

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061414.D
 Acq On : 29 Mar 2019 4:19
 Operator : VA/AP
 Sample : VD0328SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS02

Quant Time: Mar 29 05:30:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	635126	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1047592	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	888453	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	410073	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	288902	53.25	ug/l	0.02
Spiked Amount 50.000			Recovery	=	106.50%	
35) Dibromofluoromethane	6.93	113	446794	55.81	ug/l	0.03
Spiked Amount 50.000			Recovery	=	111.62%	
50) Toluene-d8	10.41	98	1063301	55.38	ug/l	0.02
Spiked Amount 50.000			Recovery	=	110.76%	
62) 4-Bromofluorobenzene	13.56	95	403789	54.84	ug/l	0.01
Spiked Amount 50.000			Recovery	=	109.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	127949	18.864	ug/l	99
3) Chloromethane	1.77	50	118874	21.489	ug/l	97
4) Vinyl Chloride	1.86	62	99509	19.592	ug/l	97
5) Bromomethane	2.16	94	21376	21.224	ug/l	90
6) Chloroethane	2.28	64	26832	18.014	ug/l	96
7) Trichlorofluoromethane	2.54	101	154094	20.863	ug/l	99
8) Diethyl Ether	2.89	74	49915	20.990	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.16	101	163400	20.578	ug/l	98
10) Methyl Iodide	3.32	142	205663	19.322	ug/l	98
11) Tert butyl alcohol	4.07	59	37184	110.050	ug/l	98
12) 1,1-Dichloroethene	3.14	96	141157	20.706	ug/l	97
13) Acrolein	3.06	56	31875	111.084	ug/l	98
14) Allyl chloride	3.64	41	202898	21.339	ug/l	100
15) Acrylonitrile	4.21	53	138189	117.836	ug/l	94
16) Acetone	3.23	43	121244	86.931	ug/l	99
17) Carbon Disulfide	3.39	76	419428	18.936	ug/l	99
18) Methyl Acetate	3.66	43	68641	23.407	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	269204	22.813	ug/l	97
20) Methylene Chloride	3.83	84	196977	24.221	ug/l	97
21) trans-1,2-Dichloroethene	4.24	96	160520	21.809	ug/l	98
22) Diisopropyl ether	5.12	45	438580	21.797	ug/l	92
23) Vinyl Acetate	5.06	43	1210475	110.750	ug/l	99
24) 1,1-Dichloroethane	4.99	63	249426	21.093	ug/l	98
25) 2-Butanone	6.08	43	171041	97.491	ug/l	99
26) 2,2-Dichloropropane	6.04	77	174531	18.567	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	175230	21.730	ug/l	96
28) Bromochloromethane	6.44	49	104289	21.848	ug/l #	94
29) Tetrahydrofuran	6.46	42	94062	110.614	ug/l	97
30) Chloroform	6.67	83	272720	22.320	ug/l	98
31) Cyclohexane	6.96	56	190996	20.439	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	230177	21.353	ug/l	97
36) 1,1-Dichloropropene	7.15	75	188289	20.594	ug/l	96
37) Ethyl Acetate	6.19	43	92954	23.772	ug/l	96
38) Carbon Tetrachloride	7.12	117	217964	20.746	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061414.D
 Acq On : 29 Mar 2019 4:19
 Operator : VA/AP
 Sample : VD0328SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0328SBS02

Quant Time: Mar 29 05:30:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	193859	20.358	ug/l	96
40) Benzene	7.46	78	498447	21.722	ug/l	96
41) Methacrylonitrile	6.45	41	105781	23.136	ug/l #	96
42) 1,2-Dichloroethane	7.58	62	157463	22.941	ug/l	99
43) Isopropyl Acetate	9.24	43	130090	22.865	ug/l	96
44) Trichloroethene	8.54	130	185607	21.735	ug/l	93
45) 1,2-Dichloropropane	8.94	63	132454	22.764	ug/l	97
46) Dibromomethane	9.06	93	92240	23.552	ug/l	93
47) Bromodichloromethane	9.38	83	194301	22.105	ug/l	94
48) Methyl methacrylate	9.12	41	70416	22.426	ug/l	96
49) 1,4-Dioxane	9.08	88	15653	451.968	ug/l	94
51) 4-Methyl-2-Pentanone	10.30	43	402282	116.220	ug/l	97
52) Toluene	10.51	92	337294	24.094	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	167343	20.954	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	225832	23.223	ug/l	93
55) 1,1,2-Trichloroethane	11.19	97	111594	22.794	ug/l	97
56) Ethyl methacrylate	11.04	69	119612	22.742	ug/l	99
57) 1,3-Dichloropropane	11.41	76	177499	24.666	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	326112	127.322	ug/l	99
59) 2-Hexanone	11.53	43	281558	112.269	ug/l	99
60) Dibromochloromethane	11.69	129	169528	22.462	ug/l	100
61) 1,2-Dibromoethane	11.81	107	132523	23.376	ug/l	97
64) Tetrachloroethene	11.26	164	151774	21.767	ug/l	98
65) Chlorobenzene	12.40	112	379999	20.928	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	153862	21.886	ug/l	99
67) Ethyl Benzene	12.53	91	604641	21.817	ug/l	97
68) m/p-Xylenes	12.67	106	492770	46.938	ug/l	97
69) o-Xylene	13.05	106	233696	22.939	ug/l	99
70) Styrene	13.08	104	388012	21.848	ug/l	98
71) Bromoform	13.23	173	92585	20.775	ug/l	98
73) Isopropylbenzene	13.40	105	608961	21.337	ug/l	99
74) N-amyl acetate	13.26	43	149921	18.857	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	127970	21.255	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	129989	21.944	ug/l	98
77) Bromobenzene	13.67	156	167756	19.827	ug/l	97
78) n-propylbenzene	13.78	91	728252	20.851	ug/l	97
79) 2-Chlorotoluene	13.84	91	412273	21.739	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	483266	21.823	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	36540	20.231	ug/l	98
82) 4-Chlorotoluene	13.94	91	450337	21.839	ug/l	88
83) tert-Butylbenzene	14.19	119	559495	20.217	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	485195	20.238	ug/l	98
85) sec-Butylbenzene	14.37	105	591075	20.105	ug/l	99
86) p-Isopropyltoluene	14.49	119	496572	19.975	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	274735	19.175	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	292692	20.948	ug/l	95
89) n-Butylbenzene	14.80	91	423476	18.559	ug/l	99
90) Hexachloroethane	15.01	117	136987	19.505	ug/l	79
91) 1,2-Dichlorobenzene	14.81	146	236926	20.160	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	15597	22.088	ug/l	82

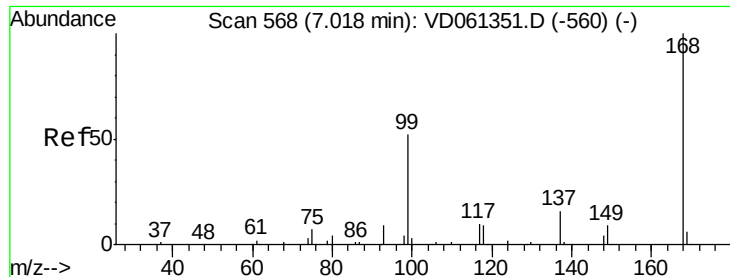
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032819\
Data File : VD061414.D
Acq On : 29 Mar 2019 4:19
Operator : VA/AP
Sample : VD0328SBSD02
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD02

Quant Time: Mar 29 05:30:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	111490	20.825	ug/l	94
94) Hexachlorobutadiene	16.04	225	79433	18.987	ug/l	99
95) Naphthalene	16.12	128	174841	21.425	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	51621	21.912	ug/l	96

(#) = 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. 0.03 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

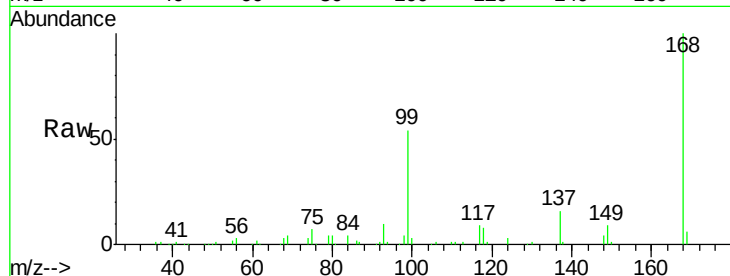
VD0328SBS02

Tot Ion:168 Resp: 635126

Ion Ratio Lower Upper

168 100

99 54.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

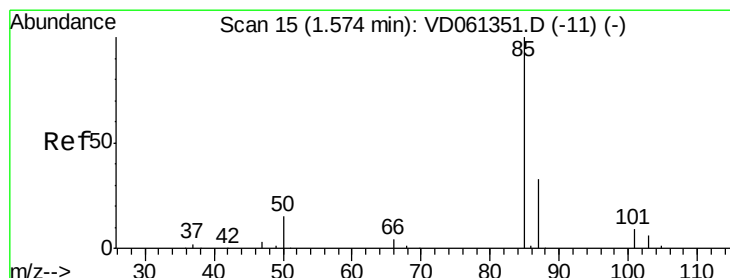
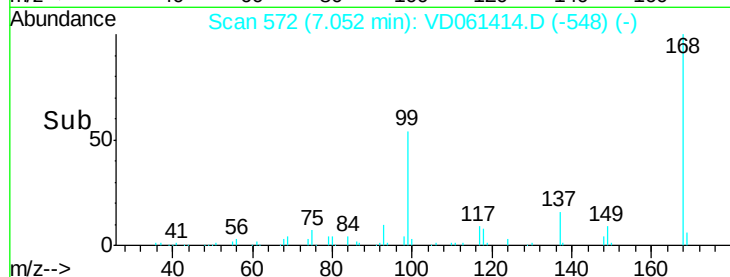
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 18.864 ug/l

RT: 1.60 min Scan# 18

Delta R.T. 0.02 min

Lab File: VD061414.D

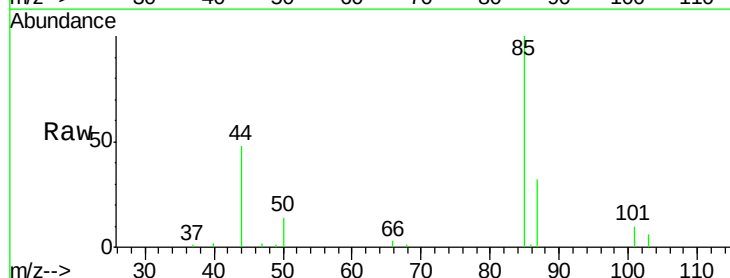
Acq: 29 Mar 2019 4:19

Tgt Ion: 85 Resp: 127949

Ion Ratio Lower Upper

85 100

87 32.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

60000

50000

40000

30000

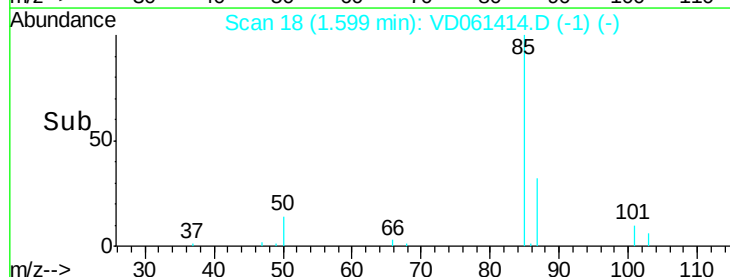
20000

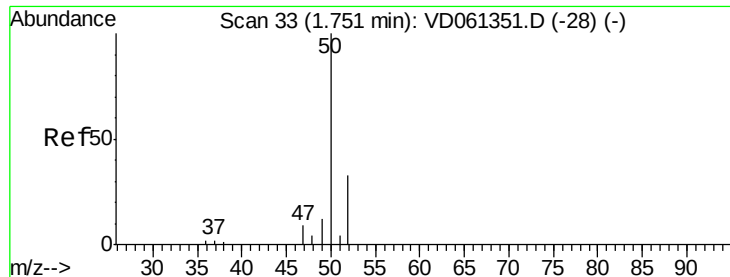
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.489 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

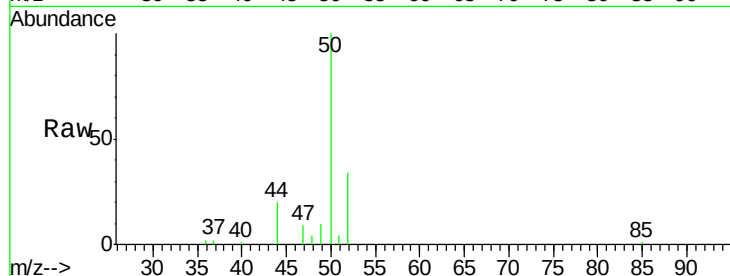
VD0328SBSD02

Tot Ion: 50 Resp: 118874

Ion Ratio Lower Upper

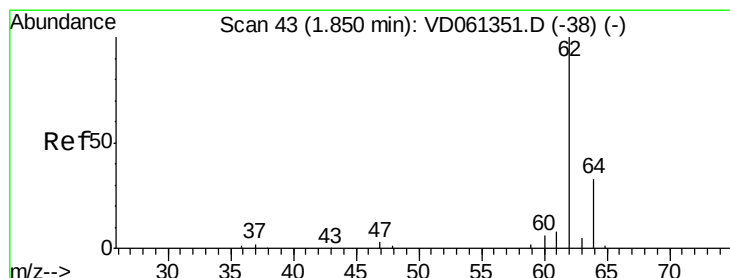
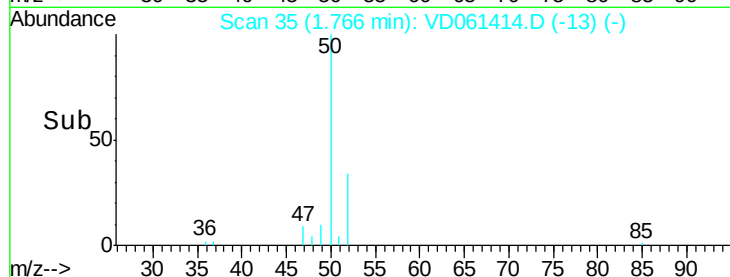
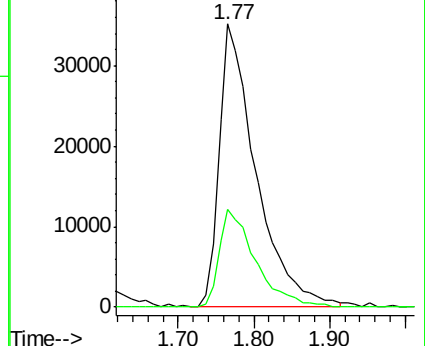
50 100

52 34.5 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.592 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD061414.D

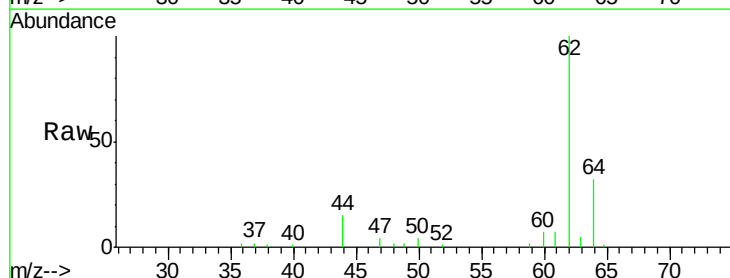
Acq: 29 Mar 2019 4:19

Tgt Ion: 62 Resp: 99509

Ion Ratio Lower Upper

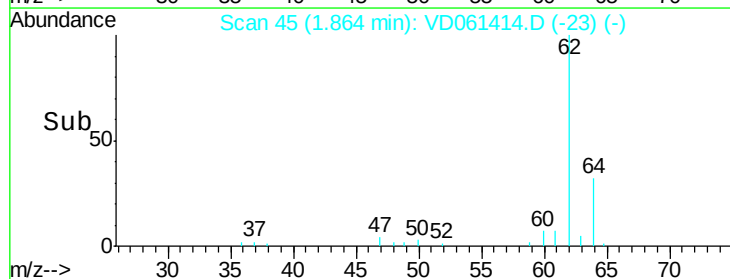
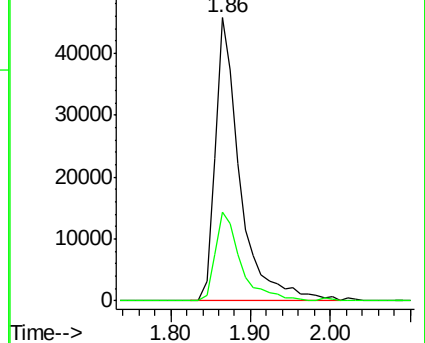
62 100

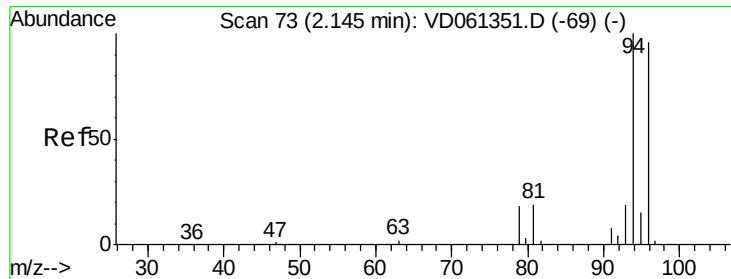
64 31.6 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

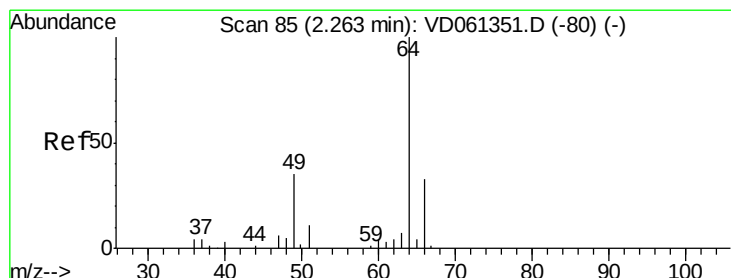
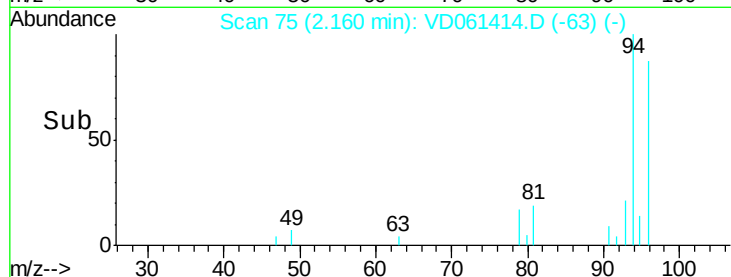
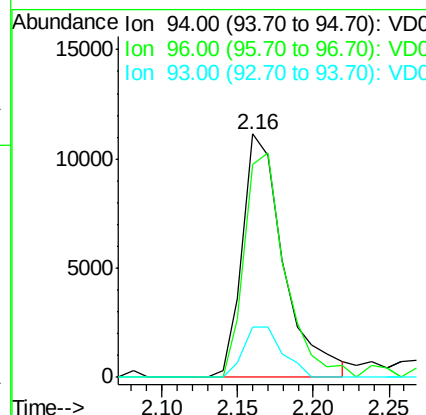
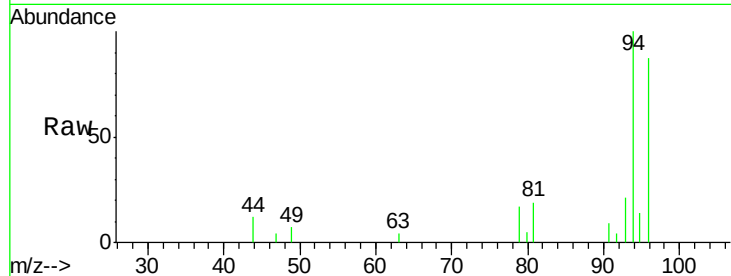




#5
Bromomethane
Concen: 21.224 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.01 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

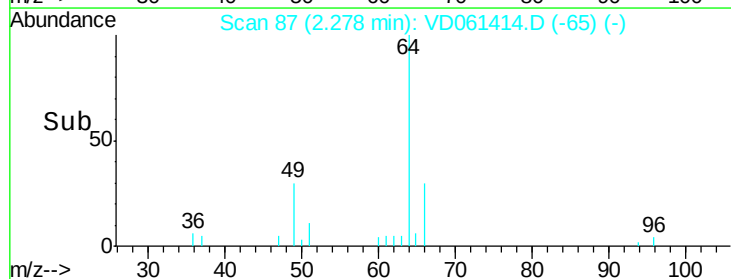
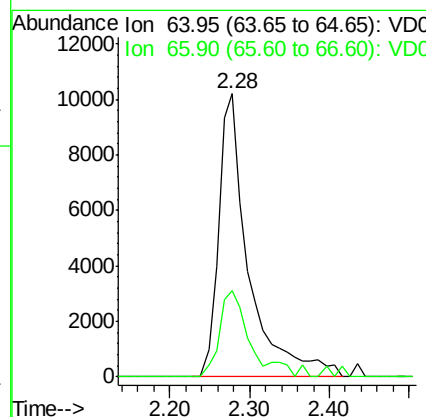
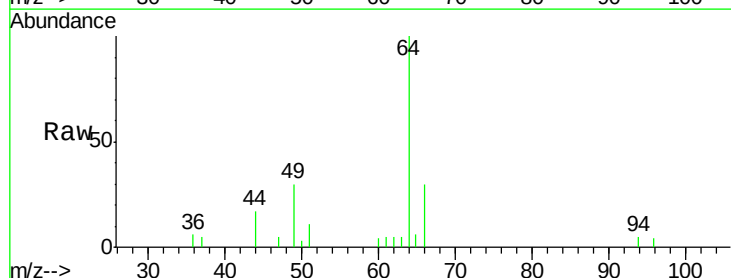
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD02

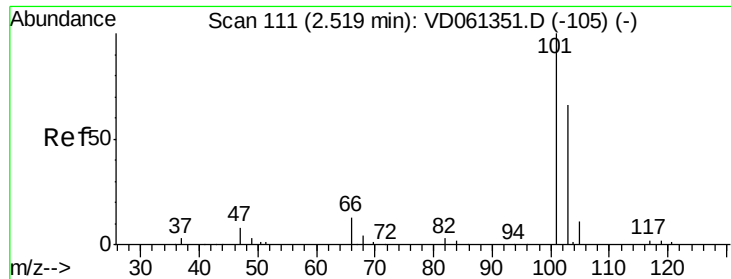
Tot Ion: 94 Resp: 21376
Ion Ratio Lower Upper
94 100
96 87.2 78.3 117.5
93 20.9 15.6 23.4



#6
Chloroethane
Concen: 18.014 ug/l
RT: 2.28 min Scan# 87
Delta R.T. 0.01 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Tgt Ion: 64 Resp: 26832
Ion Ratio Lower Upper
64 100
66 30.3 26.2 39.2



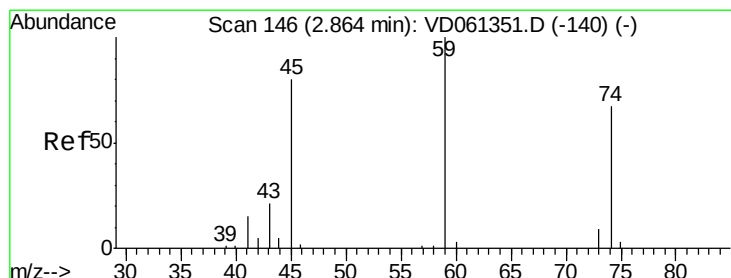
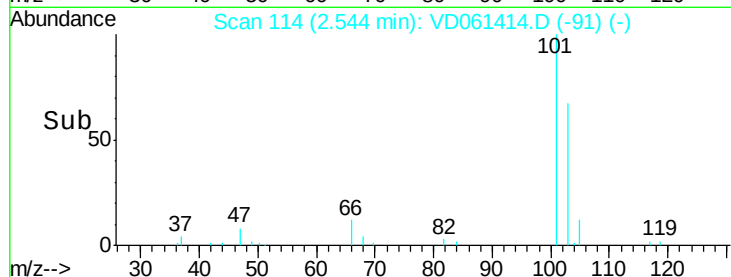
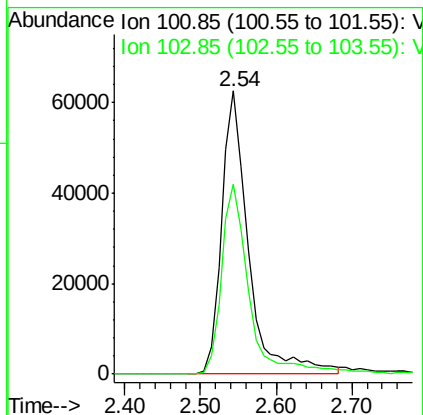
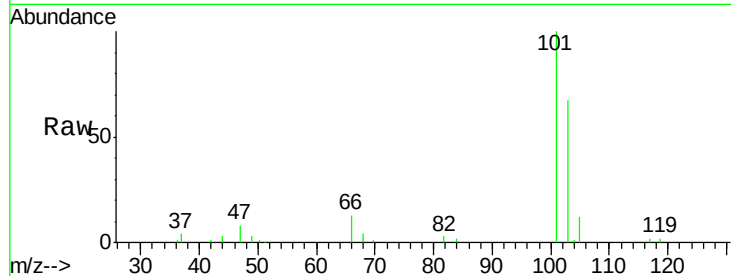


#7

Trichlorofluoromethane
Concen: 20.863 ug/l
RT: 2.54 min Scan# 114
Delta R.T. 0.02 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD02

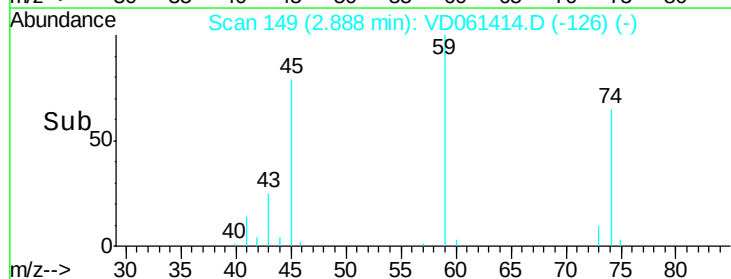
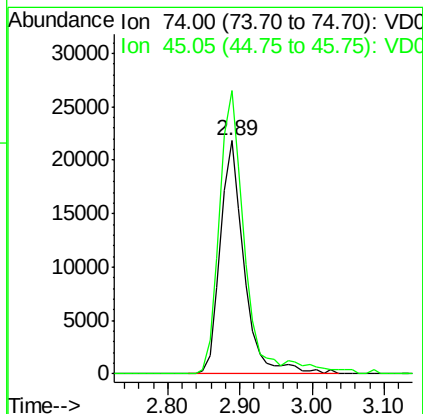
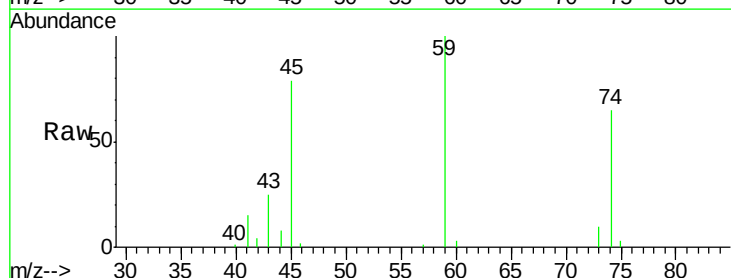
Tot Ion:101 Resp: 154094
Ion Ratio Lower Upper
101 100
103 66.9 53.1 79.7

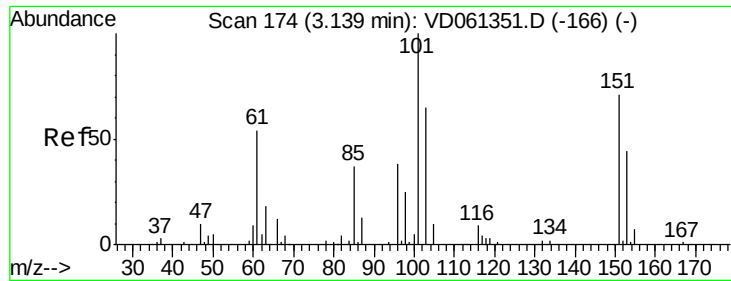


#8

Diethyl Ether
Concen: 20.990 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.02 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Tgt Ion: 74 Resp: 49915
Ion Ratio Lower Upper
74 100
45 121.5 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.578 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.02 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBSD02

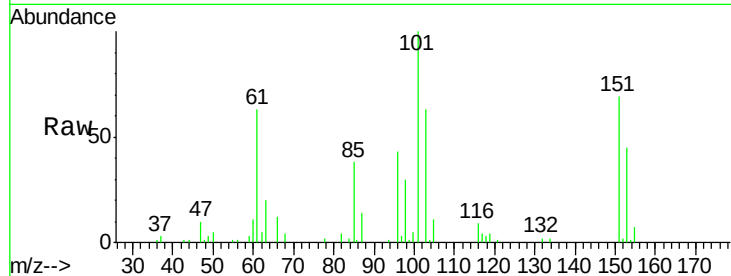
Tot Ion:101 Resp: 163400

Ion Ratio Lower Upper

101 100

85 37.7 29.4 44.0

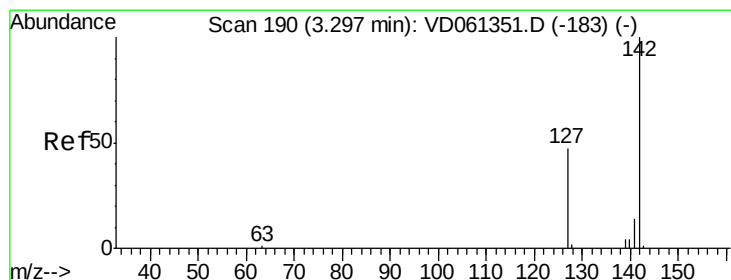
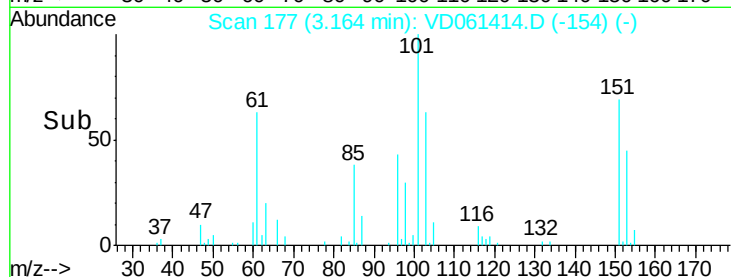
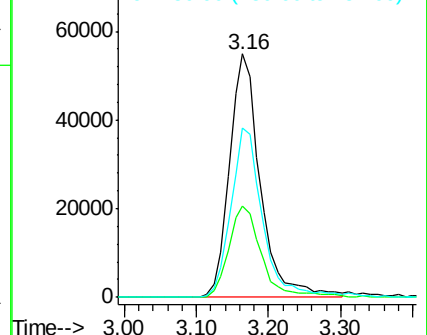
151 69.4 57.0 85.4



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: 19.322 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

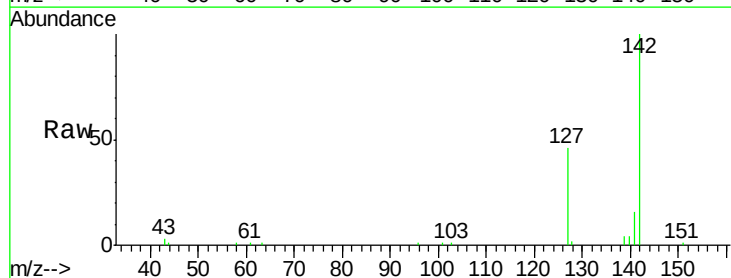
Tgt Ion:142 Resp: 205663

Ion Ratio Lower Upper

142 100

127 46.3 37.7 56.5

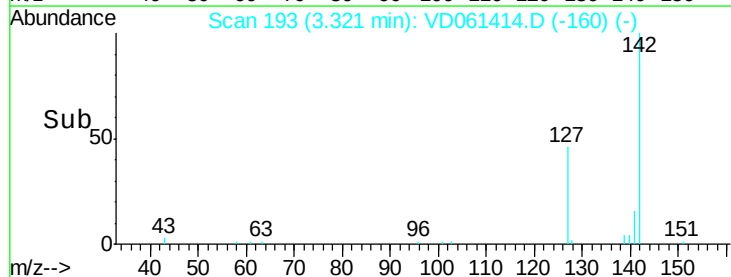
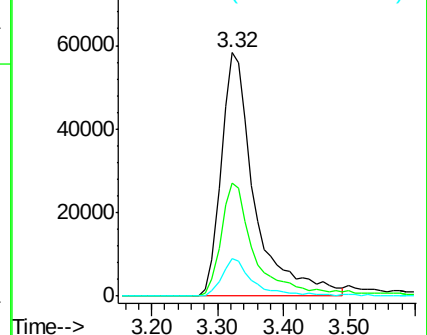
141 15.5 11.5 17.3

