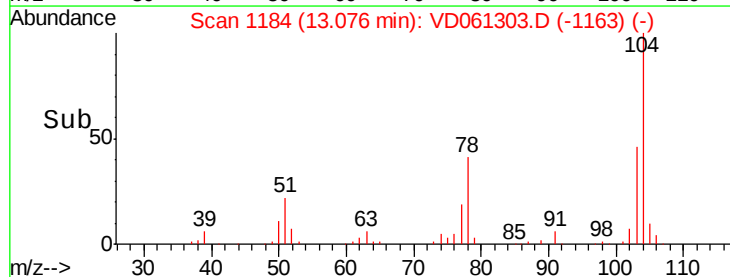
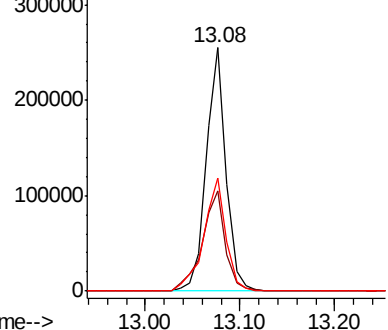


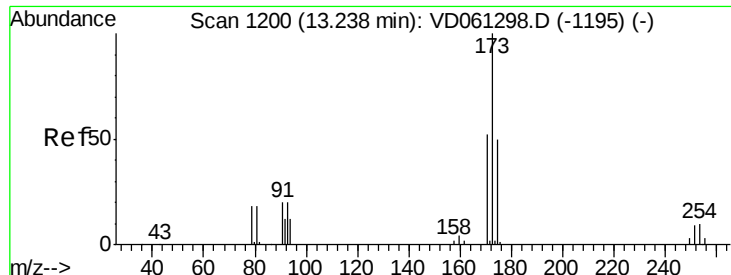
#70
Styrene
Concen: 22.130 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Tgt Ion:104 Resp: 367616
Ion Ratio Lower Upper
104 100
78 41.2 35.1 52.7
103 46.5 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

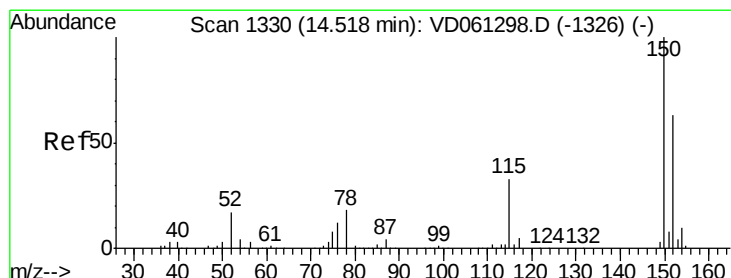
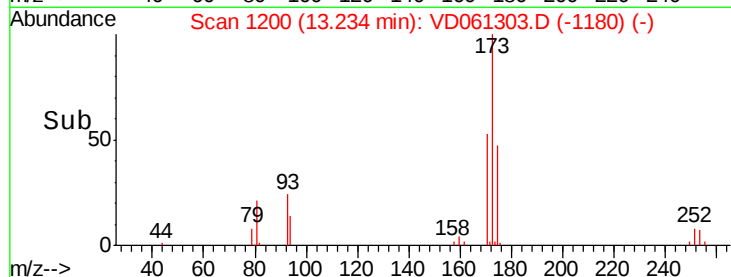
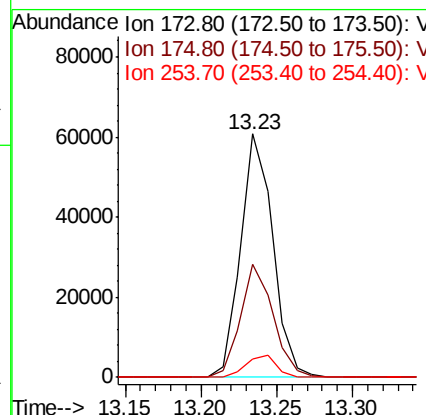
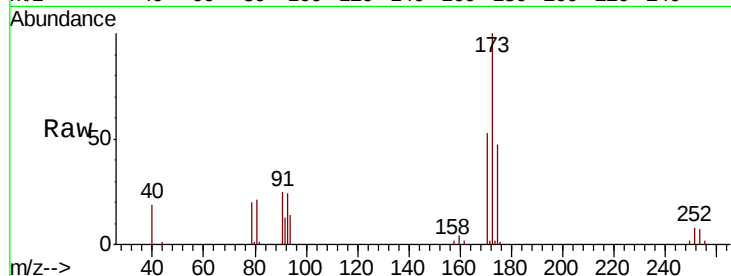




#71
Bromoform
Concen: 21.434 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

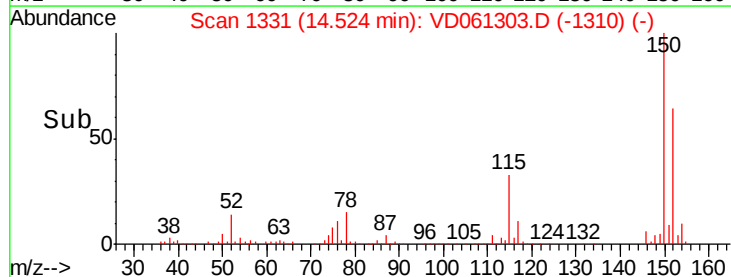
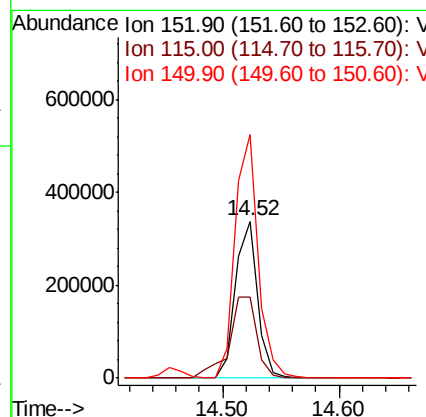
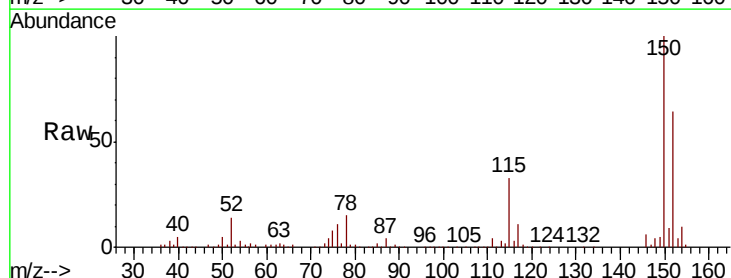
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS01

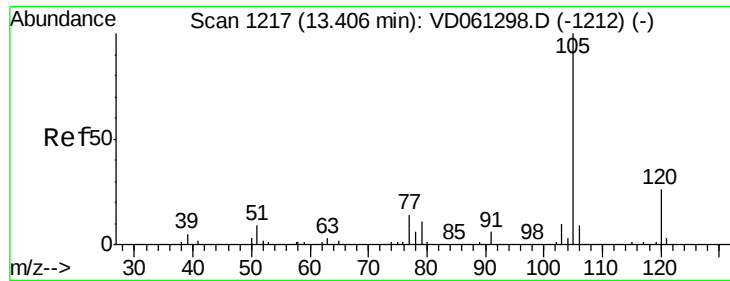
Tot Ion:173 Resp: 89838
Ion Ratio Lower Upper
173 100
175 46.6 24.9 74.7
254 7.4 7.8 11.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Tgt Ion:152 Resp: 445747
Ion Ratio Lower Upper
152 100
115 51.9 29.2 87.6
150 155.3 0.0 319.6





#73

Isopropylbenzene

Concen: 21.964 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

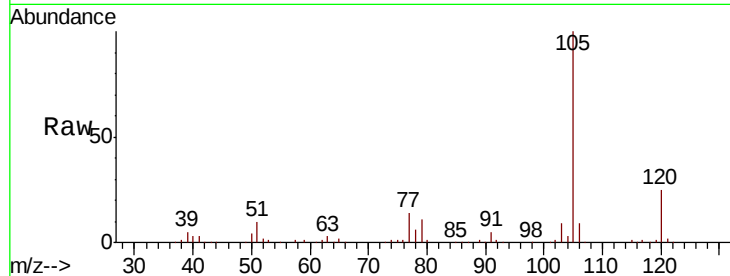
VD0325SBS01

Tot Ion:105 Resp: 636797

Ion Ratio Lower Upper

105 100

120 24.9 13.1 39.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

500000

400000

300000

200000

100000

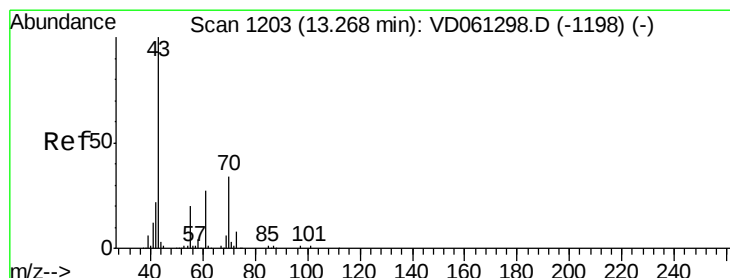
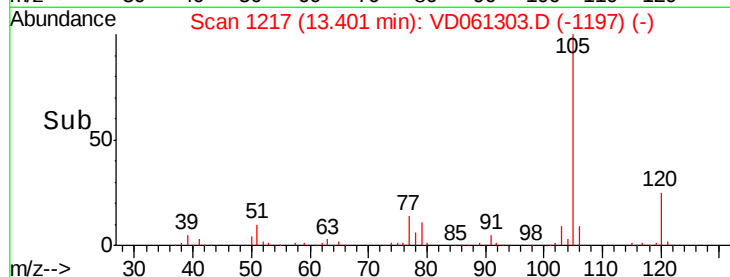
0

