

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061424.D
 Acq On : 29 Mar 2019 12:42
 Operator : VA/AP
 Sample : VD0329SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBS01

Quant Time: Mar 29 22:35:50 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	7.06	168	771619	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	1273779	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	1005634	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	409572	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	295736	44.87	ug/l	0.03
Spiked Amount			Recovery	=	89.74%	
35) Dibromofluoromethane	6.94	113	481656	49.48	ug/l	0.04
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	10.41	98	1143312	48.97	ug/l	0.03
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	13.55	95	404882	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	164829	20.002	ug/l	100
3) Chloromethane	1.77	50	139038	20.688	ug/l	100
4) Vinyl Chloride	1.87	62	132009	21.393	ug/l	95
5) Bromomethane	2.16	94	22465	18.359	ug/l #	82
6) Chloroethane	2.28	64	37082	20.492	ug/l	95
7) Trichlorofluoromethane	2.55	101	177012	19.727	ug/l	99
8) Diethyl Ether	2.89	74	50260	17.397	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.17	101	195447	20.260	ug/l	94
10) Methyl Iodide	3.32	142	227986	17.934	ug/l	97
11) Tert butyl alcohol	4.07	59	38243	93.163	ug/l #	92
12) 1,1-Dichloroethene	3.14	96	168836	20.385	ug/l	99
13) Acrolein	3.05	56	34367	95.744	ug/l	94
14) Allyl chloride	3.63	41	245060	21.214	ug/l	93
15) Acrylonitrile	4.21	53	132802	93.211	ug/l	96
16) Acetone	3.24	43	147543	87.074	ug/l	95
17) Carbon Disulfide	3.39	76	541633	20.128	ug/l	99
18) Methyl Acetate	3.66	43	70478	19.782	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	275755	19.234	ug/l	96
20) Methylene Chloride	3.84	84	216383	21.709	ug/l	99
21) trans-1,2-Dichloroethene	4.24	96	183608	20.533	ug/l	97
22) Diisopropyl ether	5.14	45	504400	20.634	ug/l	99
23) Vinyl Acetate	5.07	43	1278636	96.292	ug/l	98
24) 1,1-Dichloroethane	5.00	63	280335	19.513	ug/l	100
25) 2-Butanone	6.08	43	196363	92.126	ug/l	97
26) 2,2-Dichloropropane	6.04	77	245844	21.527	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	204935	20.918	ug/l	94
28) Bromochloromethane	6.46	49	114805	19.797	ug/l #	94
29) Tetrahydrofuran	6.47	42	100681	97.454	ug/l	97
30) Chloroform	6.68	83	302935	20.407	ug/l	100
31) Cyclohexane	6.97	56	247853	21.832	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	271685	20.746	ug/l	98
36) 1,1-Dichloropropene	7.15	75	227328	20.448	ug/l	97
37) Ethyl Acetate	6.19	43	88865	18.690	ug/l	96
38) Carbon Tetrachloride	7.12	117	262039	20.512	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.88	83	238892	20.632	ug/l	97
40) Benzene	7.47	78	566632	20.309	ug/l	94
41) Methacrylonitrile	6.46	41	111801	20.111	ug/l #	98
42) 1,2-Dichloroethane	7.59	62	163233	19.558	ug/l	98
43) Isopropyl Acetate	9.24	43	135583	19.599	ug/l	97
44) Trichloroethene	8.55	130	222692	21.447	ug/l	95
45) 1,2-Dichloropropane	8.95	63	152630	21.573	ug/l	93
46) Dibromomethane	9.06	93	97197	20.411	ug/l	92
47) Bromodichloromethane	9.38	83	225249	21.075	ug/l	97
48) Methyl methacrylate	9.12	41	80222	21.012	ug/l	94
49) 1,4-Dioxane	9.09	88	17415	413.554	ug/l	93
51) 4-Methyl-2-Pentanone	10.30	43	422481	100.382	ug/l	99
52) Toluene	10.51	92	377259	22.163	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	200639	20.662	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	246071	20.811	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	111313	18.699	ug/l	94
56) Ethyl methacrylate	11.04	69	123558	19.321	ug/l	92
57) 1,3-Dichloropropane	11.41	76	176077	20.124	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	306645	98.462	ug/l	95
59) 2-Hexanone	11.53	43	288251	94.528	ug/l	97
60) Dibromochloromethane	11.69	129	180894	19.712	ug/l	96
61) 1,2-Dibromoethane	11.81	107	139741	20.272	ug/l	96
64) Tetrachloroethene	11.26	164	154981	19.637	ug/l	98
65) Chlorobenzene	12.40	112	441688	21.491	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	174645	21.947	ug/l	98
67) Ethyl Benzene	12.53	91	728805	23.233	ug/l	98
68) m/p-Xylenes	12.67	106	517122	43.518	ug/l	97
69) o-Xylene	13.05	106	254061	22.032	ug/l	99
70) Styrene	13.07	104	441118	21.944	ug/l	96
71) Bromoform	13.24	173	99202	19.666	ug/l	98
73) Isopropylbenzene	13.41	105	685600	24.051	ug/l	99
74) N-amyl acetate	13.27	43	167467	21.089	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	130254	21.661	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	120283	20.331	ug/l	99
77) Bromobenzene	13.67	156	186529	22.072	ug/l	90
78) n-propylbenzene	13.78	91	789729	22.638	ug/l	99
79) 2-Chlorotoluene	13.84	91	449646	23.739	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	518872	23.460	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	37131	20.584	ug/l	97
82) 4-Chlorotoluene	13.95	91	487100	23.651	ug/l	92
83) tert-Butylbenzene	14.19	119	576944	20.873	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	552728	23.084	ug/l	99
85) sec-Butylbenzene	14.37	105	692675	23.590	ug/l	99
86) p-Isopropyltoluene	14.49	119	556415	22.409	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	312938	21.868	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	311527	22.323	ug/l	96
89) n-Butylbenzene	14.80	91	537570	23.588	ug/l	98
90) Hexachloroethane	15.01	117	159593	22.751	ug/l	84
91) 1,2-Dichlorobenzene	14.81	146	263828	22.476	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14505	20.567	ug/l	54

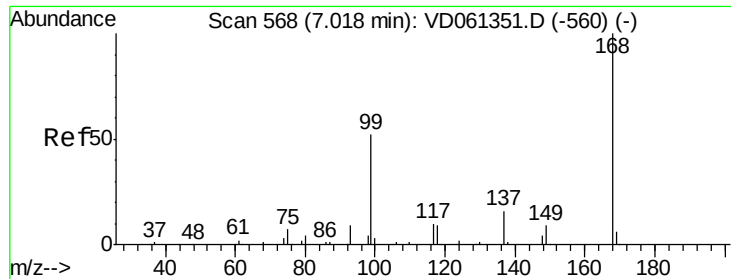
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032919\
Data File : VD061424.D
Acq On : 29 Mar 2019 12:42
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	118822	22.222	ug/l	97
94) Hexachlorobutadiene	16.04	225	91114	21.806	ug/l	96
95) Naphthalene	16.12	128	176309	21.632	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	51393	21.842	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

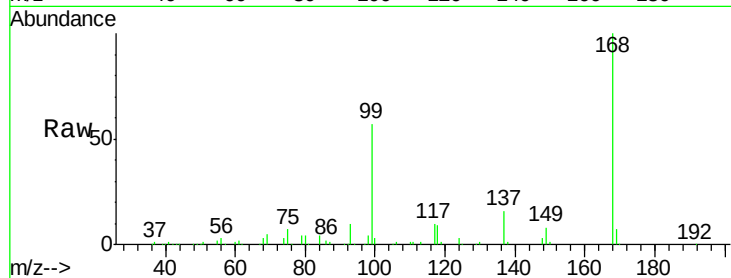
VD0329SBS01

Tot Ion:168 Resp: 771619

Ion Ratio Lower Upper

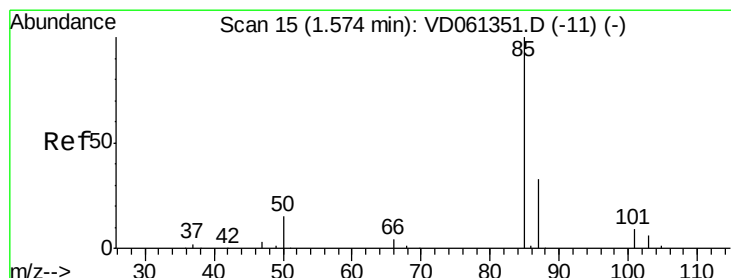
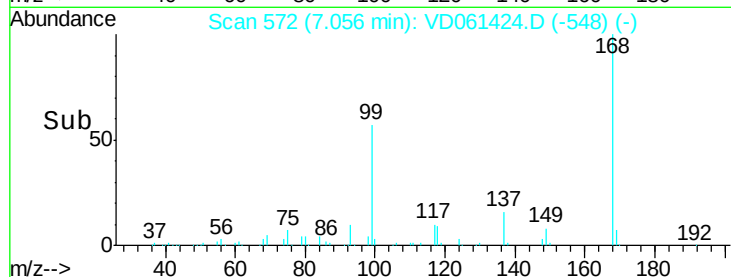
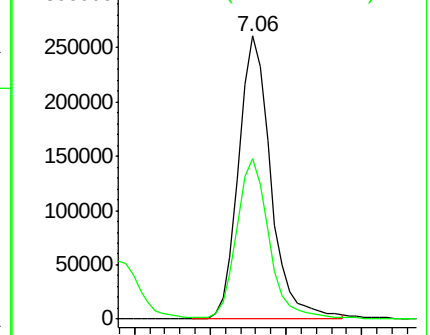
168 100

99 56.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.002 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD061424.D

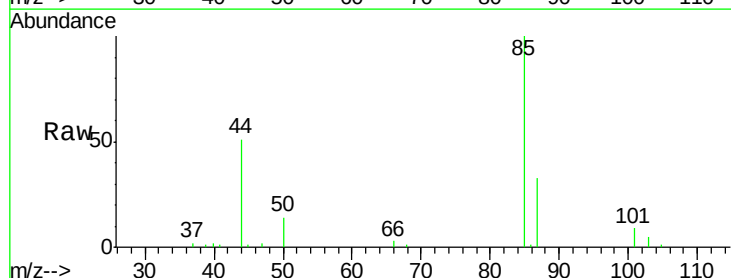
Acq: 29 Mar 2019 12:42

Tgt Ion: 85 Resp: 164829

Ion Ratio Lower Upper

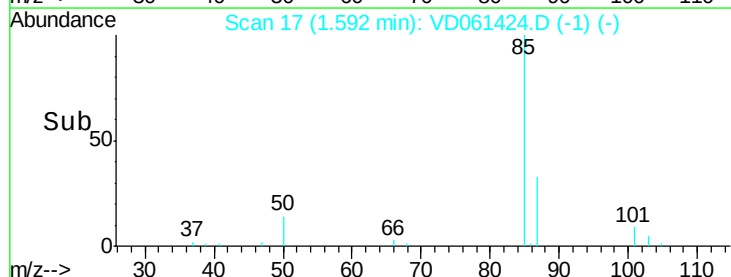
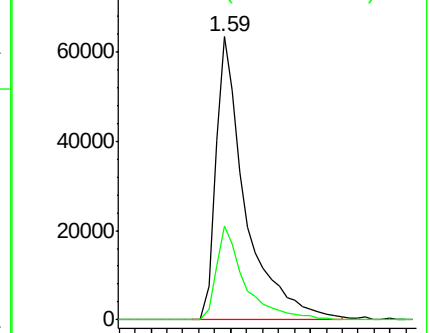
85 100

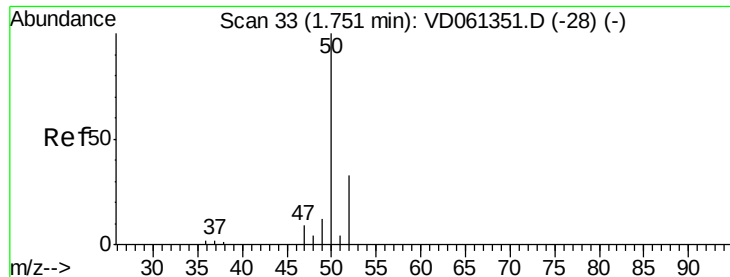
87 33.0 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.688 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.02 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

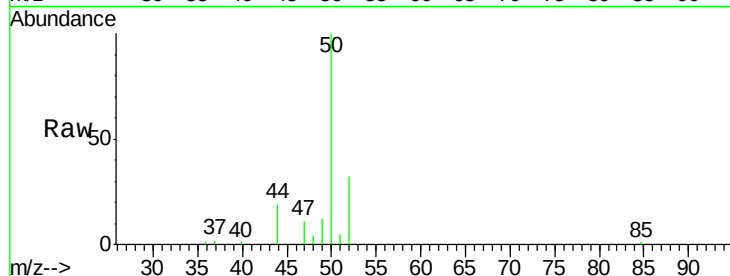
VD0329SBS01

Tot Ion: 50 Resp: 139038

Ion Ratio Lower Upper

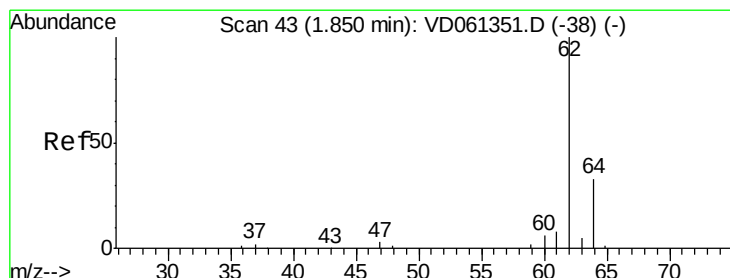
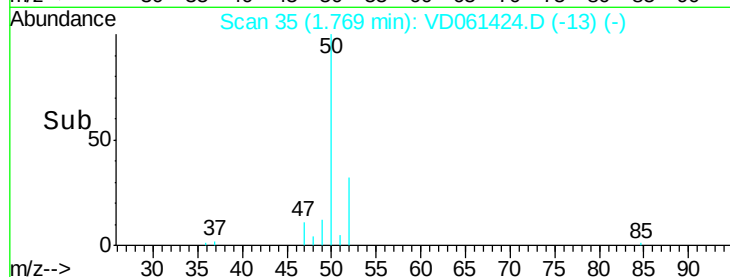
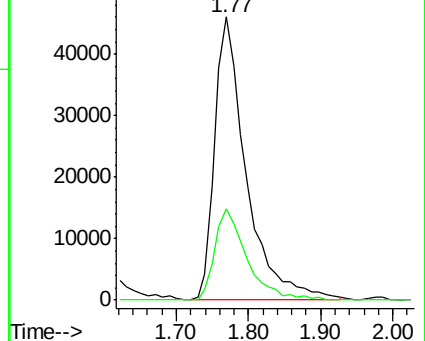
50 100