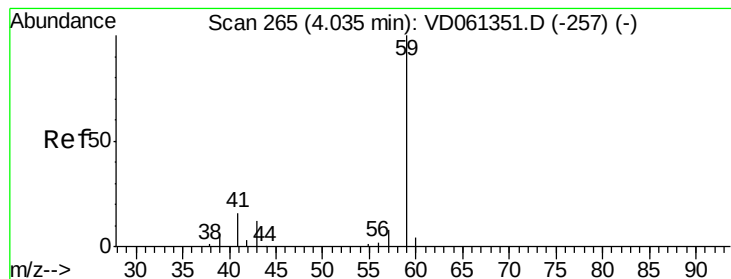


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



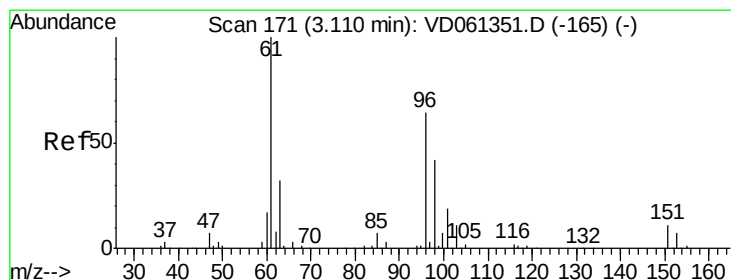
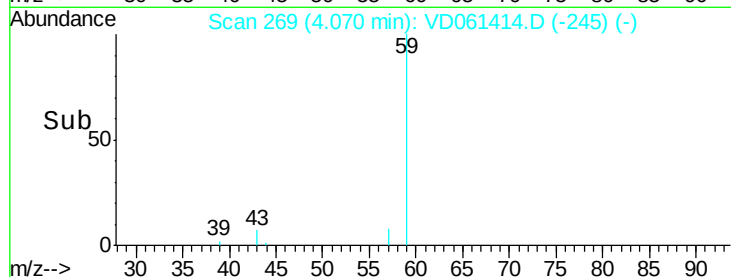
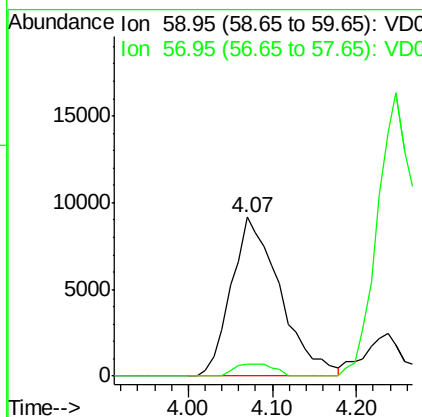
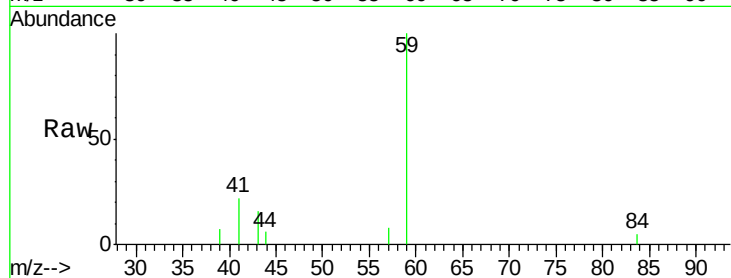


#11

Tert butyl alcohol
 Concen: 110.050 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.03 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD02

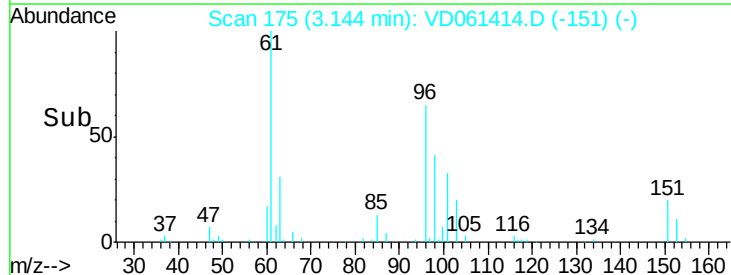
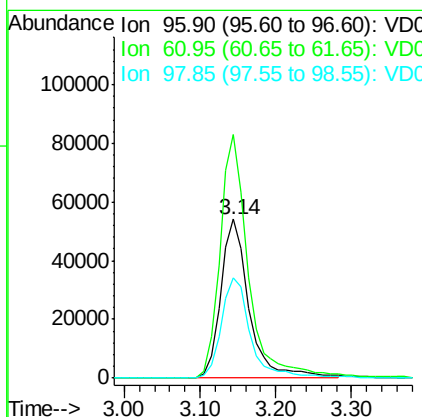
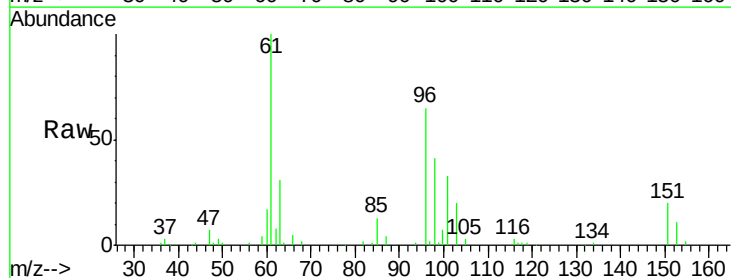
Tot Ion: 59 Resp: 37184
 Ion Ratio Lower Upper
 59 100
 57 7.7 6.7 10.1

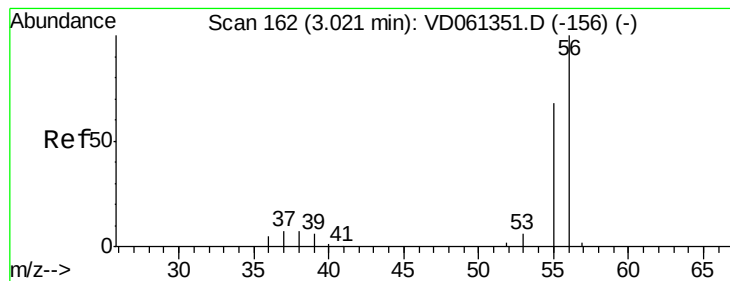


#12

1,1-Dichloroethene
 Concen: 20.706 ug/l
 RT: 3.14 min Scan# 175
 Delta R.T. 0.03 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Tgt Ion: 96 Resp: 141157
 Ion Ratio Lower Upper
 96 100
 61 153.3 124.9 187.3
 98 63.0 52.5 78.7





#13

Acrolein

Concen: 111.084 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.03 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

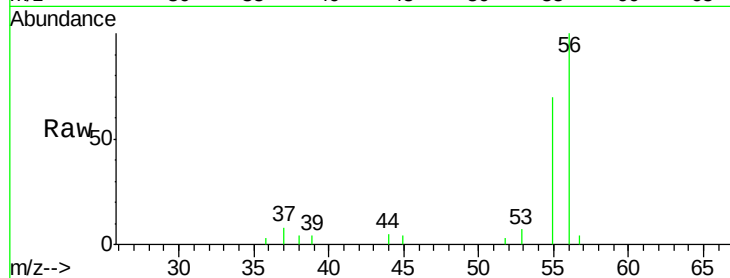
VD0328SBSD02

Tot Ion: 56 Resp: 31875

Ion Ratio Lower Upper

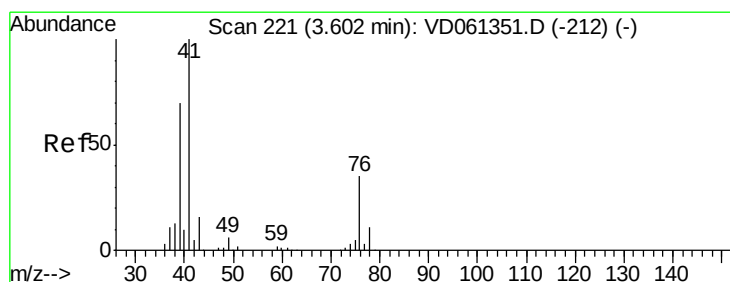
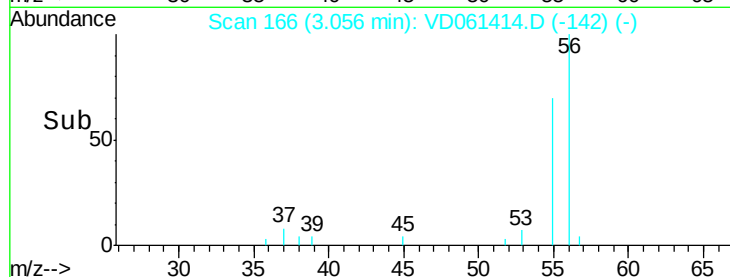
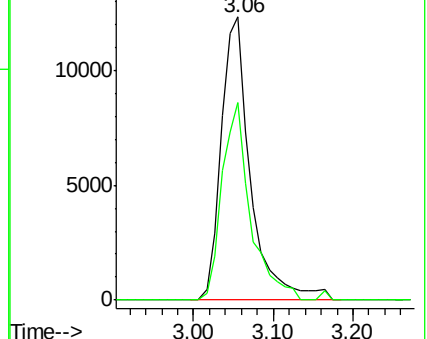
56 100

55 69.8 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.339 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.03 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

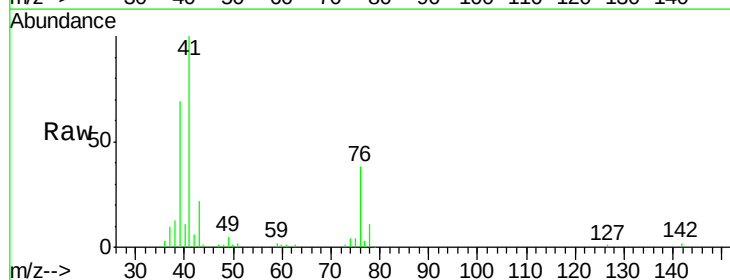
Tgt Ion: 41 Resp: 202898

Ion Ratio Lower Upper

41 100

39 69.5 55.6 83.4

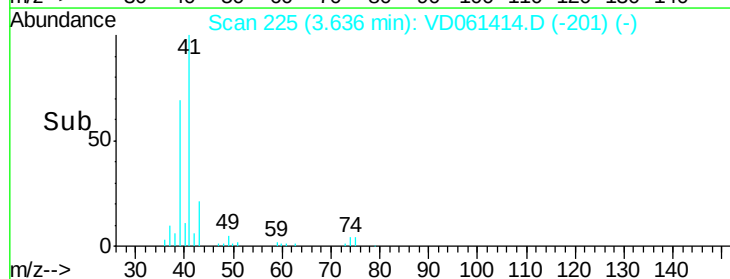
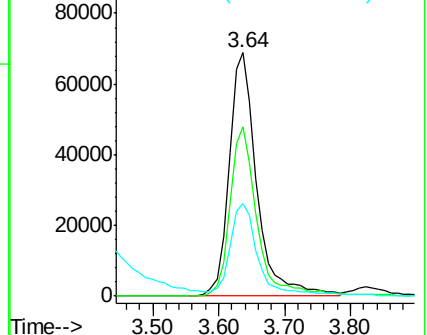
76 38.1 31.0 46.6

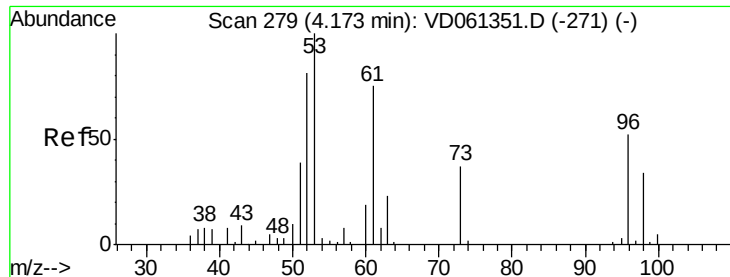


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

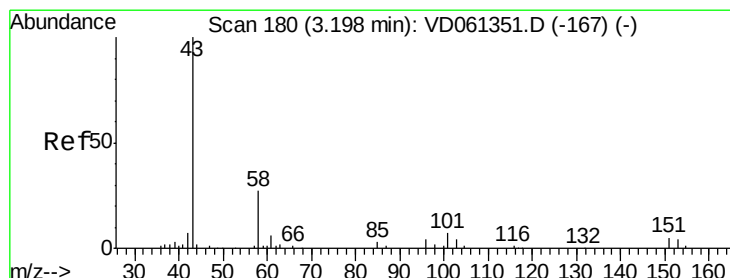
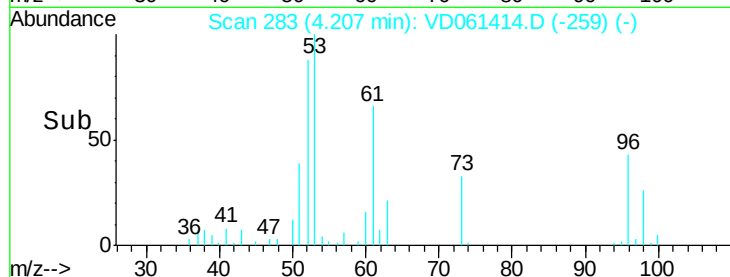
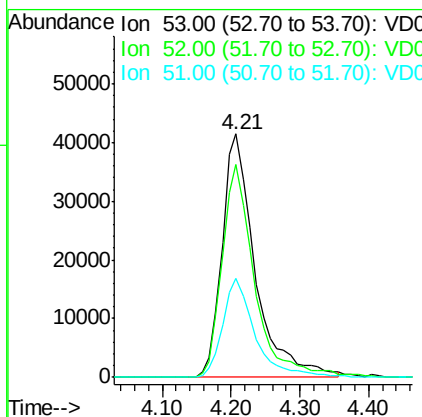
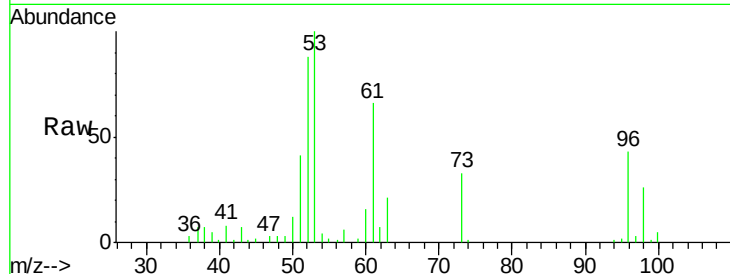




#15
Acrylonitrile
Concen: 117.836 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.03 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

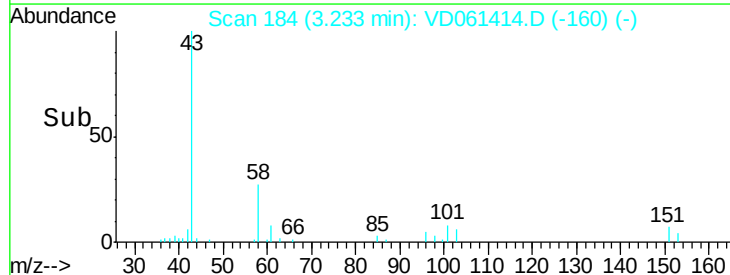
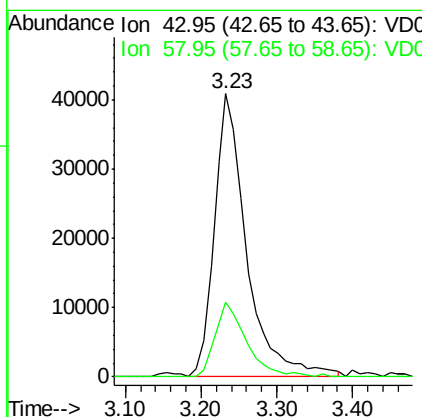
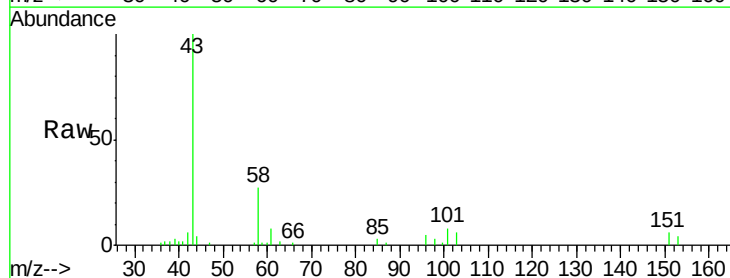
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD02

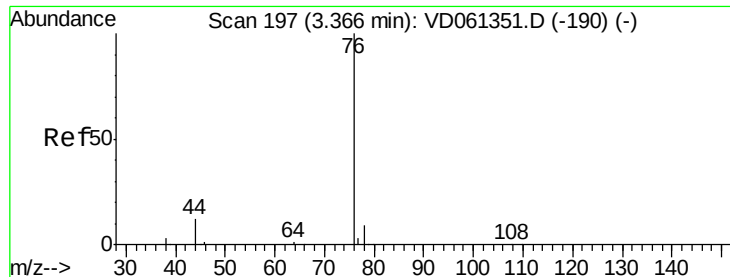
Tot Ion: 53 Resp: 138189
Ion Ratio Lower Upper
53 100
52 87.6 64.8 97.2
51 40.7 31.4 47.2



#16
Acetone
Concen: 86.931 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.03 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Tgt Ion: 43 Resp: 121244
Ion Ratio Lower Upper
43 100
58 26.6 21.5 32.3

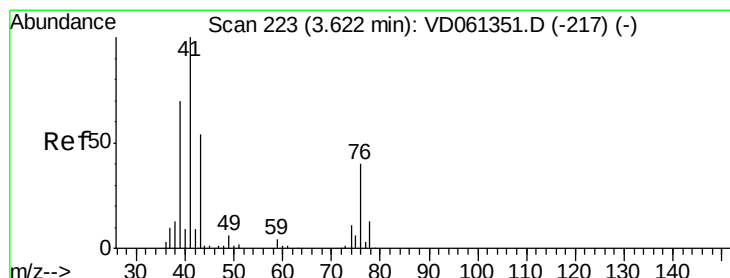
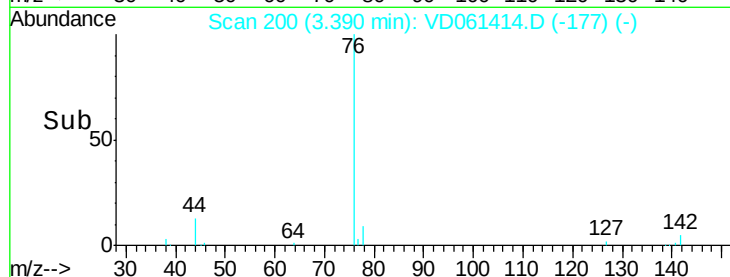
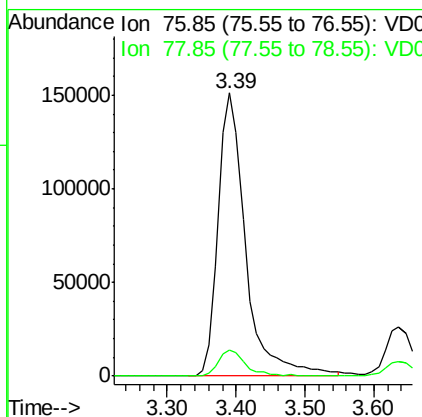
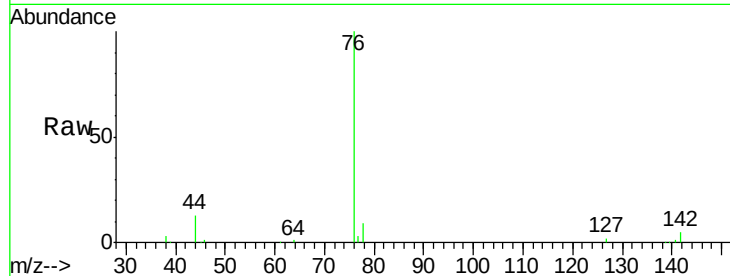




#17
Carbon Disulfide
Concen: 18.936 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.02 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

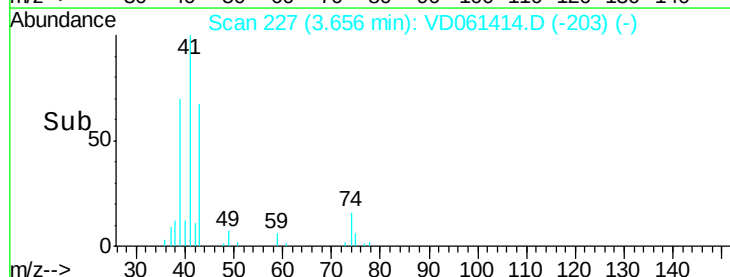
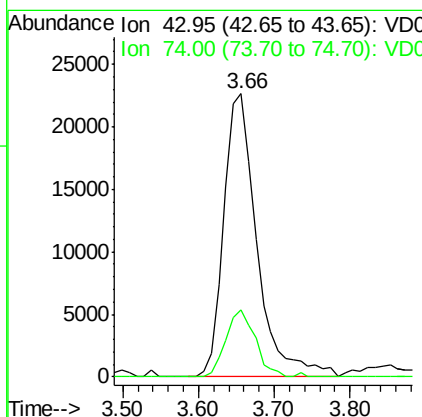
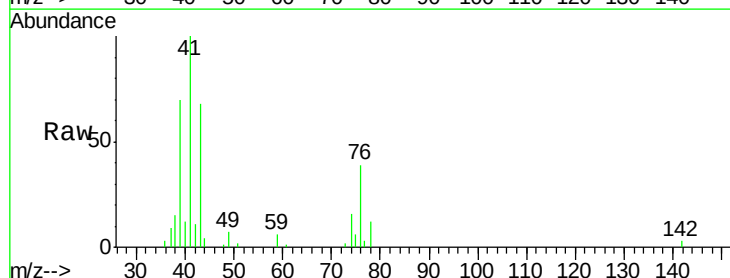
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS02

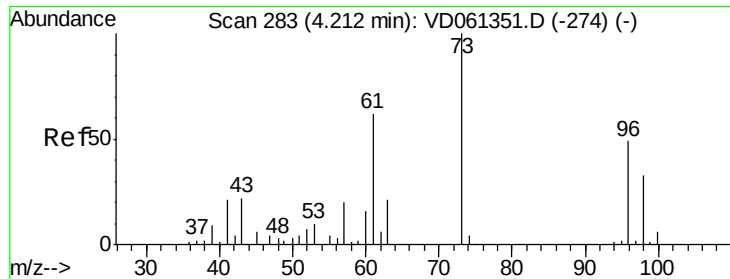
Tot Ion: 76 Resp: 419428
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 23.407 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.03 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Tgt Ion: 43 Resp: 68641
Ion Ratio Lower Upper
43 100
74 23.5 16.7 25.1

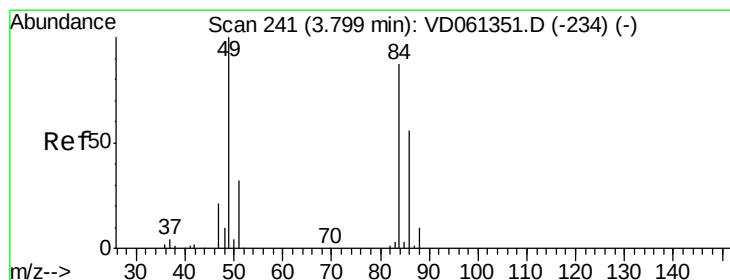
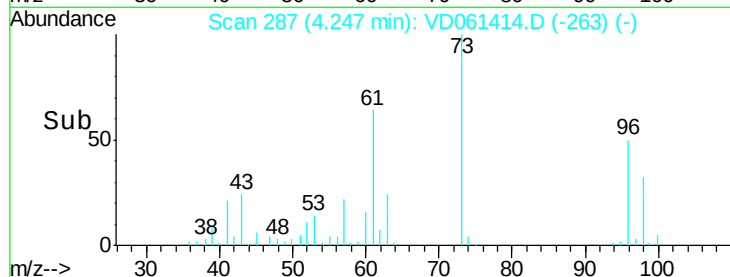
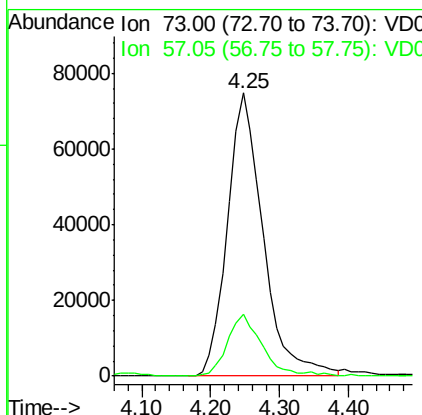
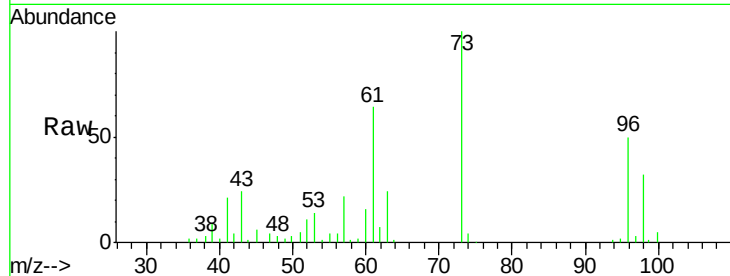




#19
Methyl tert-butyl Ether
Concen: 22.813 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.03 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

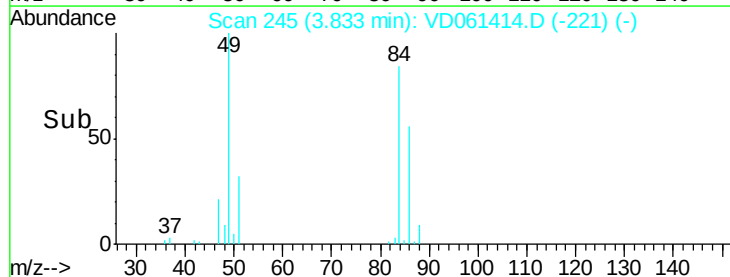
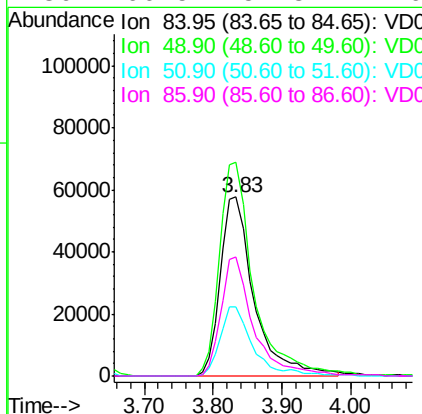
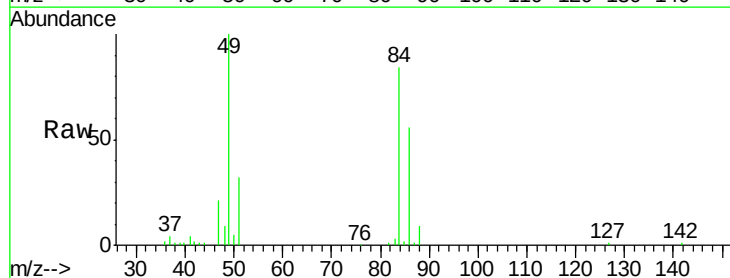
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD02

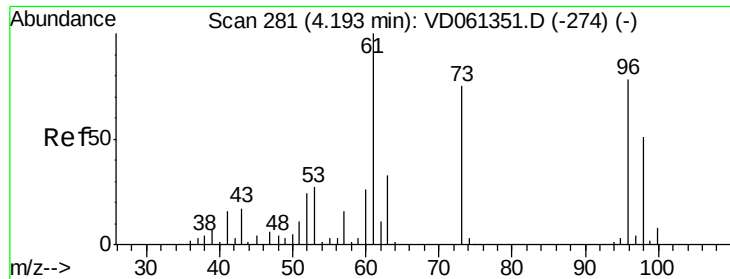
Tot Ion: 73 Resp: 269204
Ion Ratio Lower Upper
73 100
57 21.8 16.4 24.6



#20
Methylene Chloride
Concen: 24.221 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.03 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Tgt Ion: 84 Resp: 196977
Ion Ratio Lower Upper
84 100
49 119.4 91.8 137.8
51 38.5 29.8 44.8
86 66.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.809 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.04 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBSD02

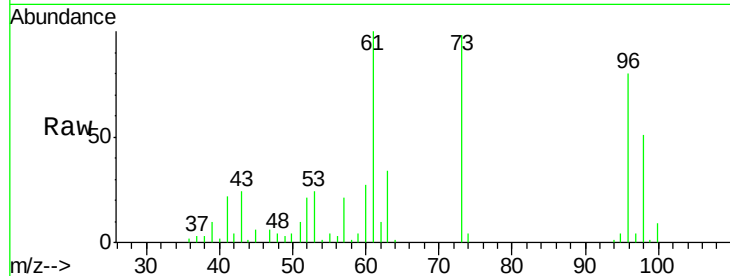
Tot Ion: 96 Resp: 160520

Ion Ratio Lower Upper

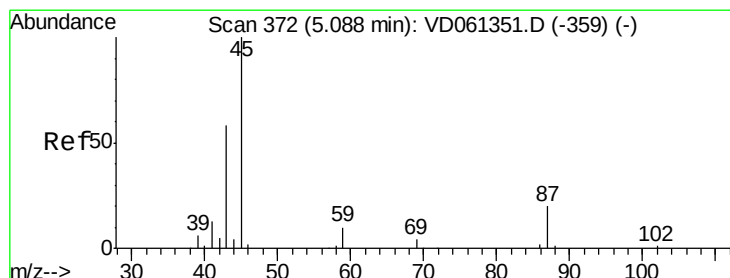
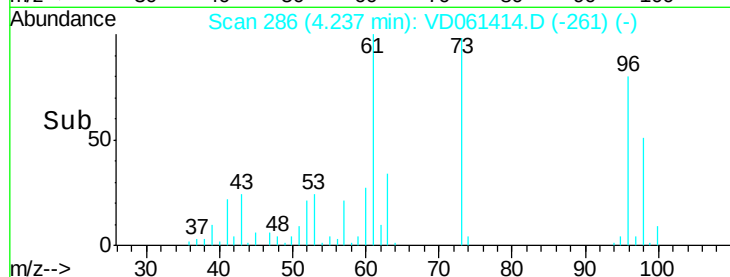
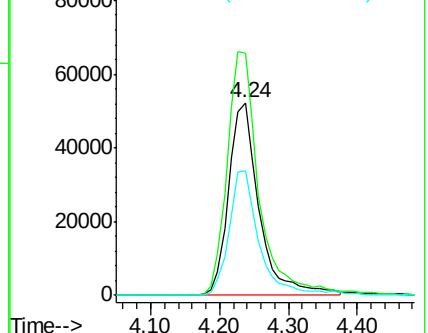
96 100

61 125.4 102.7 154.1

98 64.2 52.2 78.4



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: 21.797 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Tgt Ion: 45 Resp: 438580

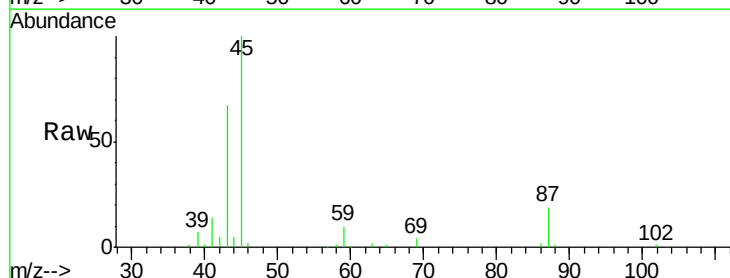
Ion Ratio Lower Upper

45 100

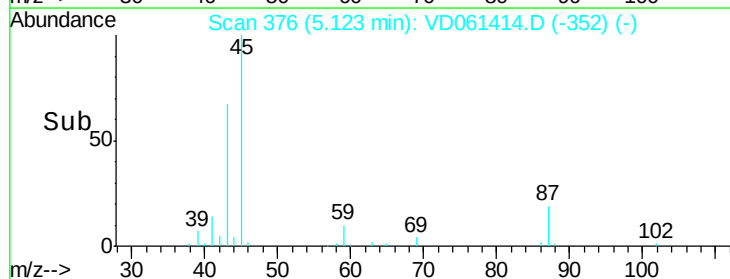
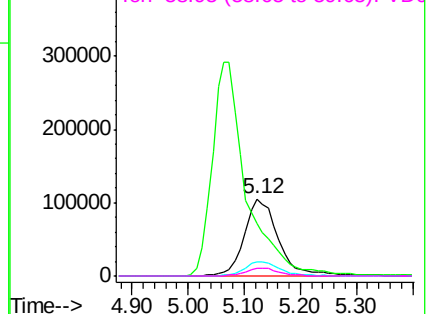
43 67.5 47.4 71.2