13.40

13.30

13.50

Time-->



#74

N-ethyl acetate

Concen: 19.448 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Tgt Ion: 43 Resp: 147515

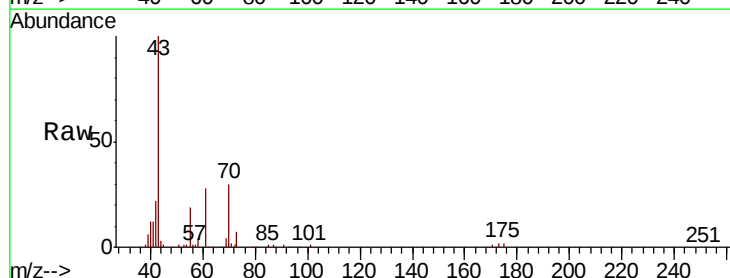
Ion Ratio Lower Upper

43 100

70 30.0 27.5 41.3

55 19.0 15.7 23.5

61 28.2 21.8 32.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

150000

100000

50000

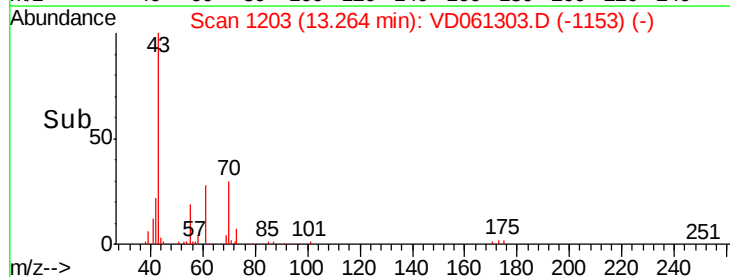
0

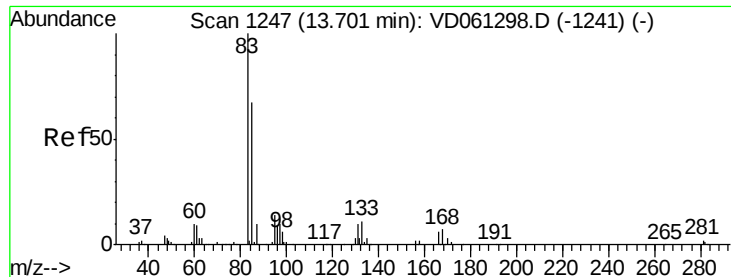
13.26

13.20

13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.510 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

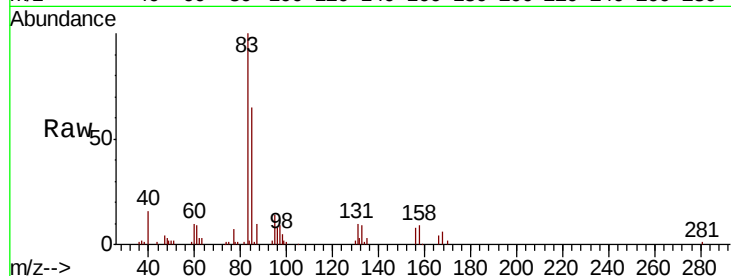
Tot Ion: 83 Resp: 120934

Ion Ratio Lower Upper

83 100

131 9.6 5.0 15.0

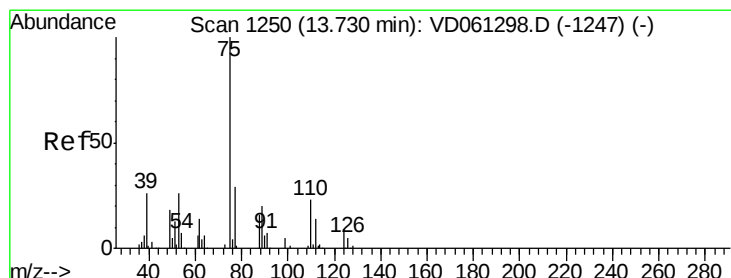
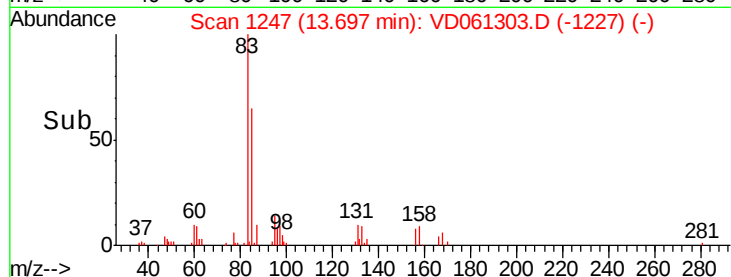
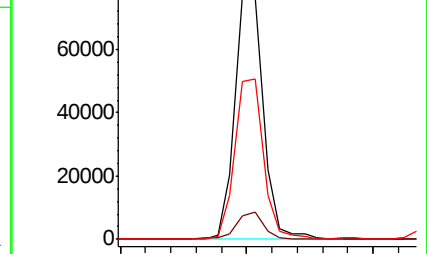
85 65.0 33.4 100.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 18.515 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061303.D

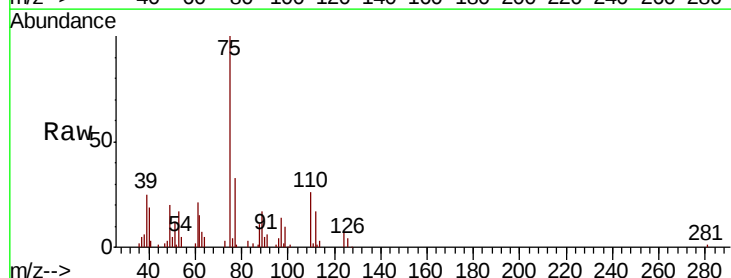
Acq: 25 Mar 2019 15:48

Tgt Ion: 75 Resp: 102637

Ion Ratio Lower Upper

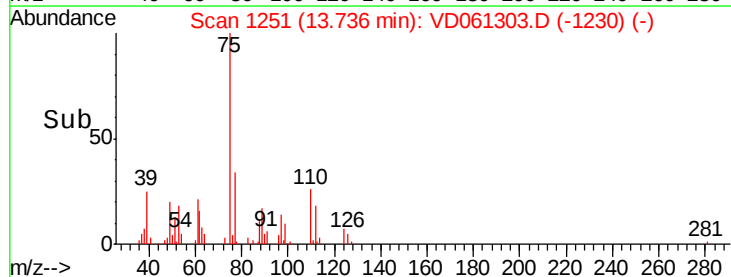
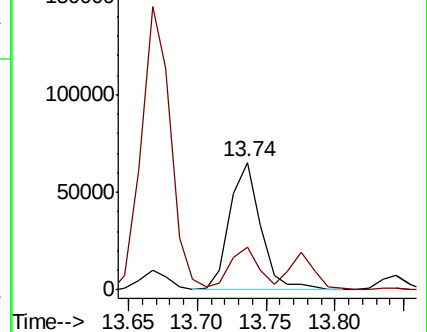
75 100

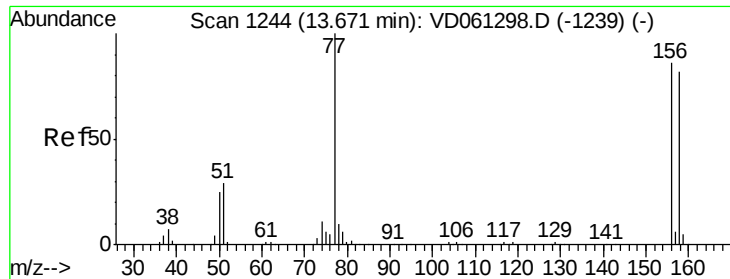
77 33.5 15.8 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.969 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