52 32.4 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: 21.393 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.02 min

Lab File: VD061424.D

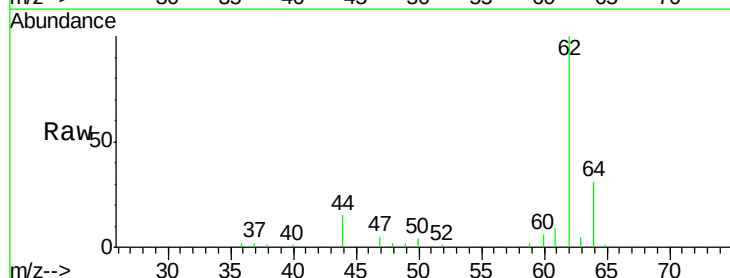
Acq: 29 Mar 2019 12:42

Tgt Ion: 62 Resp: 132009

Ion Ratio Lower Upper

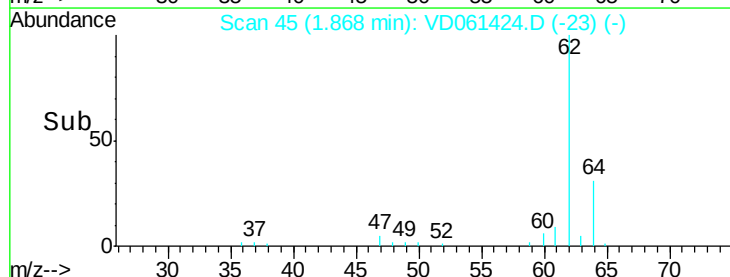
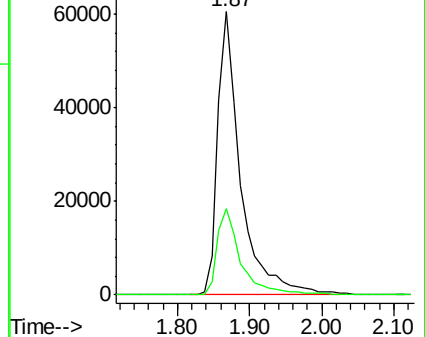
62 100

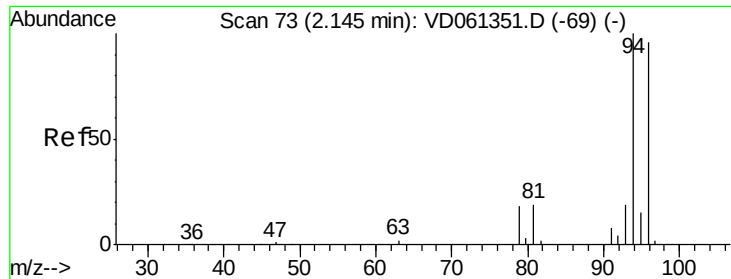
64 30.6 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

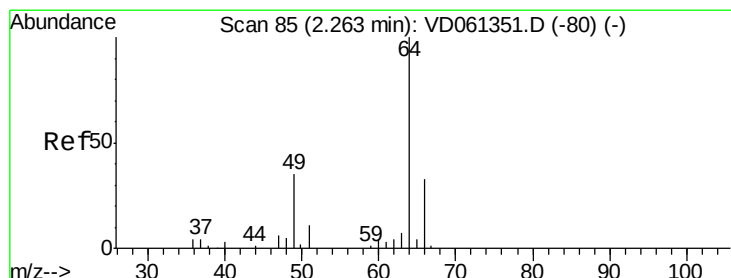
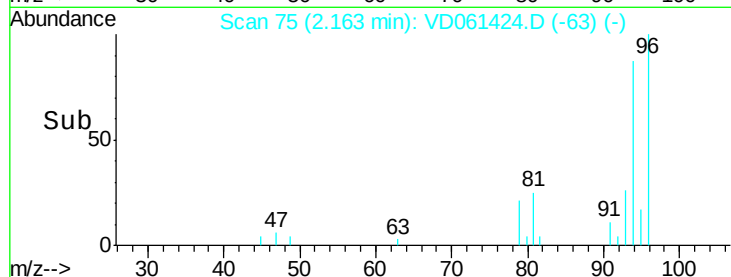
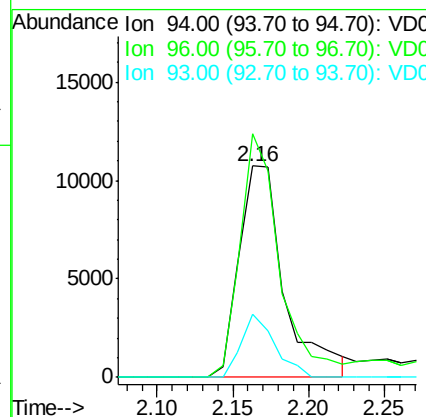
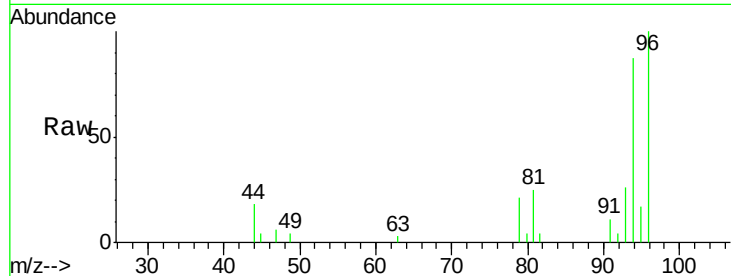




#5
Bromomethane
Concen: 18.359 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.02 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

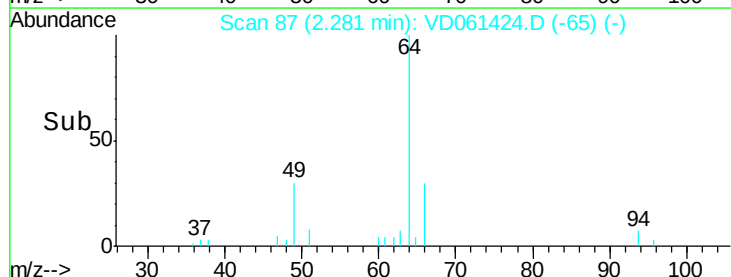
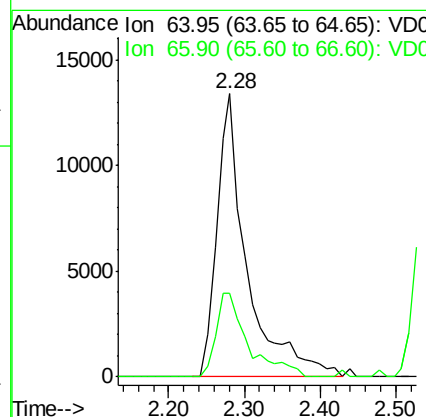
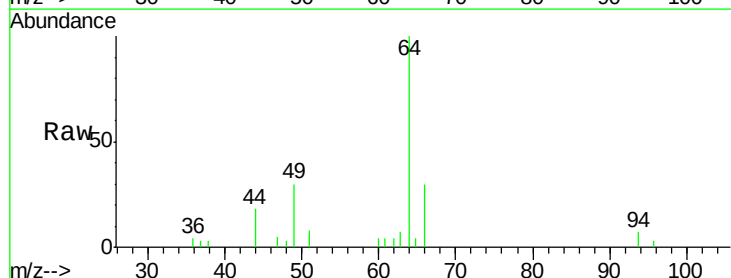
Instrument :
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ClientSampleId :
VD0329SBS01

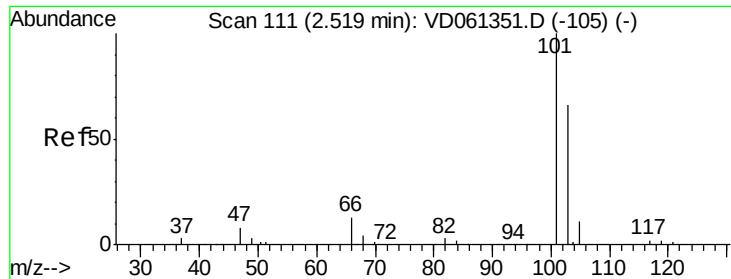
Tot Ion: 94 Resp: 22465
Ion Ratio Lower Upper
94 100
96 115.2 78.3 117.5
93 30.1 15.6 23.4#



#6
Chloroethane
Concen: 20.492 ug/l
RT: 2.28 min Scan# 87
Delta R.T. 0.02 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Tgt Ion: 64 Resp: 37082
Ion Ratio Lower Upper
64 100
66 29.7 26.2 39.2



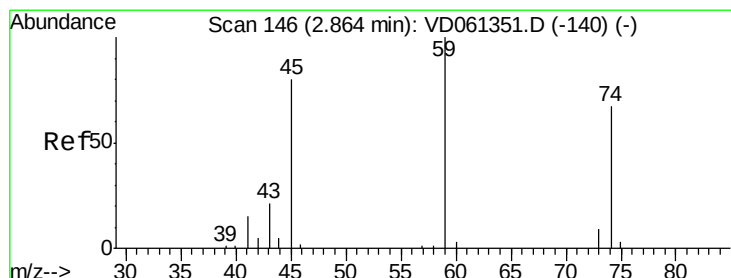
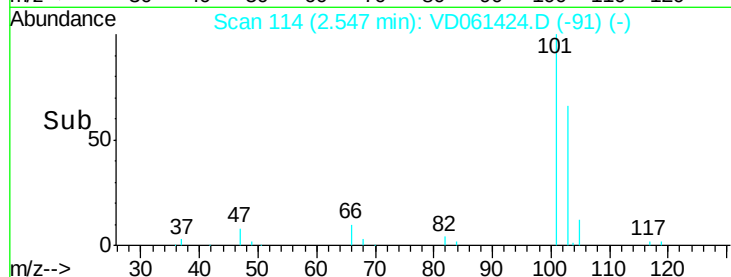
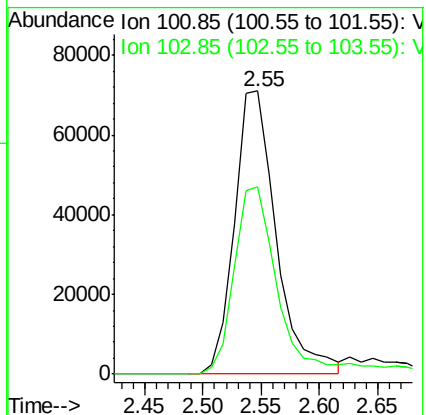
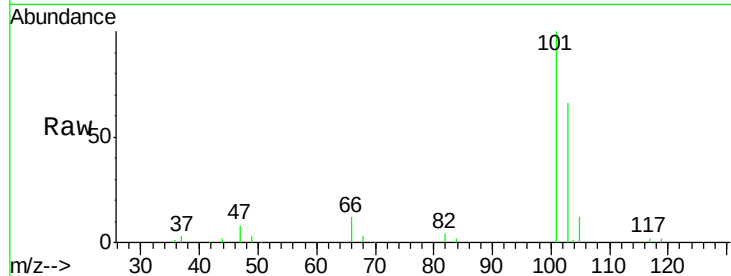


#7

Trichlorofluoromethane
 Concen: 19.727 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. 0.03 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBS01

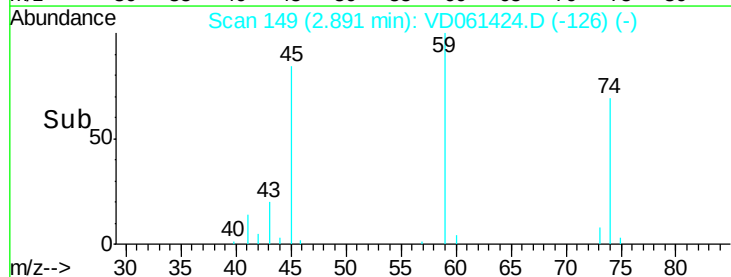
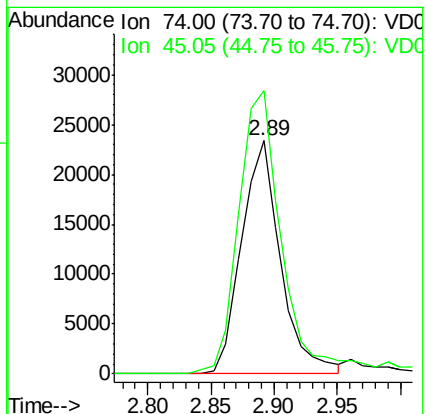
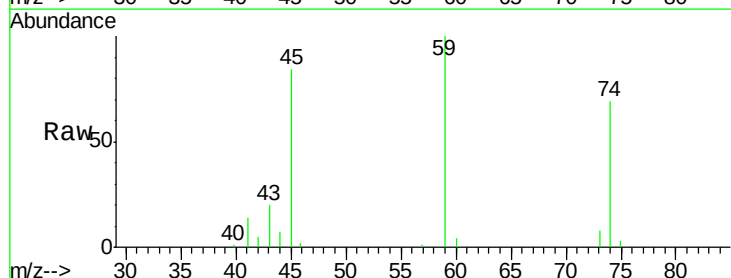
Tot Ion:101 Resp: 177012
 Ion Ratio Lower Upper
 101 100
 103 66.0 53.1 79.7

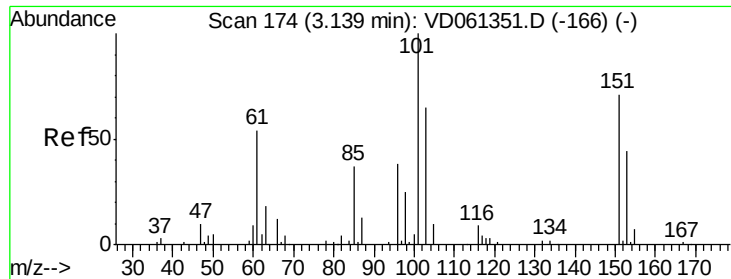


#8

Diethyl Ether
 Concen: 17.397 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.03 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

Tgt Ion: 74 Resp: 50260
 Ion Ratio Lower Upper
 74 100
 45 121.3 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.260 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.03 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