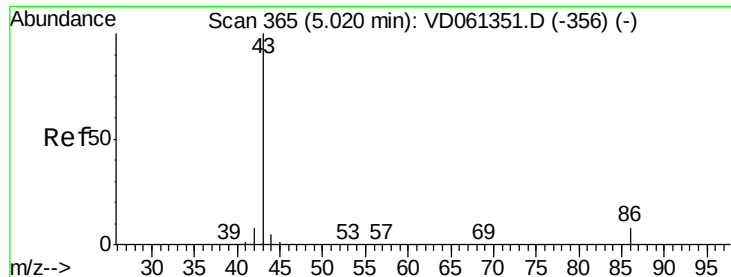
87 18.9 16.3 24.5

59 10.1 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: 110.750 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.04 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

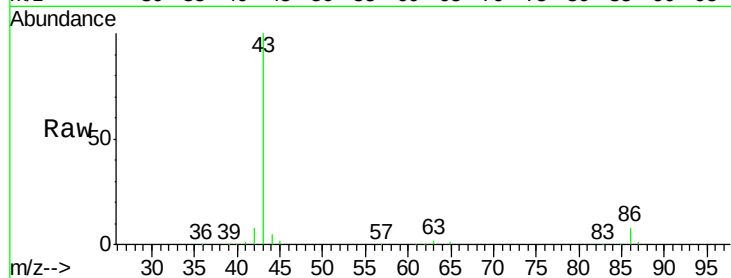
VD0328SBSD02

Tot Ion: 43 Resp: 1210475

Ion Ratio Lower Upper

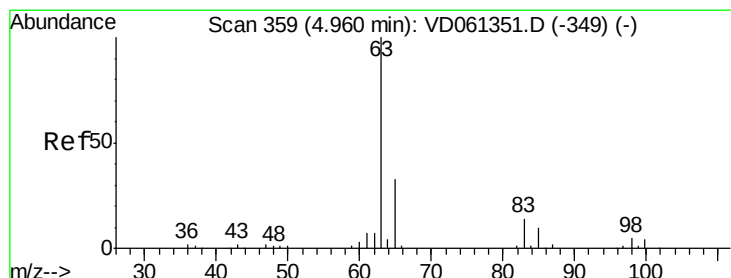
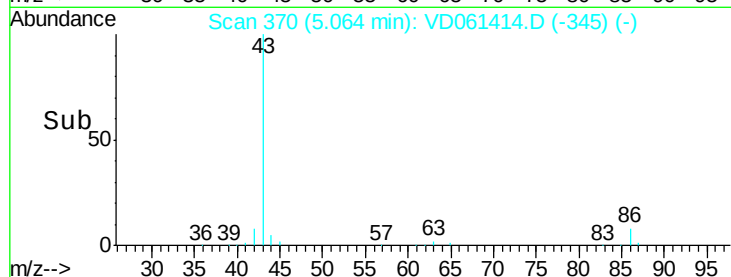
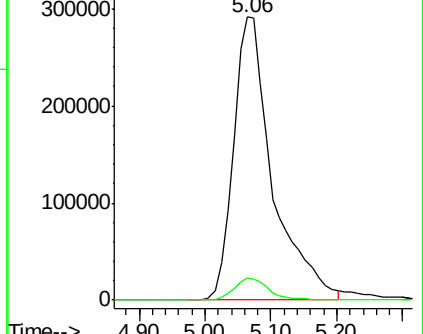
43 100

86 7.9 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.093 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

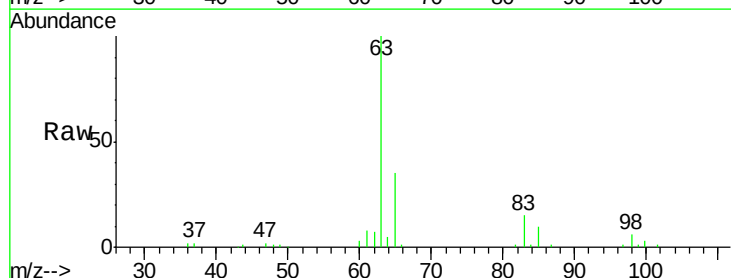
Tgt Ion: 63 Resp: 249426

Ion Ratio Lower Upper

63 100

98 6.3 2.6 8.0

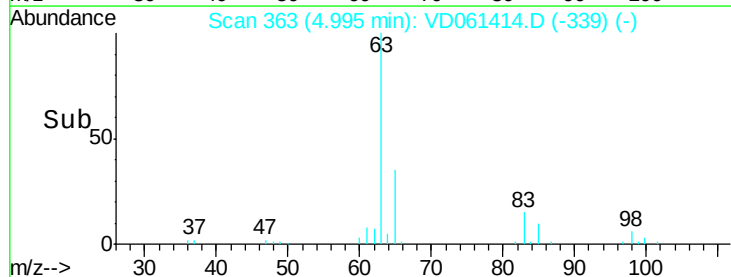
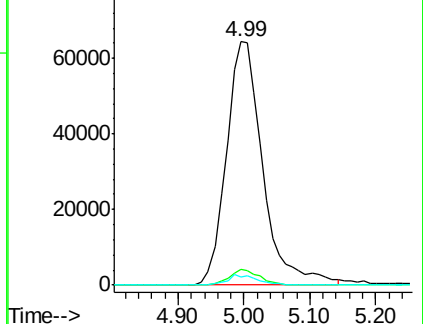
100 3.5 1.8 5.3

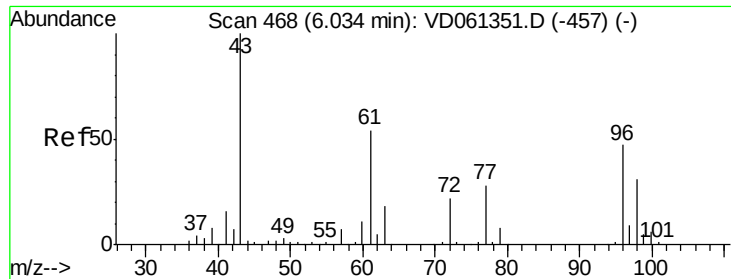


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 97.491 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

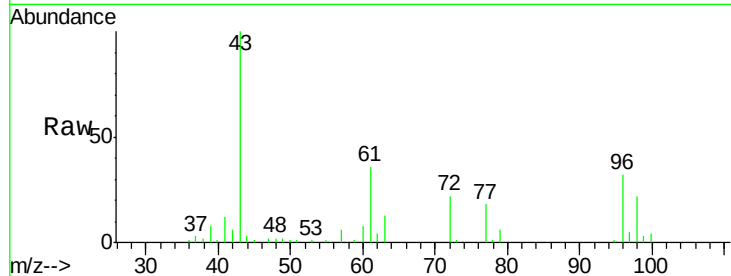
VD0328SBS02

Tot Ion: 43 Resp: 171041

Ion Ratio Lower Upper

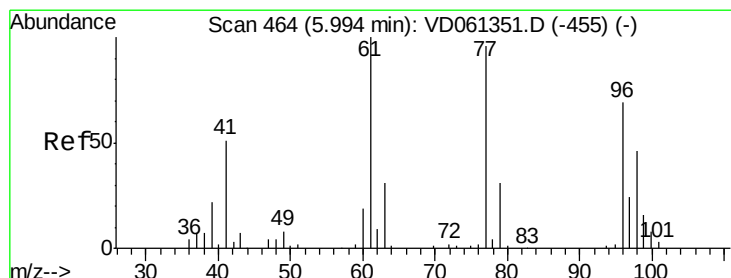
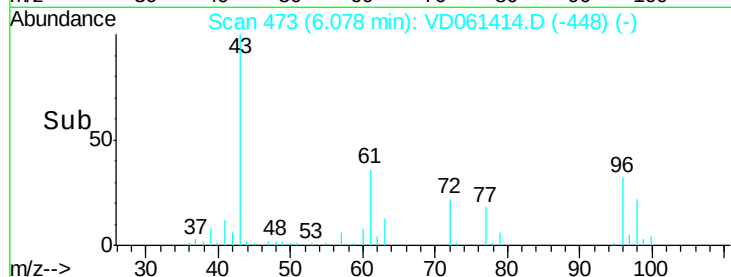
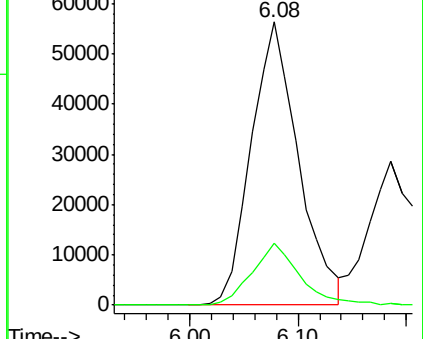
43 100

72 21.9 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.567 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD061414.D

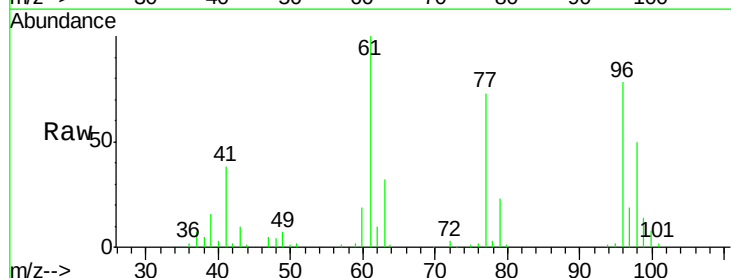
Acq: 29 Mar 2019 4:19

Tgt Ion: 77 Resp: 174531

Ion Ratio Lower Upper

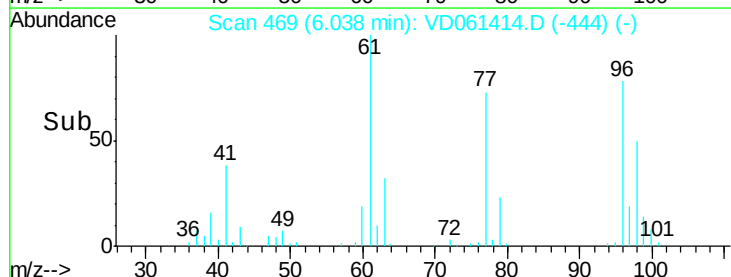
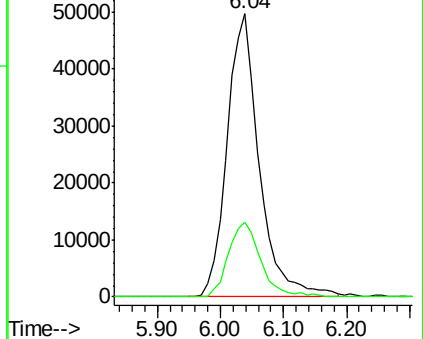
77 100

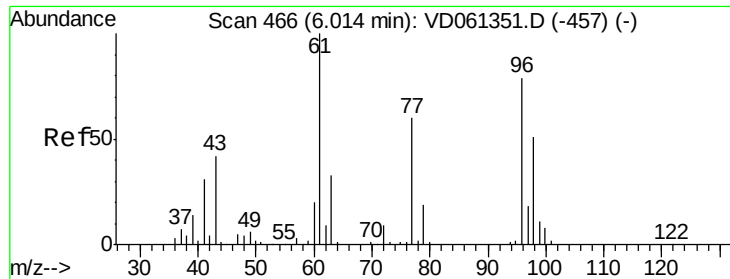
97 26.3 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



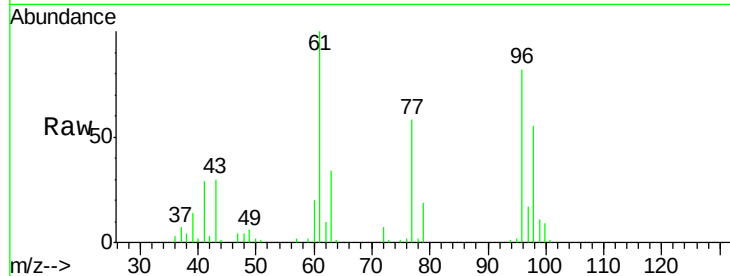


#27

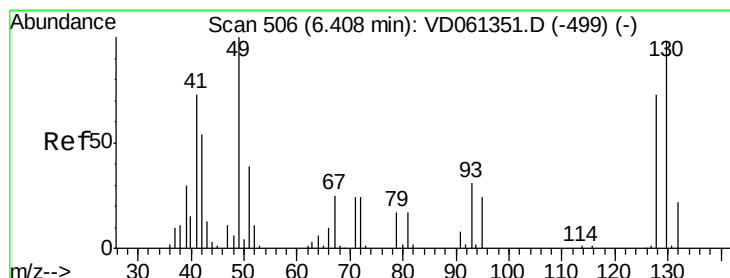
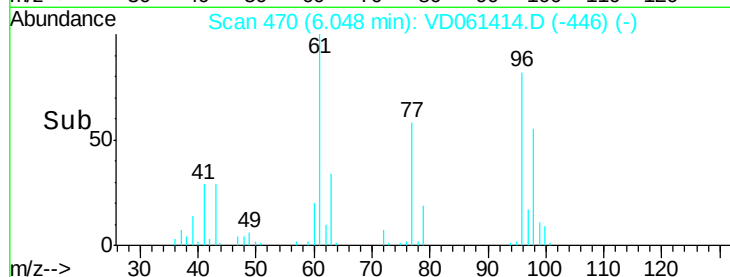
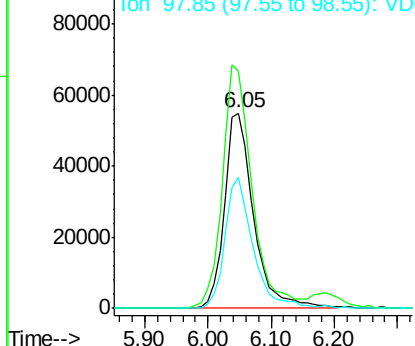
cis-1,2-Dichloroethene
 Concen: 21.730 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.03 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.3	0.0	251.6
98	66.8	0.0	129.2



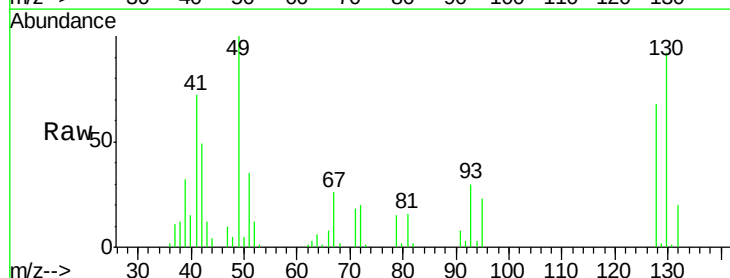
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



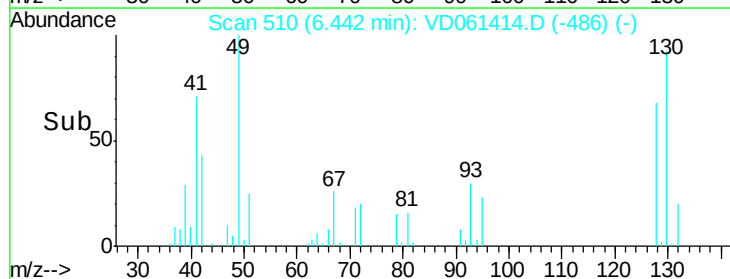
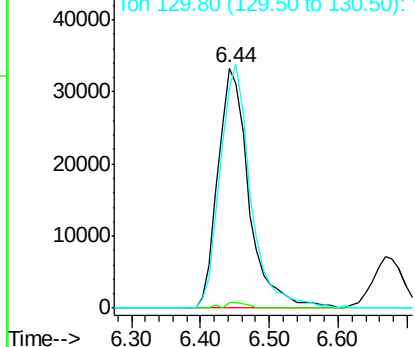
#28

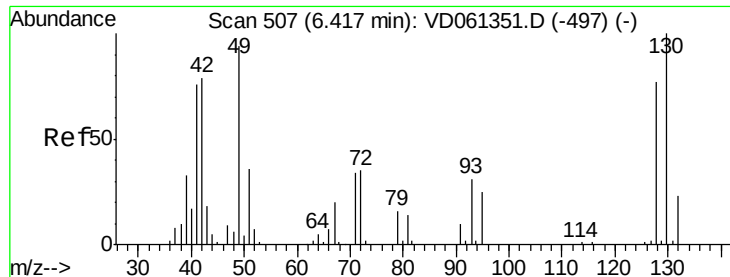
Bromochloromethane
 Concen: 21.848 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. 0.03 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	0.0#
130	92.1	78.4	117.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

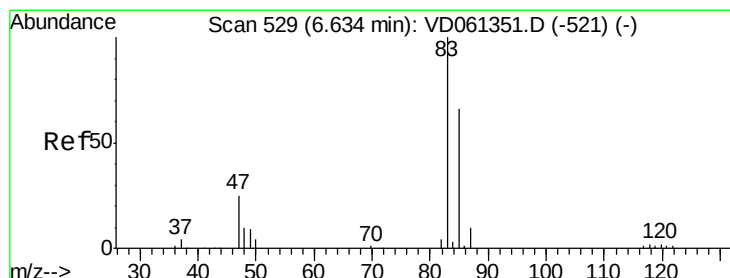
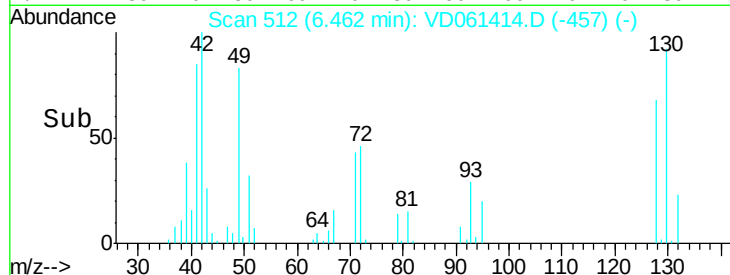
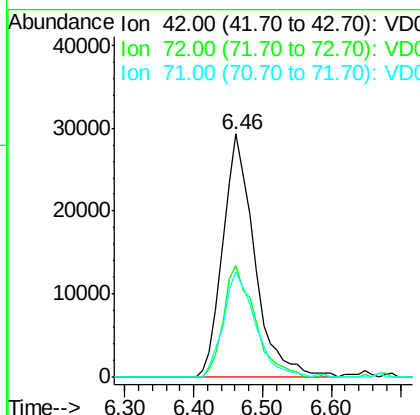
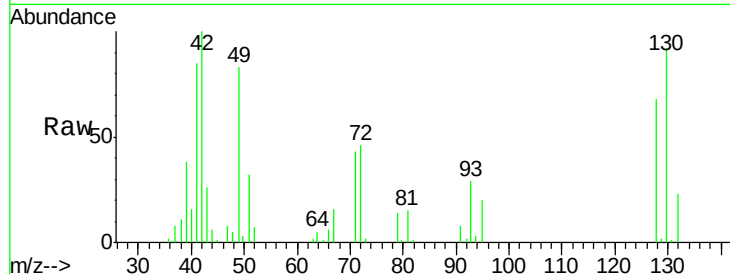




#29
Tetrahydrofuran
Concen: 110.614 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

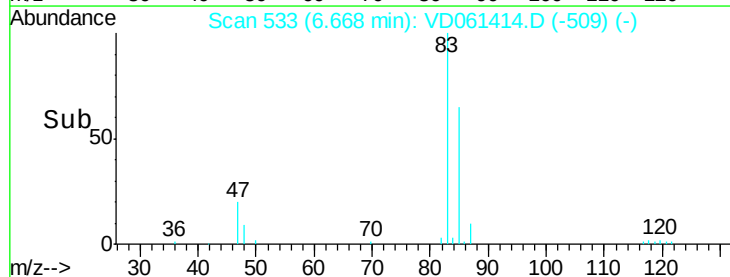
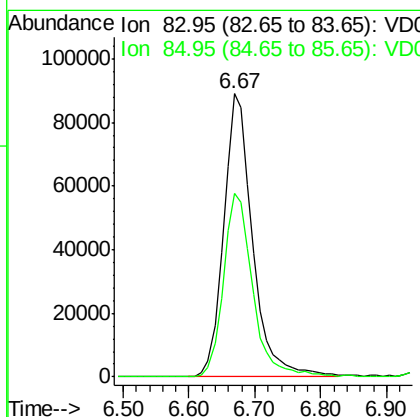
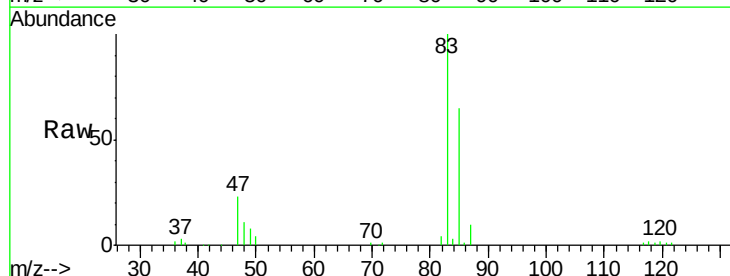
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD02

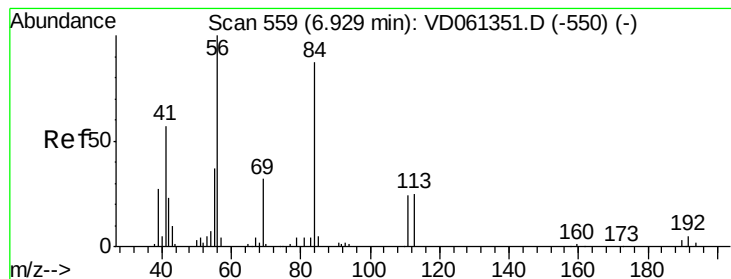
Tot Ion: 42 Resp: 94062
Ion Ratio Lower Upper
42 100
72 45.2 37.4 56.0
71 43.4 36.7 55.1



#30
Chloroform
Concen: 22.320 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.03 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Tgt Ion: 83 Resp: 272720
Ion Ratio Lower Upper
83 100
85 64.7 53.0 79.4





#31

Cyclohexane

Concen: 20.439 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.03 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBSD02

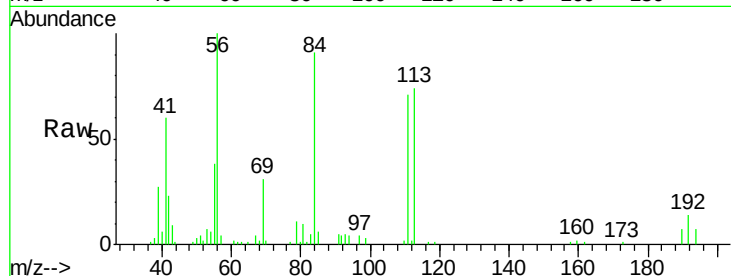
Tot Ion: 56 Resp: 190996

Ion Ratio Lower Upper

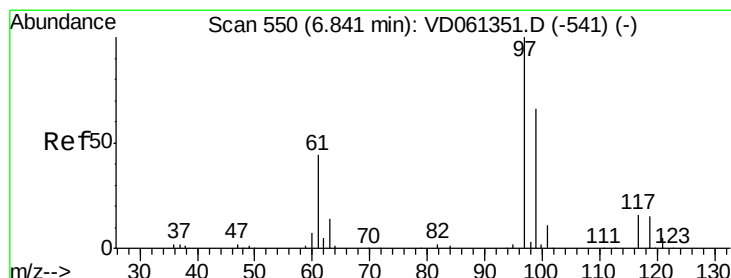
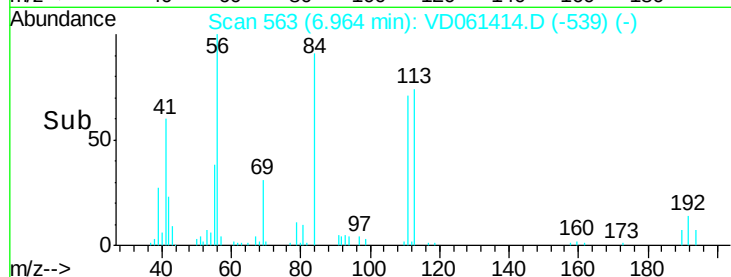
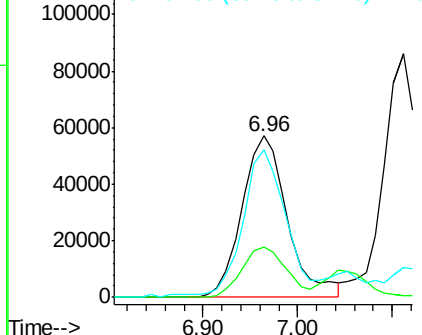
56 100

69 31.5 25.7 38.5

84 91.4 70.6 105.8



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 21.353 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.03 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

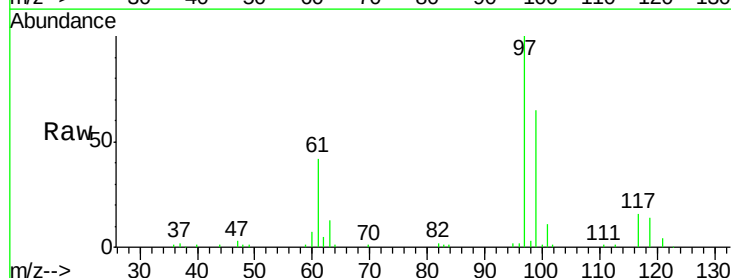
Tgt Ion: 97 Resp: 230177

Ion Ratio Lower Upper

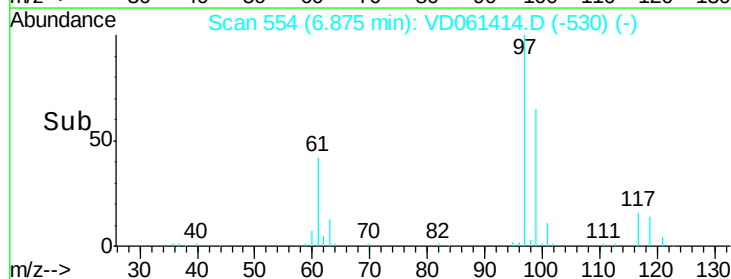
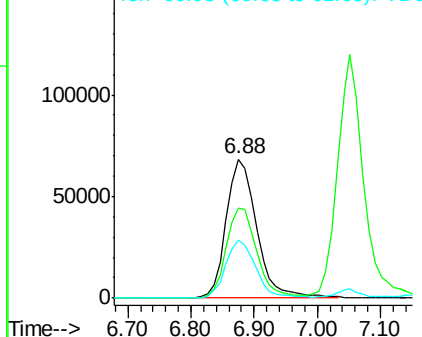
97 100

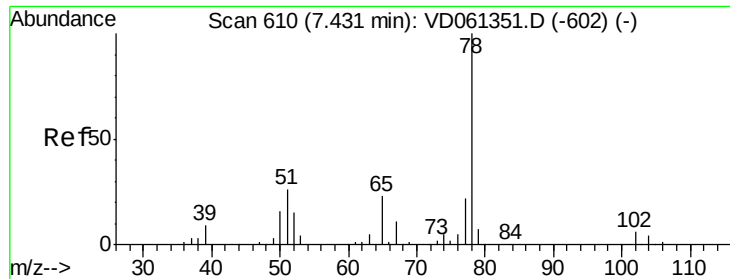
99 64.8 53.1 79.7

61 42.1 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 21.353 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

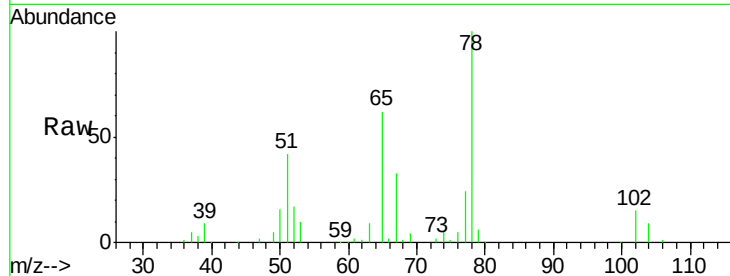
VD0328SBSD02

Tot Ion: 65 Resp: 288902

Ion Ratio Lower Upper

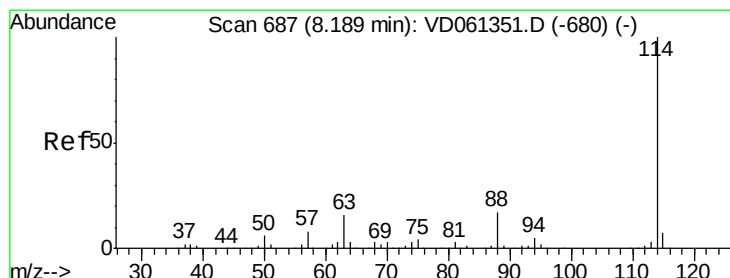
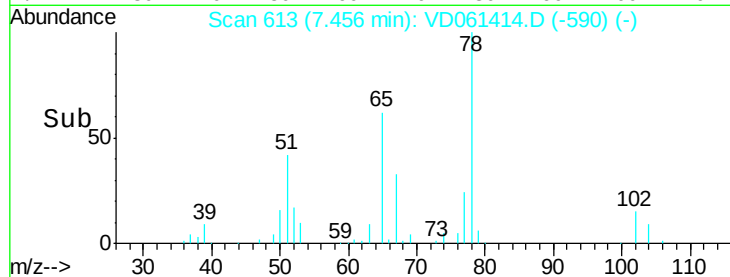
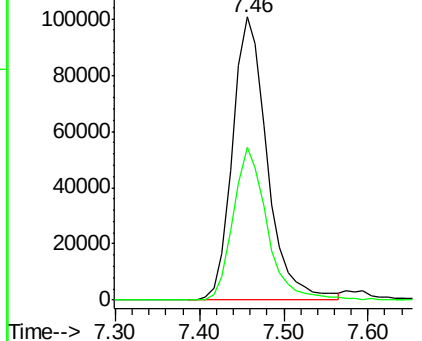
65 100

67 54.1 0.0 99.8



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. 0.03 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

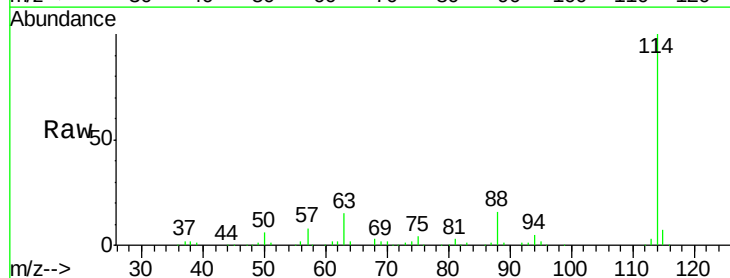
Tgt Ion: 114 Resp: 1047592

Ion Ratio Lower Upper

114 100

63 15.2 0.0 31.6

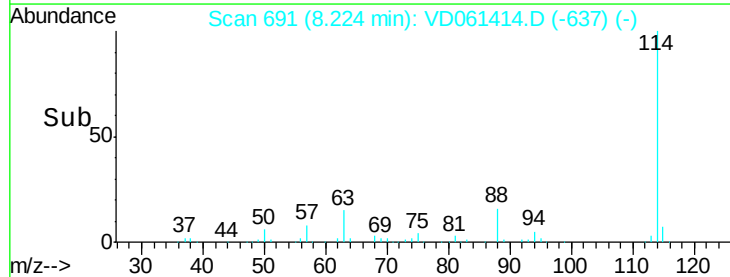
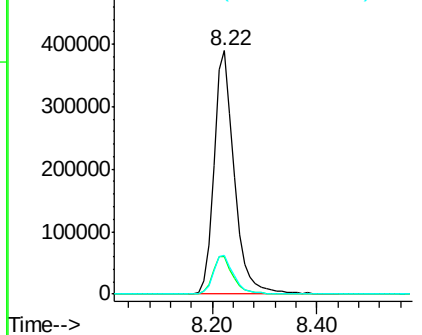
88 15.8 0.0 33.4