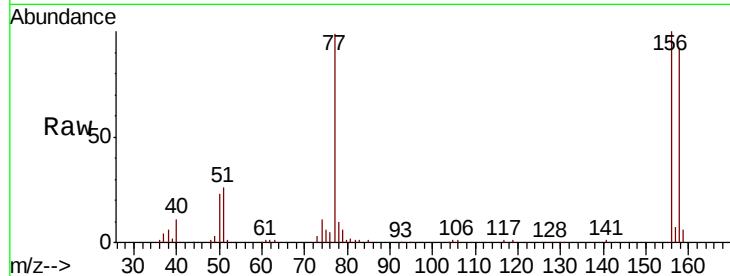
Tot Ion:156 Resp: 177911

Ion Ratio Lower Upper

156 100

77 98.7 58.4 175.1

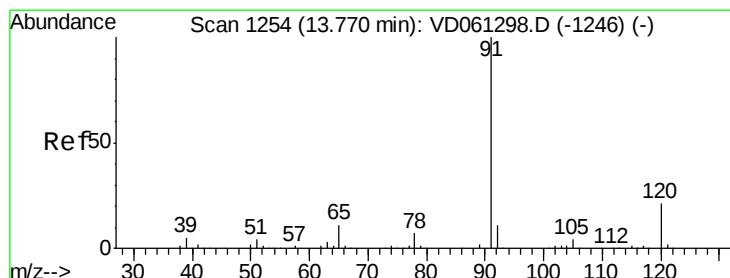
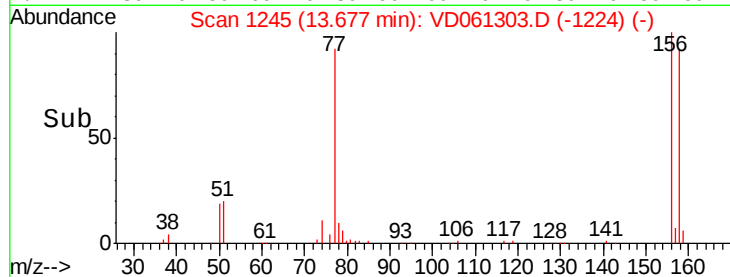
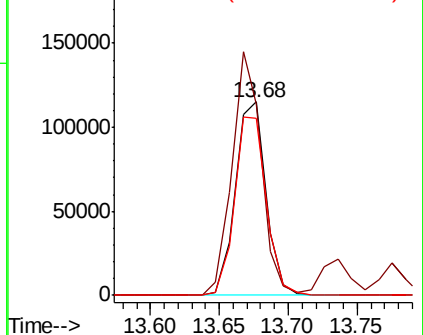
158 91.8 48.1 144.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.895 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061303.D

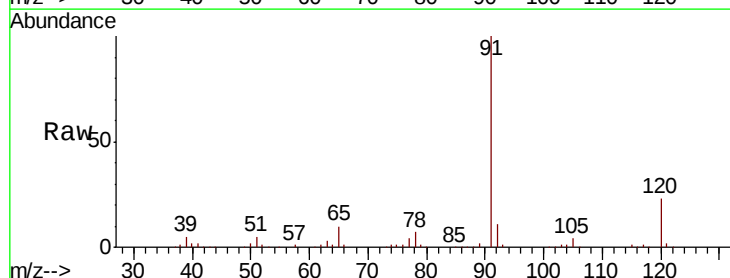
Acq: 25 Mar 2019 15:48

Tgt Ion: 91 Resp: 683453

Ion Ratio Lower Upper

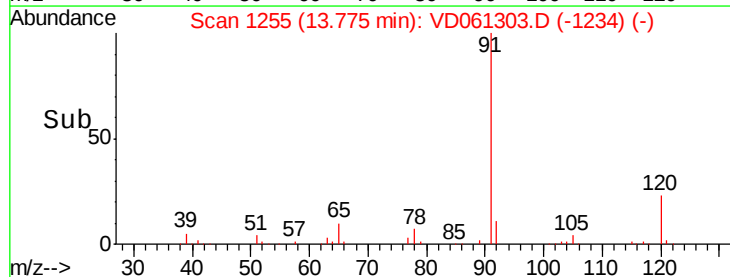
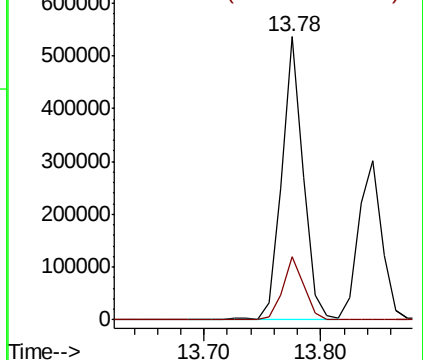
91 100

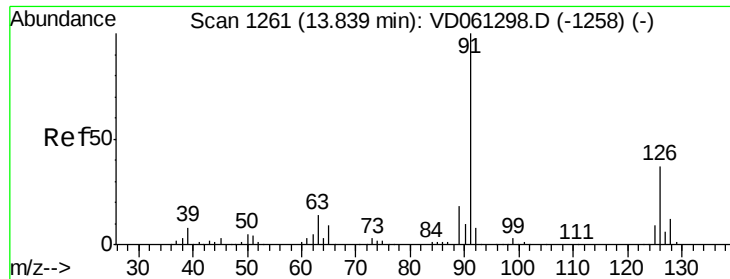
120 22.6 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

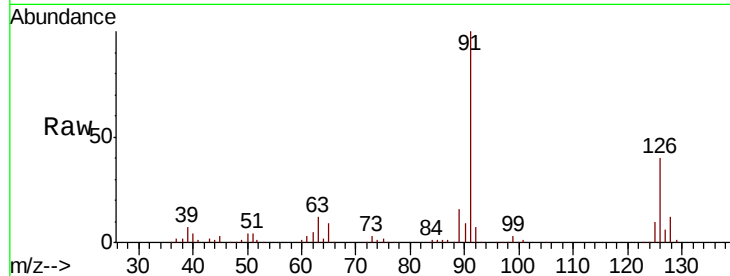




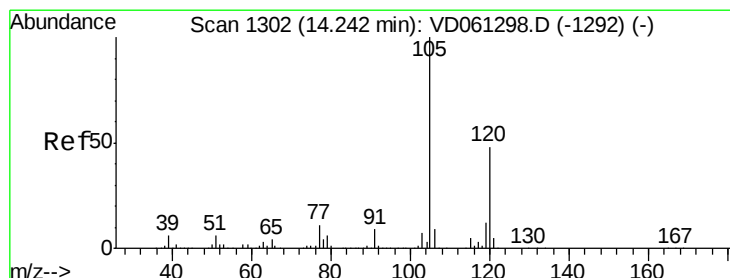
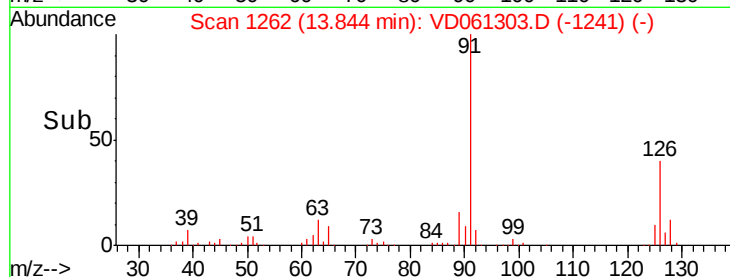
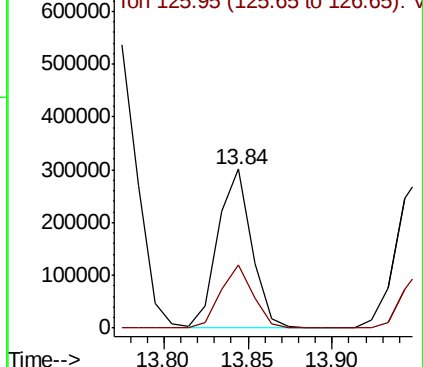
#79
2-Chlorotoluene
Concen: 21.852 ug/l
RT: 13.84 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS01