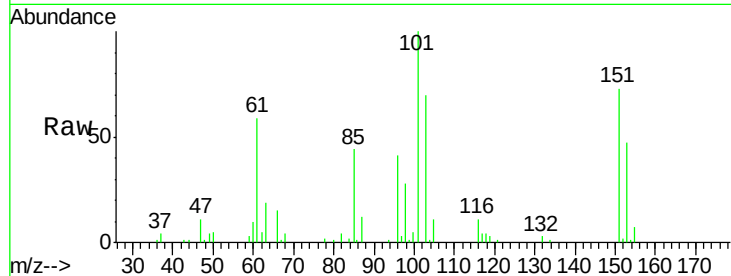
Tot Ion:101 Resp: 195447

Ion Ratio Lower Upper

101 100

85 43.7 29.4 44.0

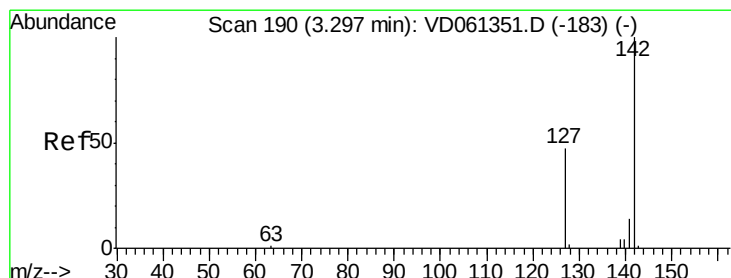
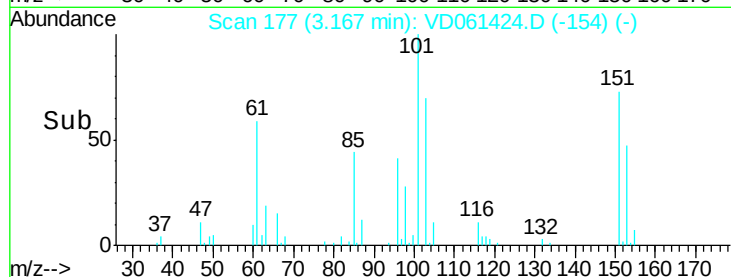
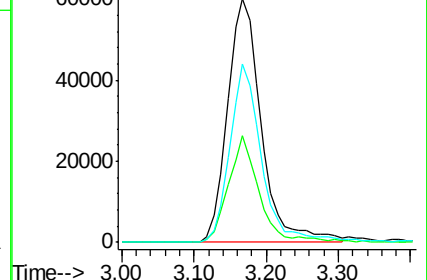
151 73.2 57.0 85.4



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: 17.934 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

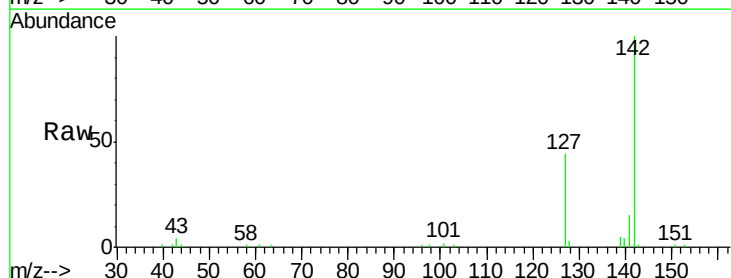
Tgt Ion:142 Resp: 227986

Ion Ratio Lower Upper

142 100

127 44.3 37.7 56.5

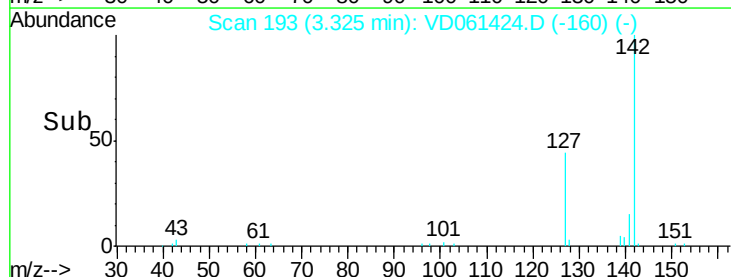
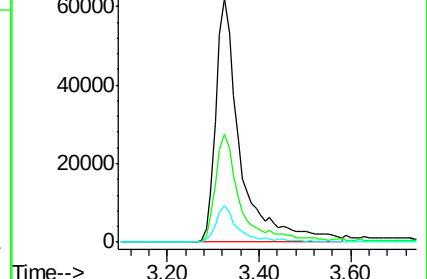
141 14.6 11.5 17.3

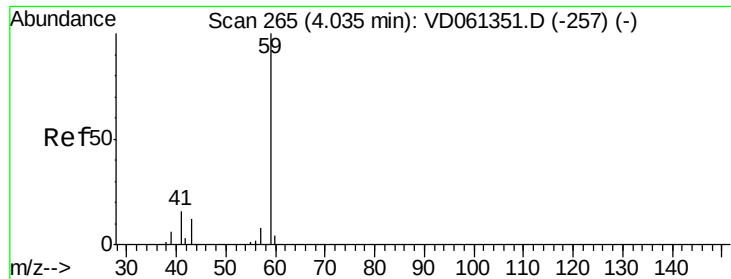


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



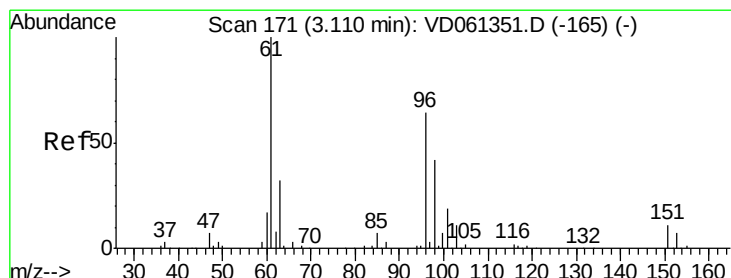
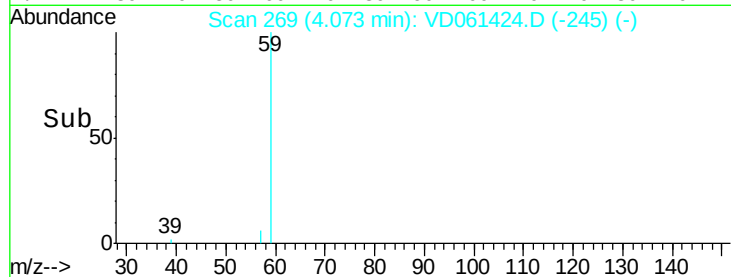
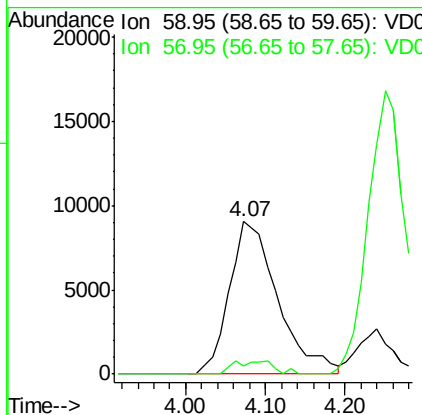
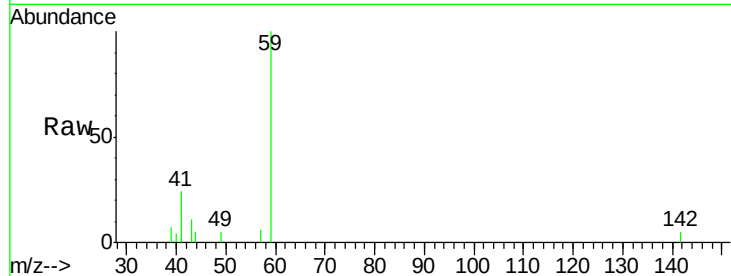


#11

Tert butyl alcohol
Concen: 93.163 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.04 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0329SBS01

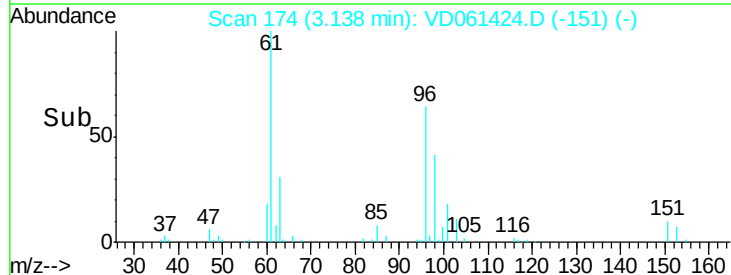
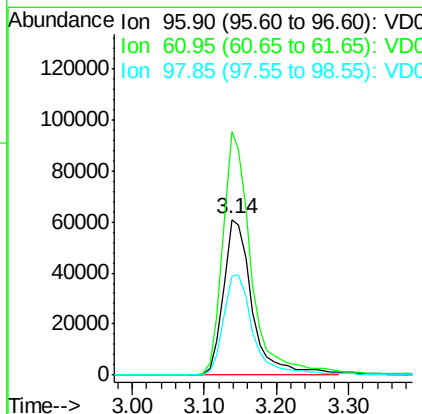
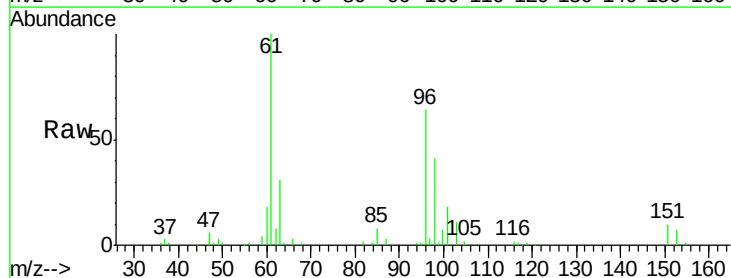
Tot Ion: 59 Resp: 38243
Ion Ratio Lower Upper
59 100
57 5.6 6.7 10.1#

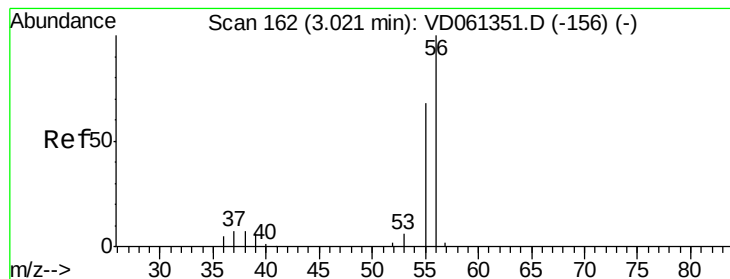


#12

1,1-Dichloroethene
Concen: 20.385 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.03 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Tgt Ion: 96 Resp: 168836
Ion Ratio Lower Upper
96 100
61 156.2 124.9 187.3
98 63.9 52.5 78.7





#13

Acrolein

Concen: 95.744 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

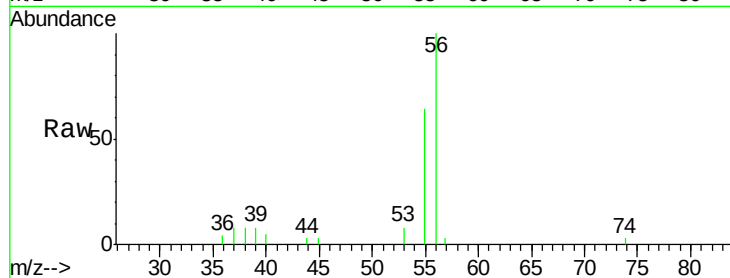
VD0329SBS01

Tot Ion: 56 Resp: 34367

Ion Ratio Lower Upper

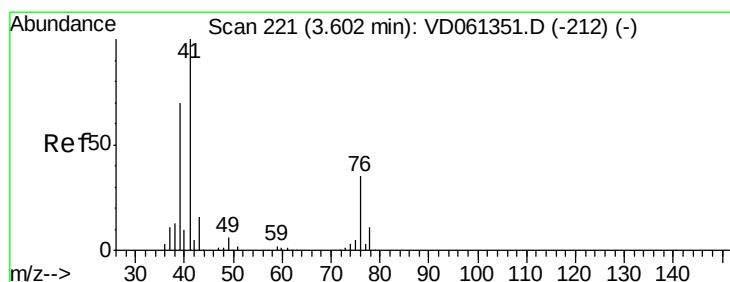
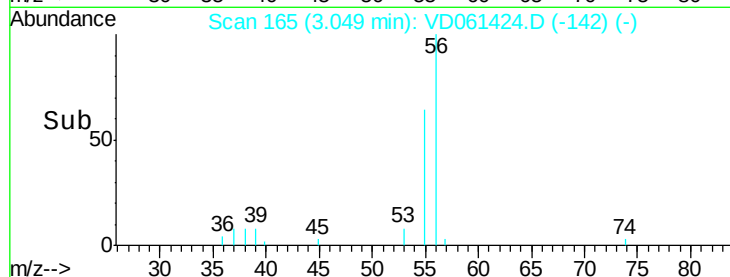
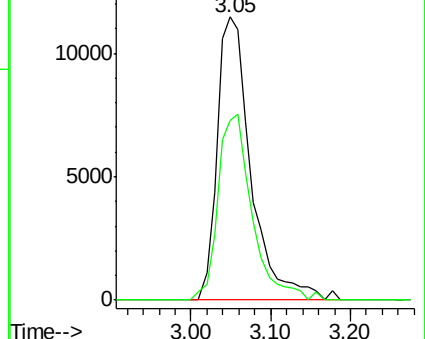
56 100

55 63.5 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: 21.214 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

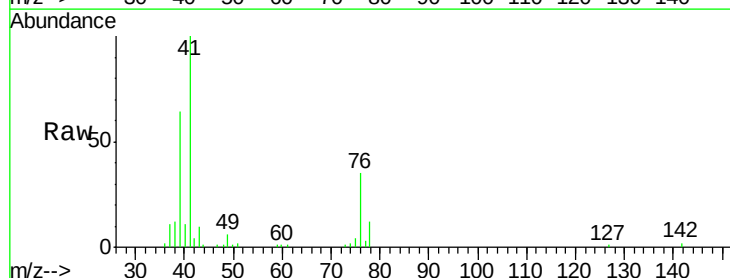
Tgt Ion: 41 Resp: 245060

Ion Ratio Lower Upper

41 100

39 64.2 55.6 83.4

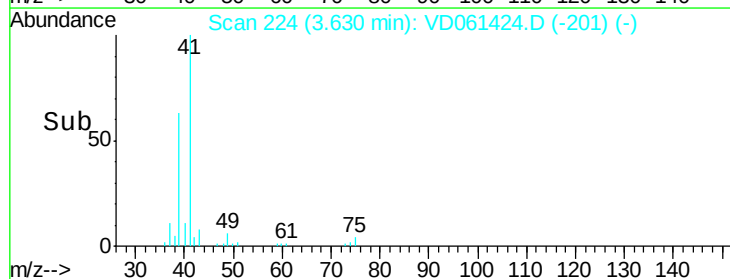
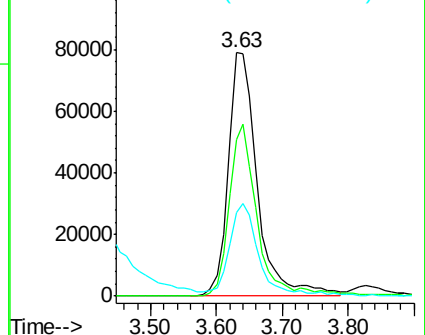
76 34.6 31.0 46.6