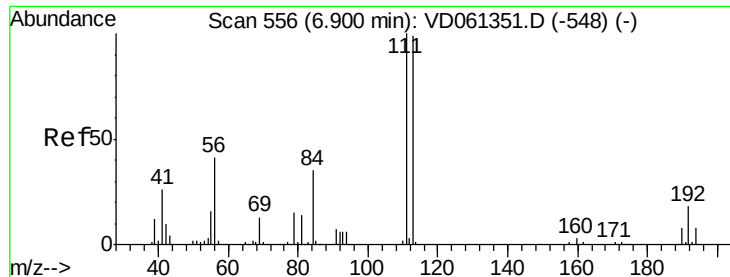


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

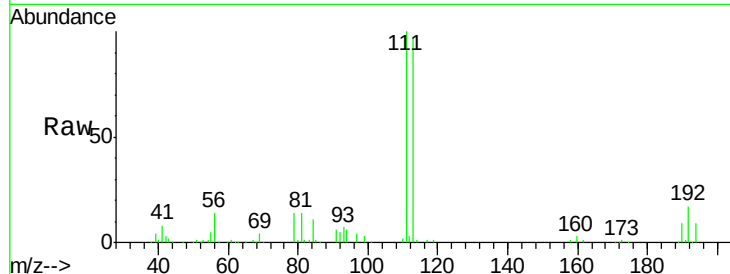




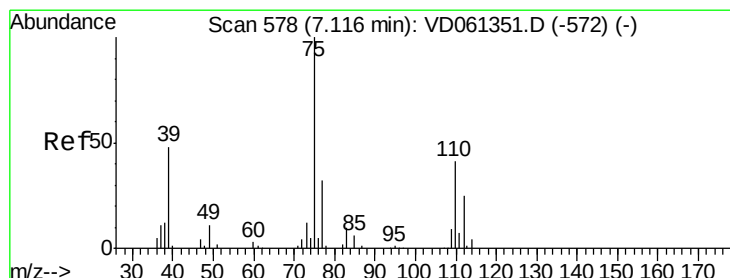
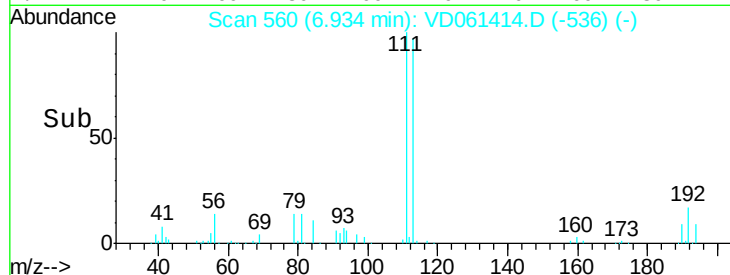
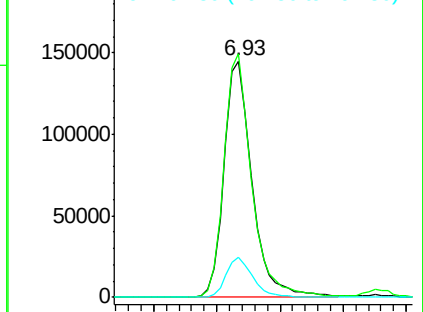
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD02

Tot Ion:113 Resp: 446794
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.0 121.6
 192 17.2 14.4 21.6

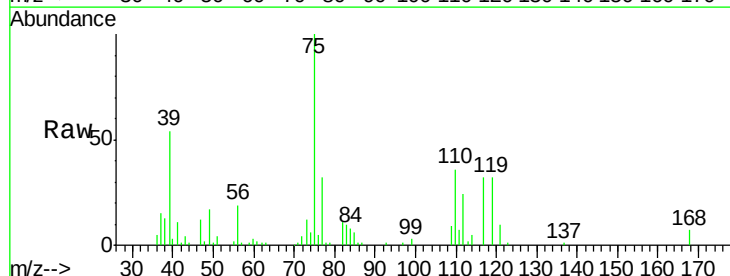


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

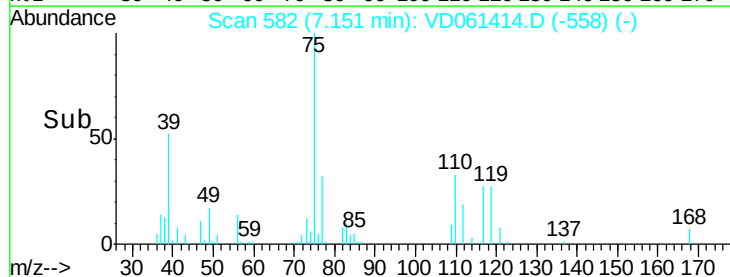
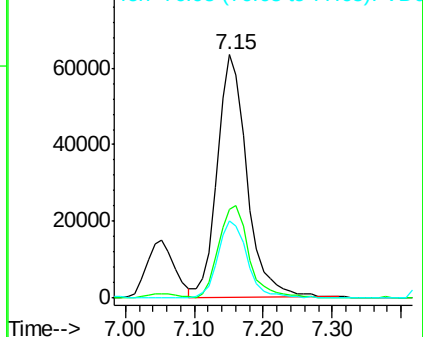


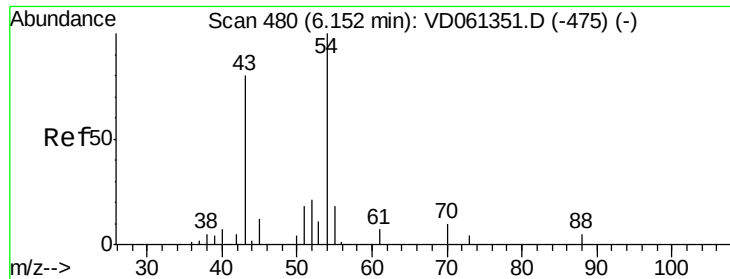
#36
 1,1-Dichloropropene
 Concen: 20.594 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.03 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Tgt Ion: 75 Resp: 188289
 Ion Ratio Lower Upper
 75 100
 110 36.5 20.4 61.3
 77 31.6 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

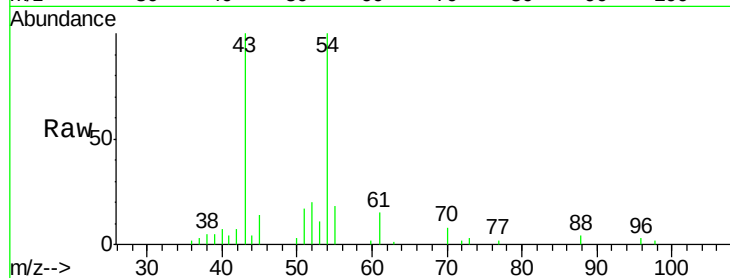




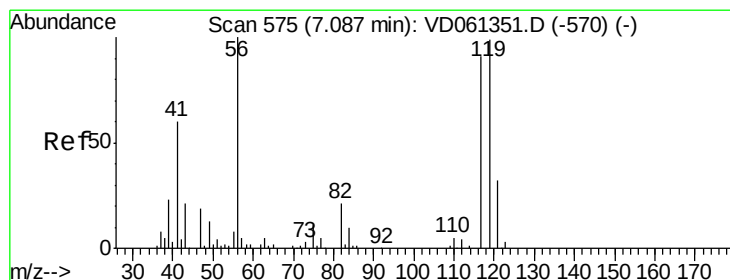
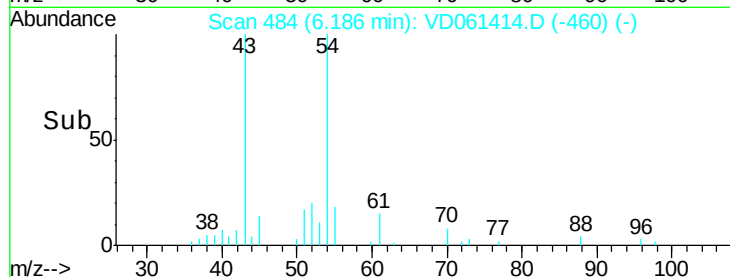
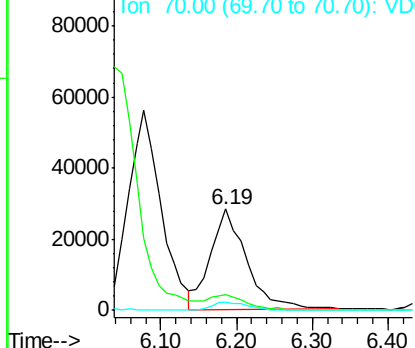
#37
Ethyl Acetate
Concen: 23.772 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD02

Tot Ion: 43 Resp: 92954
Ion Ratio Lower Upper
43 100
61 15.2 13.8 20.8
70 8.5 7.8 11.8

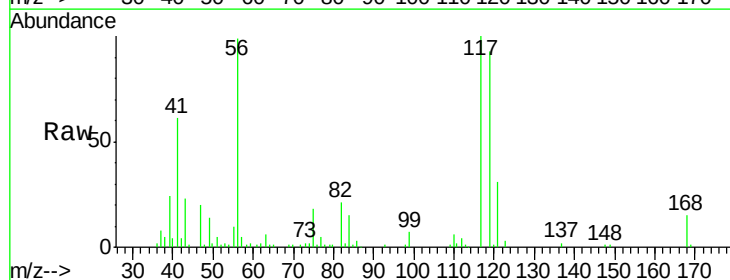


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

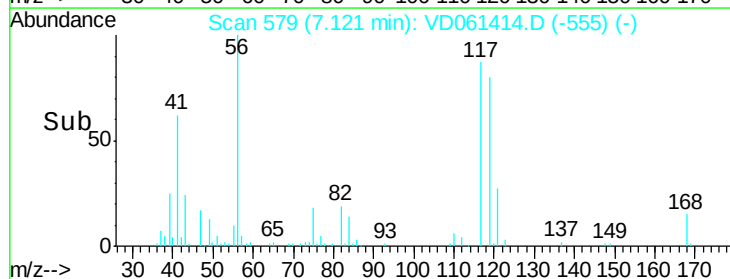
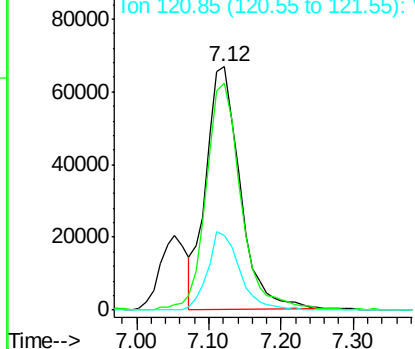


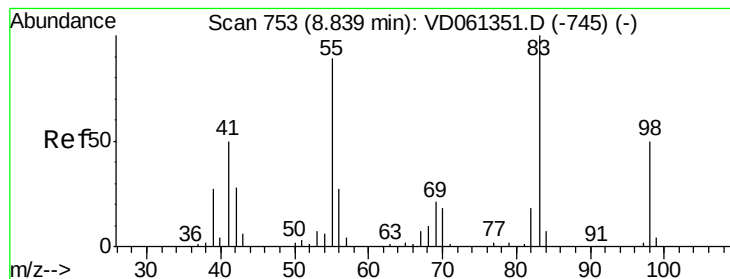
#38
Carbon Tetrachloride
Concen: 20.746 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.03 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Tgt Ion: 117 Resp: 217964
Ion Ratio Lower Upper
117 100
119 93.1 80.1 120.1
121 30.5 25.6 38.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methylvlcyclohexane

Concen: 20.358 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.03 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS02

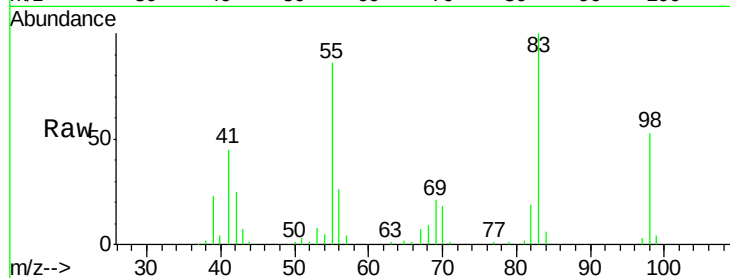
Tot Ion: 83 Resp: 193859

Ion Ratio Lower Upper

83 100

55 85.9 71.5 107.3

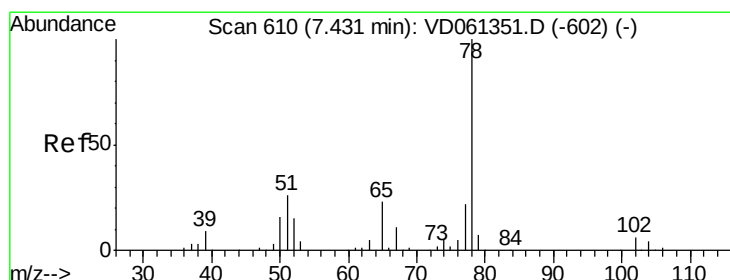
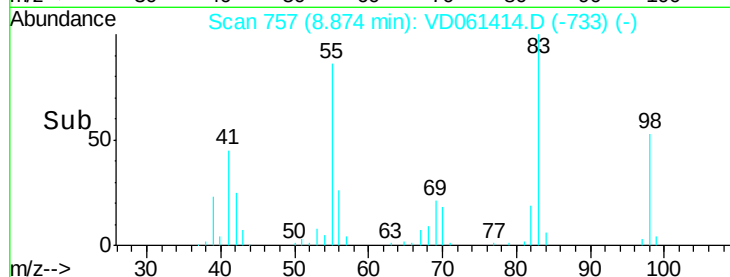
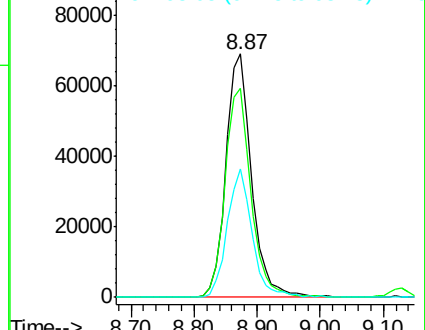
98 52.8 40.3 60.5



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: 21.722 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061414.D

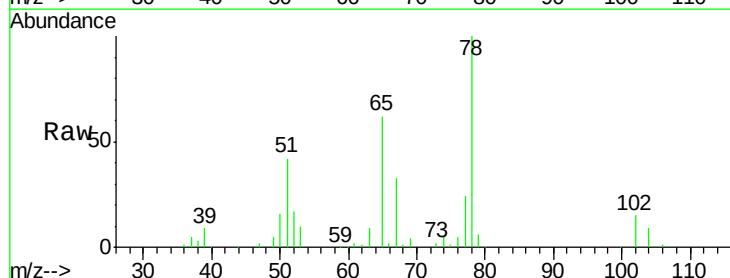
Acq: 29 Mar 2019 4:19

Tgt Ion: 78 Resp: 498447

Ion Ratio Lower Upper

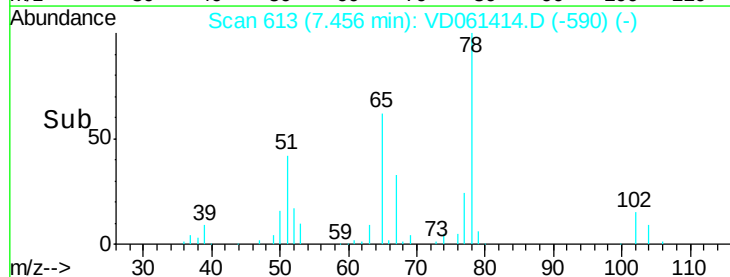
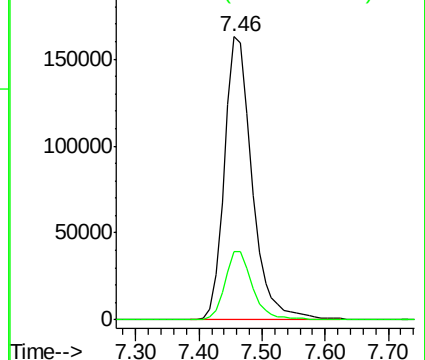
78 100

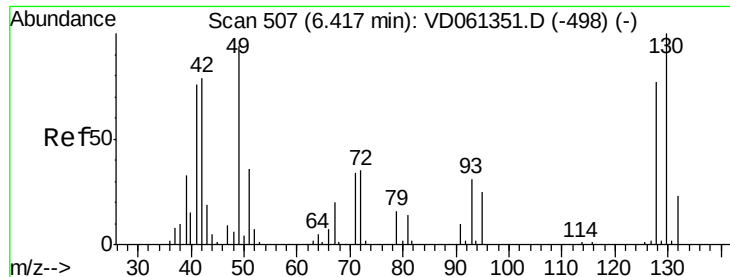
77 24.0 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

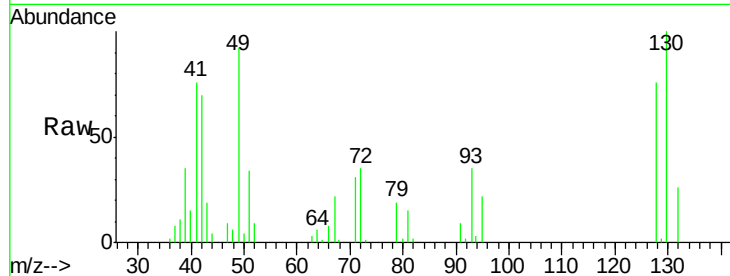




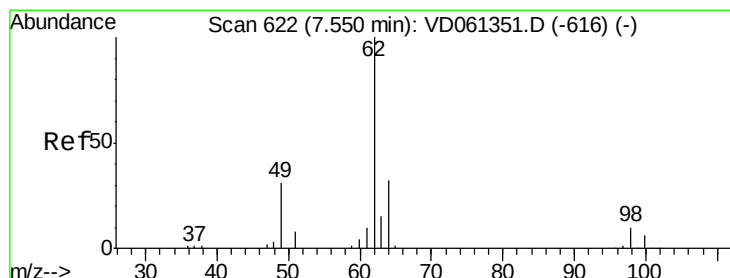
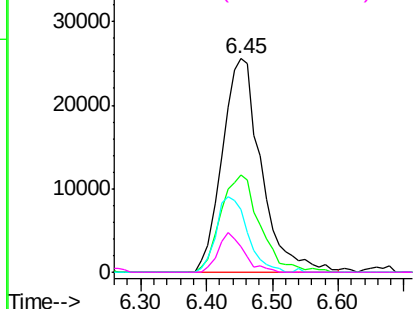
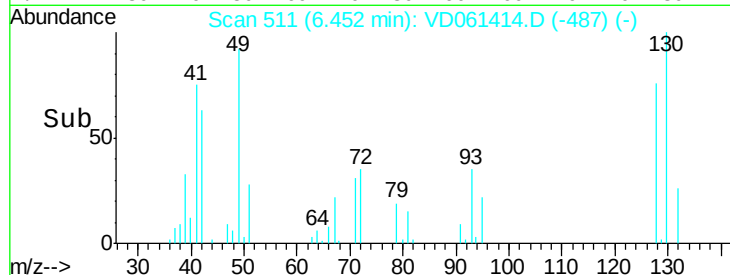
#41
Methacrylonitrile
Concen: 23.136 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD02

Tot Ion: 41 Resp: 105781
Ion Ratio Lower Upper
41 100
39 45.7 35.0 52.6
67 29.4 21.0 31.6
52 11.9 7.7 11.5#

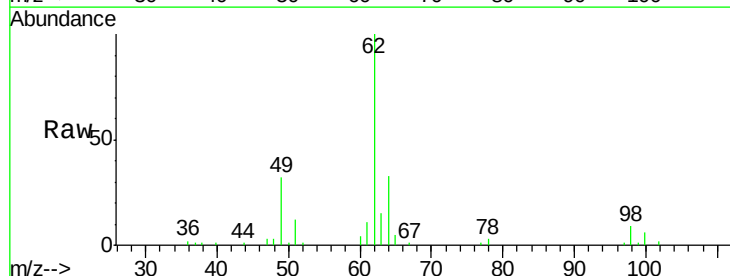


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

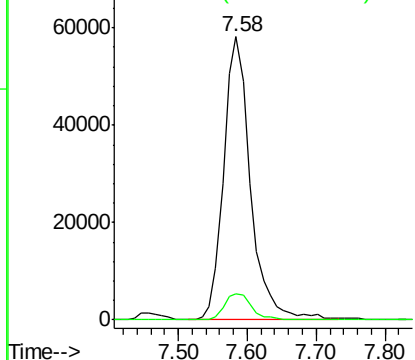
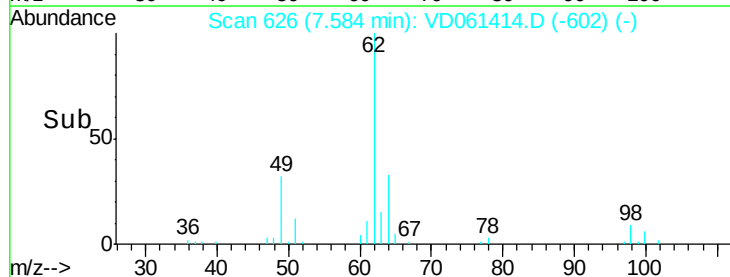


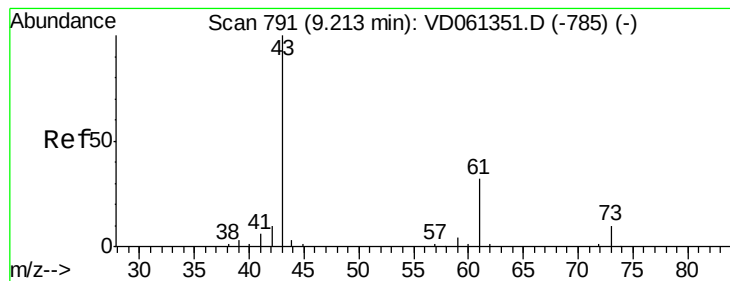
#42
1,2-Dichloroethane
Concen: 22.941 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Tgt Ion: 62 Resp: 157463
Ion Ratio Lower Upper
62 100
98 9.4 0.0 19.8



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





#43

Isopropyl Acetate

Concen: 22.865 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS02

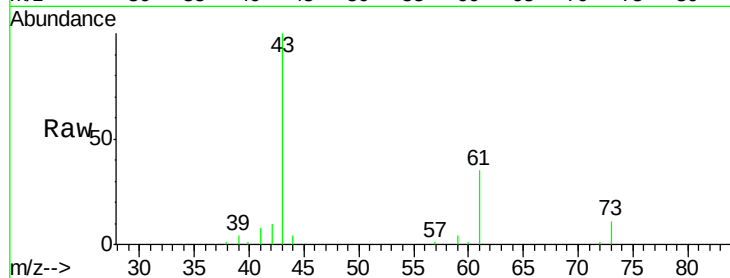
Tot Ion: 43 Resp: 130090

Ion Ratio Lower Upper

43 100

61 34.6 25.8 38.6

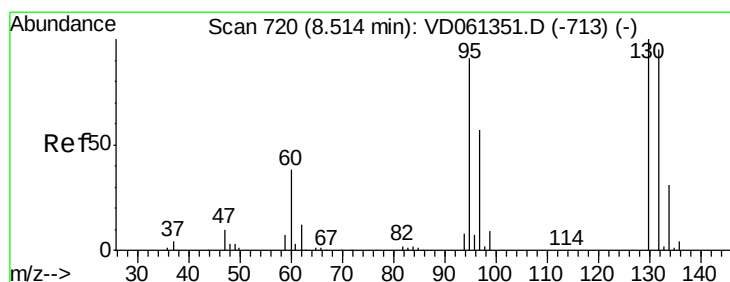
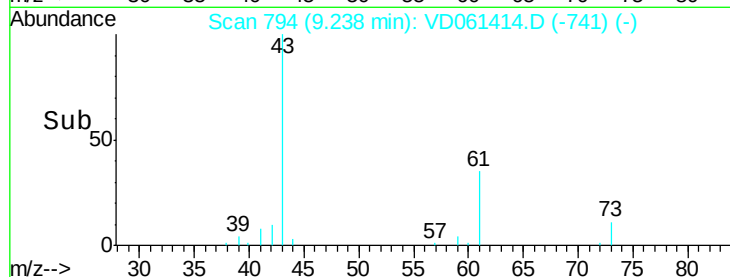
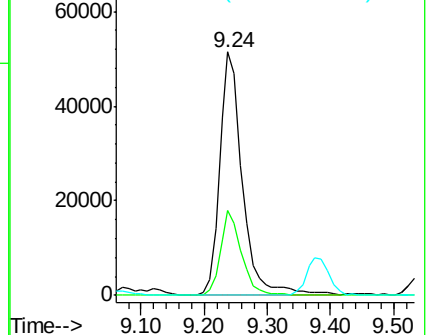
87 0.0 0.0 0.0



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: 21.735 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.02 min

Lab File: VD061414.D

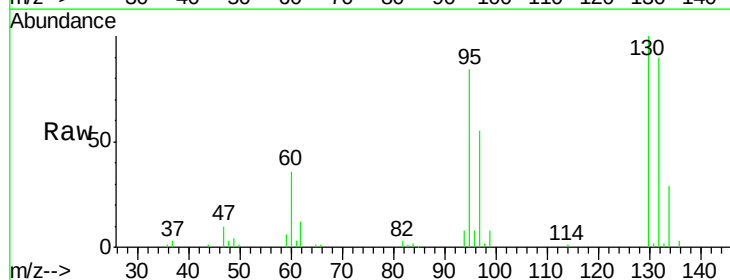
Acq: 29 Mar 2019 4:19

Tgt Ion:130 Resp: 185607

Ion Ratio Lower Upper

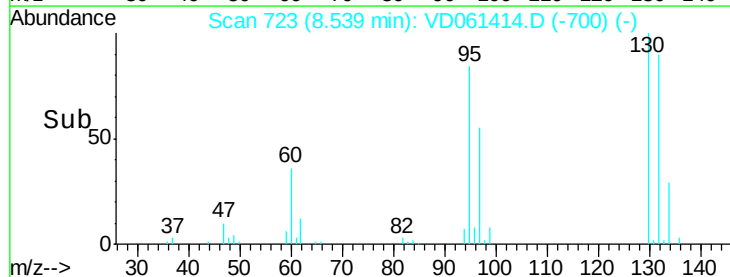
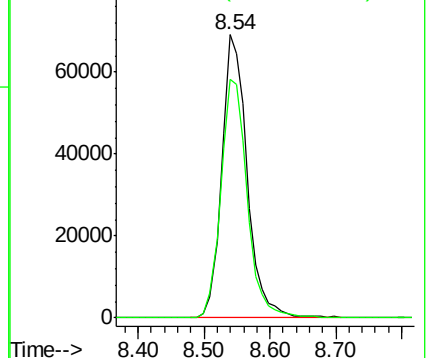
130 100

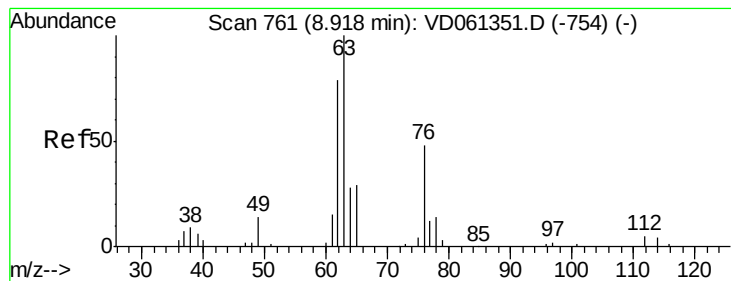
95 84.1 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.764 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

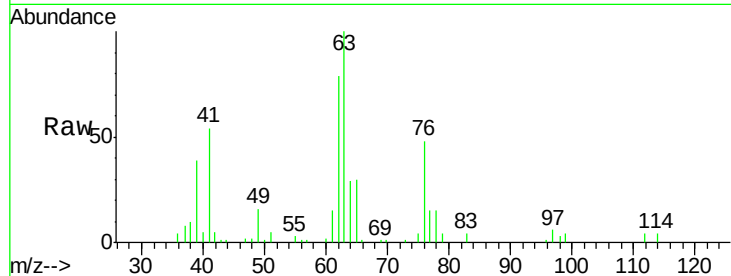
VD0328SBSD02

Tot Ion: 63 Resp: 132454

Ion Ratio Lower Upper

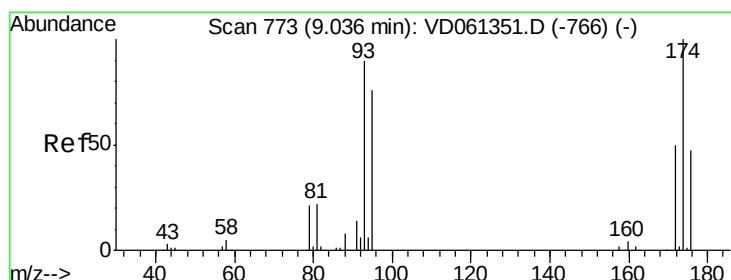
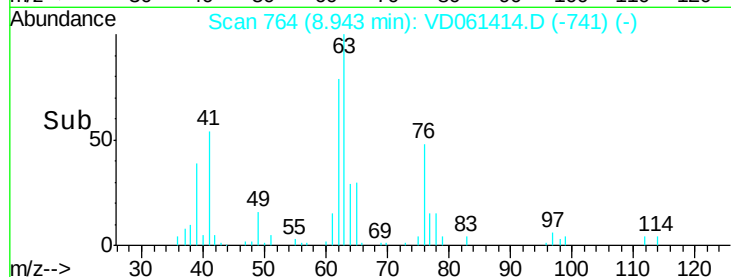
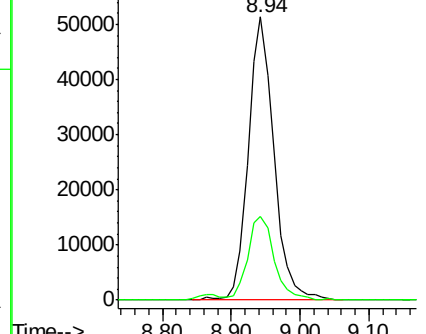
63 100

65 29.7 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 23.552 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.02 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

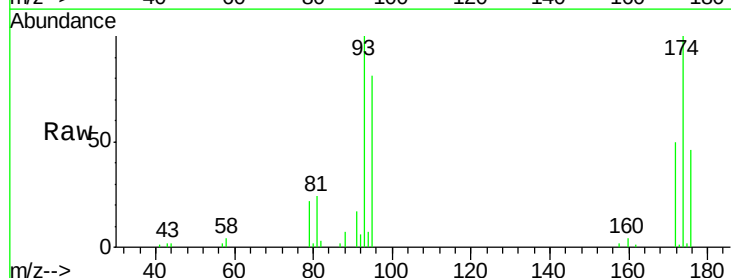
Tgt Ion: 93 Resp: 92240

Ion Ratio Lower Upper

93 100

95 81.5 67.4 101.0

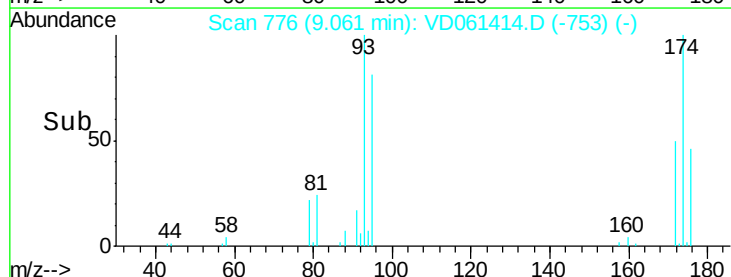
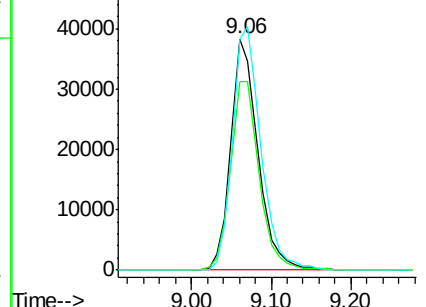
174 100.2 88.9 133.3

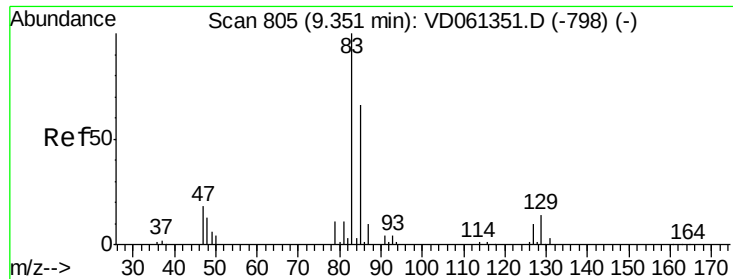


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 22.105 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBSD02

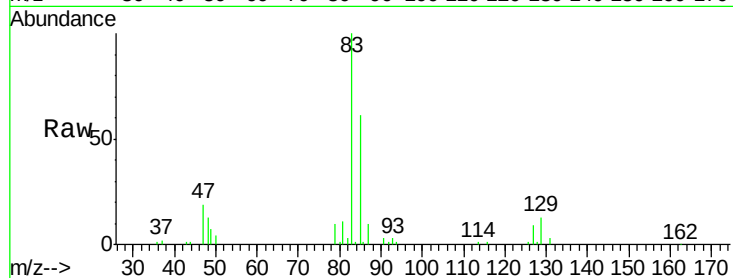
Tot Ion: 83 Resp: 194301

Ion Ratio Lower Upper

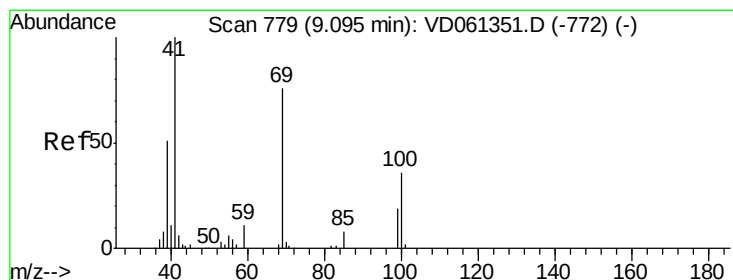
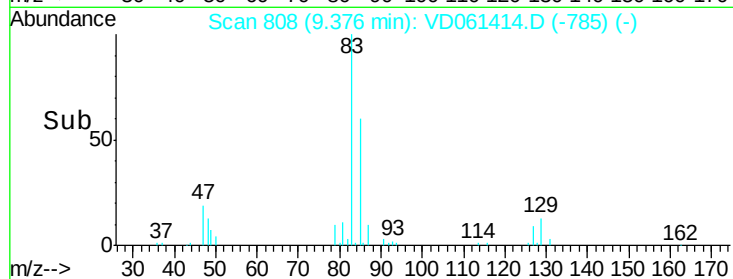
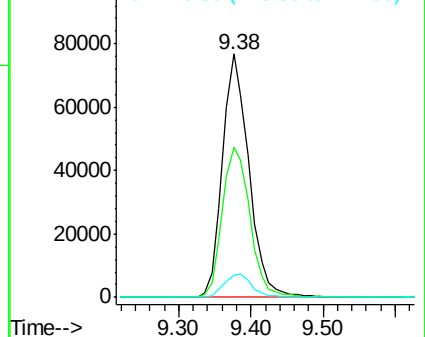
83 100