Tot Ion: 91 Resp: 416169
Ion Ratio Lower Upper
91 100
126 40.0 18.4 55.4

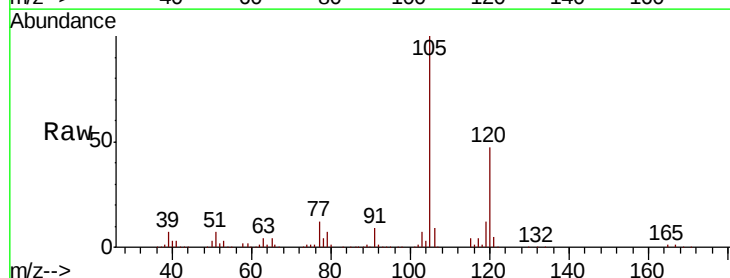


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

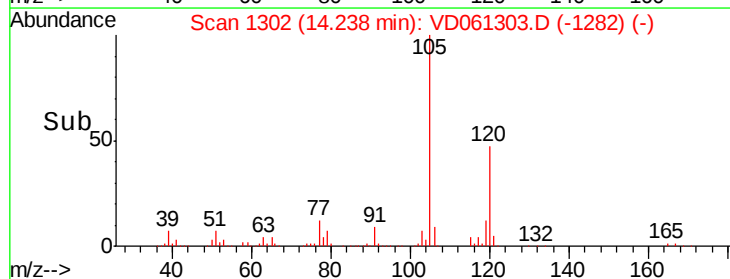
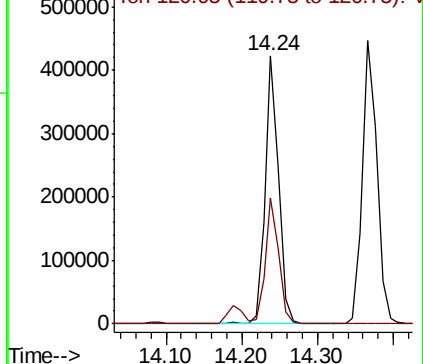


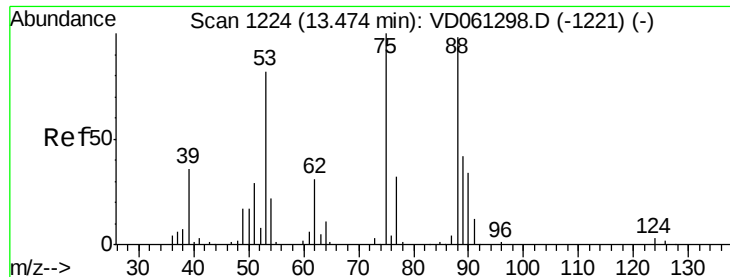
#80
1,3,5-Trimethylbenzene
Concen: 23.231 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Tgt Ion: 105 Resp: 531332
Ion Ratio Lower Upper
105 100
120 46.8 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

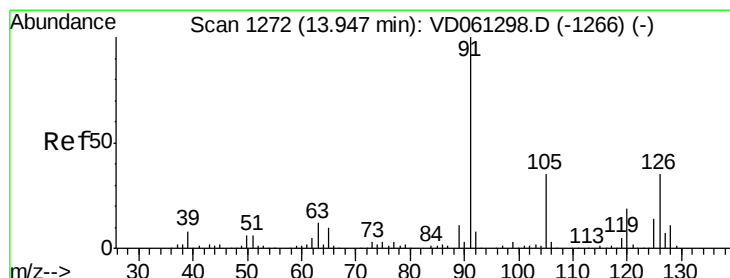
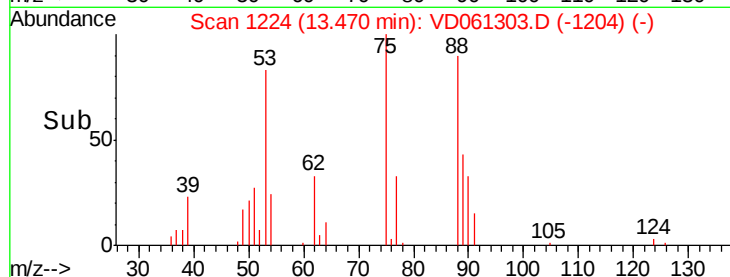
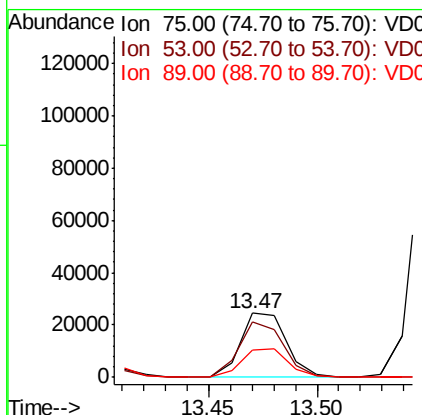
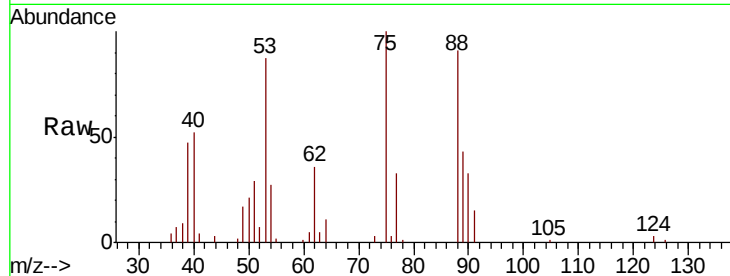




#81
trans-1,4-Dichloro-2-butene
Concen: 20.668 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

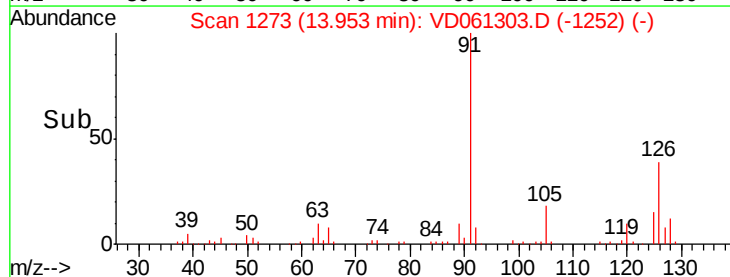
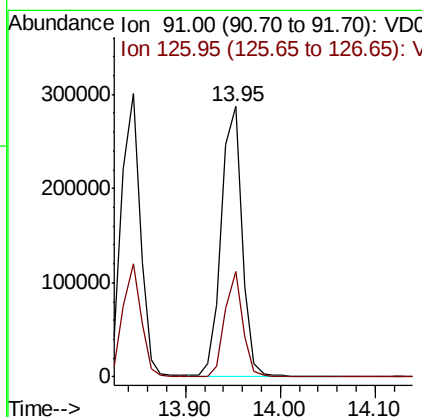
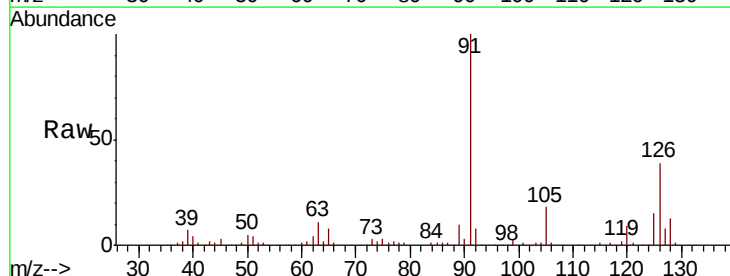
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS01

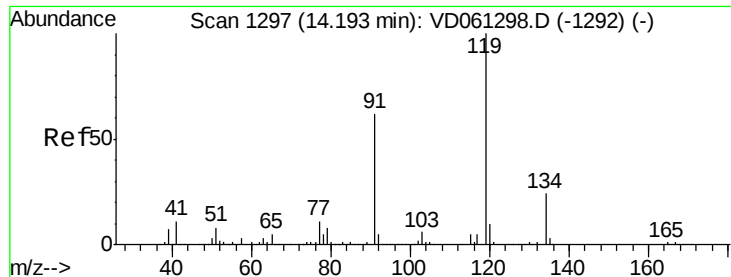
Tot Ion: 75 Resp: 36157
Ion Ratio Lower Upper
75 100
53 87.1 65.3 97.9
89 42.7 33.8 50.6



#82
4-Chlorotoluene
Concen: 21.000 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Tgt Ion: 91 Resp: 437221
Ion Ratio Lower Upper
91 100
126 39.2 17.7 53.1