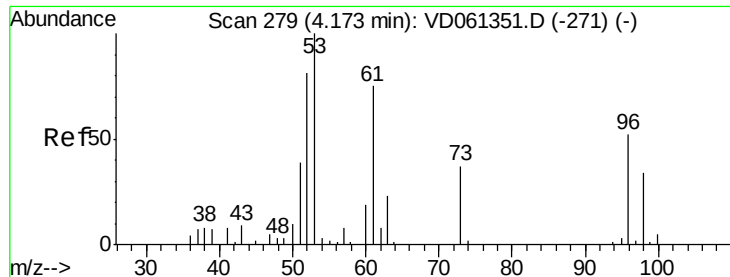


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 93.211 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.04 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

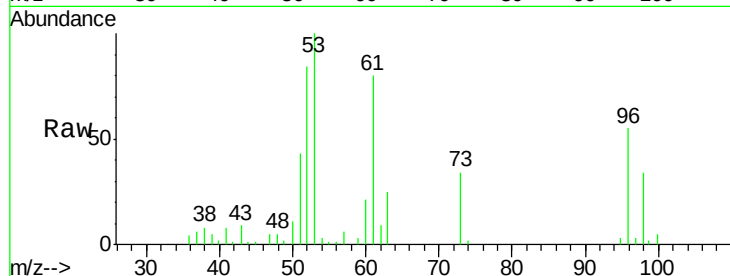
Tot Ion: 53 Resp: 132802

Ion Ratio Lower Upper

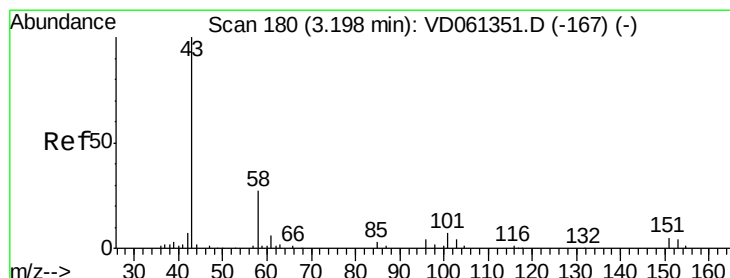
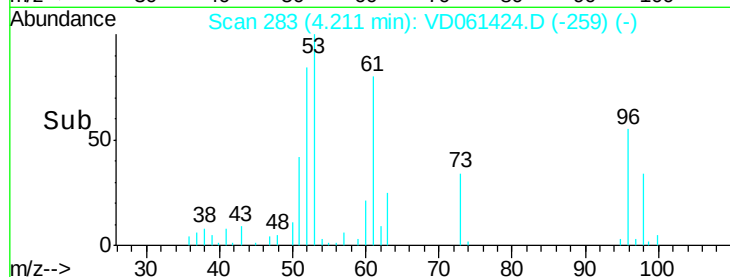
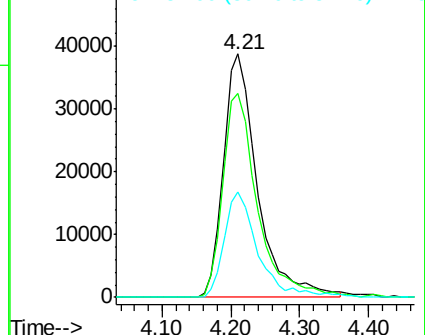
53 100

52 83.5 64.8 97.2

51 43.2 31.4 47.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 87.074 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD061424.D

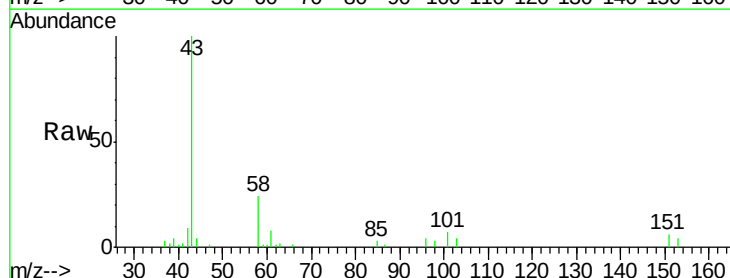
Acq: 29 Mar 2019 12:42

Tgt Ion: 43 Resp: 147543

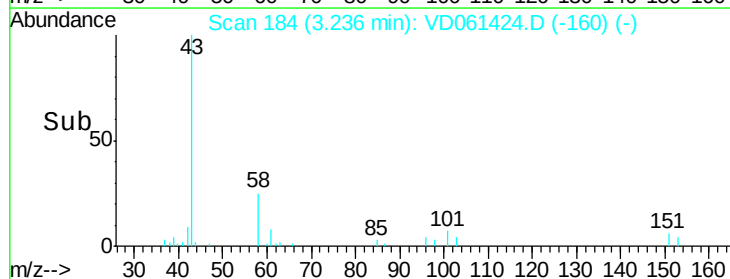
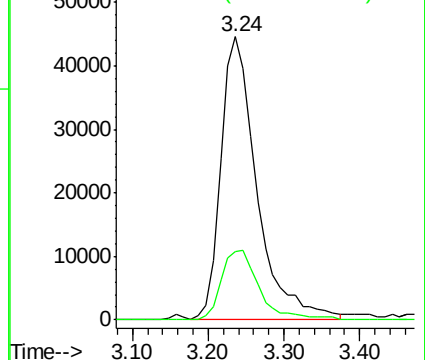
Ion Ratio Lower Upper

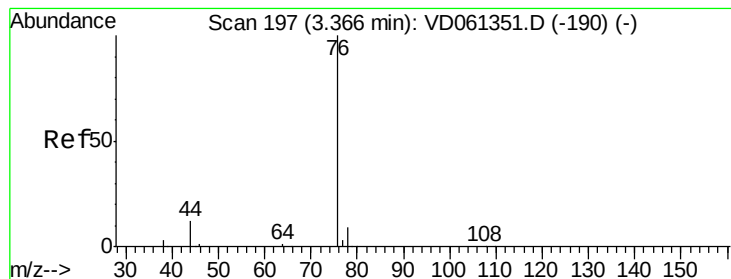
43 100

58 24.3 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.128 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.03 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

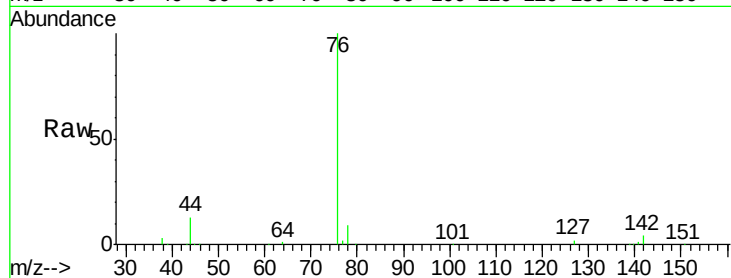
VD0329SBS01

Tot Ion: 76 Resp: 541633

Ion Ratio Lower Upper

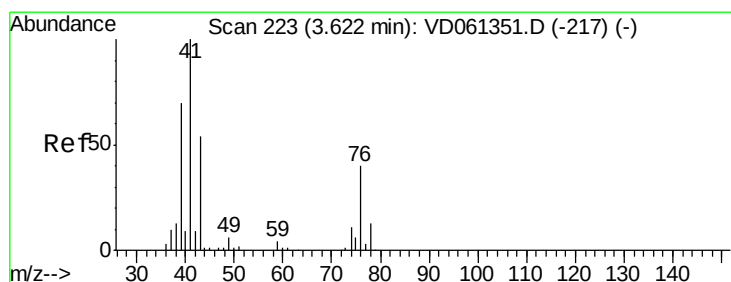
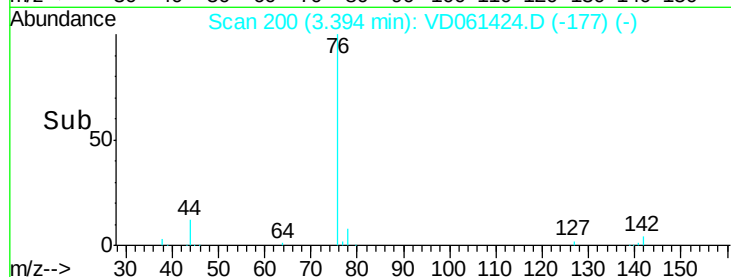
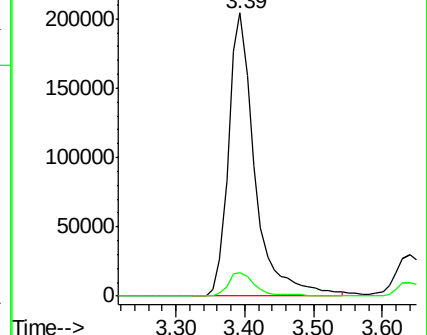
76 100

78 8.5 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 19.782 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.04 min

Lab File: VD061424.D

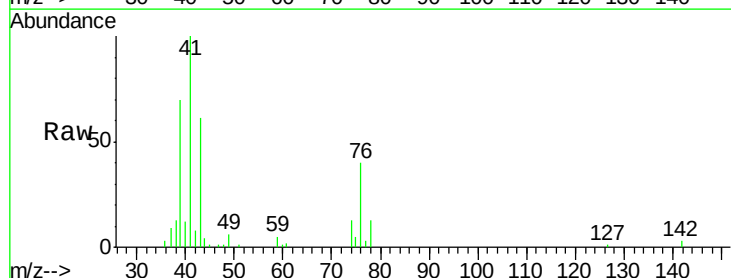
Acq: 29 Mar 2019 12:42

Tgt Ion: 43 Resp: 70478

Ion Ratio Lower Upper

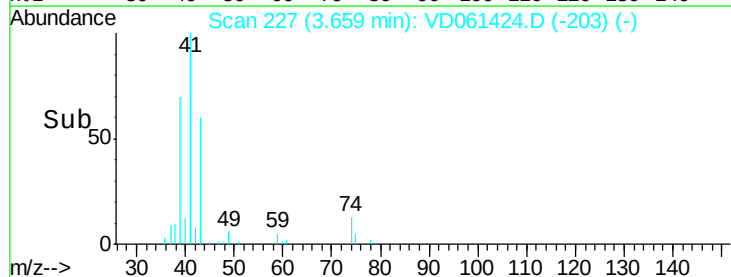
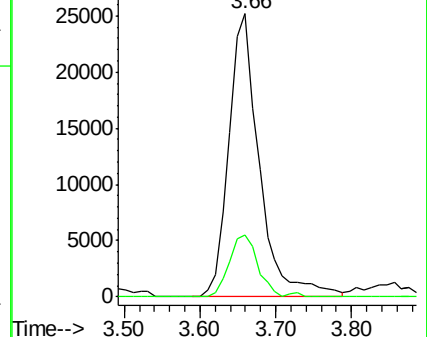
43 100

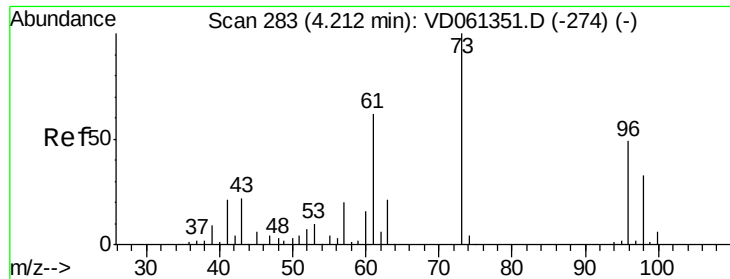
74 21.8 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

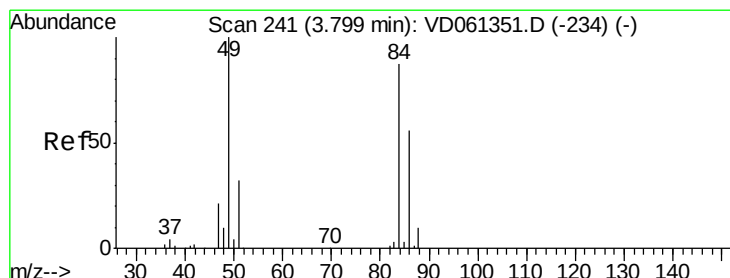
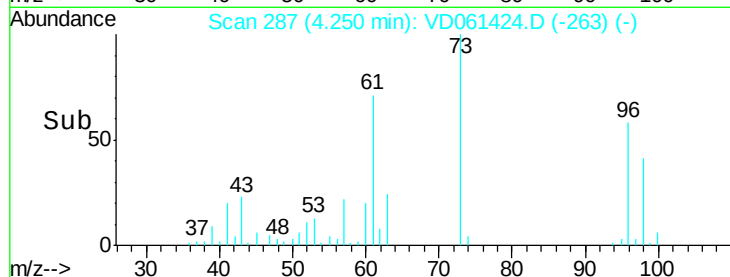
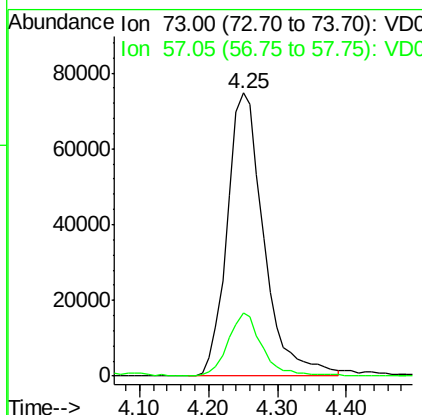
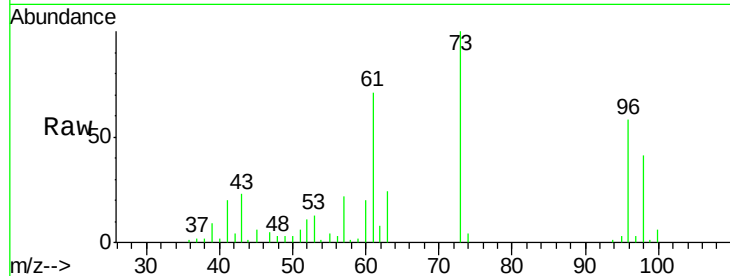




#19
Methyl tert-butyl Ether
Concen: 19.234 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