85 61.4 53.0 79.4

127 9.2 8.4 12.6



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: 22.426 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

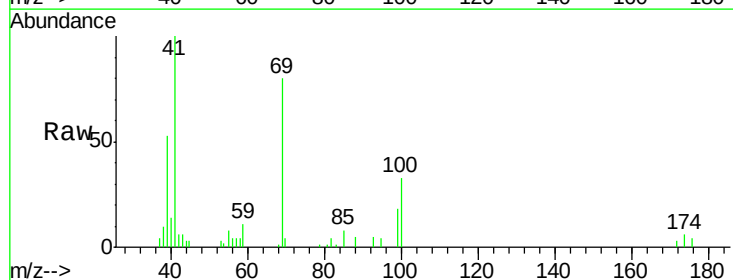
Tgt Ion: 41 Resp: 70416

Ion Ratio Lower Upper

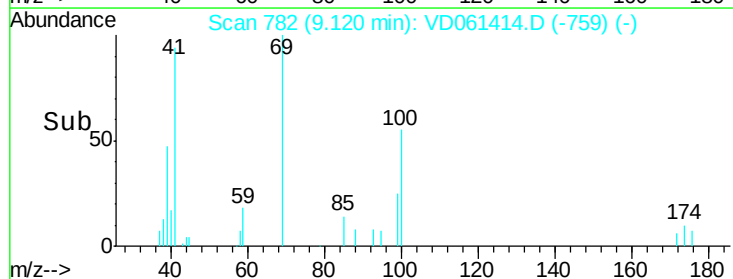
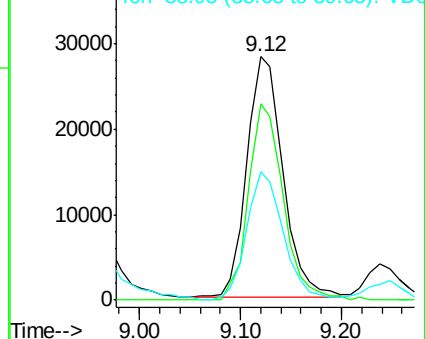
41 100

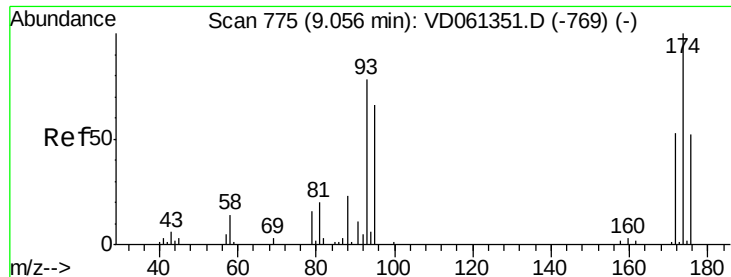
69 80.5 60.2 90.4

39 53.0 41.4 62.2



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

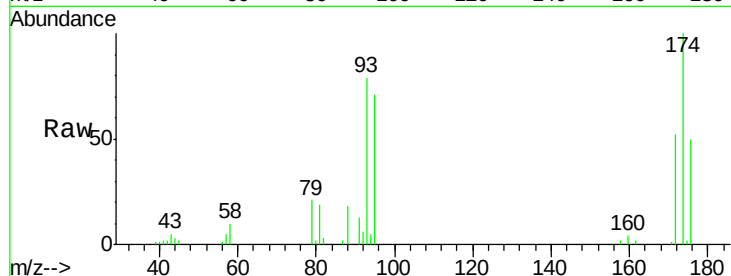




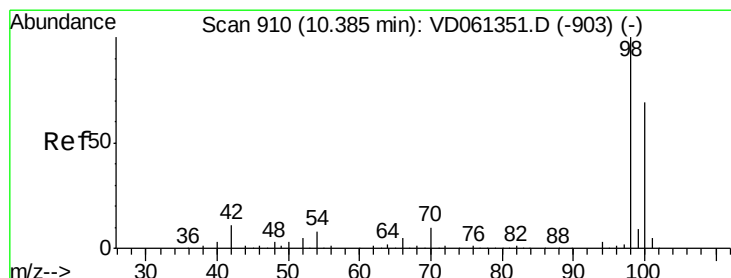
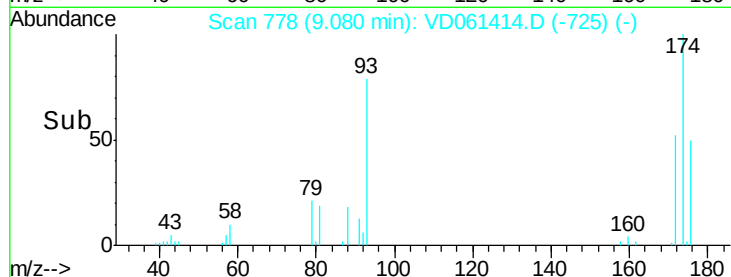
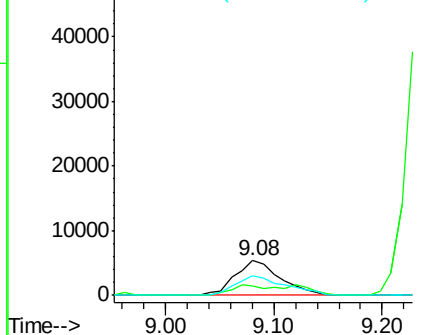
#49
 1,4-Dioxane
 Concen: 451.968 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.02 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS02

Tot Ion: 88 Resp: 15653
 Ion Ratio Lower Upper
 88 100
 43 27.6 23.3 34.9
 58 57.8 50.8 76.2

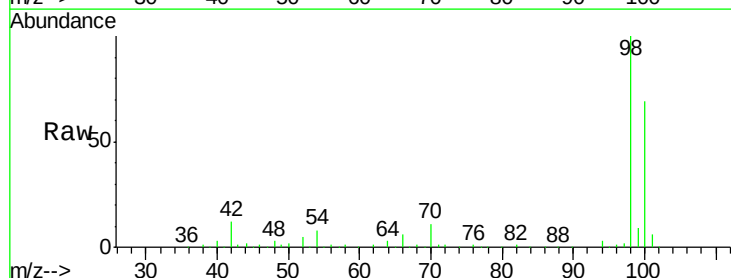


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

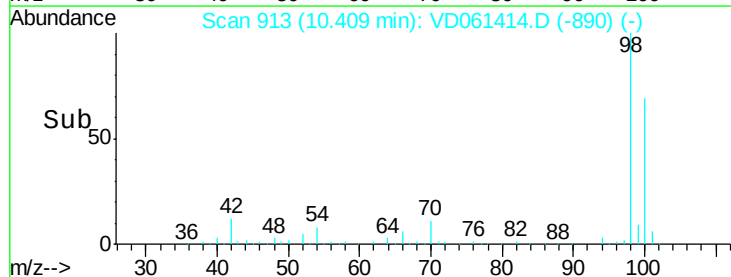
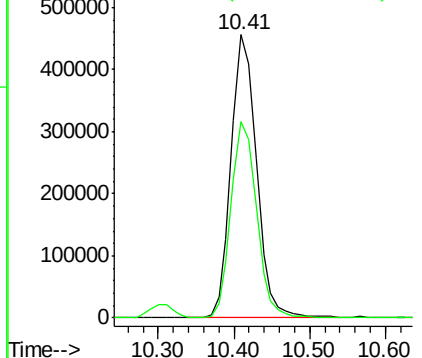


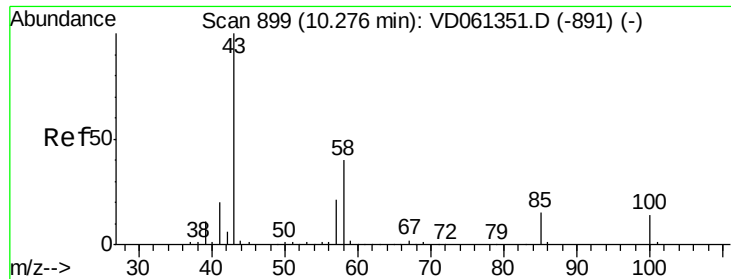
#50
 Toluene-d8
 Concen: 451.968 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. 0.02 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Tgt Ion: 98 Resp: 1063301
 Ion Ratio Lower Upper
 98 100
 100 69.5 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 116.220 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.02 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

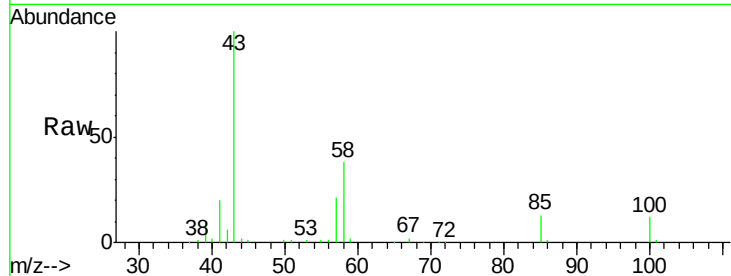
VD0328SBS02

Tot Ion: 43 Resp: 402282

Ion Ratio Lower Upper

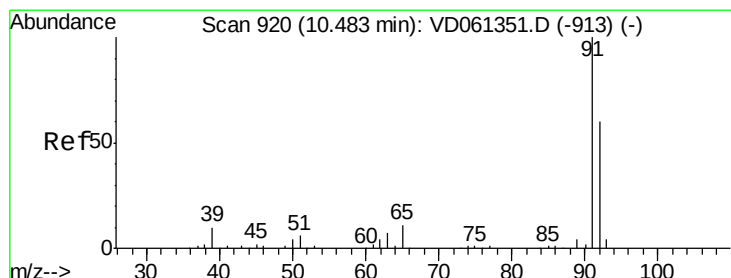
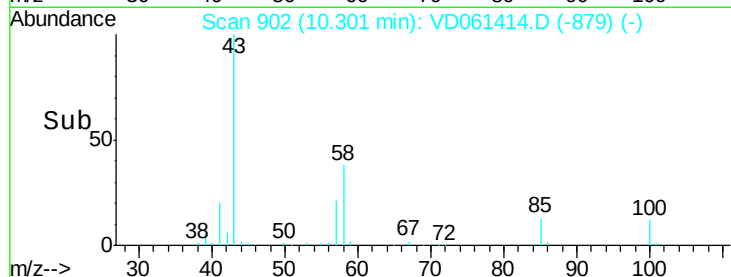
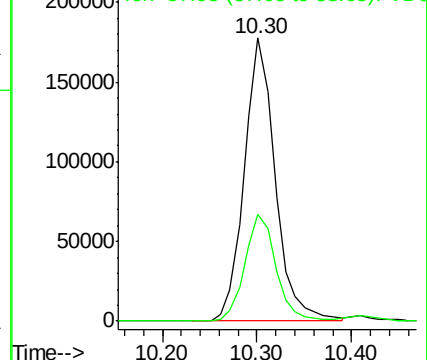
43 100

58 37.9 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 24.094 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.02 min

Lab File: VD061414.D

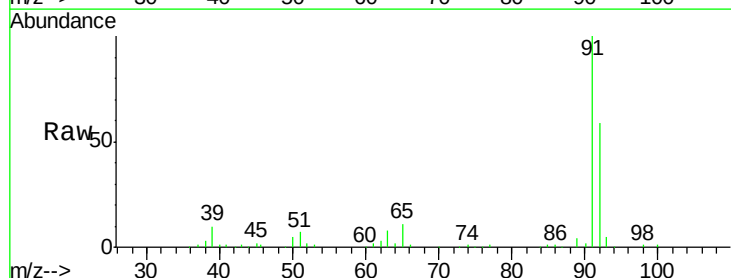
Acq: 29 Mar 2019 4:19

Tgt Ion: 92 Resp: 337294

Ion Ratio Lower Upper

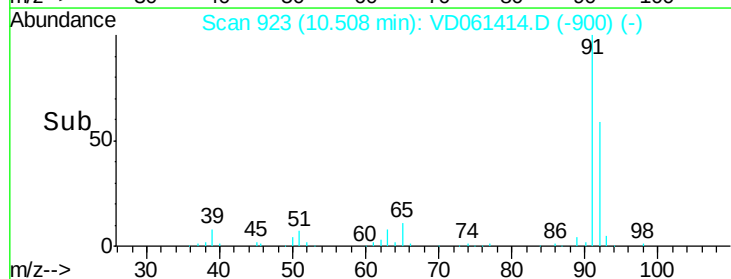
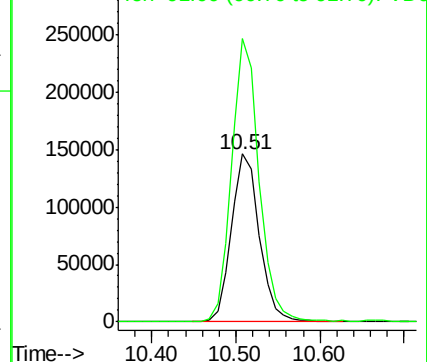
92 100

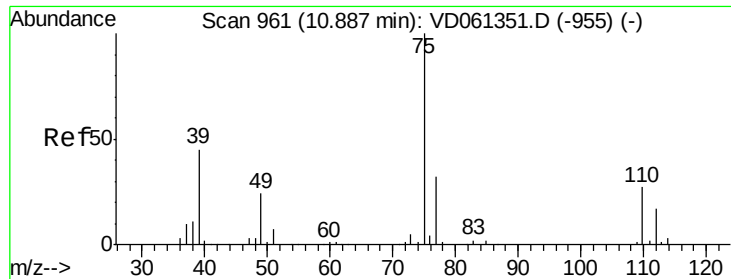
91 168.4 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.954 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.02 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

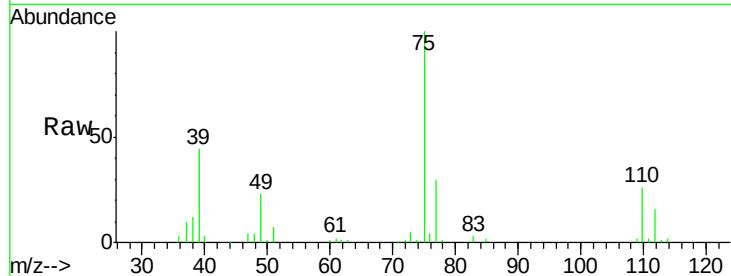
VD0328SBSD02

Tot Ion: 75 Resp: 167343

Ion Ratio Lower Upper

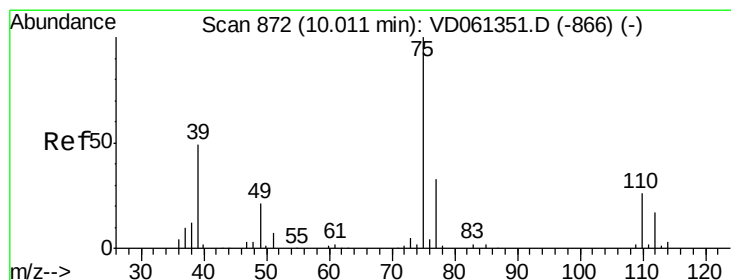
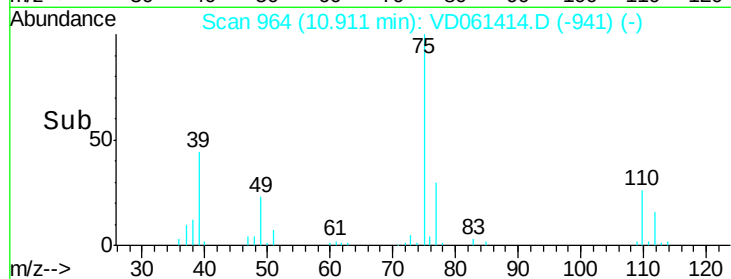
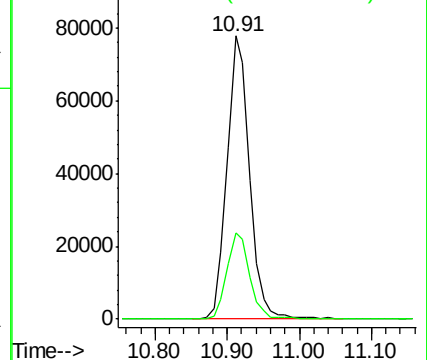
75 100

77 30.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 23.223 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.03 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

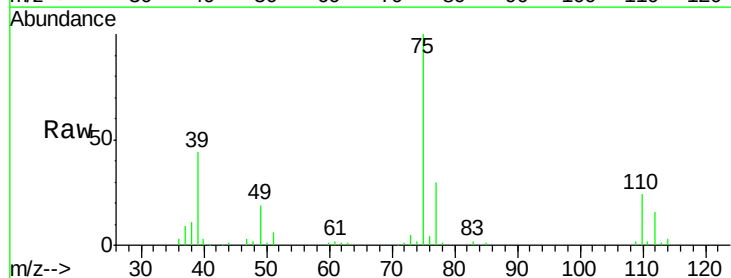
Tgt Ion: 75 Resp: 225832

Ion Ratio Lower Upper

75 100

77 30.3 26.2 39.4

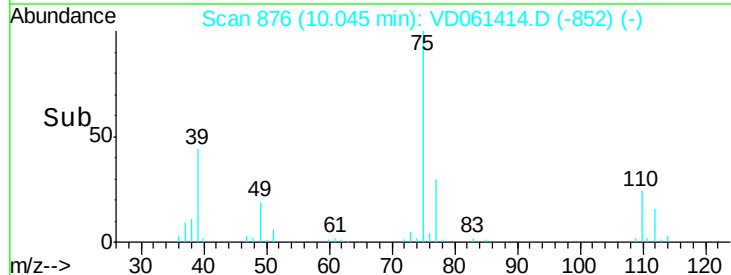
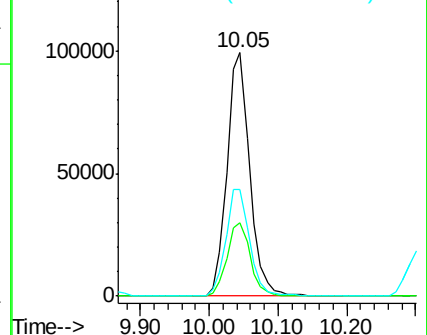
39 43.6 39.4 59.0

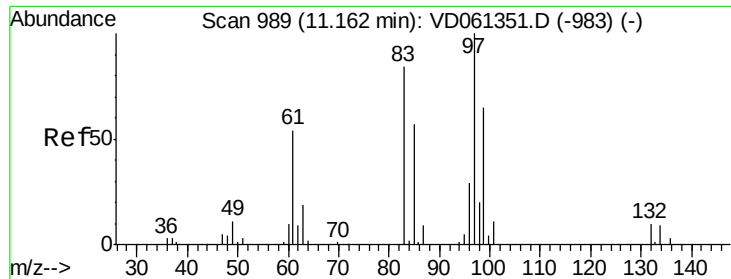


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

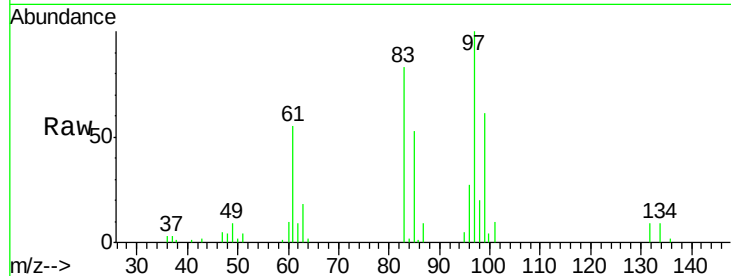




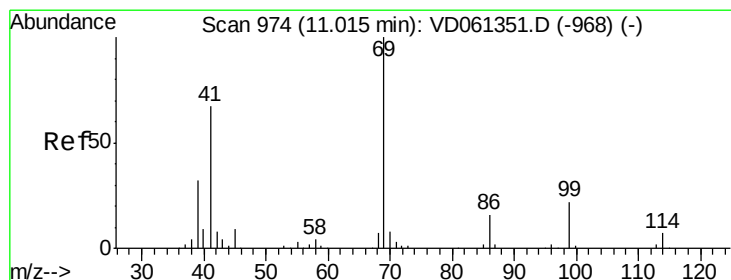
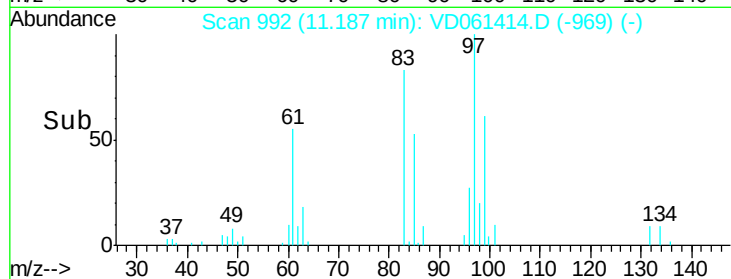
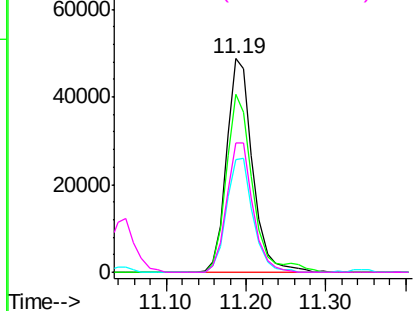
#55
 1,1,2-Trichloroethane
 Concen: 22.794 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.02 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD02

Tot Ion:	97	Resp:	111594
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.0	100.6
85	52.8	45.4	68.2
99	60.8	51.9	77.9

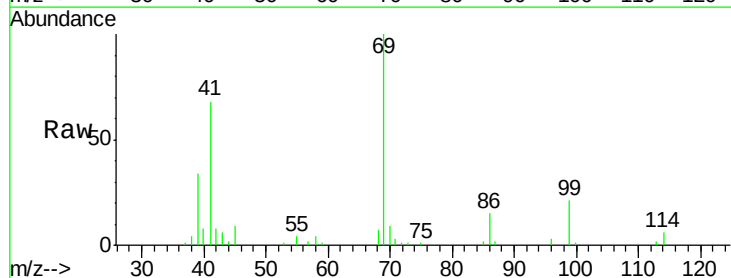


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

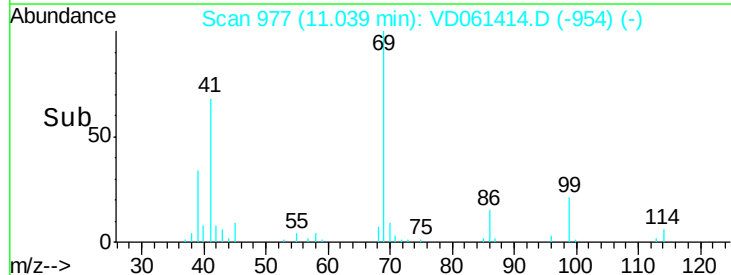
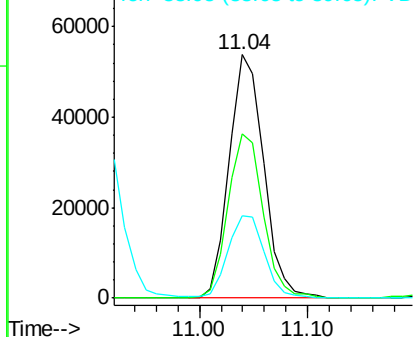


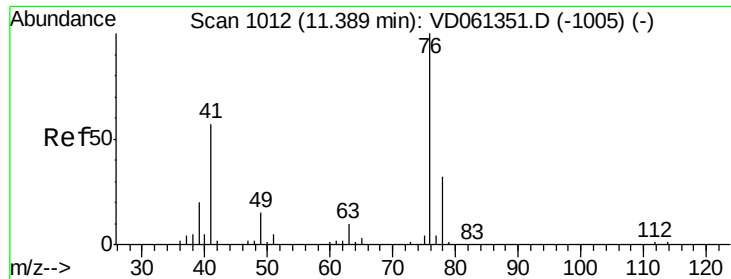
#56
 Ethyl methacrylate
 Concen: 22.742 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.02 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Tgt Ion:	69	Resp:	119612
Ion	Ratio	Lower	Upper
69	100		
41	67.6	53.8	80.6
39	33.7	26.4	39.6



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

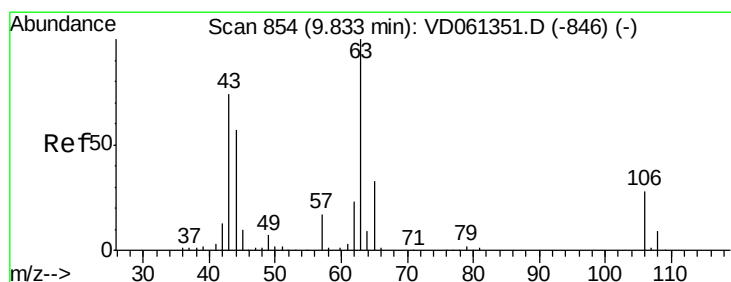
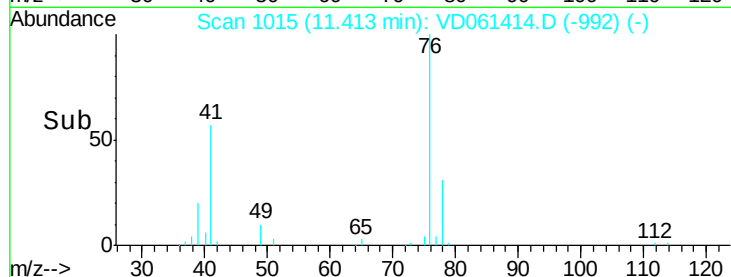
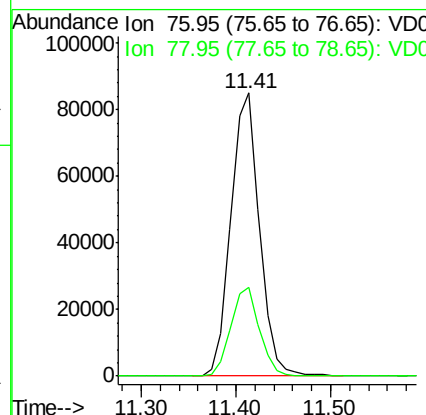
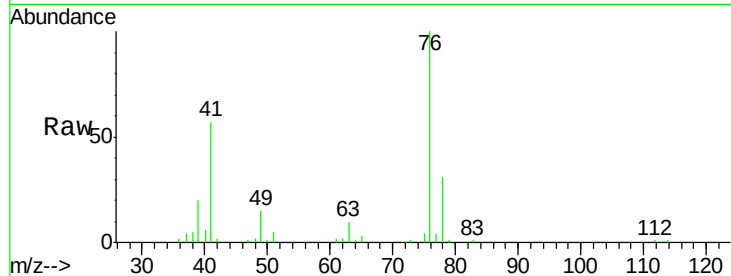




#57
 1,3-Dichloropropane
 Concen: 24.666 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.02 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

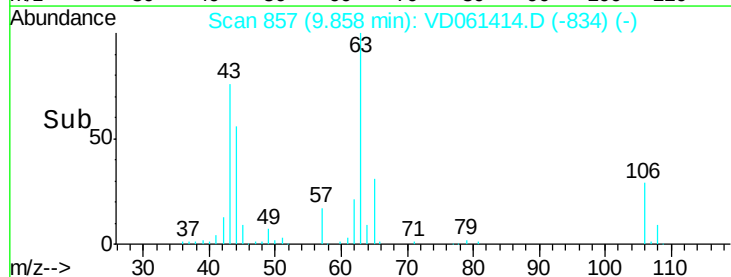
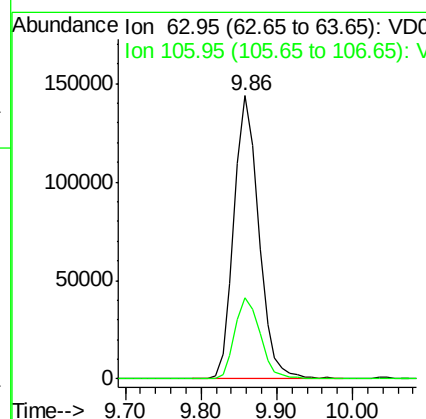
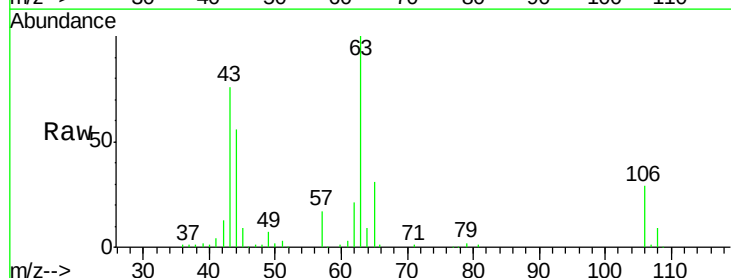
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD02

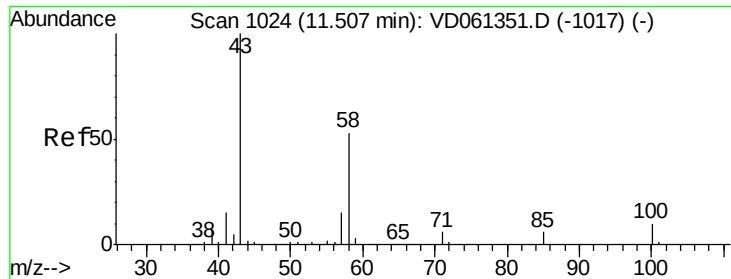
Tot Ion: 76 Resp: 177499
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 127.322 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.02 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Tgt Ion: 63 Resp: 326112
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.4 33.6

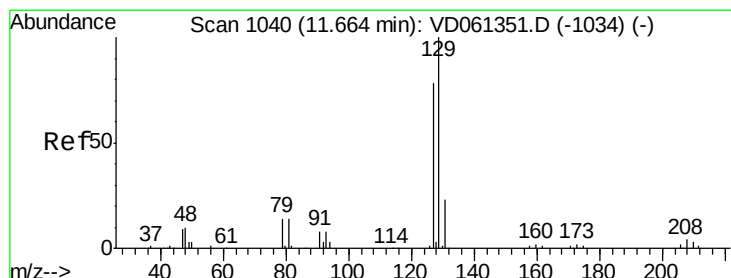
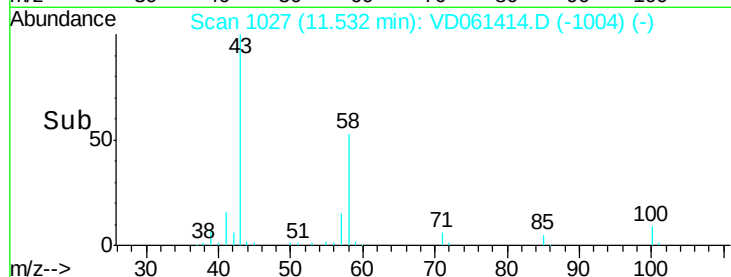
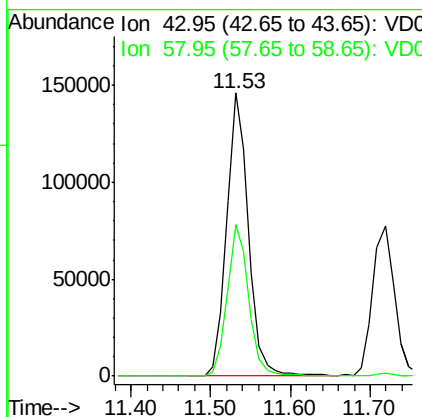
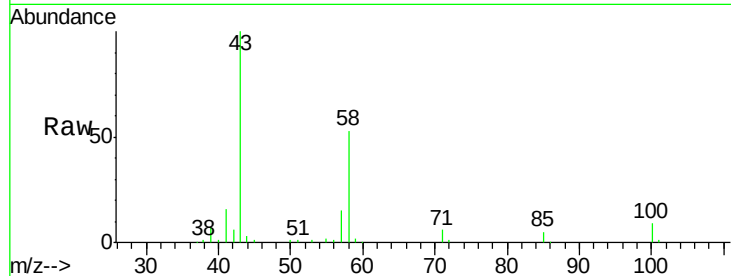