#83

tert-Butylbenzene

Concen: 22.421 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

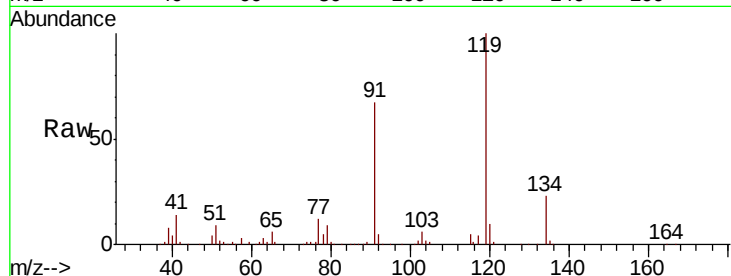
Tot Ion:119 Resp: 585504

Ion Ratio Lower Upper

119 100

91 67.0 31.1 93.5

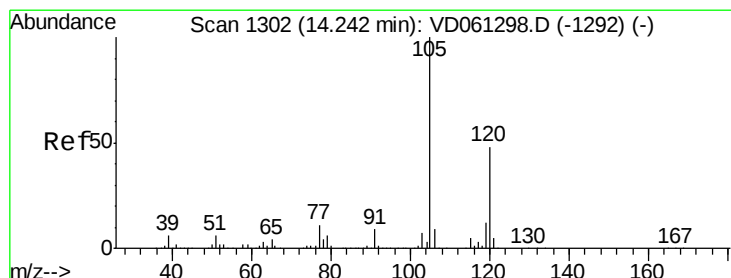
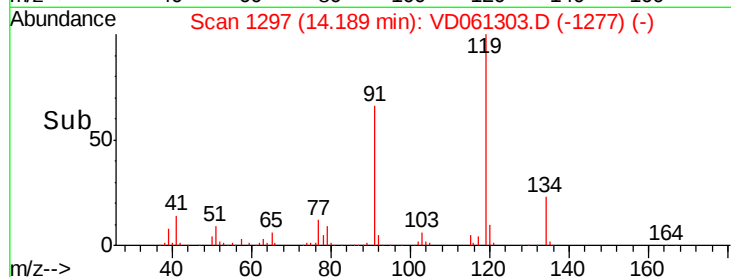
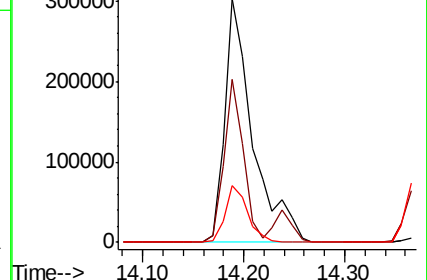
134 23.0 11.9 35.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.231 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD061303.D

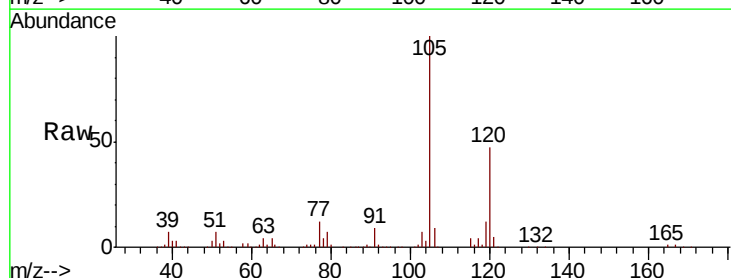
Acq: 25 Mar 2019 15:48

Tgt Ion:105 Resp: 531332

Ion Ratio Lower Upper

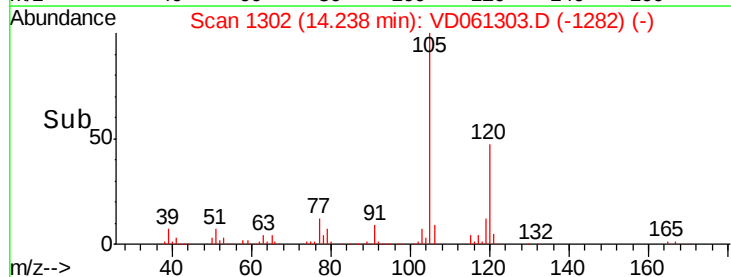
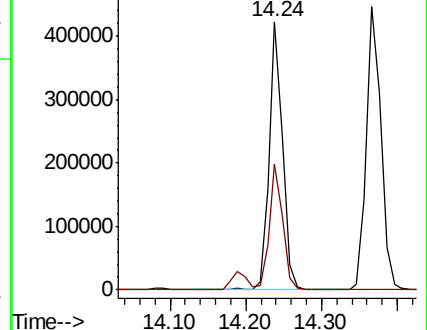
105 100

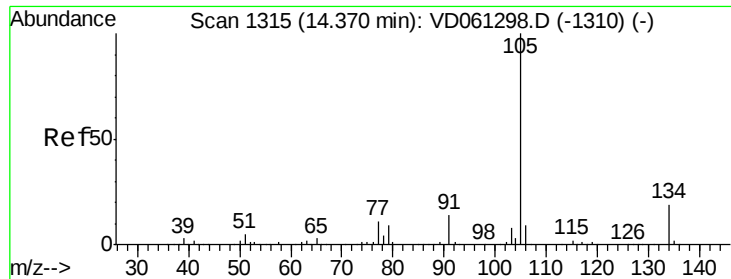
120 46.8 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 20.205 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

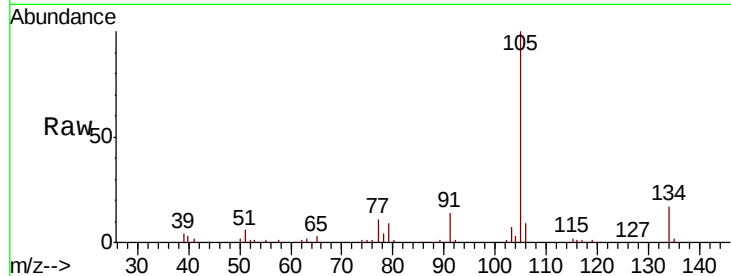
VD0325SBS01

Tot Ion:105 Resp: 587605

Ion Ratio Lower Upper

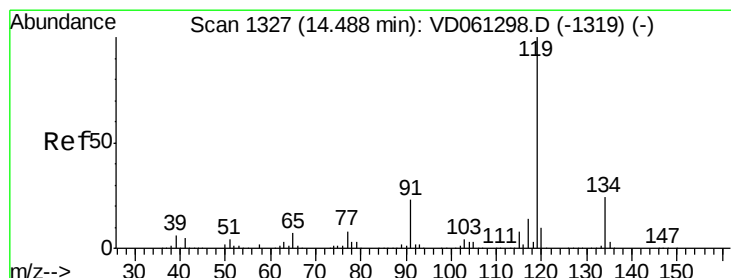
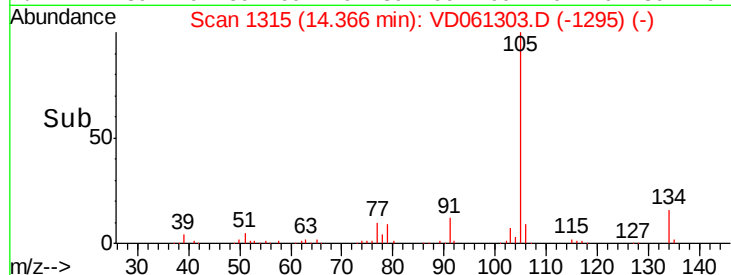
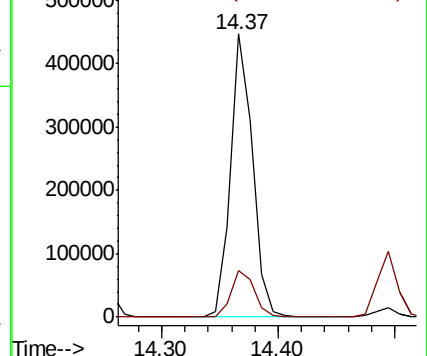
105 100

134 16.6 9.5 28.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 19.926 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

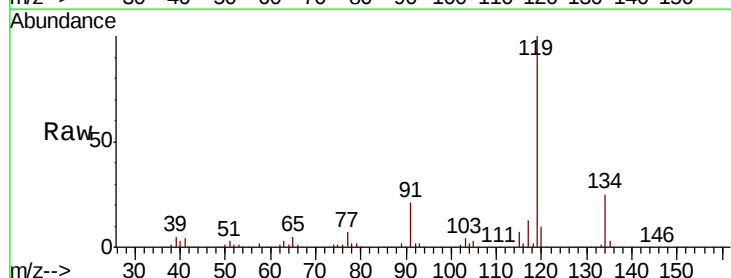
Tgt Ion:119 Resp: 516995

Ion Ratio Lower Upper

119 100

134 24.6 12.1 36.3

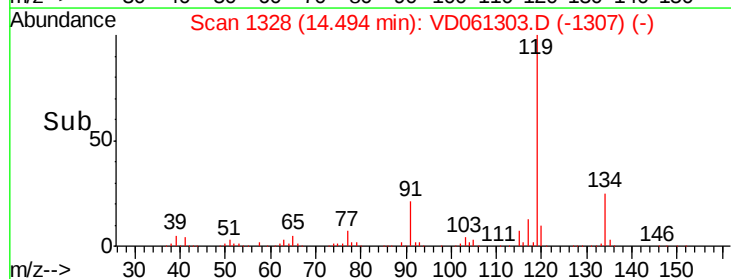
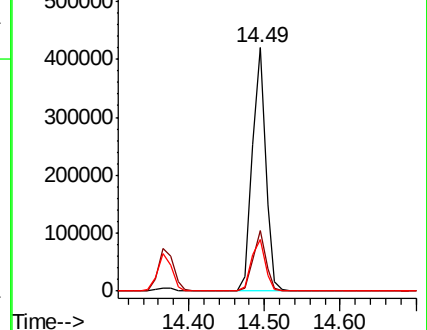
91 21.1 11.4 34.2