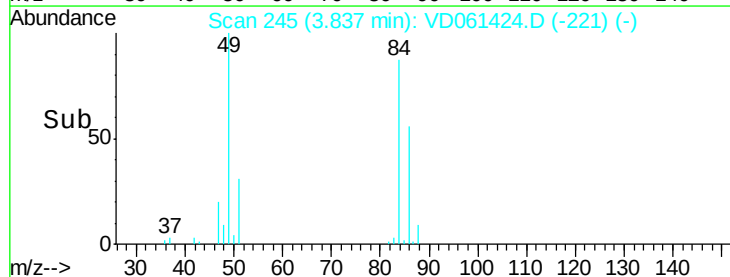
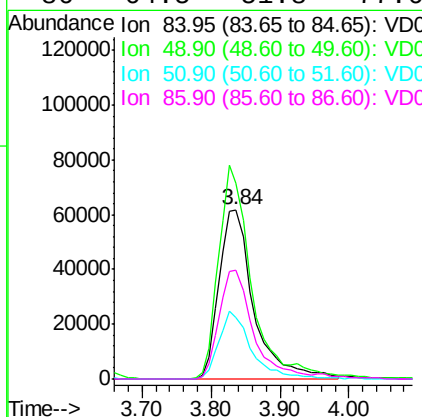
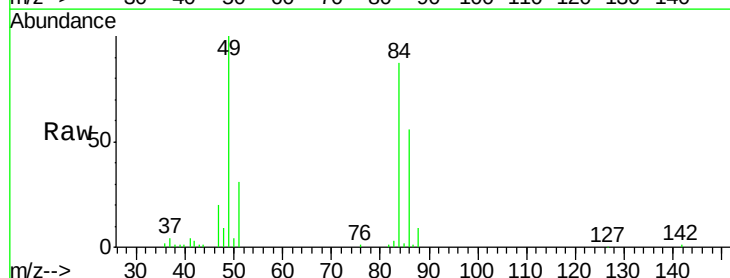
Instrument :
MSVOA_D
ClientSampleId :
VD0329SBS01

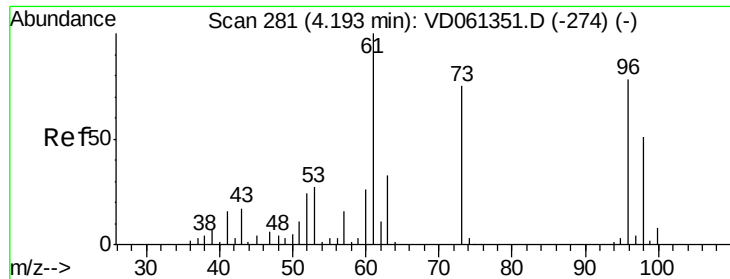
Tot Ion: 73 Resp: 275755
Ion Ratio Lower Upper
73 100
57 22.5 16.4 24.6



#20
Methylene Chloride
Concen: 21.709 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Tgt Ion: 84 Resp: 216383
Ion Ratio Lower Upper
84 100
49 115.5 91.8 137.8
51 36.3 29.8 44.8
86 64.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.533 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.05 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

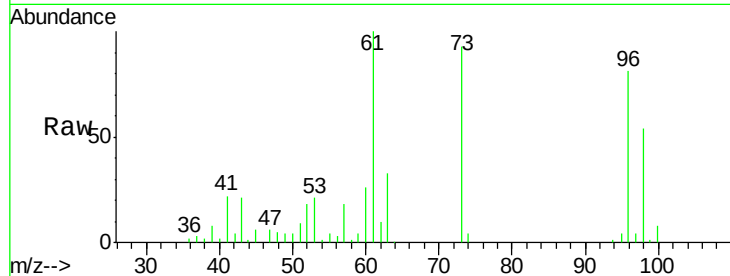
Tot Ion: 96 Resp: 183608

Ion Ratio Lower Upper

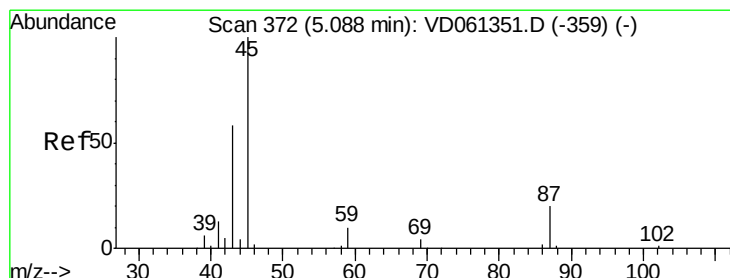
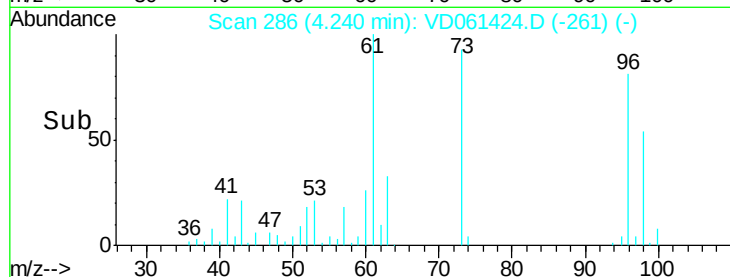
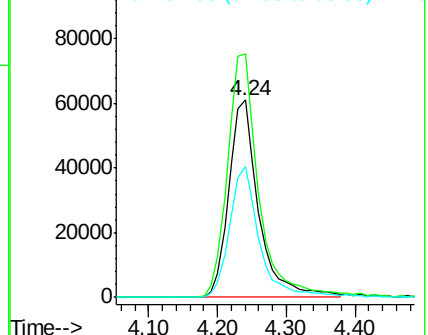
96 100

61 123.5 102.7 154.1

98 66.3 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: 20.634 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.05 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Tgt Ion: 45 Resp: 504400

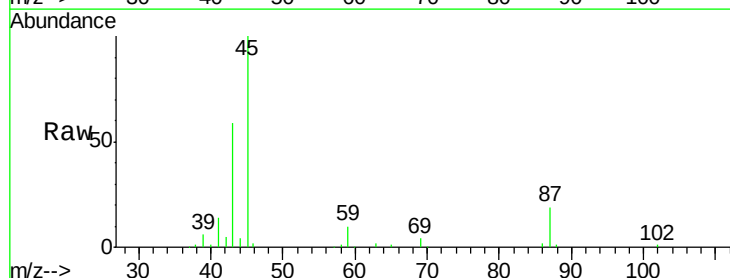
Ion Ratio Lower Upper

45 100

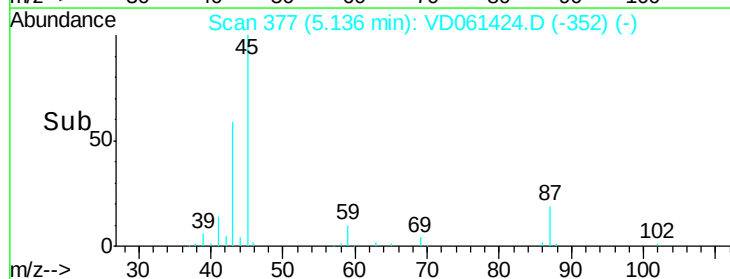
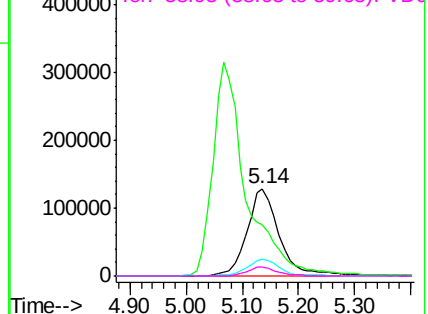
43 58.8 47.4 71.2

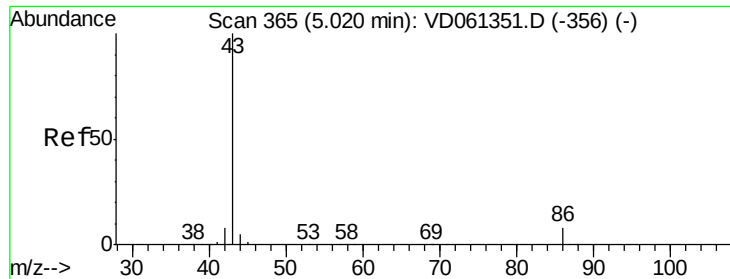
87 19.3 16.3 24.5

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: 96.292 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.05 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

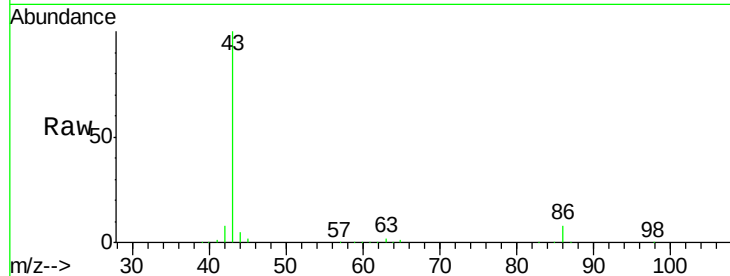
VD0329SBS01

Tot Ion: 43 Resp: 1278636

Ion Ratio Lower Upper

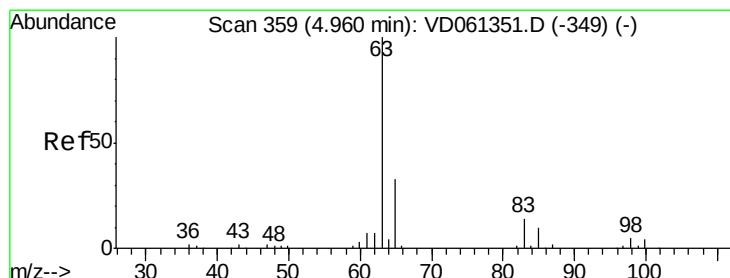
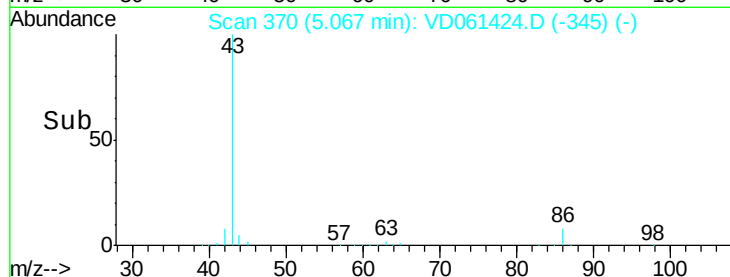
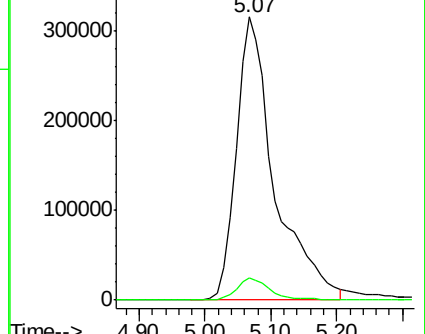
43 100

86 7.8 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: 19.513 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.04 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

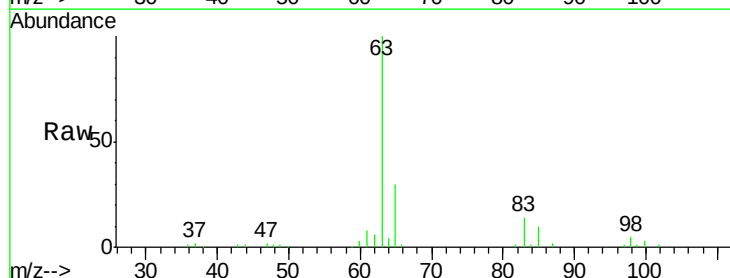
Tgt Ion: 63 Resp: 280335

Ion Ratio Lower Upper

63 100

98 5.2 2.6 8.0

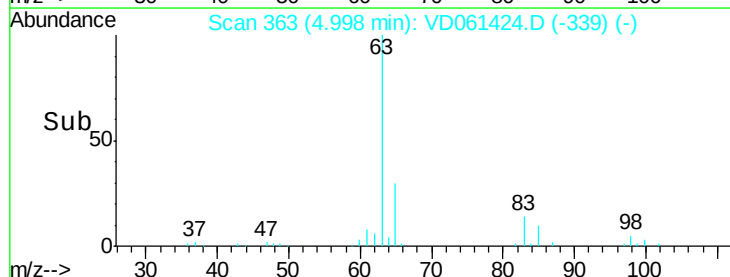
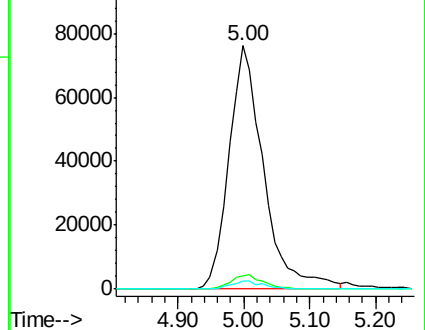
100 3.3 1.8 5.3

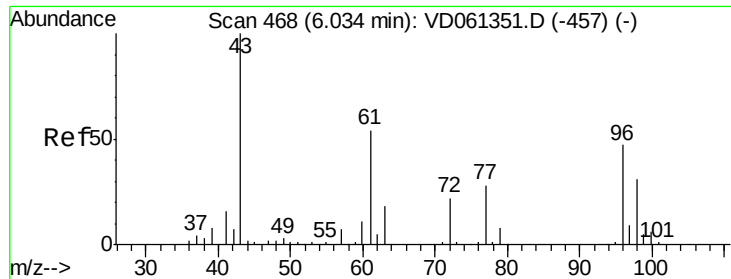


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 92.126 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.05 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

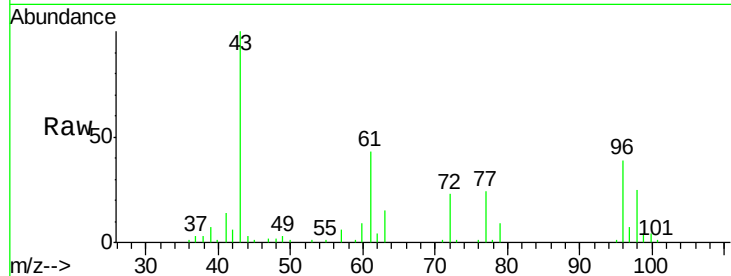
VD0329SBS01

Tot Ion: 43 Resp: 196363

Ion Ratio Lower Upper

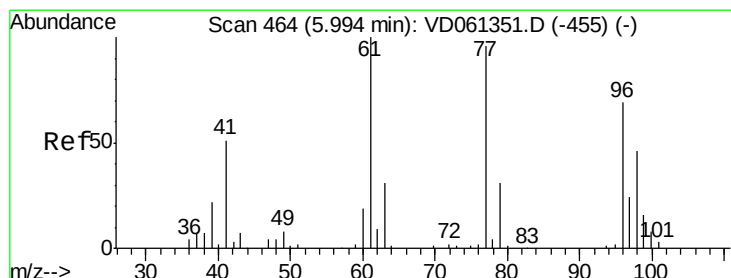
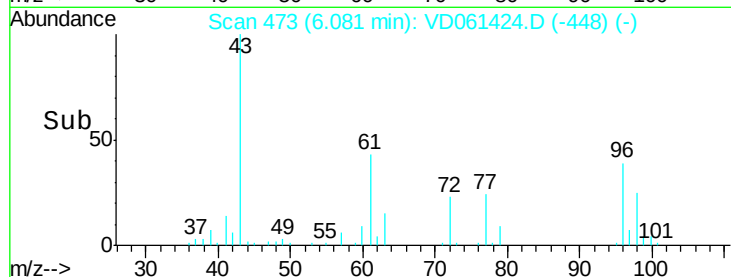
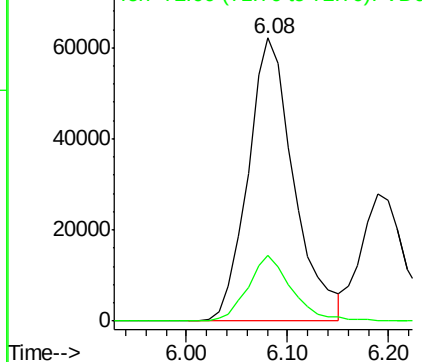
43 100