#59
2-Hexanone
Concen: 112.269 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

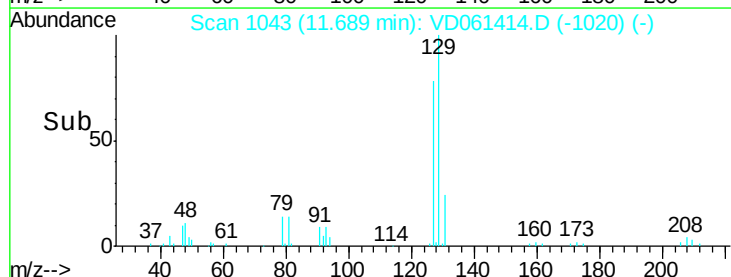
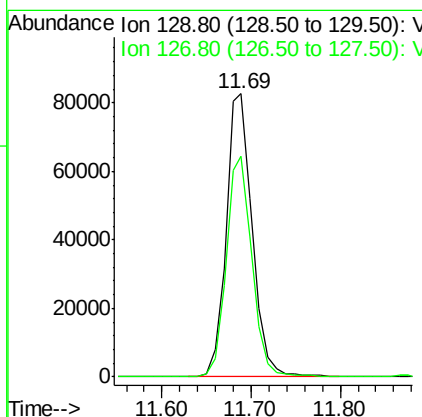
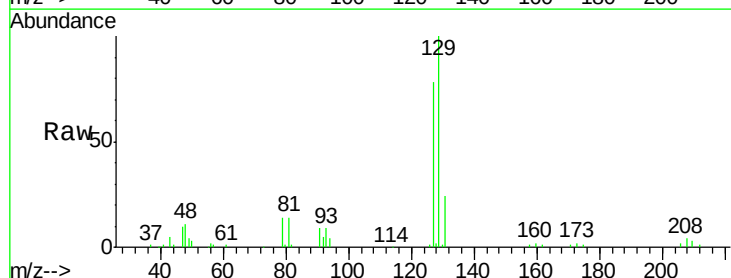
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD02

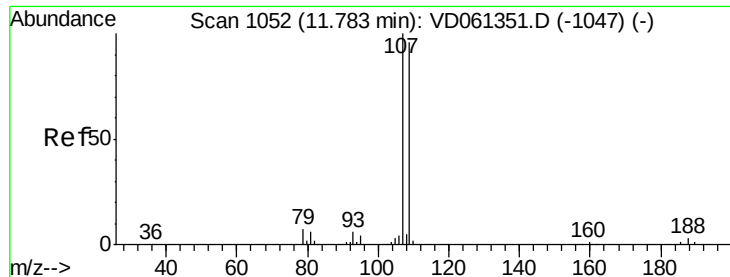
Tot Ion: 43 Resp: 281558
Ion Ratio Lower Upper
43 100
58 53.4 26.3 78.9



#60
Dibromochloromethane
Concen: 22.462 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Tgt Ion: 129 Resp: 169528
Ion Ratio Lower Upper
129 100
127 78.1 39.0 116.9

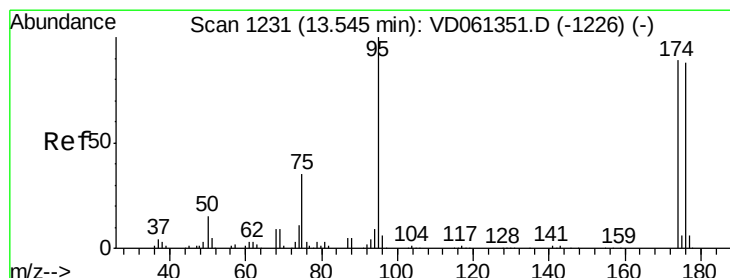
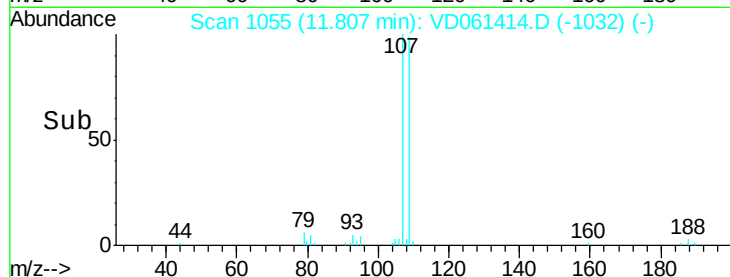
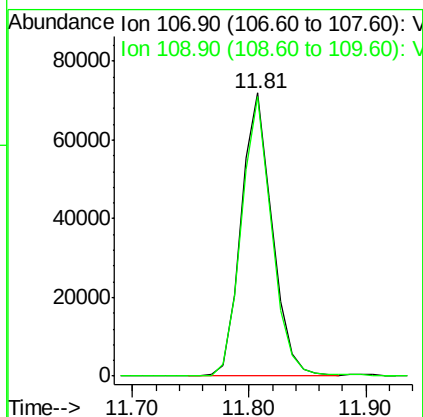
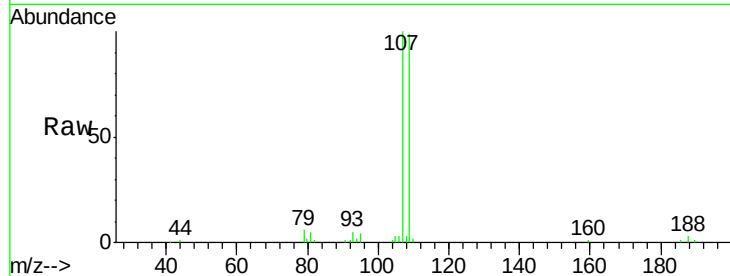




#61
 1,2-Dibromoethane
 Concen: 23.376 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.02 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

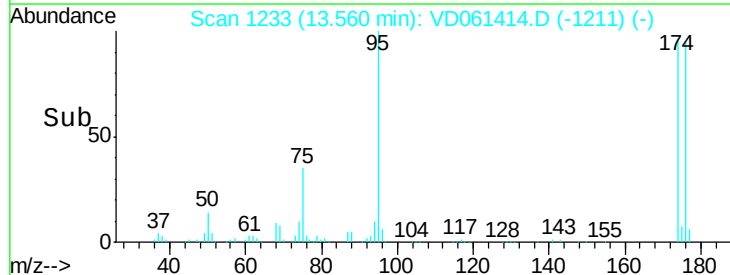
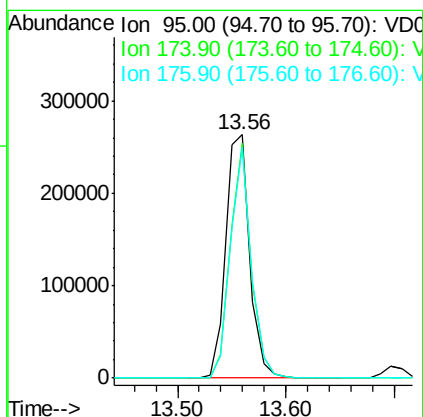
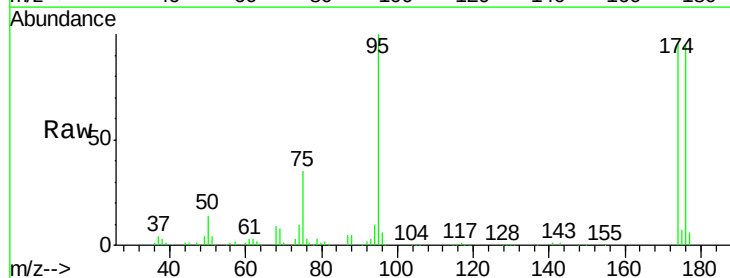
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD02

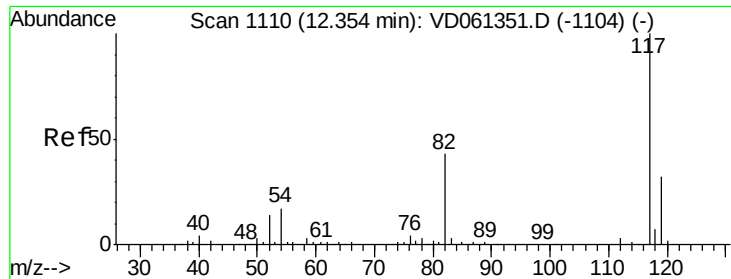
Tot Ion: 107 Resp: 132523
 Ion Ratio Lower Upper
 107 100
 109 98.5 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 23.376 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Tgt Ion: 95 Resp: 403789
 Ion Ratio Lower Upper
 95 100
 174 96.2 0.0 178.0
 176 94.7 0.0 175.0

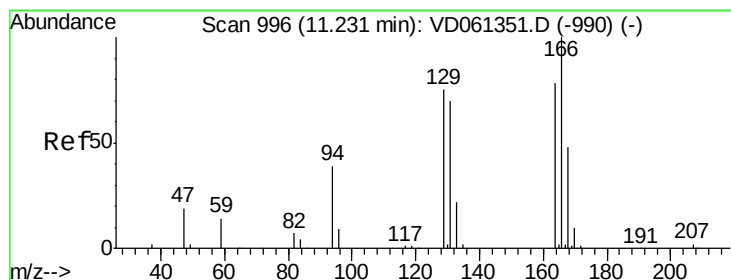
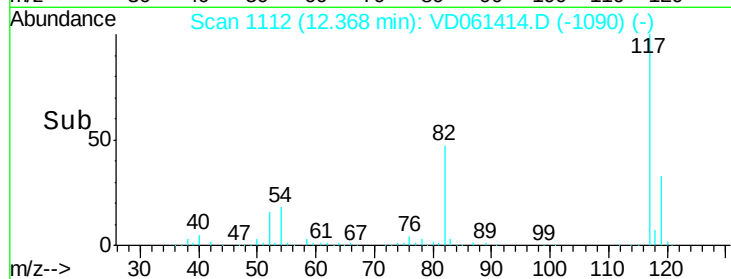
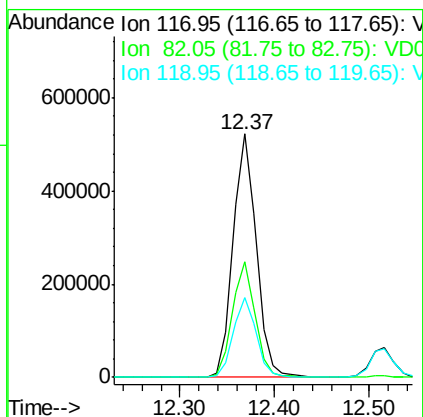
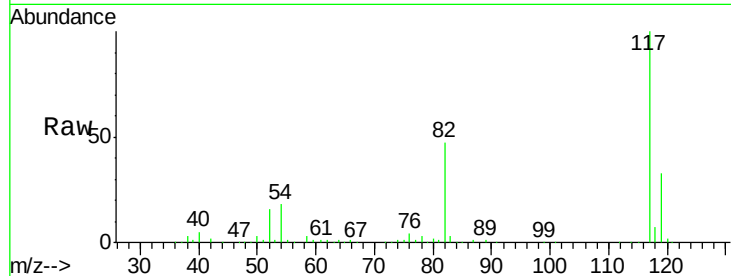




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

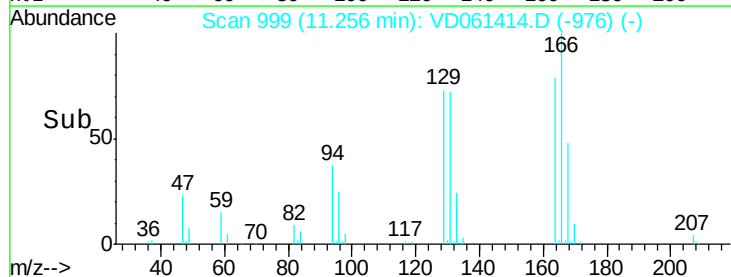
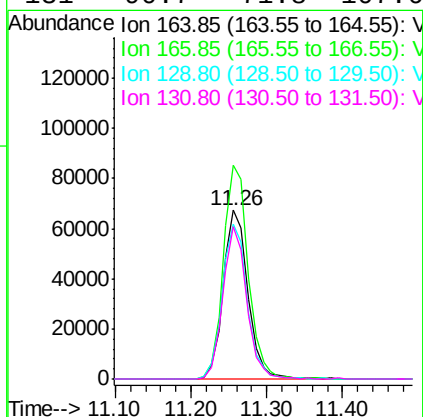
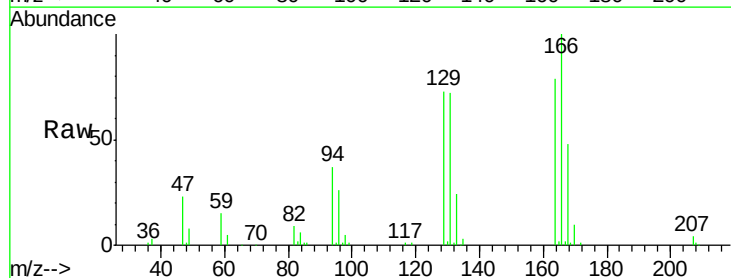
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD02

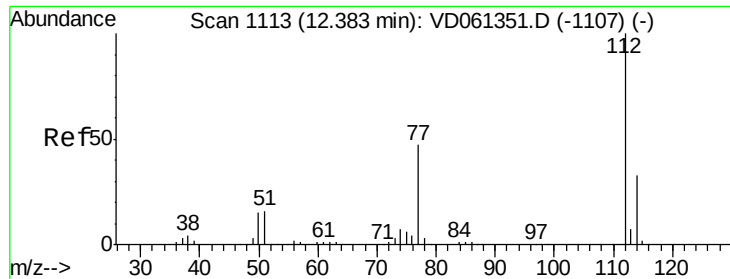
Tot Ion:117 Resp: 888453
Ion Ratio Lower Upper
117 100
82 47.4 34.4 51.6
119 32.8 25.8 38.6



#64
Tetrachloroethene
Concen: 21.767 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Tgt Ion:164 Resp: 151774
Ion Ratio Lower Upper
164 100
166 126.7 102.4 153.6
129 92.1 76.8 115.2
131 90.7 71.8 107.6

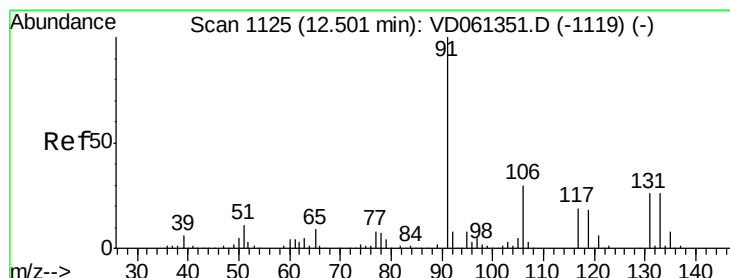
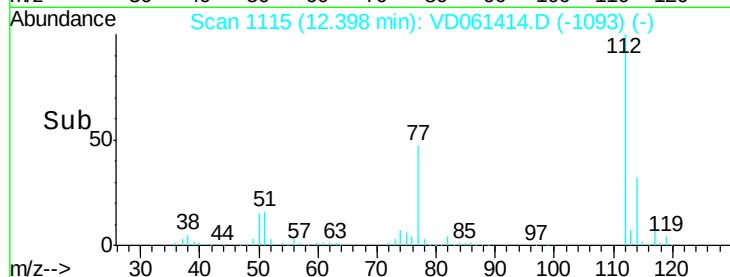
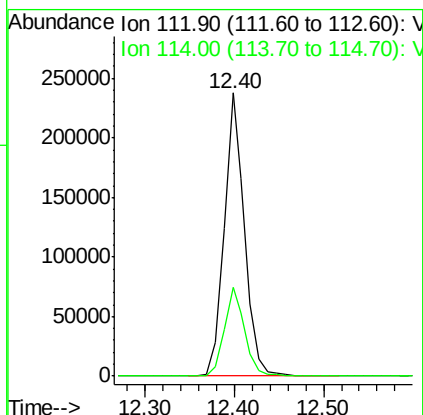
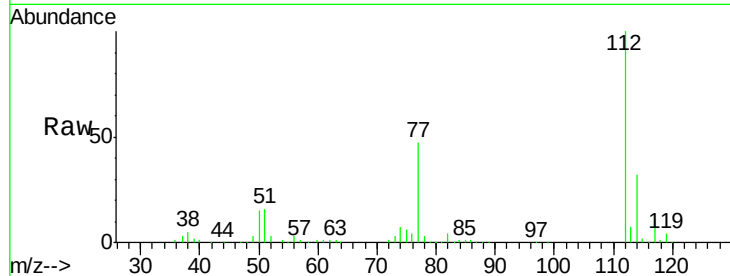




#65
Chlorobenzene
Concen: 20.928 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

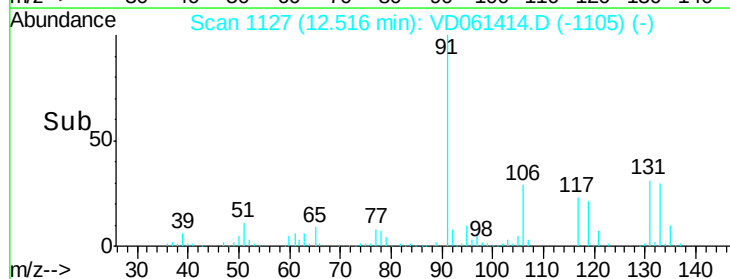
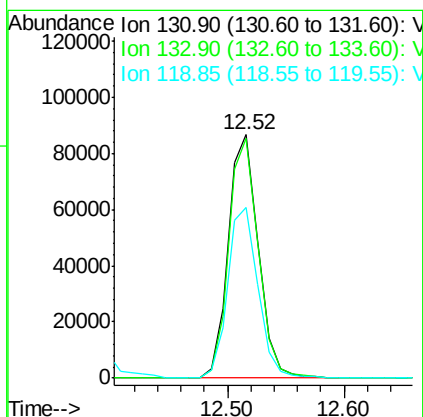
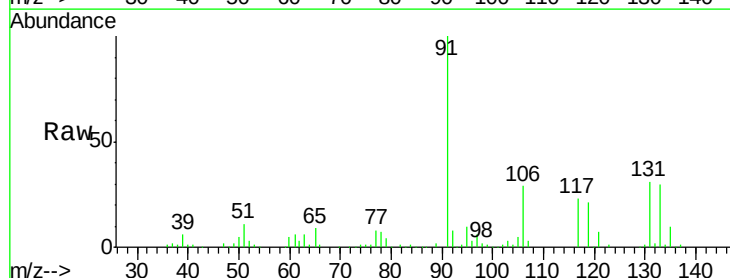
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD02

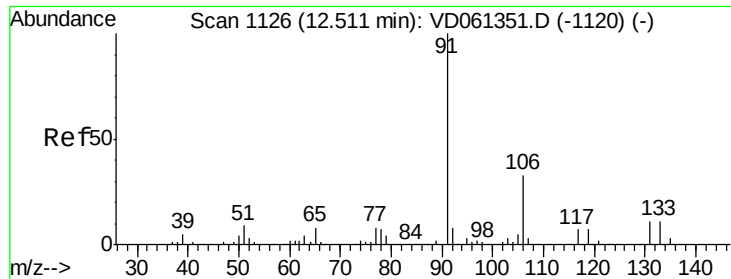
Tot Ion:112 Resp: 379999
Ion Ratio Lower Upper
112 100
114 31.5 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.886 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Tgt Ion:131 Resp: 153862
Ion Ratio Lower Upper
131 100
133 98.4 49.4 148.2
119 70.0 34.1 102.2

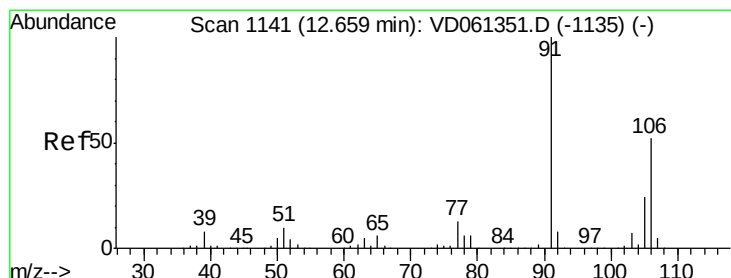
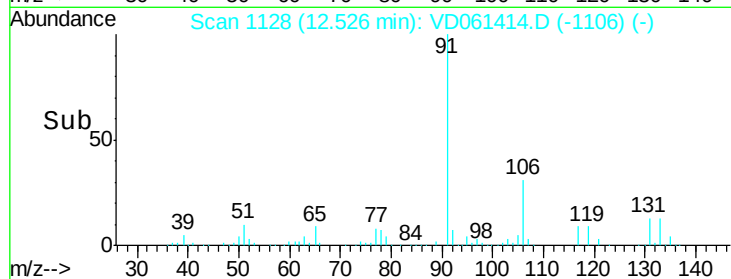
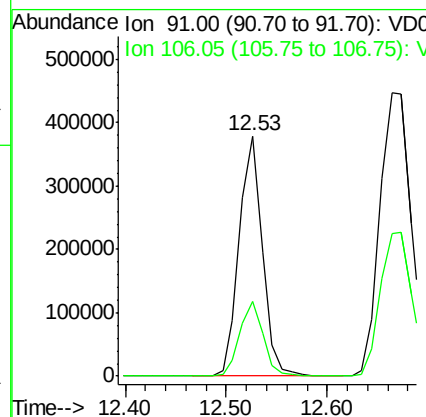
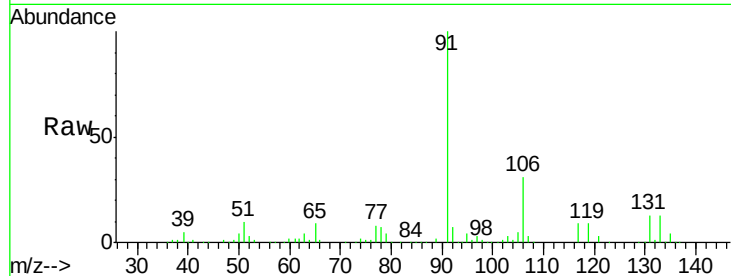




#67
Ethyl Benzene
Concen: 21.817 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

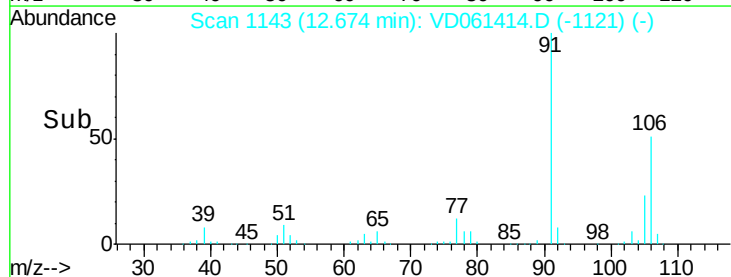
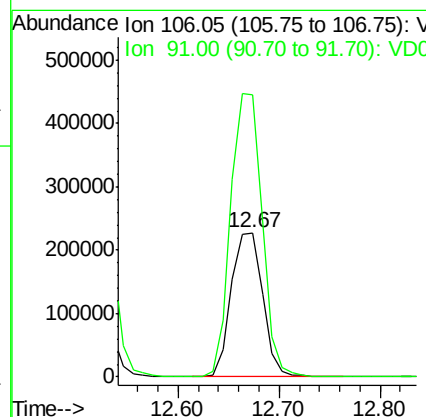
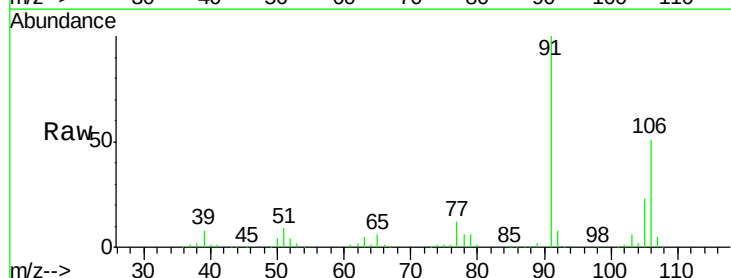
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD02

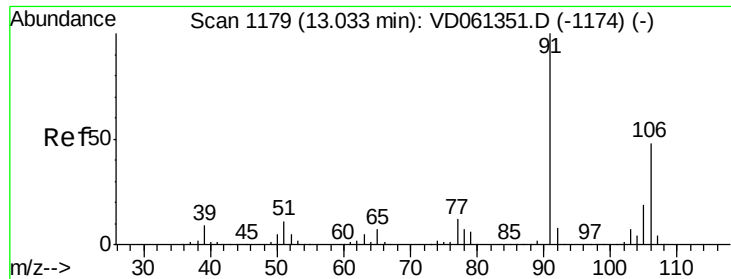
Tot Ion: 91 Resp: 604641
Ion Ratio Lower Upper
91 100
106 31.2 26.1 39.1



#68
m/p-Xylenes
Concen: 46.938 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Tgt Ion: 106 Resp: 492770
Ion Ratio Lower Upper
106 100
91 196.0 153.1 229.7

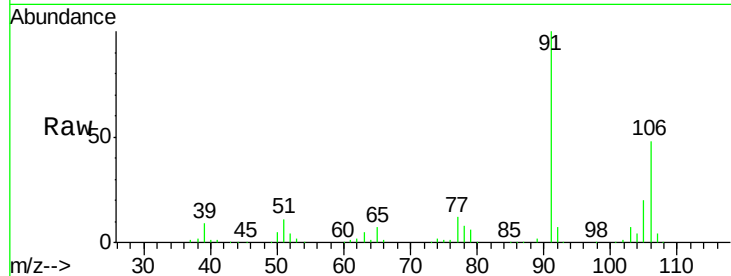




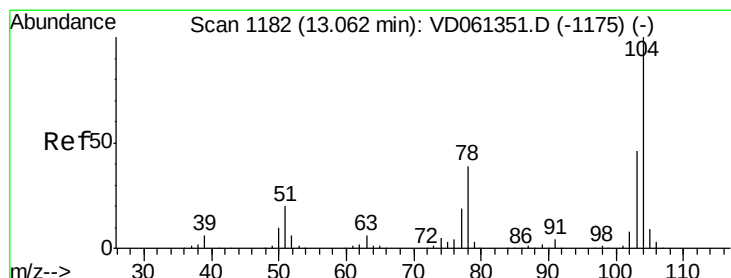
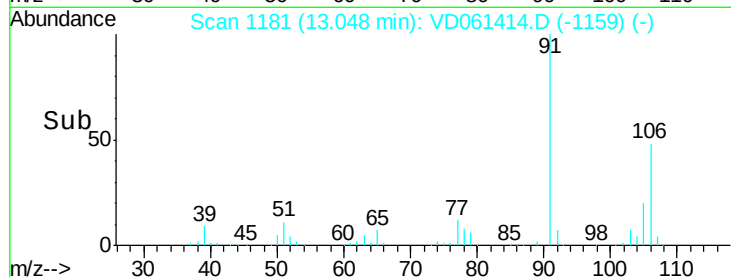
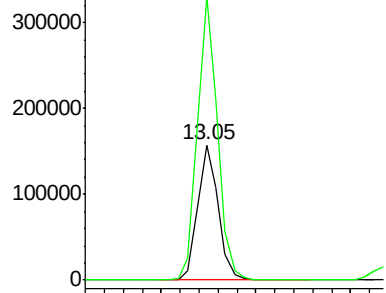
#69
o-Xylene
Concen: 22.939 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD02

Tot Ion:106 Resp: 233696
Ion Ratio Lower Upper
106 100
91 209.8 103.8 311.3

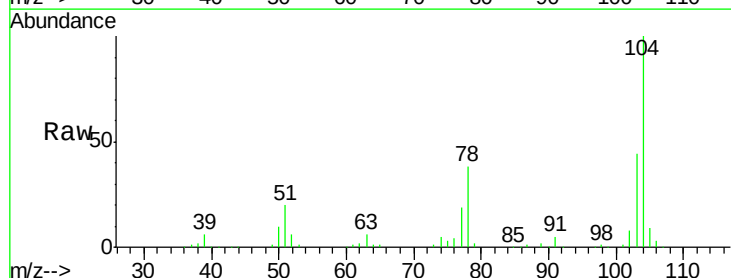


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

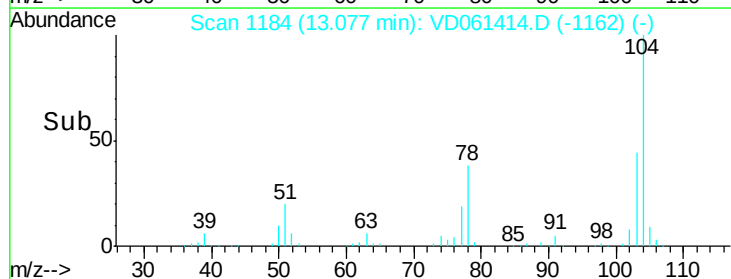
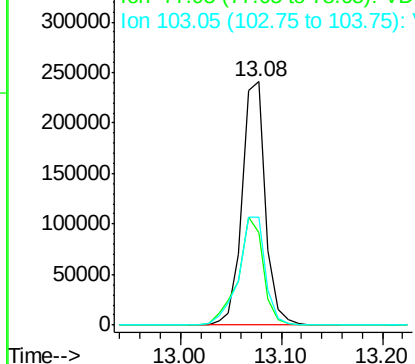


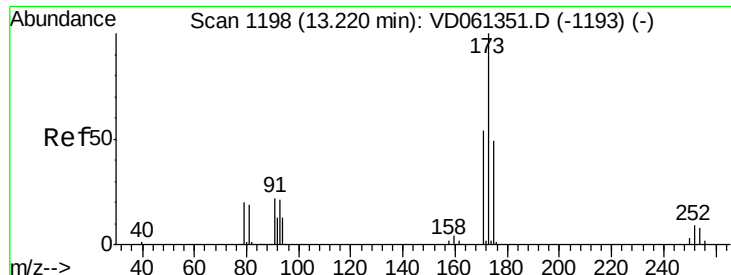
#70
Styrene
Concen: 21.848 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Tgt Ion:104 Resp: 388012
Ion Ratio Lower Upper
104 100
78 38.2 31.0 46.6
103 44.3 37.0 55.4



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





#71

Bromoform

Concen: 20.775 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBSD02

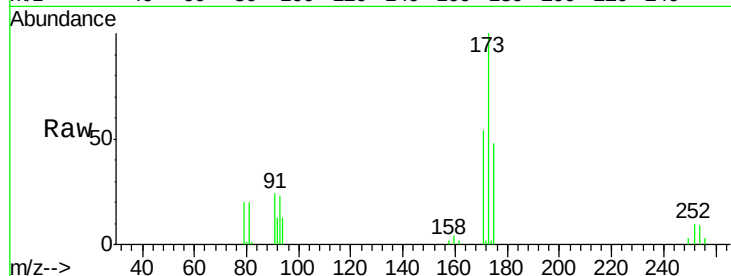
Tot Ion:173 Resp: 92585

Ion Ratio Lower Upper

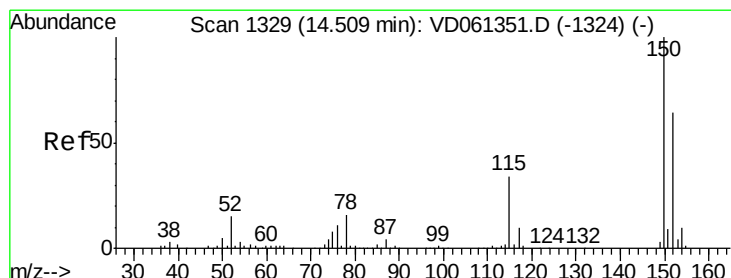
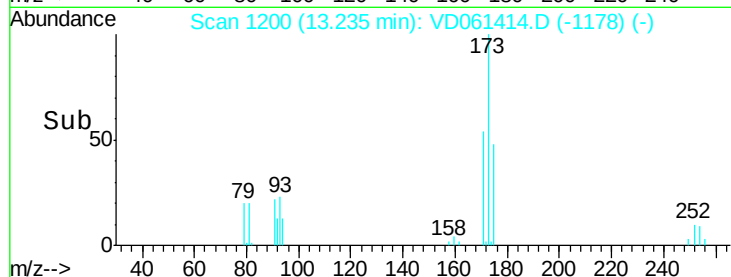
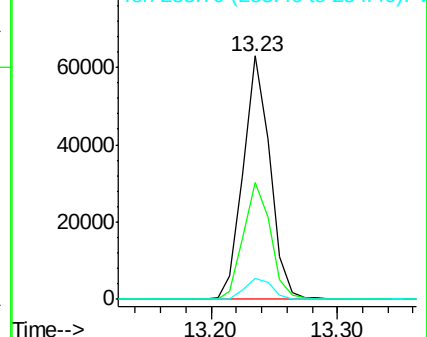
173 100