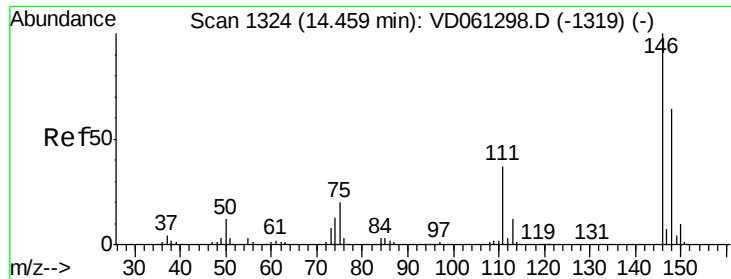


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

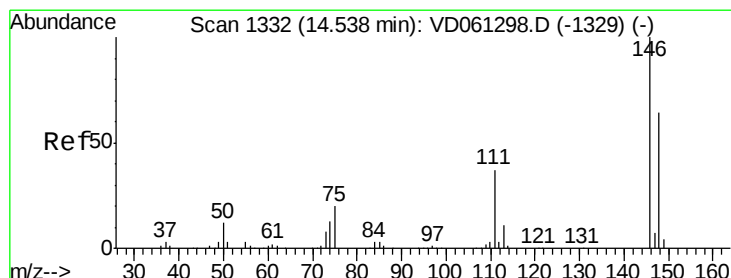
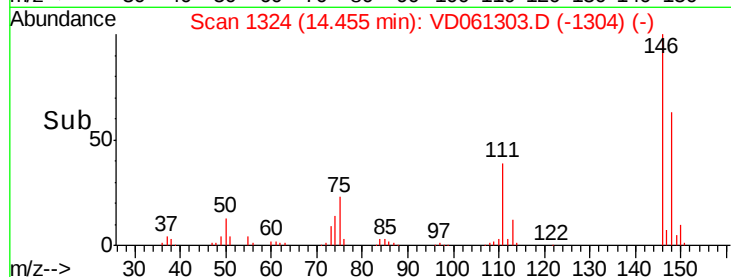
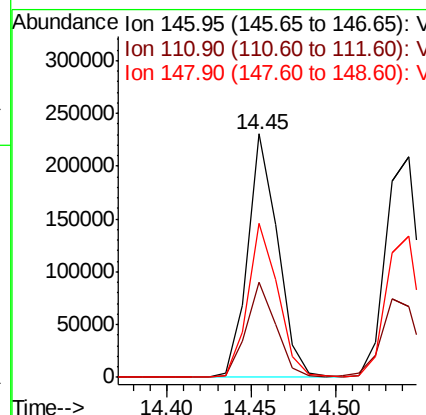
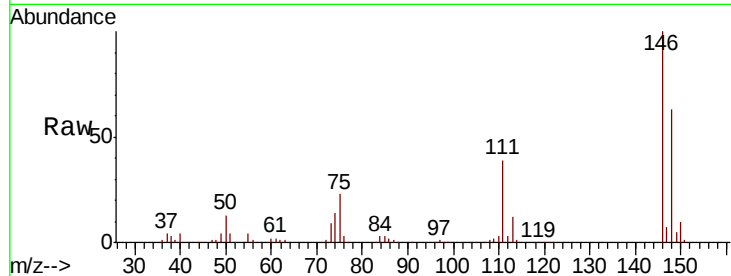




#87
 1,3-Dichlorobenzene
 Concen: 19.959 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061303.D
 Acq: 25 Mar 2019 15:48

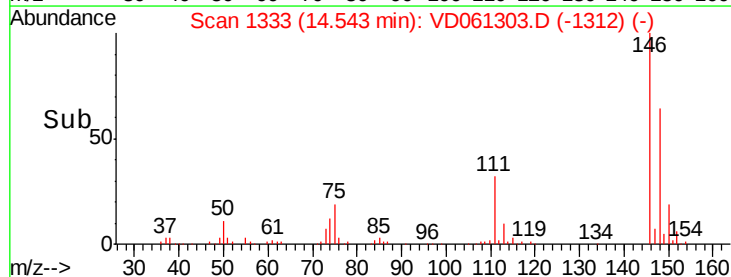
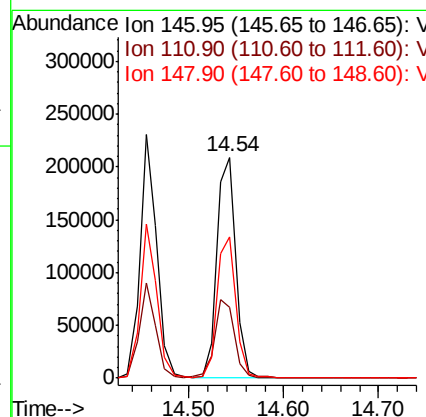
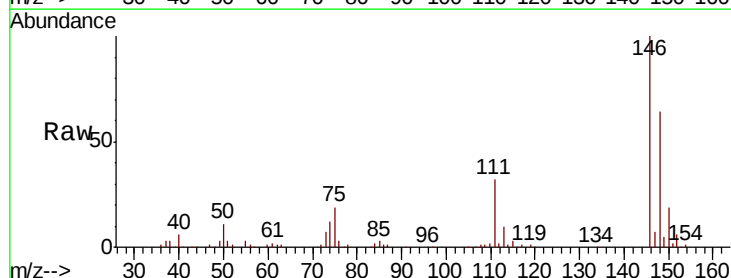
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS01

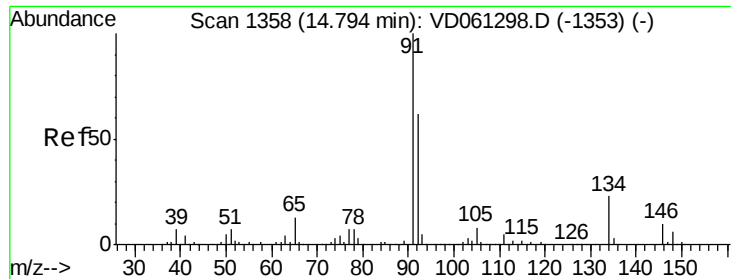
Tot Ion:146 Resp: 286505
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.4 55.0
 148 63.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.077 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061303.D
 Acq: 25 Mar 2019 15:48

Tgt Ion:146 Resp: 293076
 Ion Ratio Lower Upper
 146 100
 111 32.3 18.6 55.6
 148 63.8 31.9 95.5





#89

n-Butylbenzene

Concen: 21.829 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

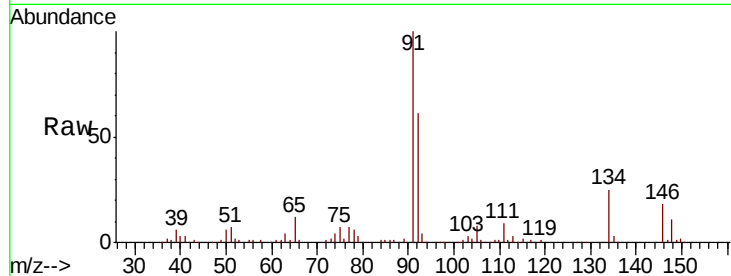
Tot Ion: 91 Resp: 502845

Ion Ratio Lower Upper

91 100

92 61.0 30.9 92.7

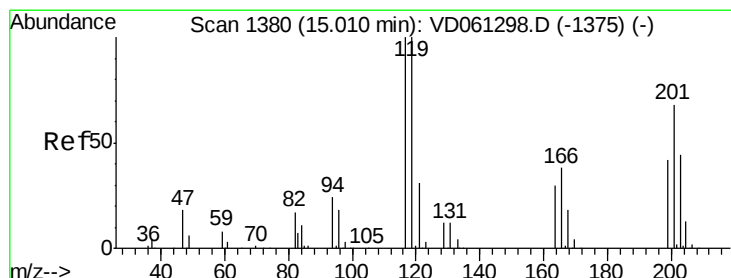
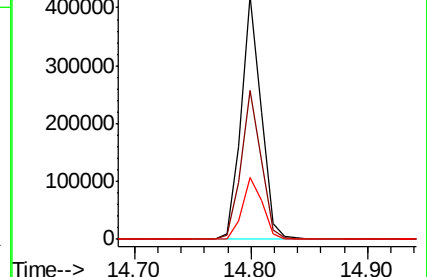
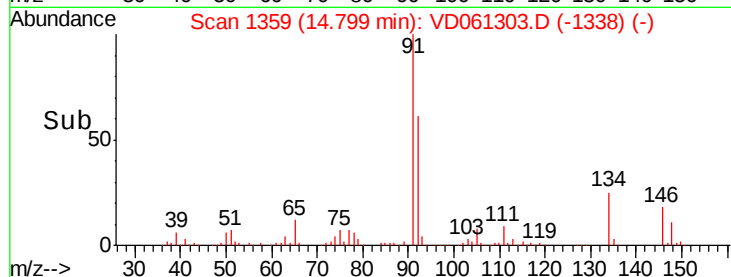
134 25.5 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 21.909 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD061303.D