72 23.1 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: 21.527 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.05 min

Lab File: VD061424.D

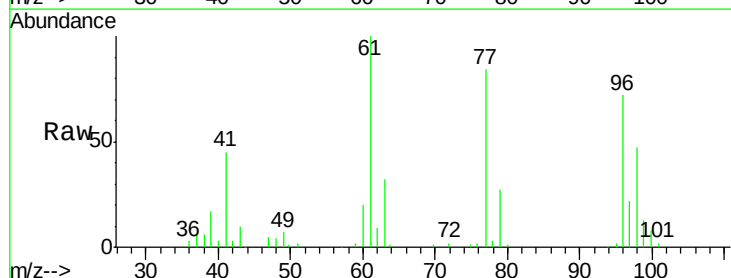
Acq: 29 Mar 2019 12:42

Tgt Ion: 77 Resp: 245844

Ion Ratio Lower Upper

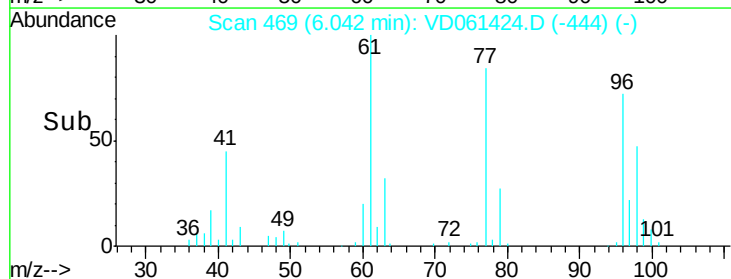
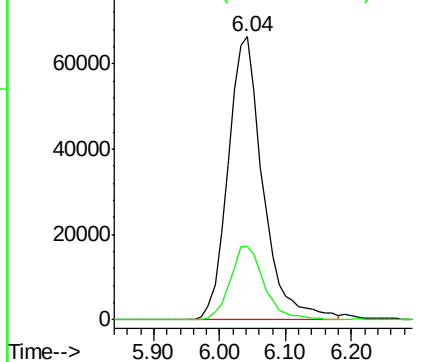
77 100

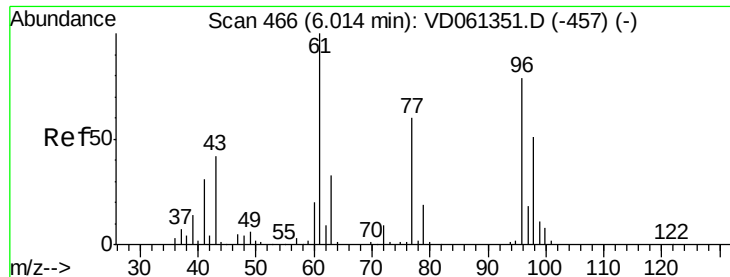
97 26.1 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



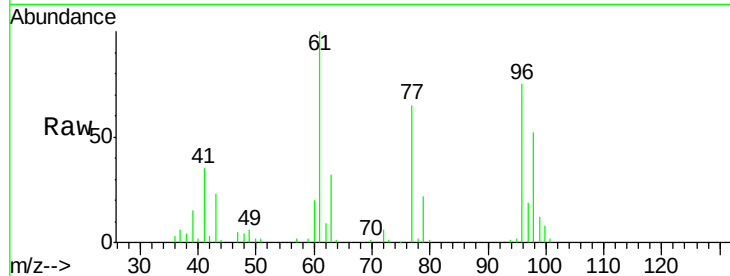


#27

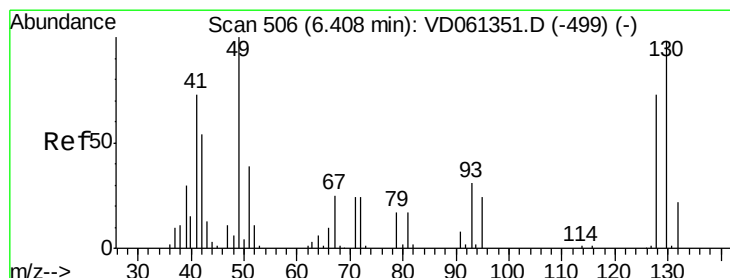
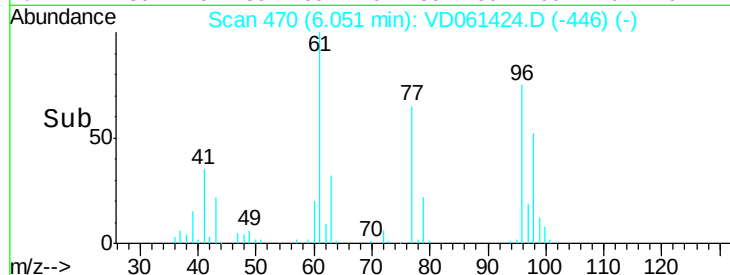
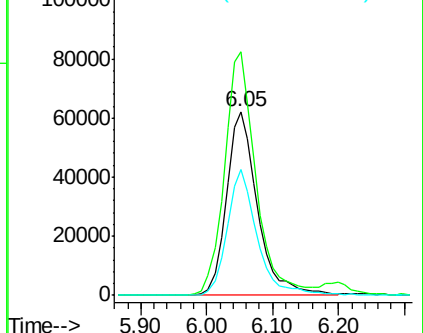
cis-1,2-Dichloroethene
Concen: 20.918 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.04 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0329SBS01

Tot Ion	96	Resp	204935
Ion	Ratio	Lower	Upper
96	100		
61	132.5	0.0	251.6
98	68.8	0.0	129.2



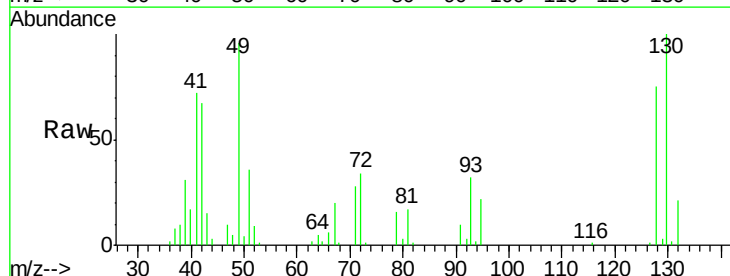
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



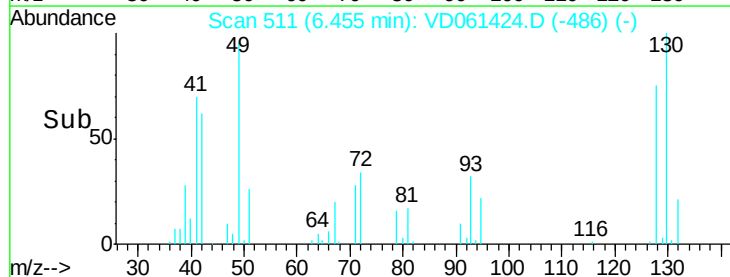
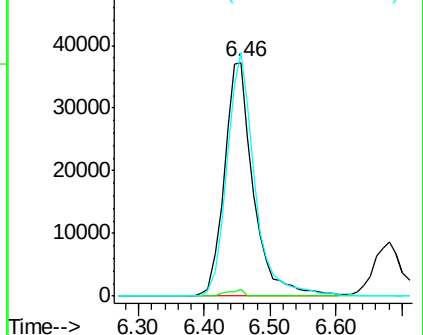
#28

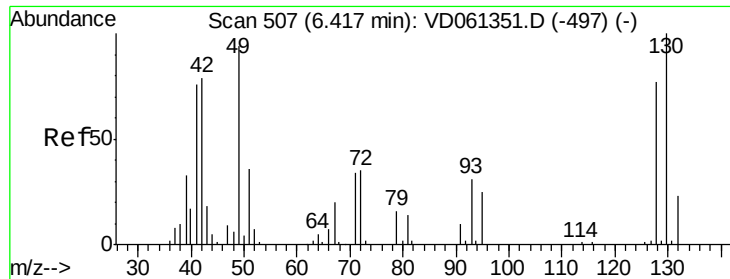
Bromochloromethane
Concen: 19.797 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.05 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Tgt Ion	49	Resp	114805
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	0.0#
130	104.3	78.4	117.6



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

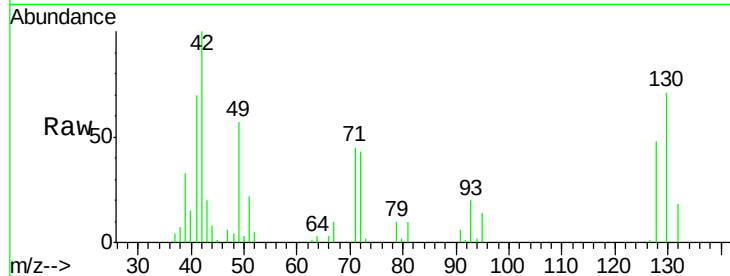




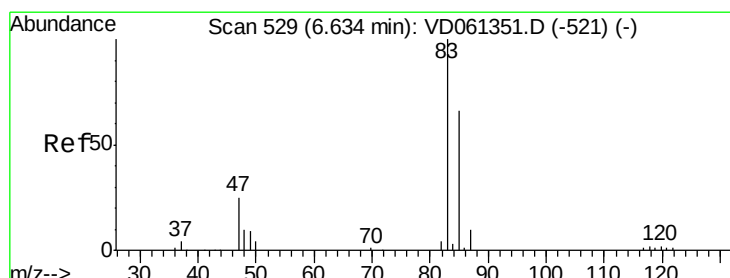
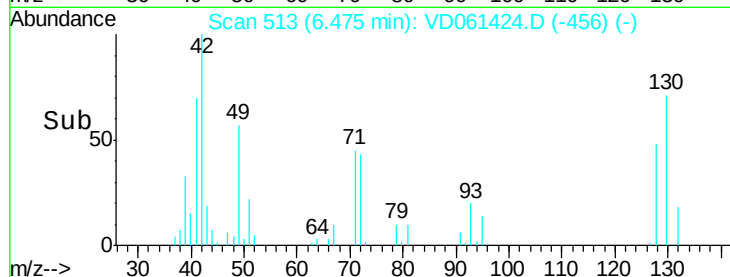
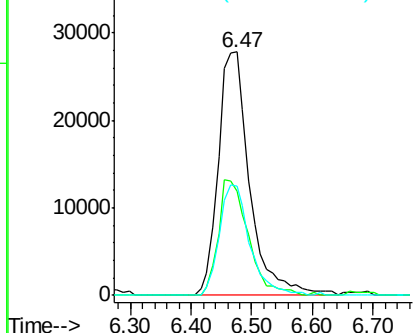
#29
Tetrahydrofuran
Concen: 97.454 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.06 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0329SBS01

Tot Ion: 42 Resp: 100681
Ion Ratio Lower Upper
42 100
72 45.0 37.4 56.0
71 43.9 36.7 55.1

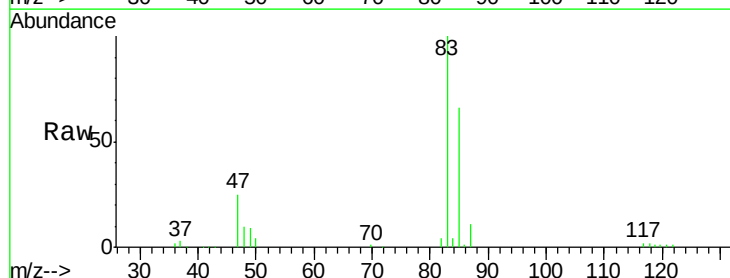


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

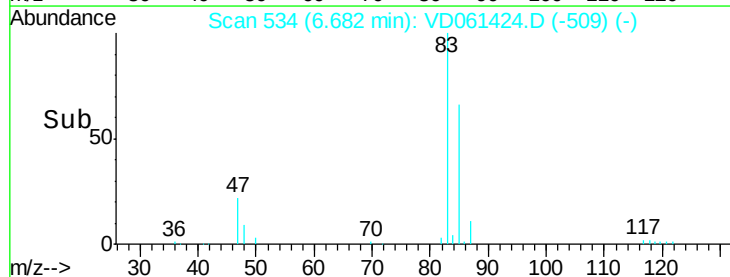
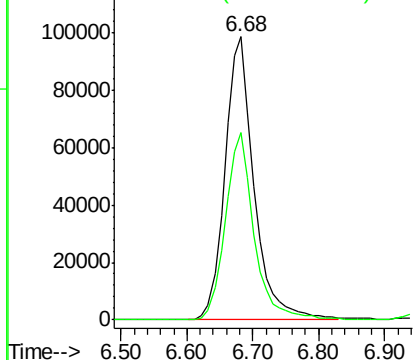


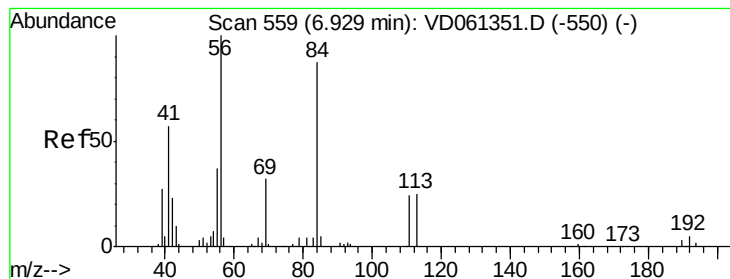
#30
Chloroform
Concen: 20.407 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.05 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Tgt Ion: 83 Resp: 302935
Ion Ratio Lower Upper
83 100
85 66.3 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 21.832 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.04 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