175 48.1 24.6 73.8

254 8.7 6.6 10.0



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

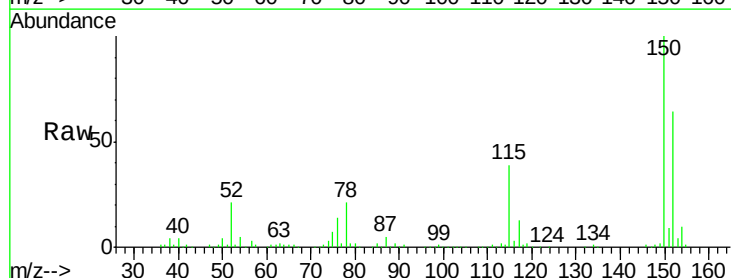
Tgt Ion:152 Resp: 410073

Ion Ratio Lower Upper

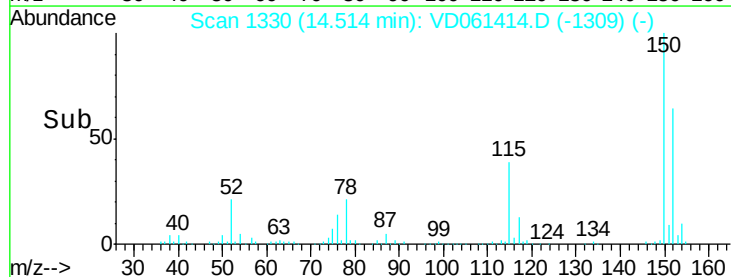
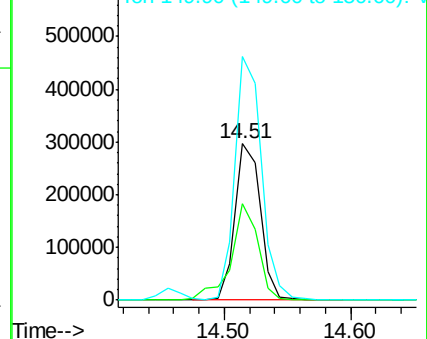
152 100

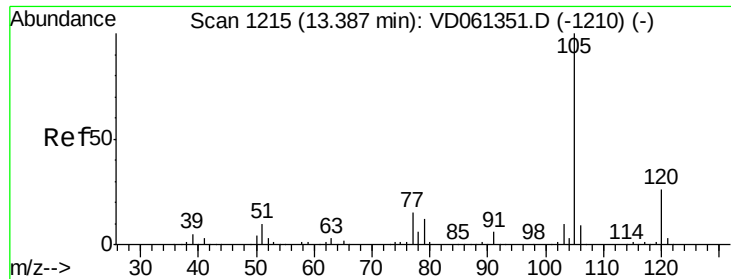
115 61.4 26.9 80.6

150 155.9 0.0 318.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.337 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

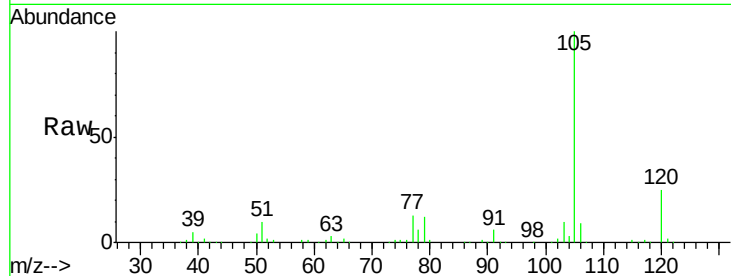
VD0328SBSD02

Tot Ion:105 Resp: 608961

Ion Ratio Lower Upper

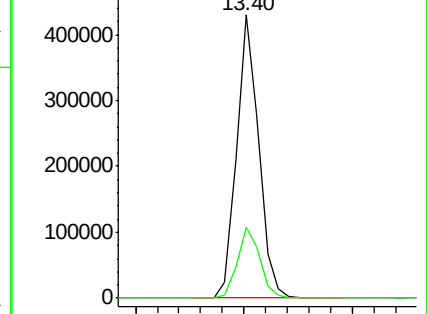
105 100

120 24.9 12.8 38.3

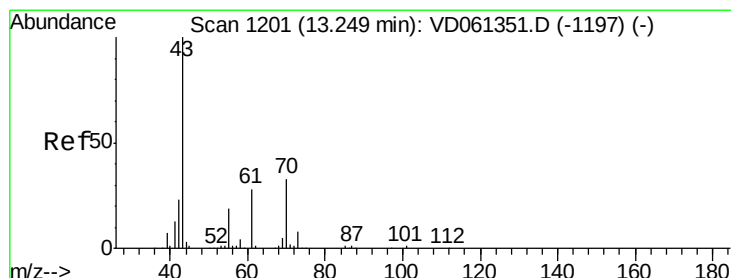
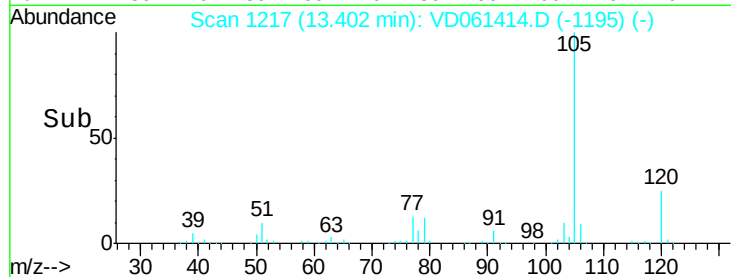


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.857 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Tgt Ion: 43 Resp: 149921

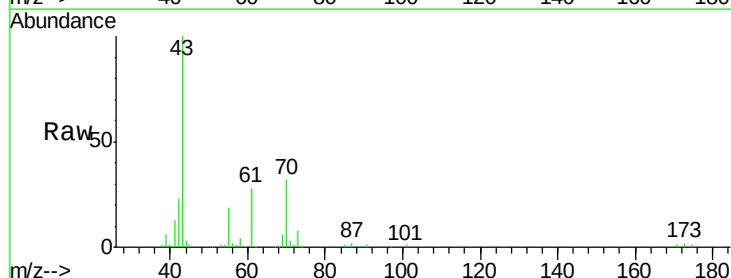
Ion Ratio Lower Upper

43 100

70 32.3 26.6 40.0

55 19.0 15.4 23.2

61 28.0 22.2 33.4

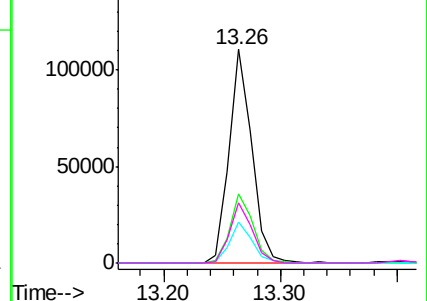


Abundance Ion 42.95 (42.65 to 43.65): V

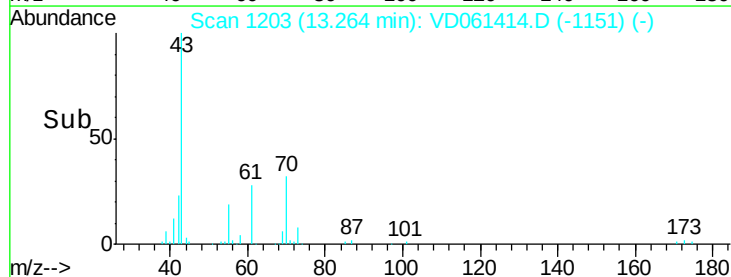
Ion 70.00 (69.70 to 70.70): V

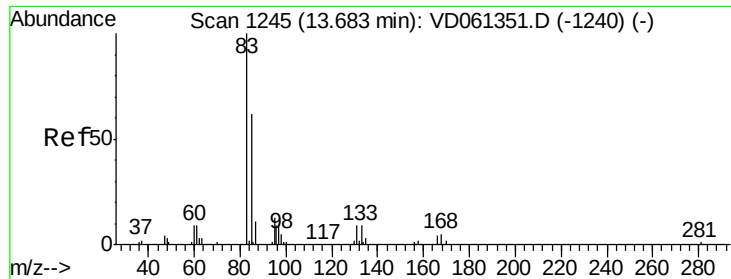
Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V



Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 21.255 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS02

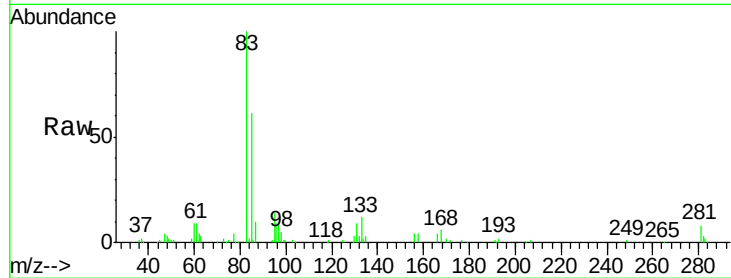
Tot Ion: 83 Resp: 127970

Ion Ratio Lower Upper

83 100

131 9.0 4.3 13.1

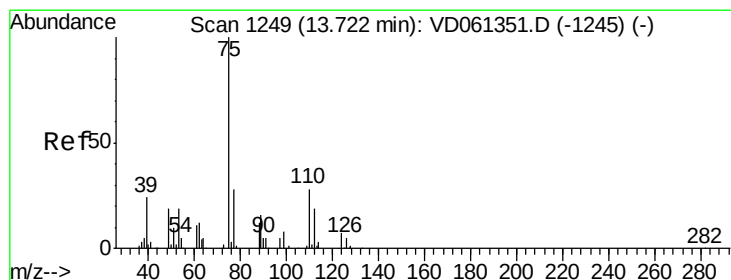
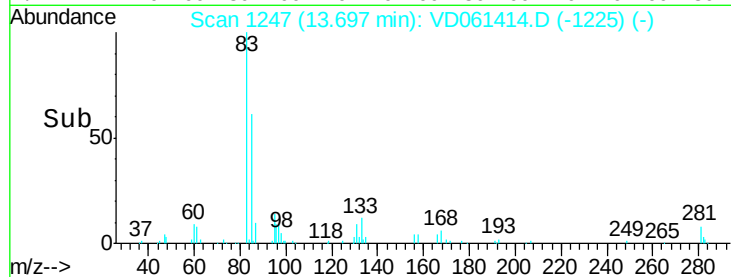
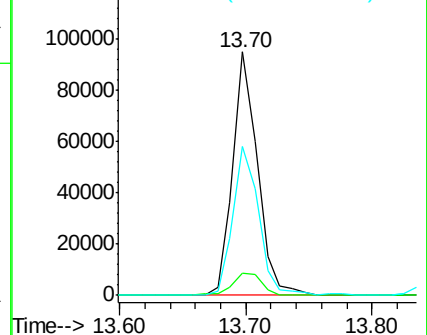
85 61.1 31.2 93.6



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: 21.944 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061414.D

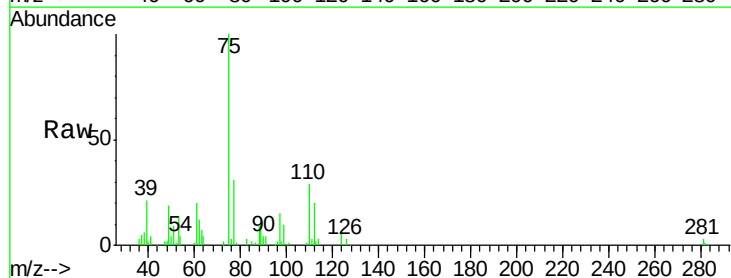
Acq: 29 Mar 2019 4:19

Tgt Ion: 75 Resp: 129989

Ion Ratio Lower Upper

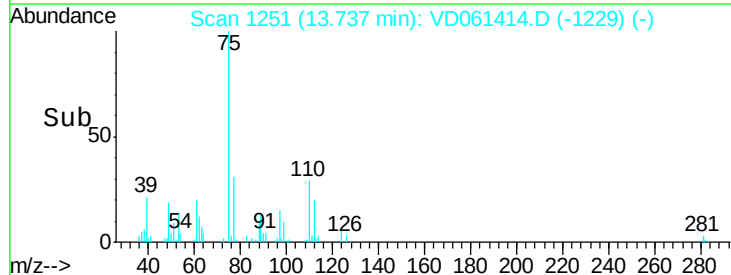
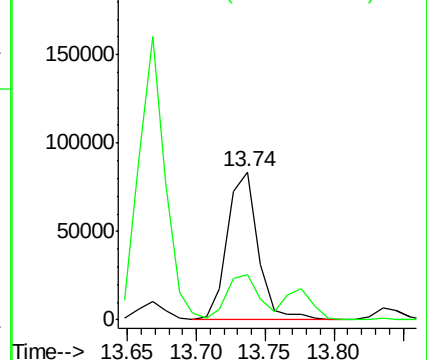
75 100

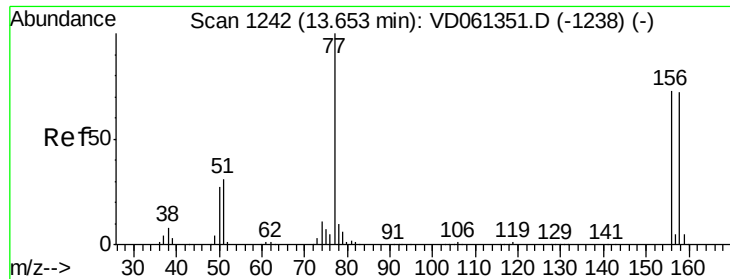
77 30.9 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.827 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS02

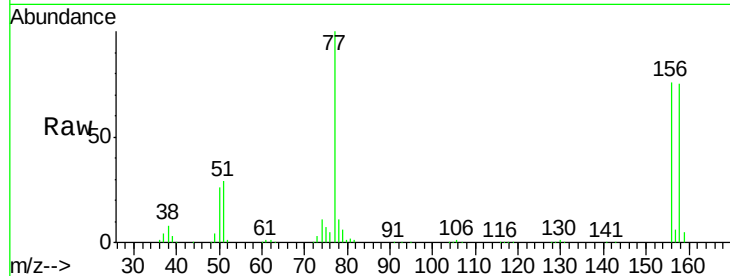
Tot Ion:156 Resp: 167756

Ion Ratio Lower Upper

156 100

77 130.8 68.5 205.6

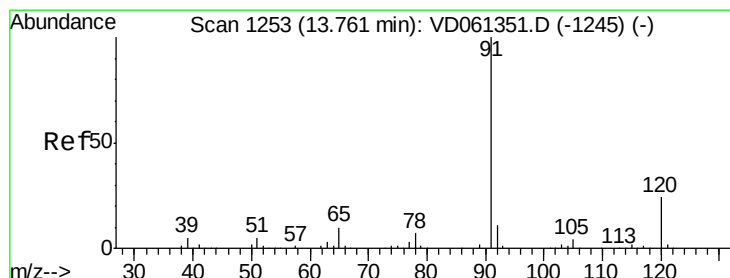
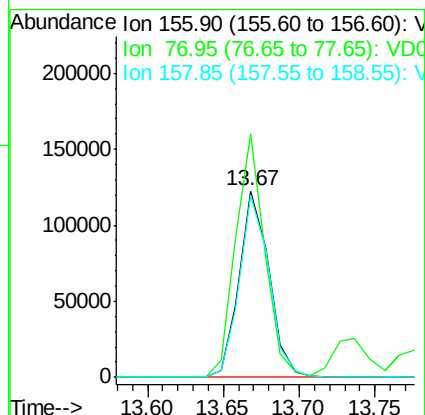
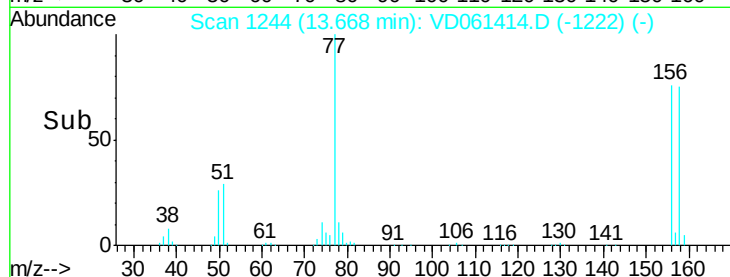
158 97.8 49.1 147.3



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: 20.851 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061414.D

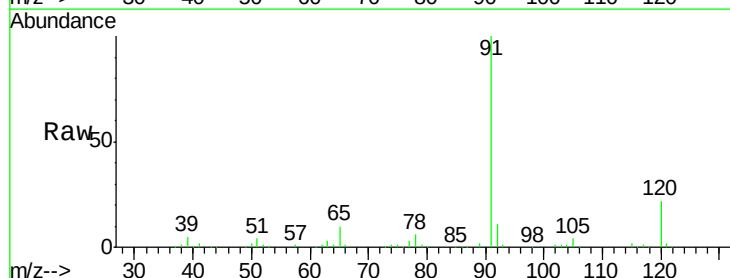
Acq: 29 Mar 2019 4:19

Tgt Ion: 91 Resp: 728252

Ion Ratio Lower Upper

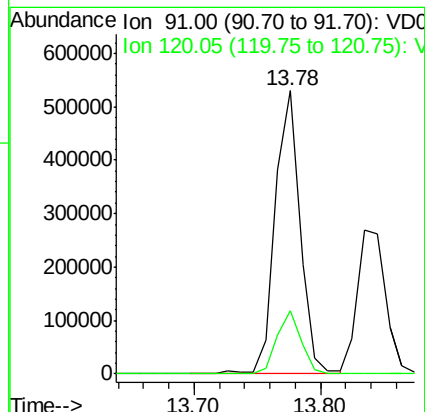
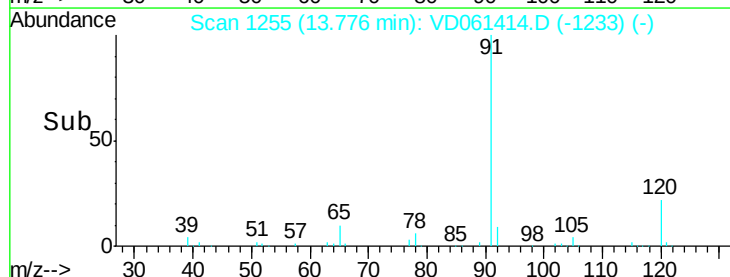
91 100

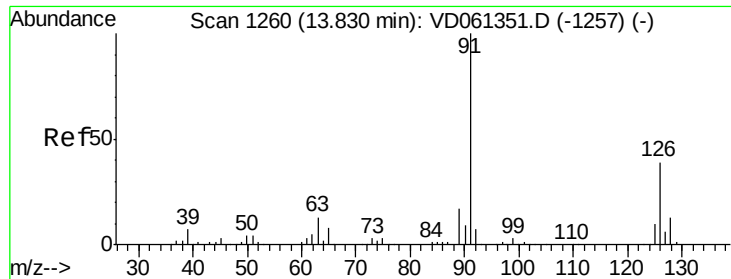
120 22.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.739 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

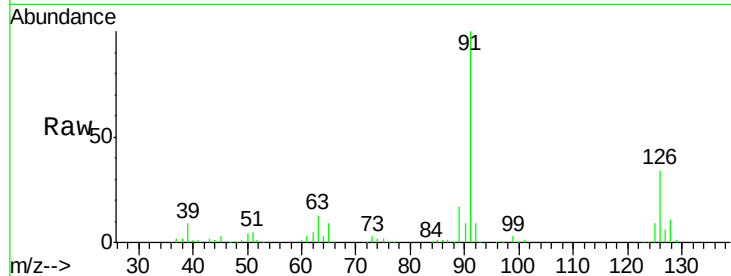
VD0328SBSD02

Tot Ion: 91 Resp: 412273

Ion Ratio Lower Upper

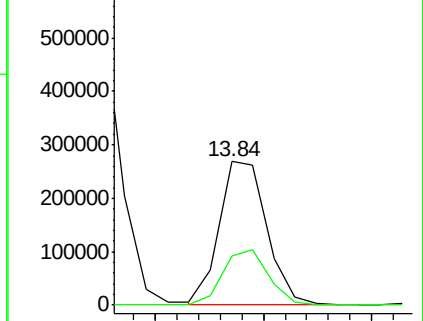
91 100

126 34.0 19.4 58.2

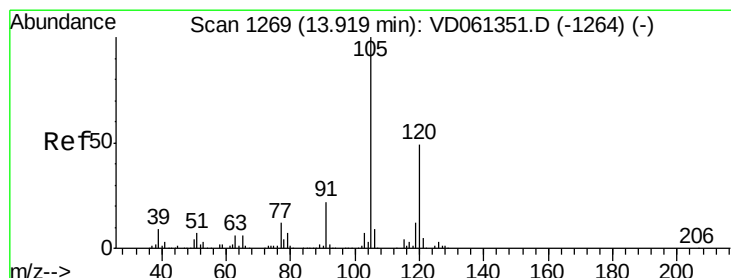
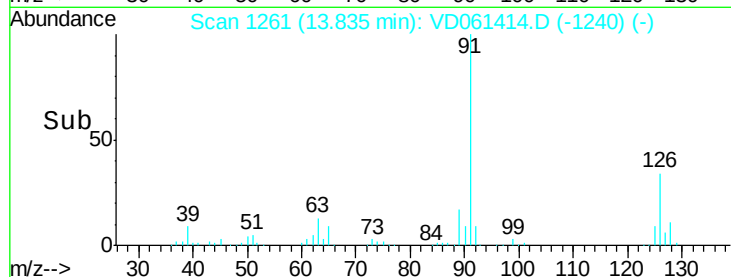


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.823 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD061414.D

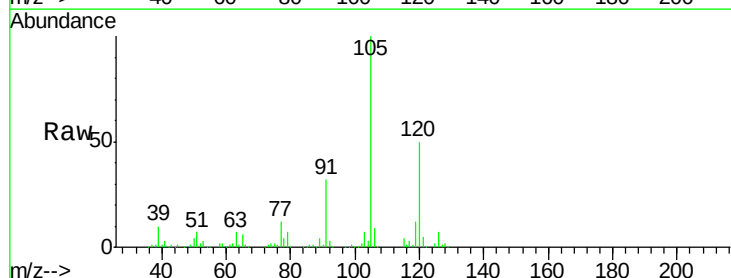
Acq: 29 Mar 2019 4:19

Tgt Ion: 105 Resp: 483266

Ion Ratio Lower Upper

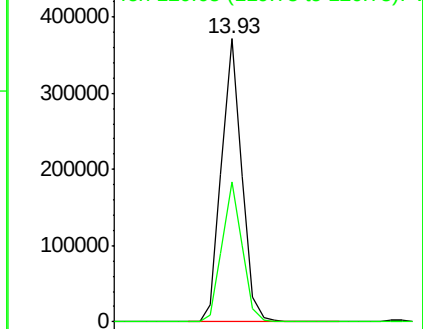
105 100

120 49.5 24.6 73.6

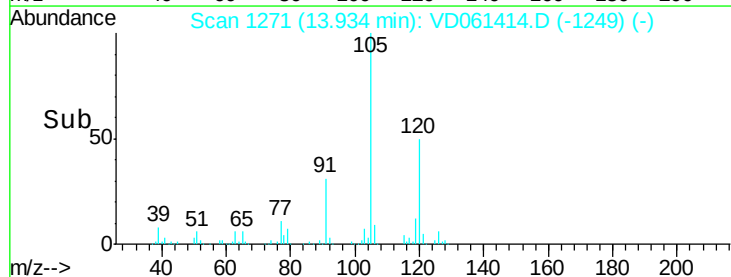


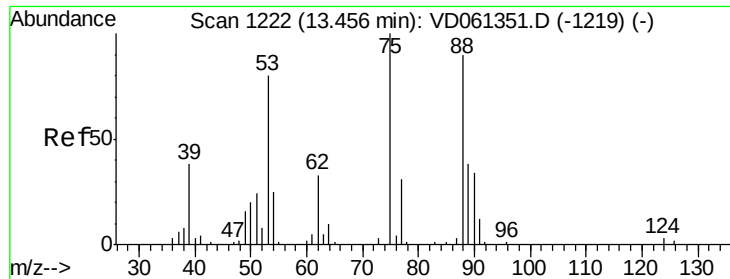
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->

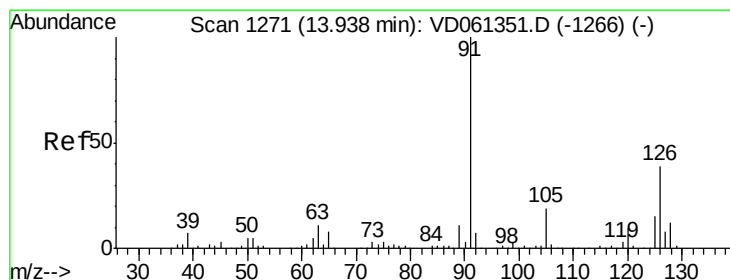
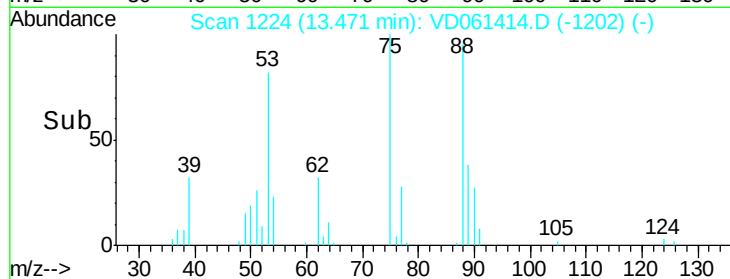
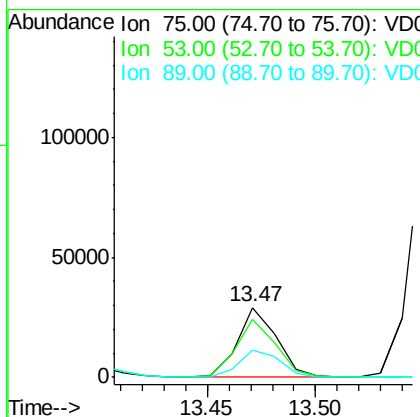
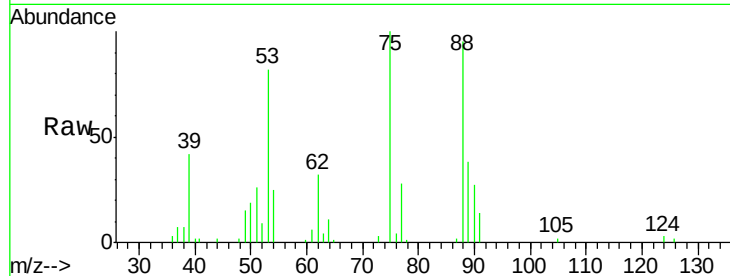




#81
trans-1,4-Dichloro-2-butene
Concen: 20.231 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

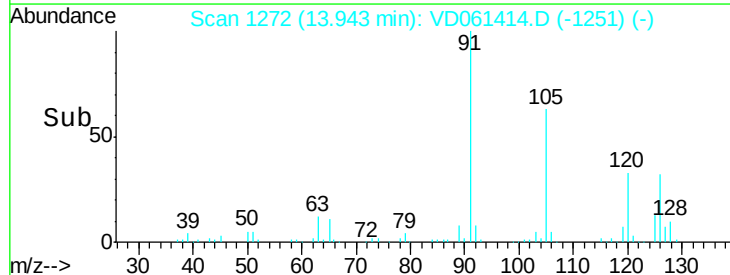
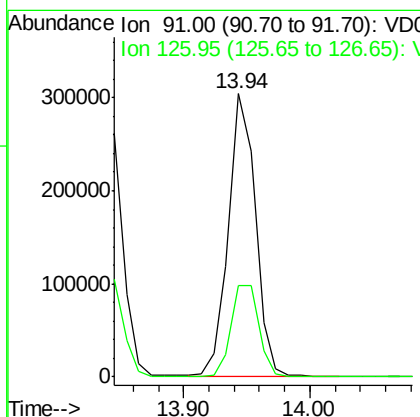
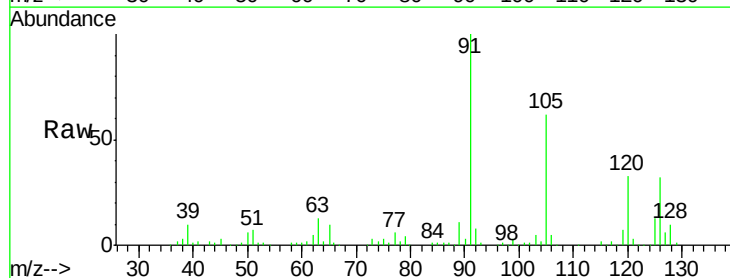
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD02

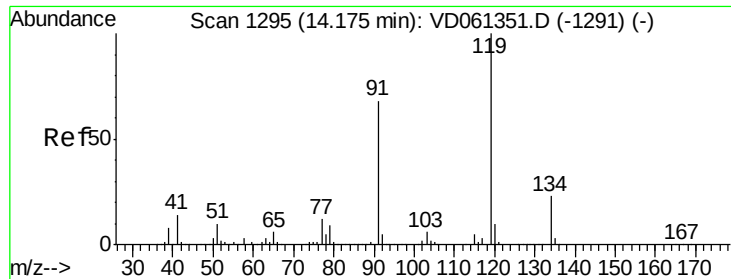
Tot Ion: 75 Resp: 36540
Ion Ratio Lower Upper
75 100
53 82.3 63.8 95.8
89 38.1 30.5 45.7



#82
4-Chlorotoluene
Concen: 21.839 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD061414.D
Acq: 29 Mar 2019 4:19

Tgt Ion: 91 Resp: 450337
Ion Ratio Lower Upper
91 100
126 32.1 19.6 58.8

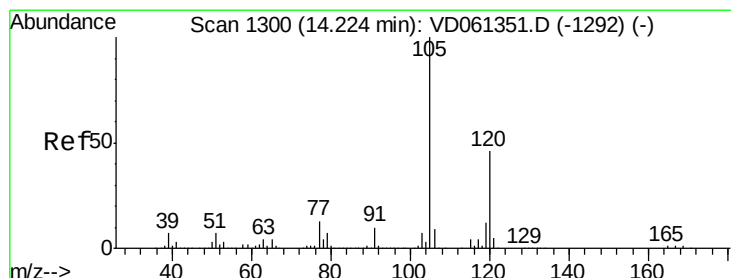
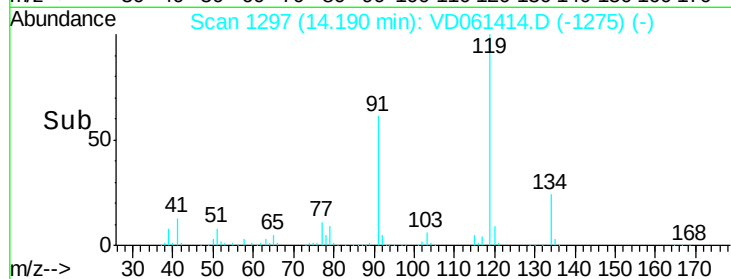
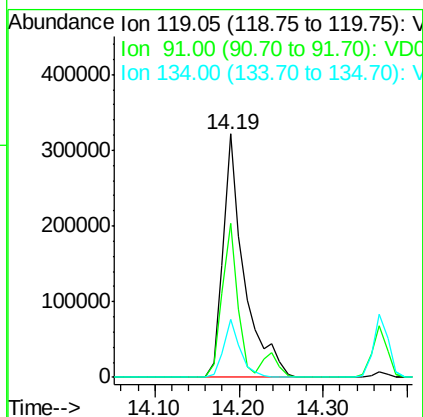
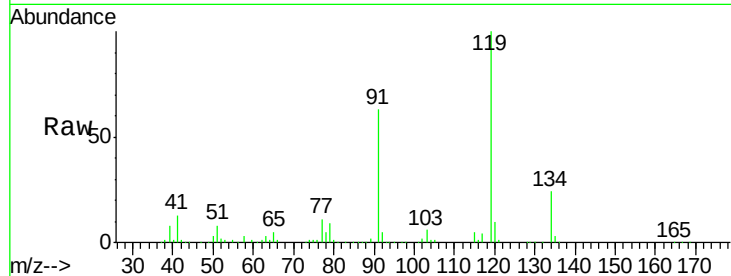




#83
 tert-Butylbenzene
 Concen: 20.217 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