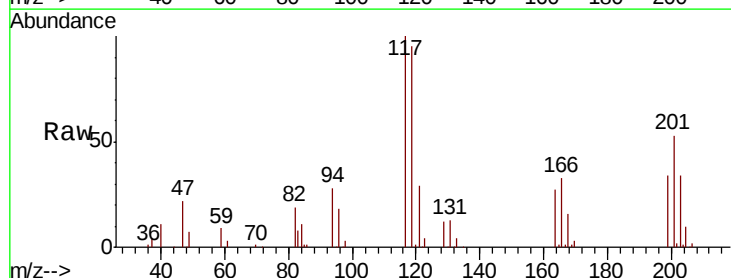
Acq: 25 Mar 2019 15:48

Tgt Ion: 117 Resp: 152414

Ion Ratio Lower Upper

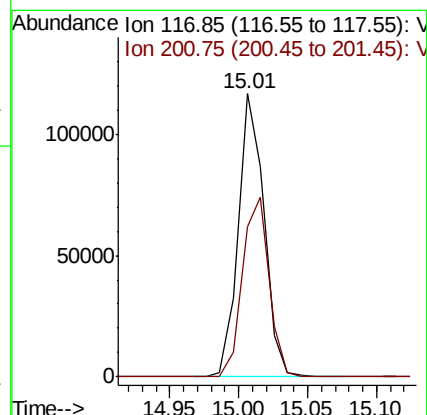
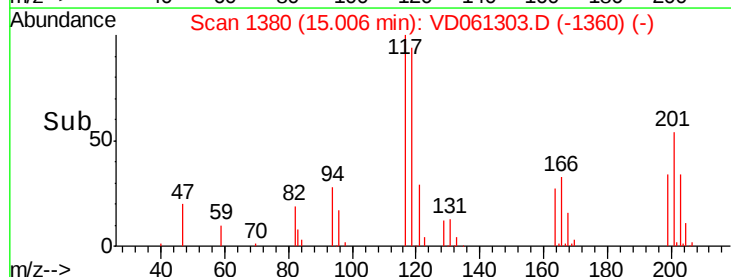
117 100

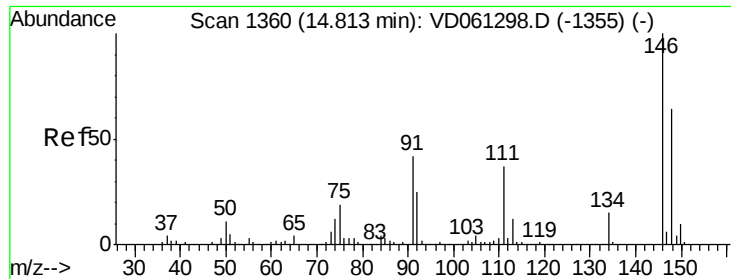
201 53.0 34.0 101.8



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 22.506 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

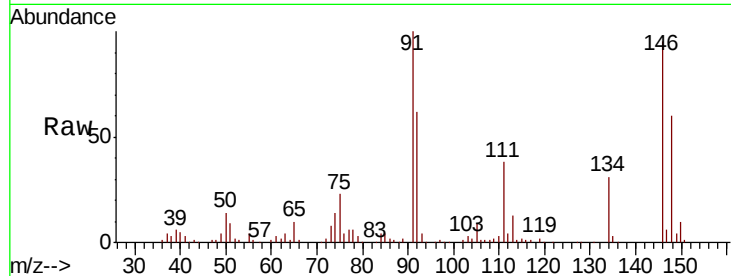
Tot Ion:146 Resp: 257788

Ion Ratio Lower Upper

146 100

111 40.3 18.3 54.8

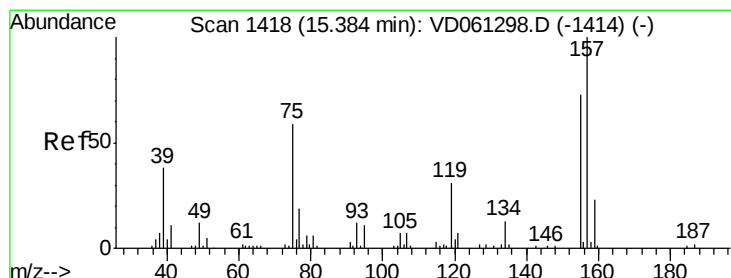
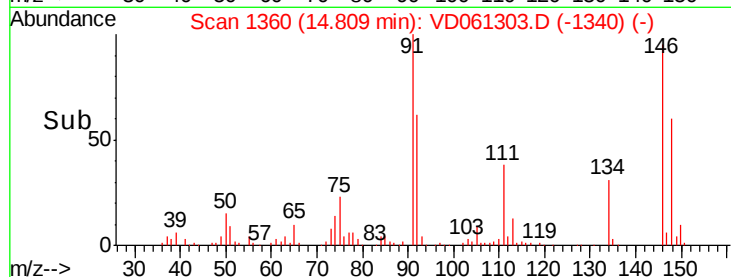
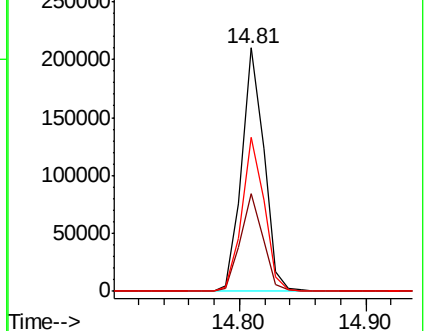
148 63.1 31.9 95.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.427 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VD061303.D

Acq: 25 Mar 2019 15:48

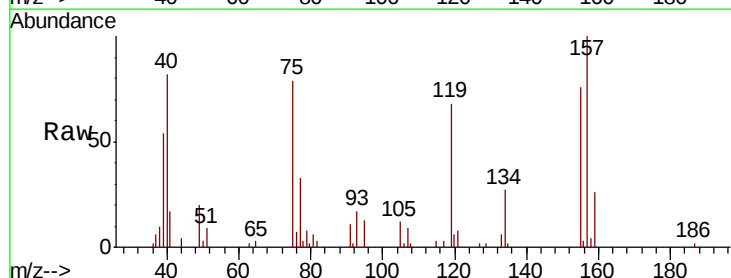
Tgt Ion: 75 Resp: 14351

Ion Ratio Lower Upper

75 100

155 95.5 61.9 185.7

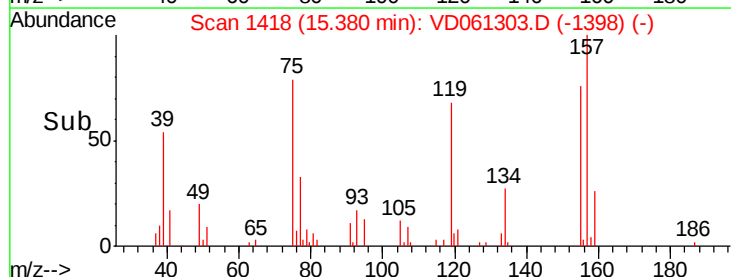
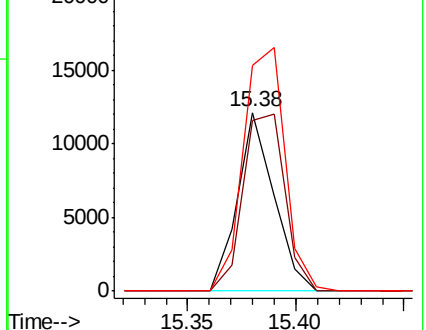
157 126.4 84.4 253.2