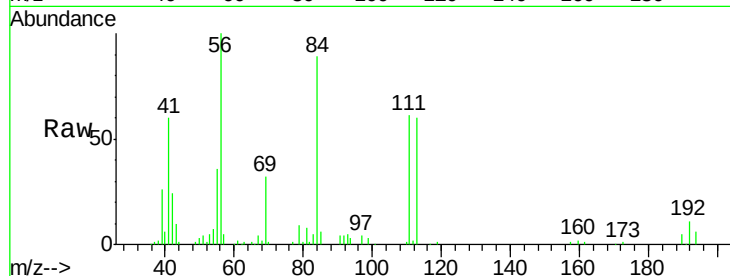
Tot Ion: 56 Resp: 247853

Ion Ratio Lower Upper

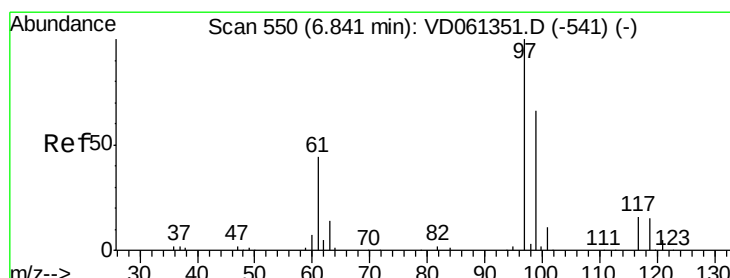
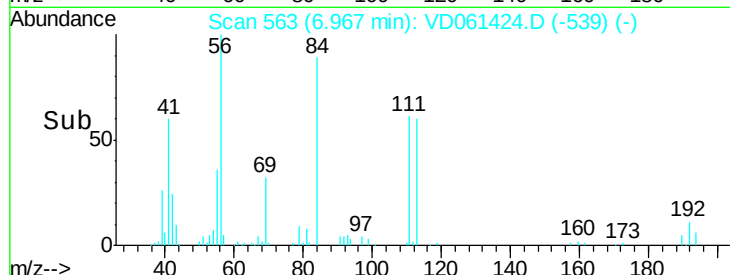
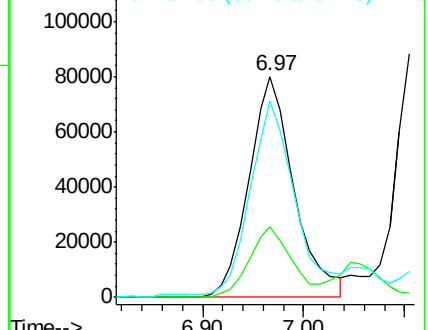
56 100

69 32.0 25.7 38.5

84 89.1 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: 20.746 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.04 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

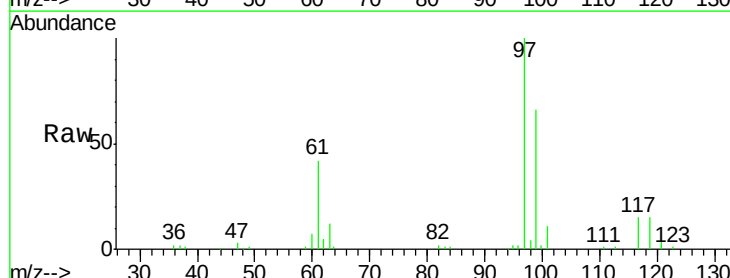
Tgt Ion: 97 Resp: 271685

Ion Ratio Lower Upper

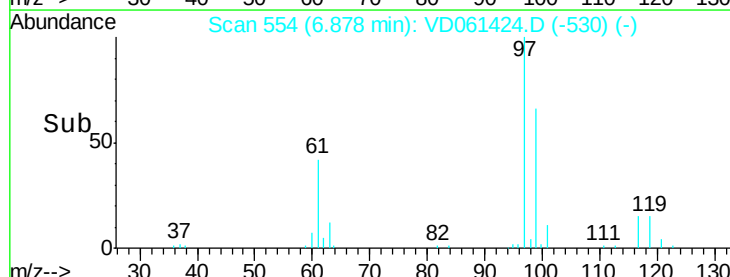
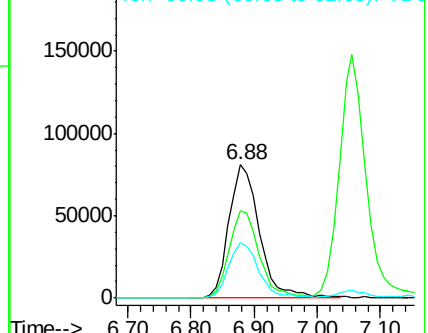
97 100

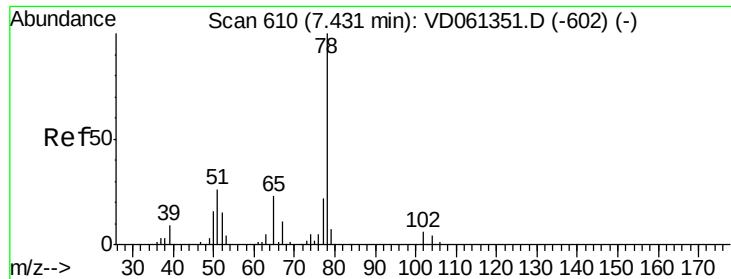
99 65.6 53.1 79.7

61 41.9 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: 20.746 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

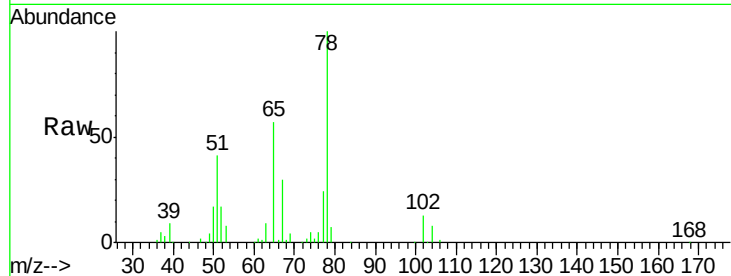
VD0329SBS01

Tot Ion: 65 Resp: 295736

Ion Ratio Lower Upper

65 100

67 51.8 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

100000

80000

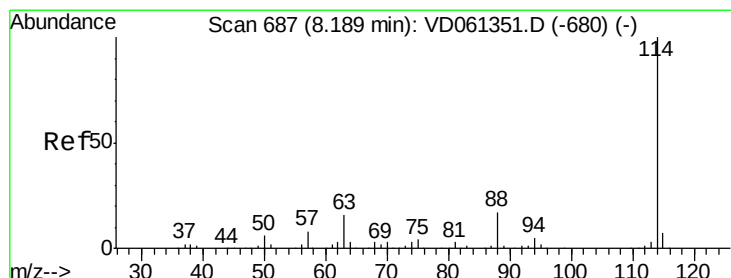
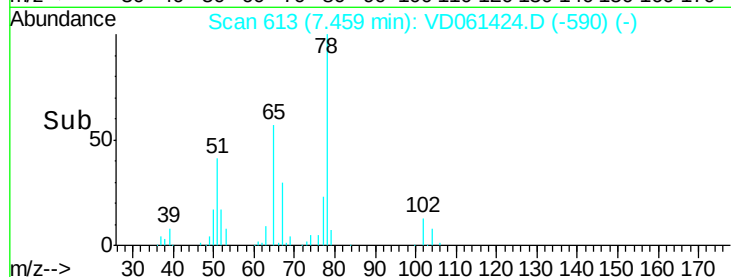
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.04 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

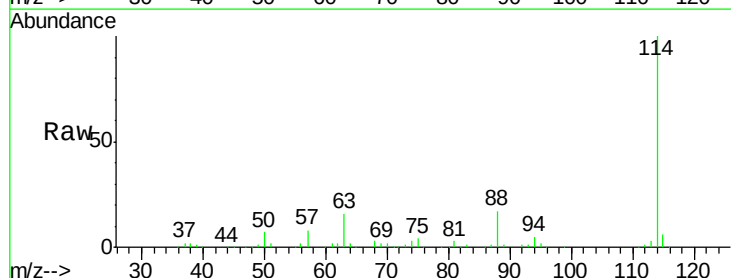
Tgt Ion: 114 Resp: 1273779

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.6

88 16.8 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

8.23

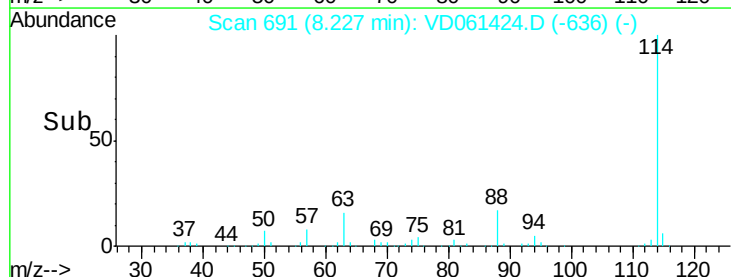
600000

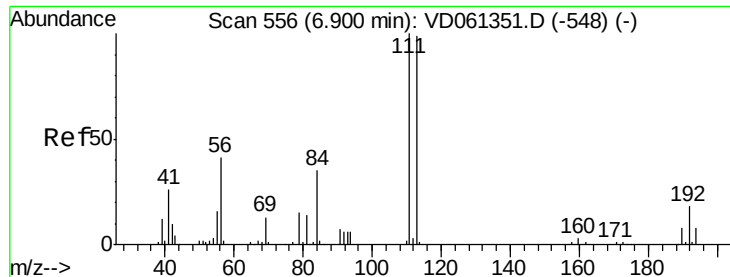
400000

200000

0

Time-->

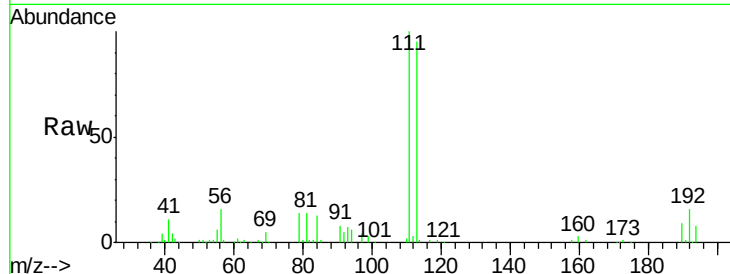




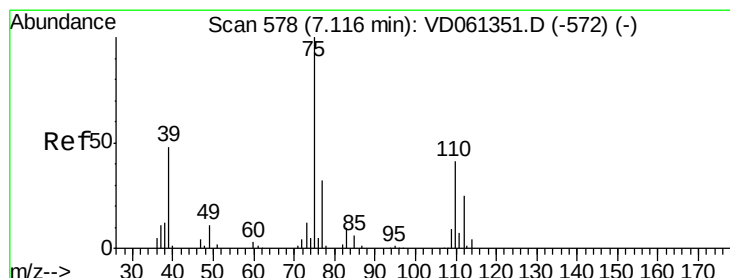
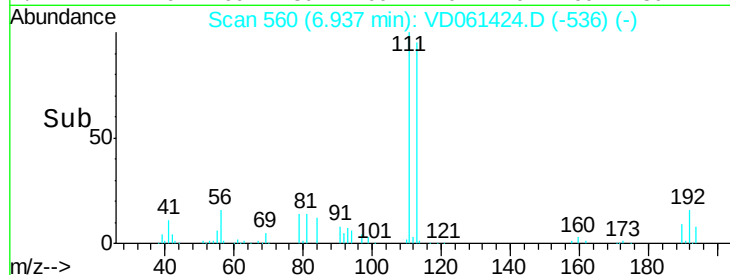
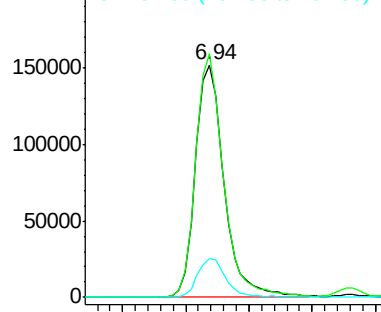
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBS01

Tot Ion:113 Resp: 481656
 Ion Ratio Lower Upper
 113 100
 111 104.8 81.0 121.6
 192 16.6 14.4 21.6

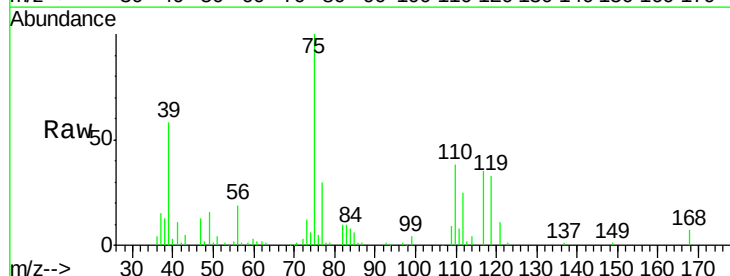


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

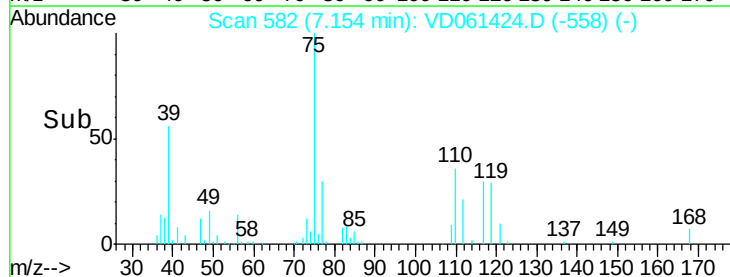
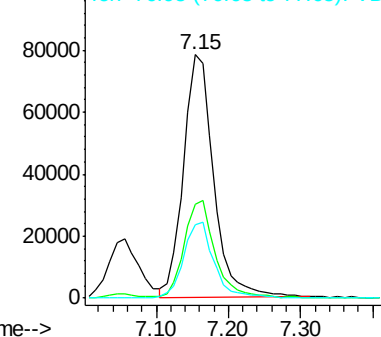


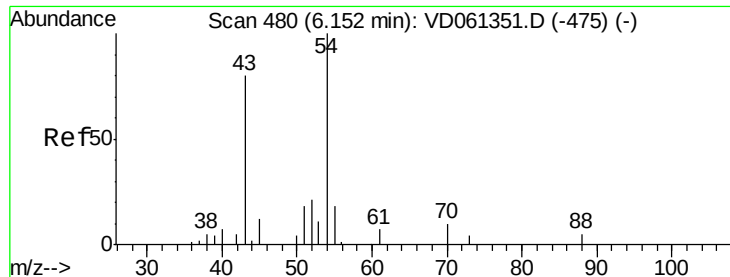
#36
 1,1-Dichloropropene
 Concen: 20.448 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.04 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