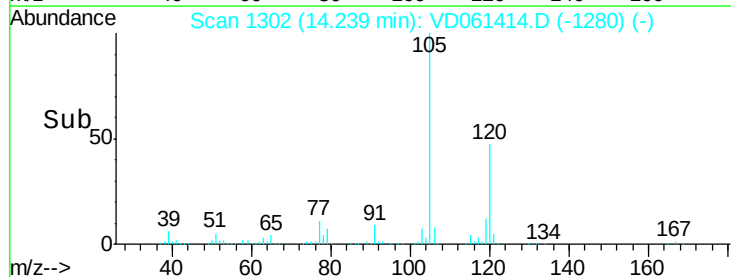
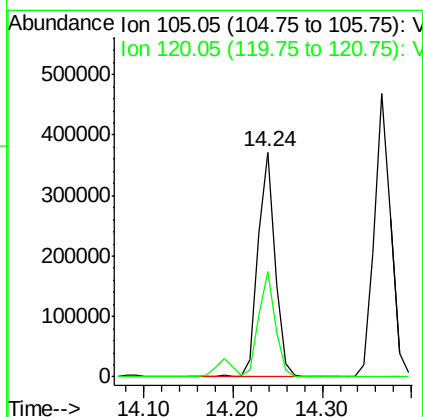
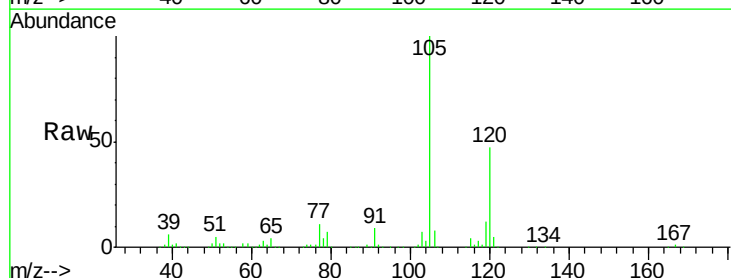
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD02

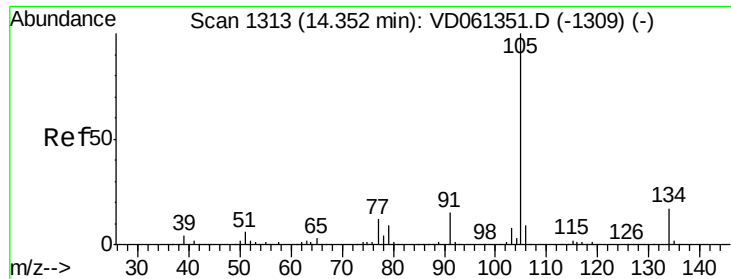
Tot Ion:119 Resp: 559495
 Ion Ratio Lower Upper
 119 100
 91 63.3 34.1 102.3
 134 23.6 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.238 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Tgt Ion:105 Resp: 485195
 Ion Ratio Lower Upper
 105 100
 120 46.9 22.8 68.4

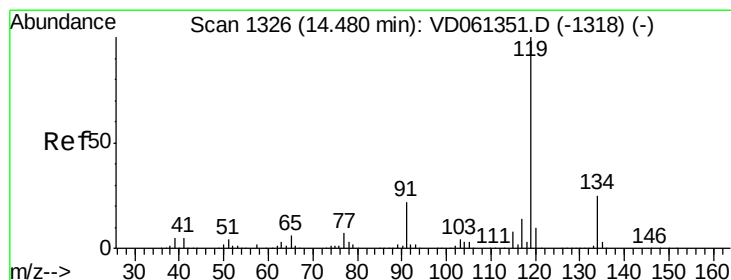
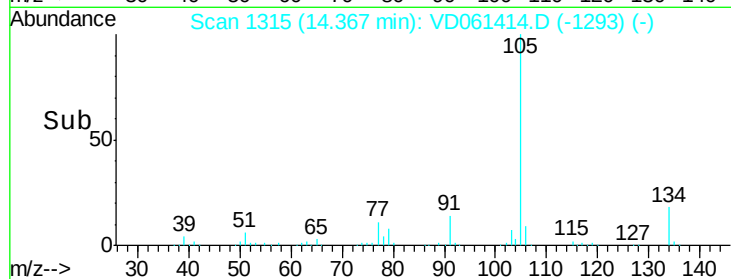
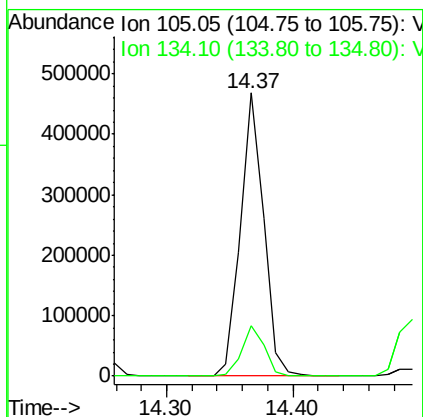
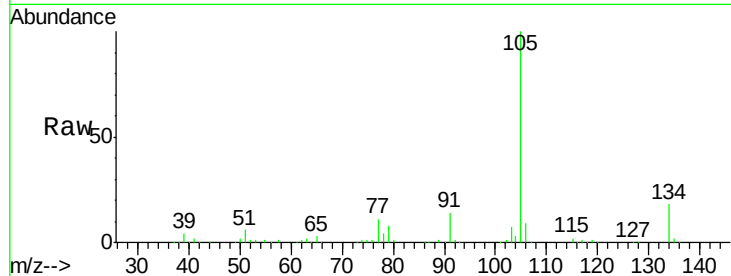




#85
 sec-Butylbenzene
 Concen: 20.105 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

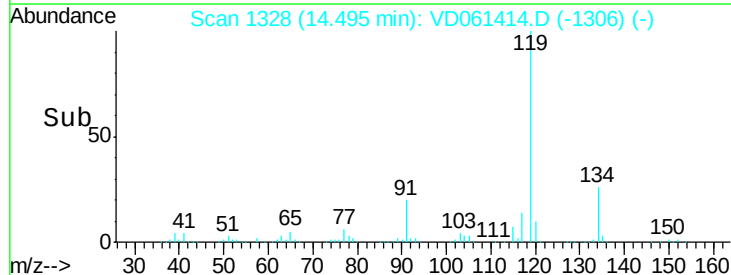
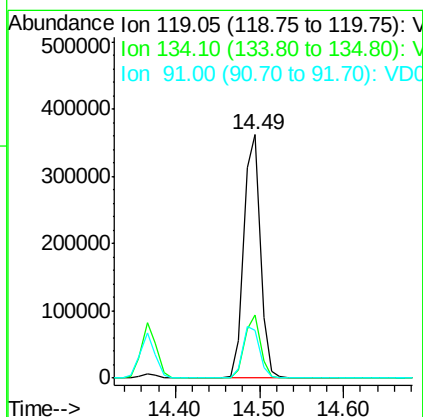
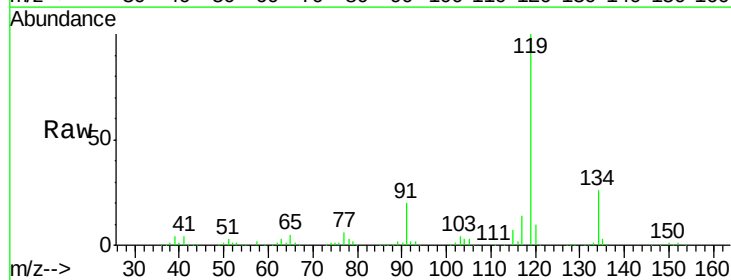
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0328SBSD02

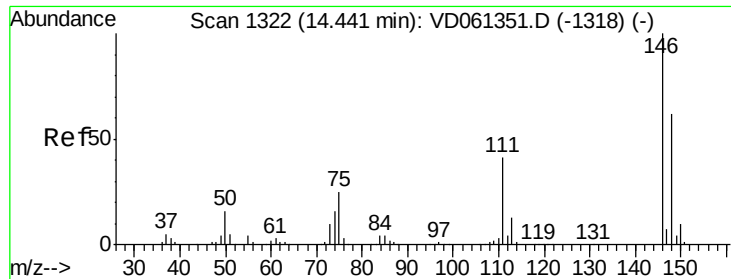
Tot Ion:105 Resp: 591075
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 19.975 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Tgt Ion:119 Resp: 496572
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.3 36.8
 91 19.8 11.1 33.1

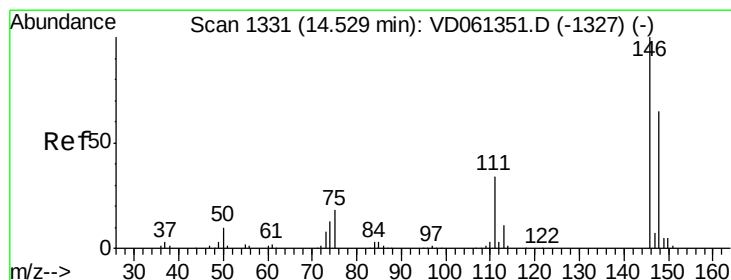
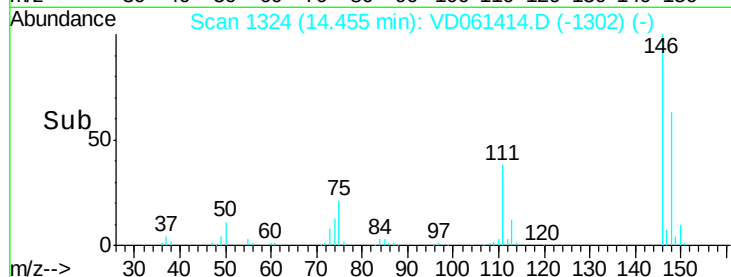
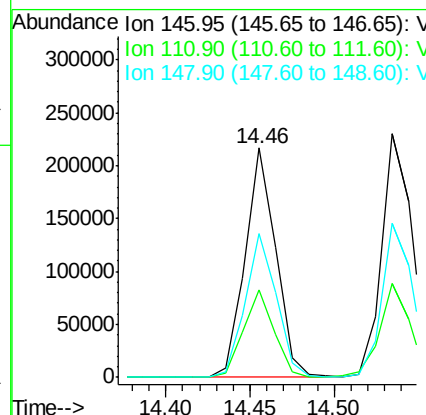
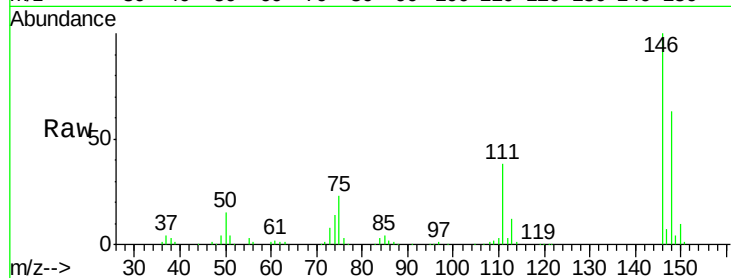




#87
 1,3-Dichlorobenzene
 Concen: 19.175 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

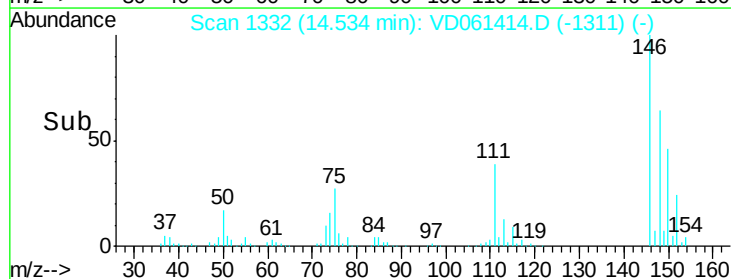
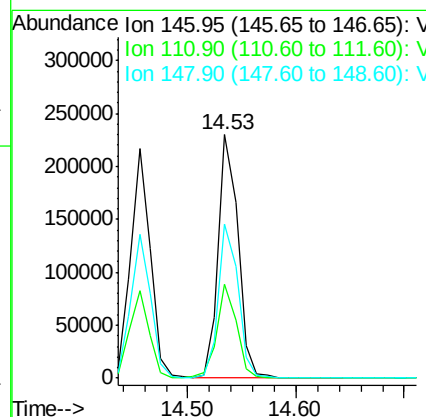
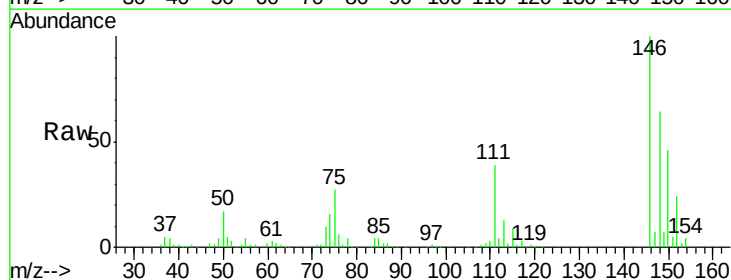
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS02

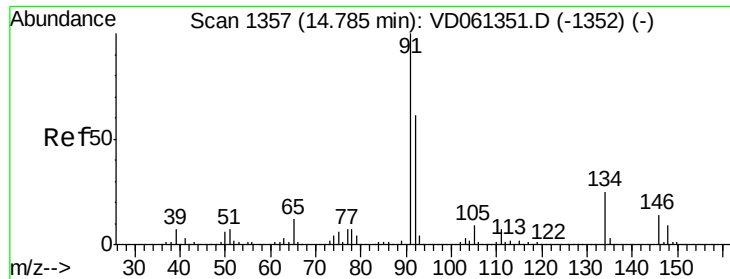
Tot Ion:146 Resp: 274735
 Ion Ratio Lower Upper
 146 100
 111 38.1 20.6 61.9
 148 62.8 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 20.948 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Tgt Ion:146 Resp: 292692
 Ion Ratio Lower Upper
 146 100
 111 38.7 16.8 50.4
 148 63.5 32.6 98.0





#89

n-Butylbenzene

Concen: 18.559 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS02

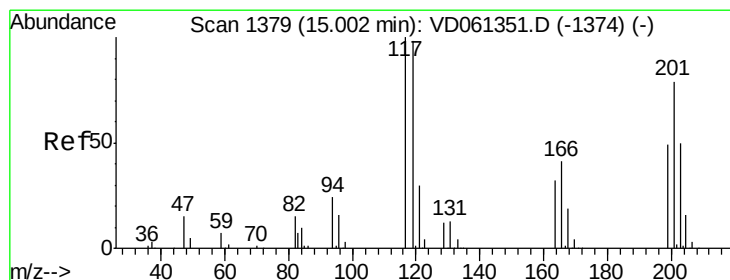
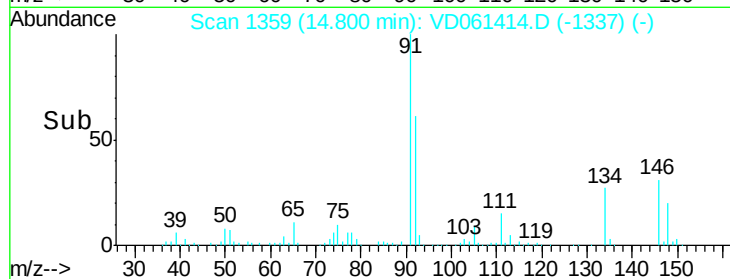
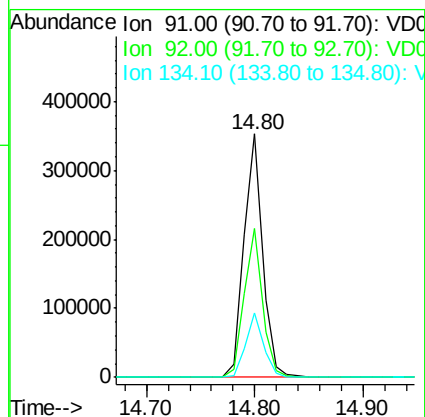
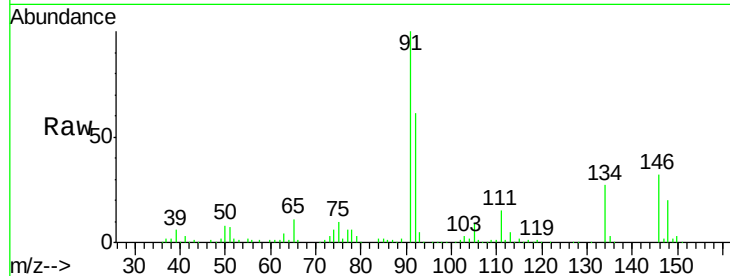
Tot Ion: 91 Resp: 423476

Ion Ratio Lower Upper

91 100

92 60.9 30.3 91.0

134 26.6 12.4 37.0



#90

Hexachloroethane

Concen: 19.505 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061414.D

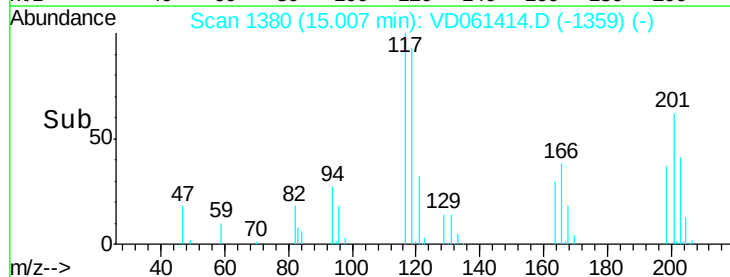
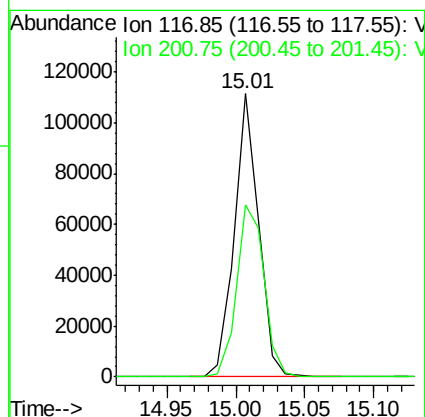
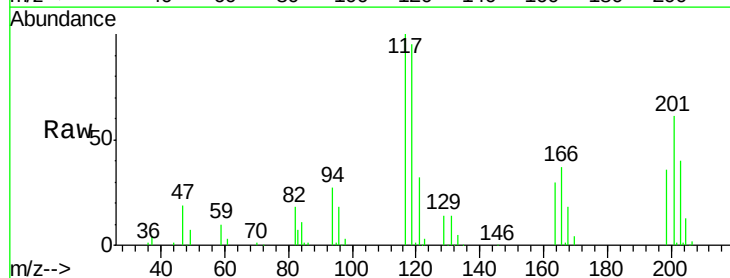
Acq: 29 Mar 2019 4:19

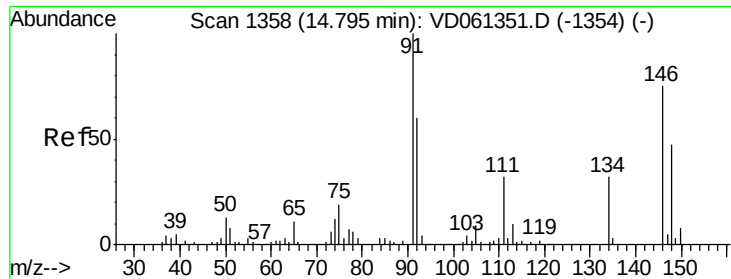
Tgt Ion: 117 Resp: 136987

Ion Ratio Lower Upper

117 100

201 60.7 39.6 119.0

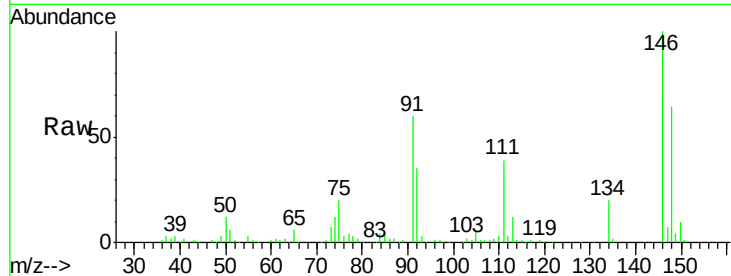




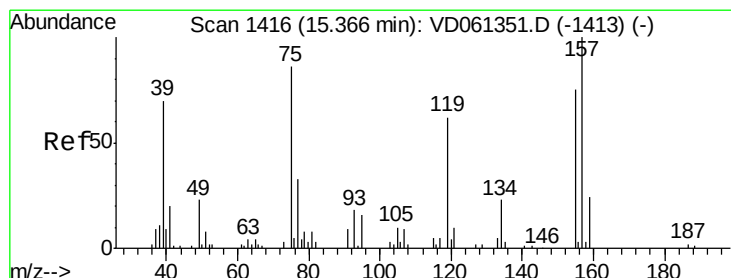
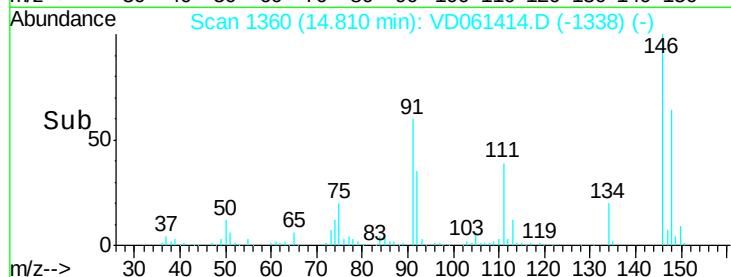
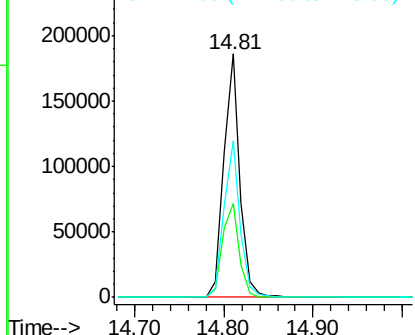
#91
 1,2-Dichlorobenzene
 Concen: 20.160 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD02

Tot Ion:146 Resp: 236926
 Ion Ratio Lower Upper
 146 100
 111 38.6 21.2 63.6
 148 64.1 31.6 95.0

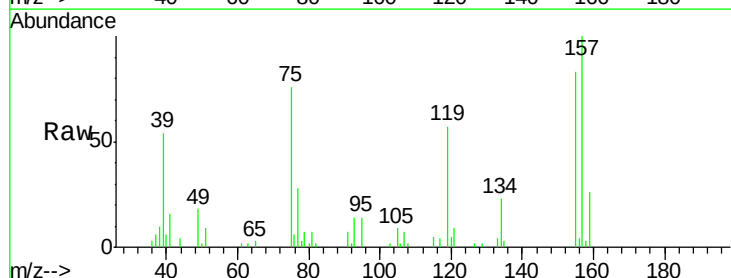


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

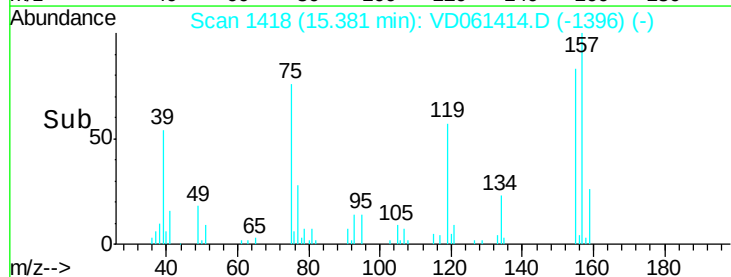
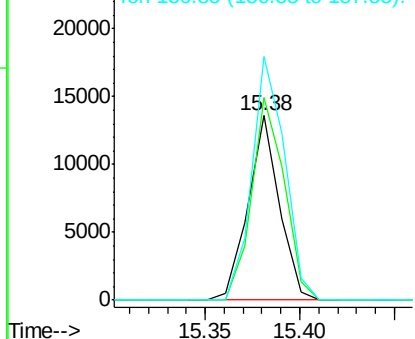


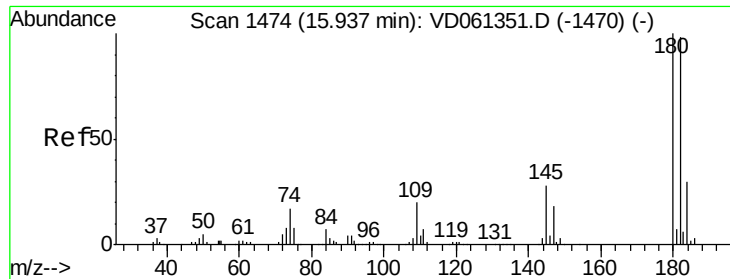
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.088 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Tgt Ion: 75 Resp: 15597
 Ion Ratio Lower Upper
 75 100
 155 109.9 43.6 130.9
 157 131.8 58.5 175.3



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

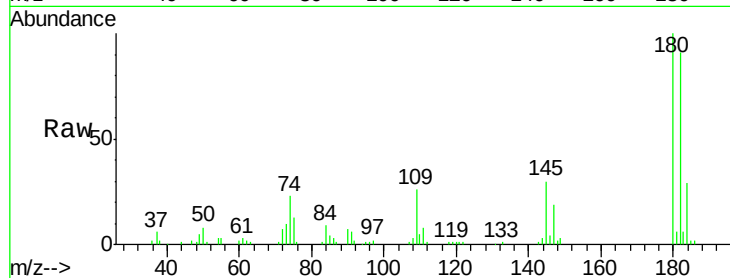




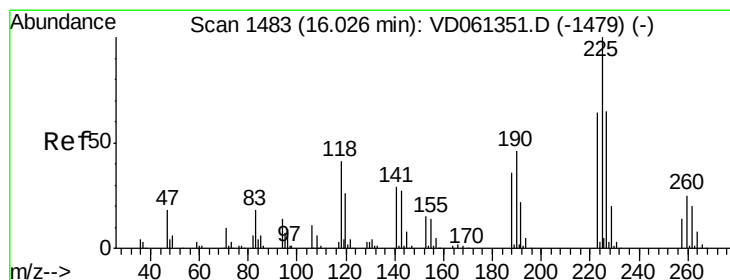
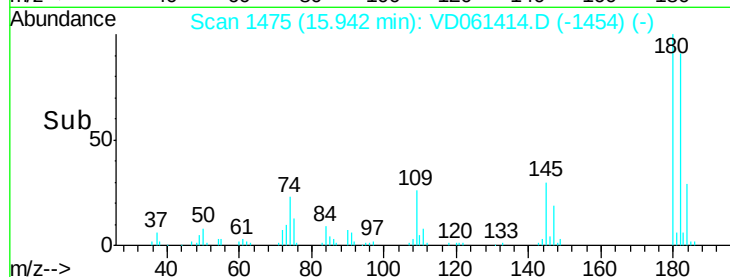
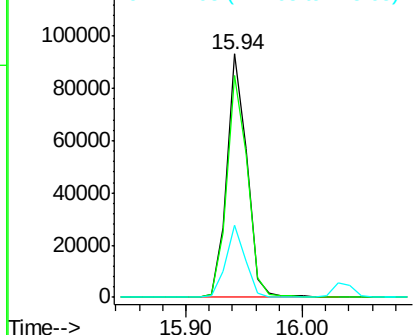
#93
 1,2,4-Trichlorobenzene
 Concen: 20.825 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD02

Tot Ion:180 Resp: 111490
 Ion Ratio Lower Upper
 180 100
 182 90.9 48.9 146.8
 145 29.5 14.1 42.3

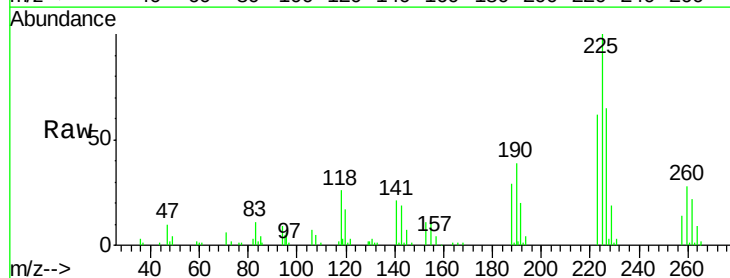


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

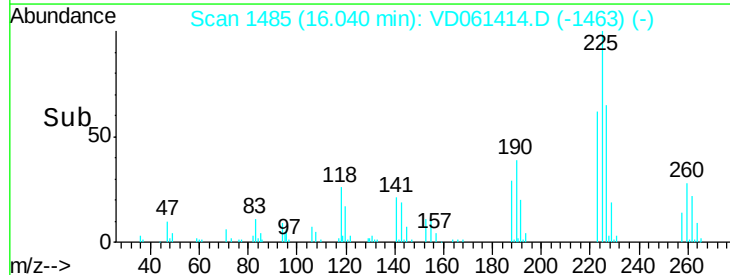
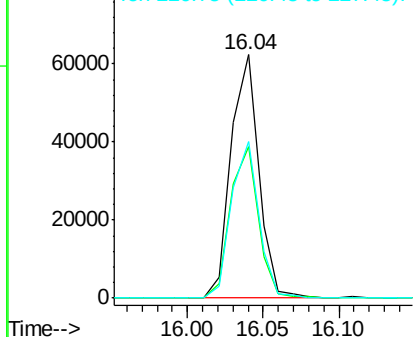


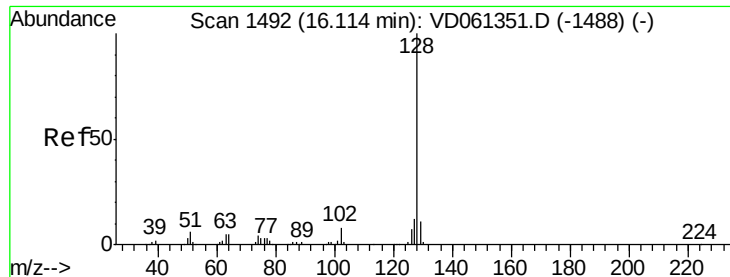
#94
 Hexachlorobutadiene
 Concen: 18.987 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061414.D
 Acq: 29 Mar 2019 4:19

Tgt Ion:225 Resp: 79433
 Ion Ratio Lower Upper
 225 100
 223 62.1 32.0 96.0
 227 64.6 32.4 97.2



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: 21.425 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBSD02

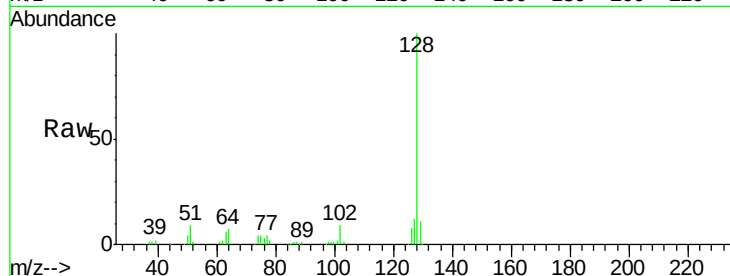
Tot Ion:128 Resp: 174841

Ion Ratio Lower Upper

128 100

127 12.0 9.9 14.9

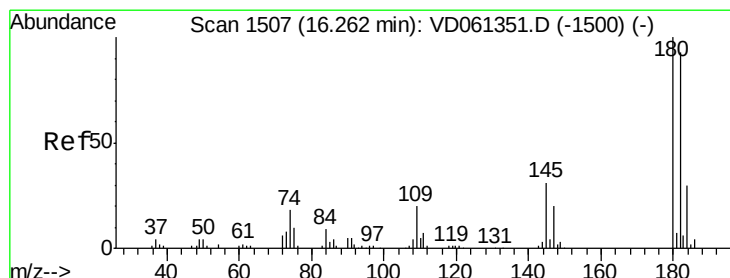
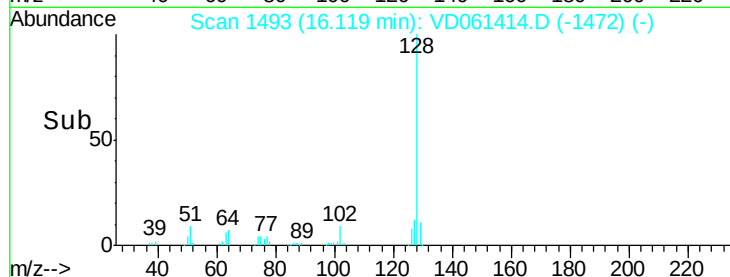
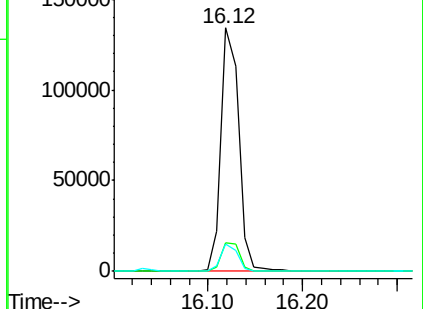
129 11.2 8.9 13.3



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: 21.912 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD061414.D

Acq: 29 Mar 2019 4:19

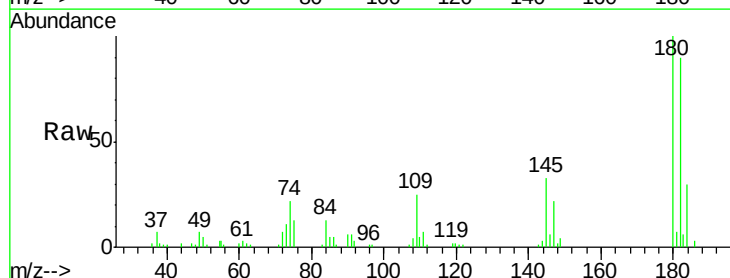
Tgt Ion:180 Resp: 51621

Ion Ratio Lower Upper

180 100

182 89.6 46.4 139.1

145 33.5 15.3 45.9



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