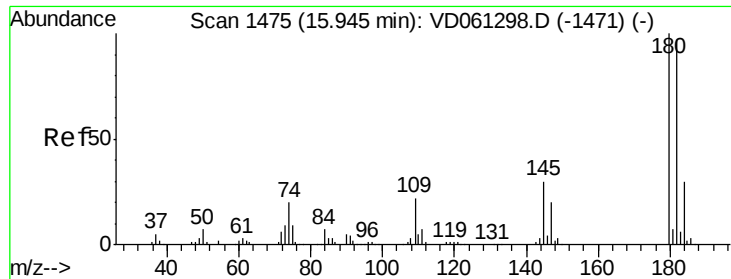


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

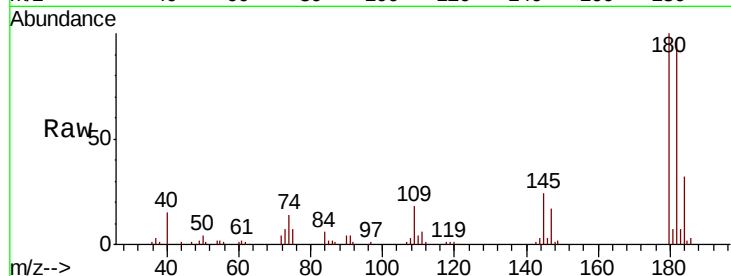




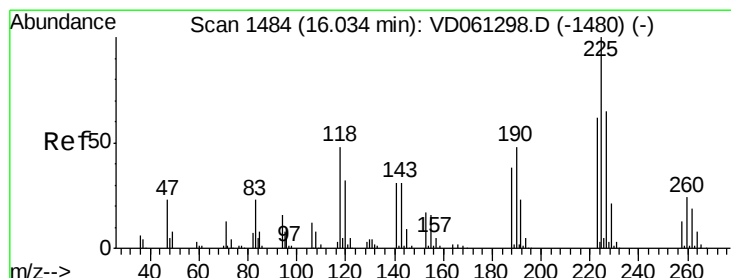
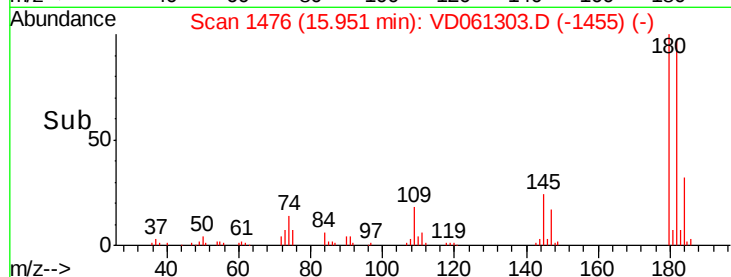
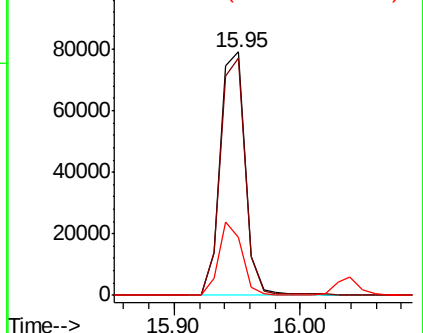
#93
 1,2,4-Trichlorobenzene
 Concen: 20.611 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061303.D
 Acq: 25 Mar 2019 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS01

Tot Ion:180 Resp: 109028
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.3 144.9
 145 24.0 14.8 44.4

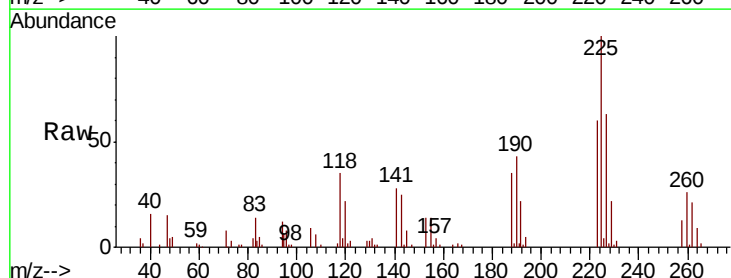


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

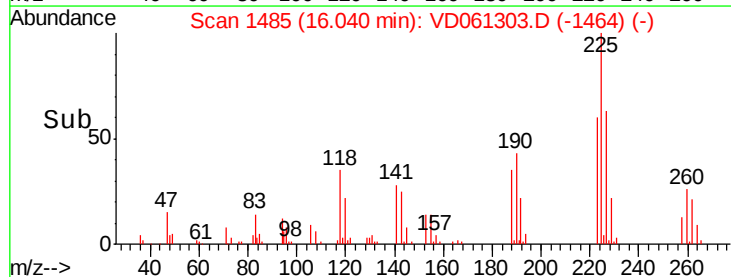
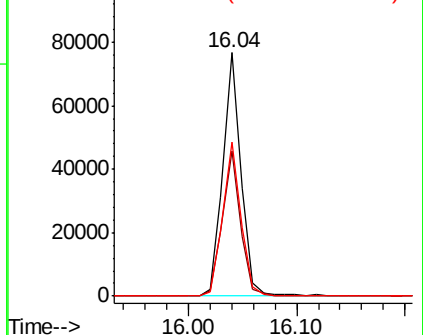


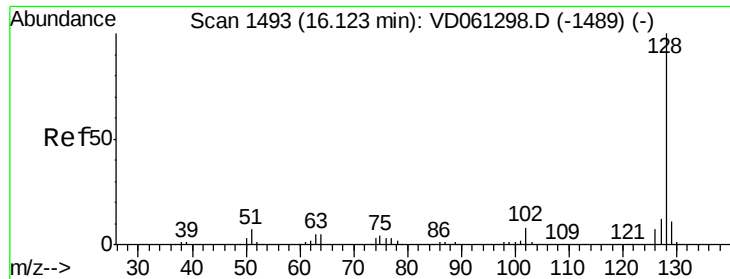
#94
 Hexachlorobutadiene
 Concen: 20.996 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061303.D
 Acq: 25 Mar 2019 15:48

Tgt Ion:225 Resp: 89493
 Ion Ratio Lower Upper
 225 100
 223 59.6 30.9 92.8
 227 63.5 32.6 97.7



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

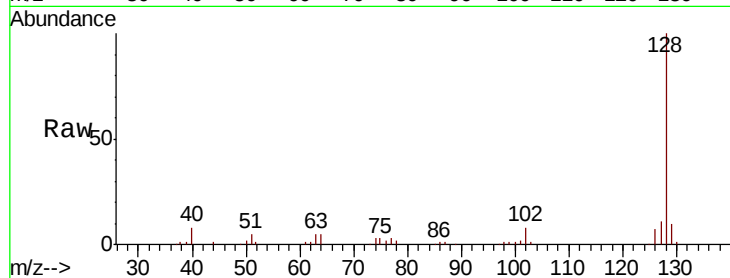




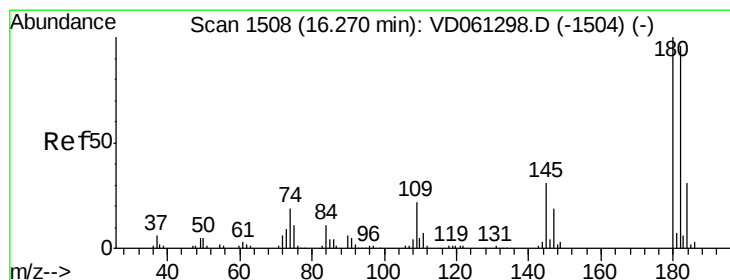
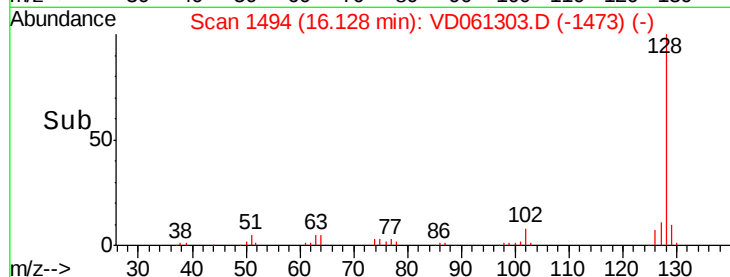
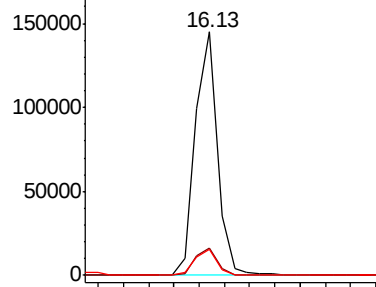
#95
Naphthalene
Concen: 22.810 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS01

Tot Ion:128 Resp: 176061
Ion Ratio Lower Upper
128 100
127 11.5 9.8 14.6
129 10.5 8.6 12.8

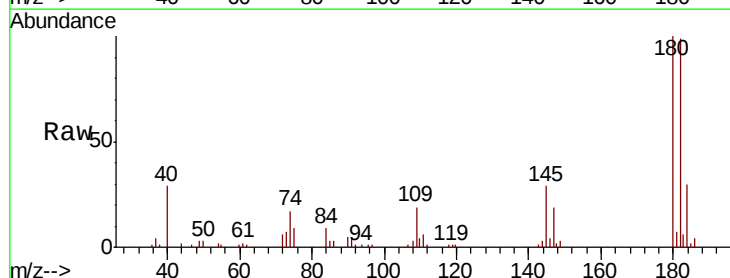


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.839 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061303.D
Acq: 25 Mar 2019 15:48

Tgt Ion:180 Resp: 53959
Ion Ratio Lower Upper
180 100
182 98.6 48.0 144.2
145 28.8 15.4 46.4



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