Tgt Ion: 75 Resp: 227328
 Ion Ratio Lower Upper
 75 100
 110 38.3 20.4 61.3
 77 30.1 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

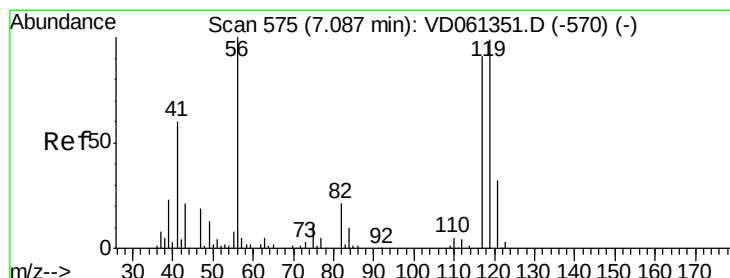
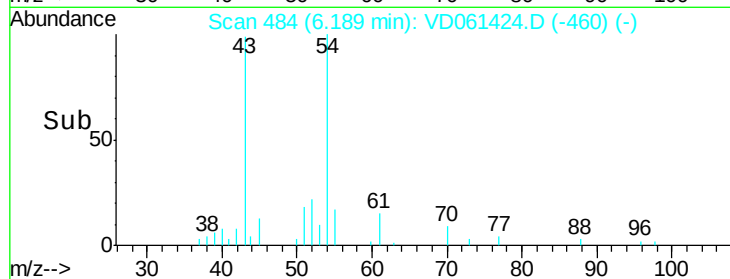
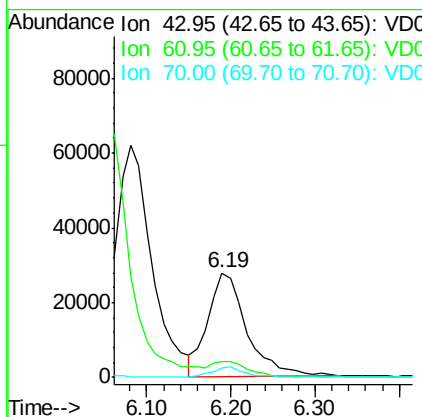
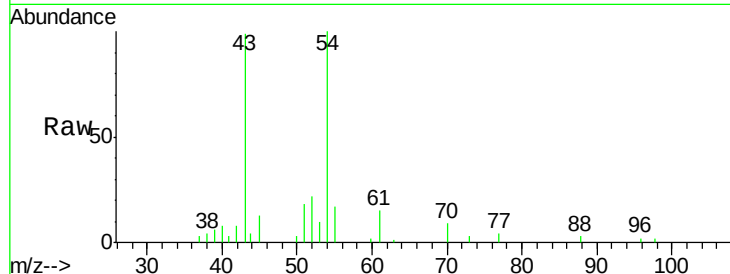




#37
Ethyl Acetate
Concen: 18.690 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.04 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

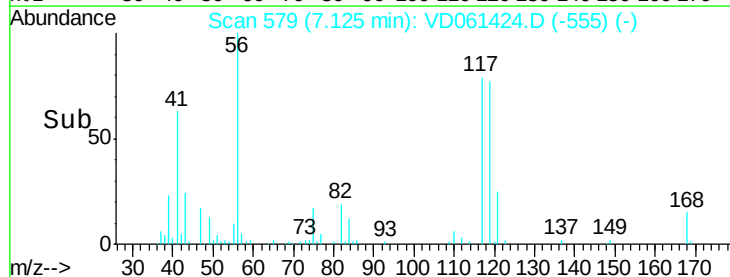
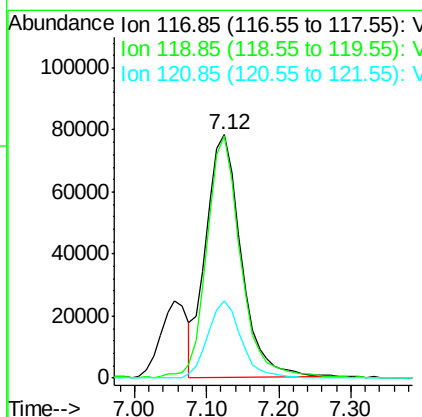
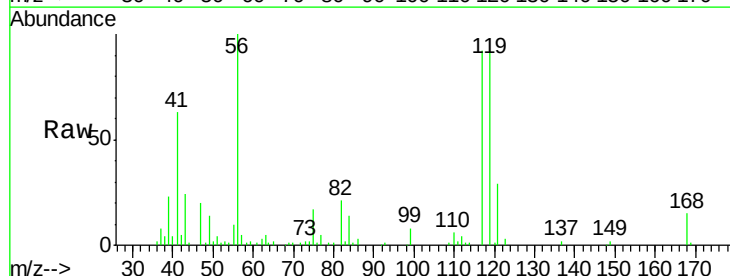
Instrument :
MSVOA_D
ClientSampleId :
VD0329SBS01

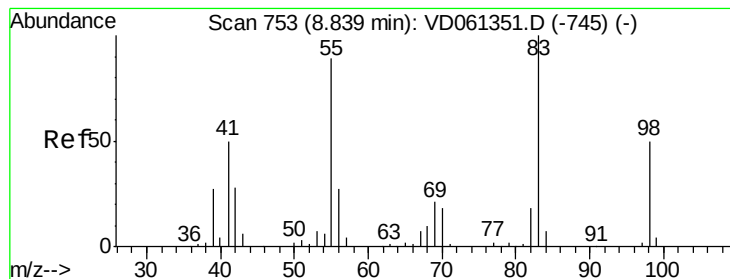
Tot Ion: 43 Resp: 88865
Ion Ratio Lower Upper
43 100
61 15.2 13.8 20.8
70 9.1 7.8 11.8



#38
Carbon Tetrachloride
Concen: 20.512 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.04 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Tgt Ion: 117 Resp: 262039
Ion Ratio Lower Upper
117 100
119 99.7 80.1 120.1
121 31.6 25.6 38.4





#39

Methylvlcyclohexane

Concen: 20.632 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.04 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

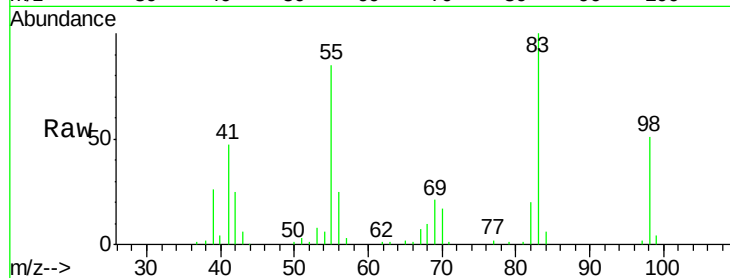
Tot Ion: 83 Resp: 238892

Ion Ratio Lower Upper

83 100

55 84.9 71.5 107.3

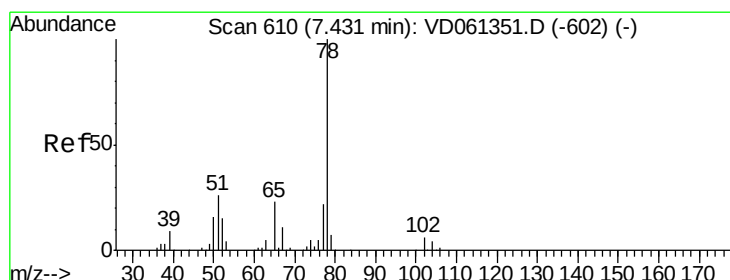
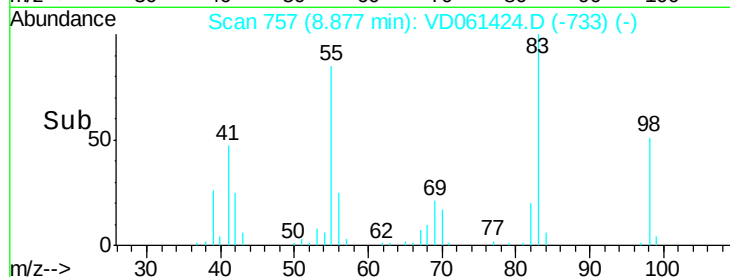
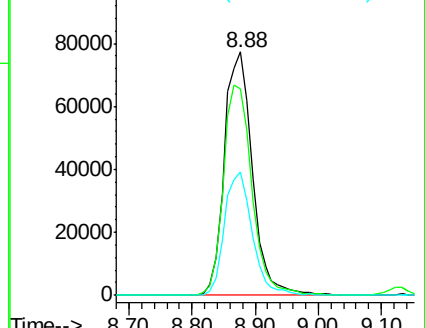
98 50.7 40.3 60.5



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: 20.309 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD061424.D

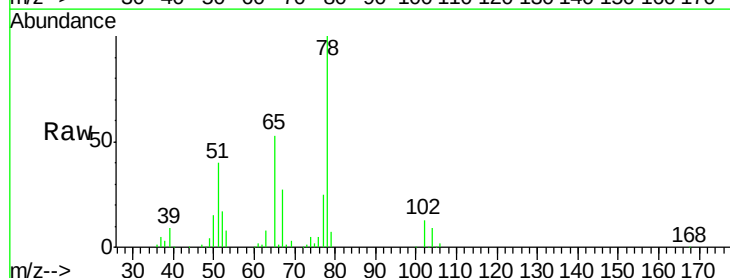
Acq: 29 Mar 2019 12:42

Tgt Ion: 78 Resp: 566632

Ion Ratio Lower Upper

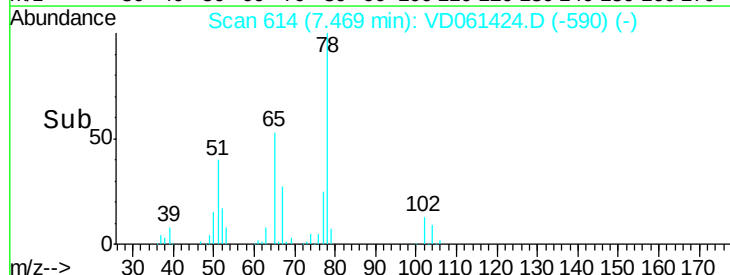
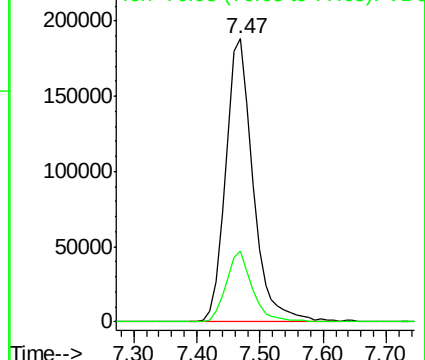
78 100

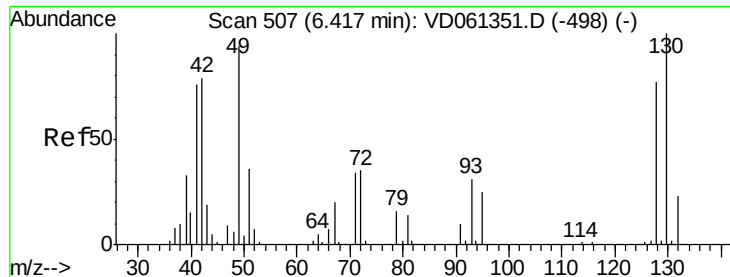
77 25.3 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

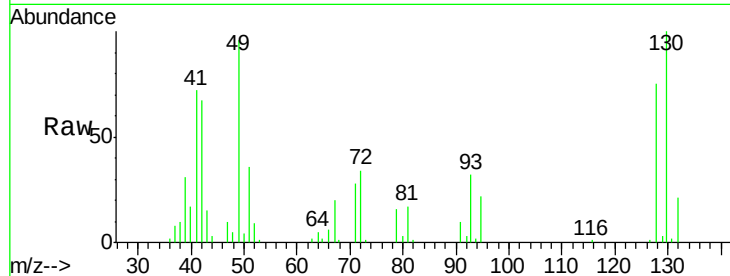




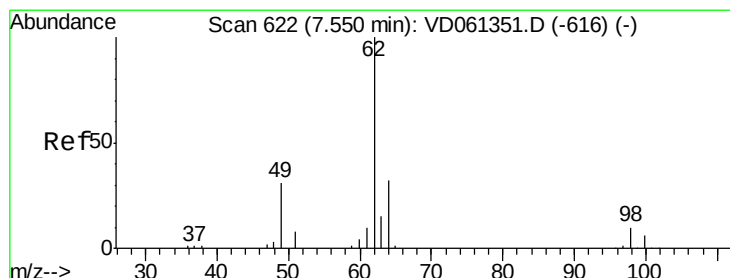
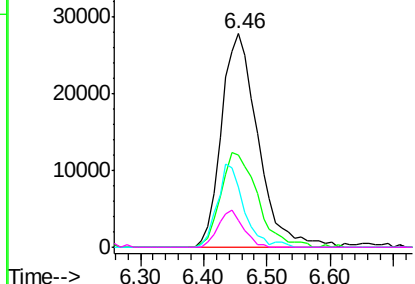
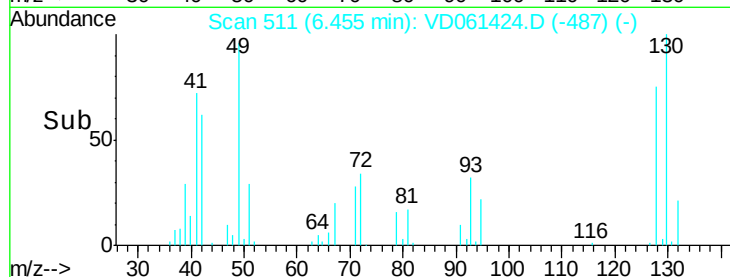
#41
Methacrylonitrile
Concen: 20.111 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0329SBS01

Tot Ion: 41 Resp: 111801
Ion Ratio Lower Upper
41 100
39 43.3 35.0 52.6
67 28.0 21.0 31.6
52 12.6 7.7 11.5#

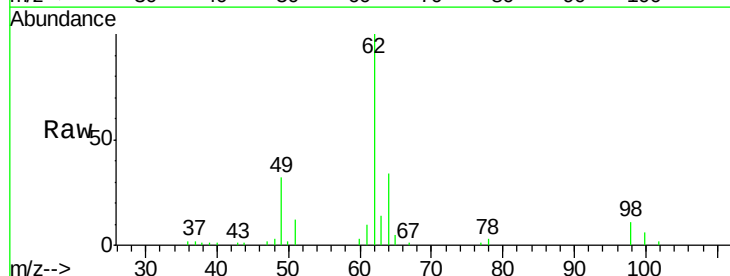


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

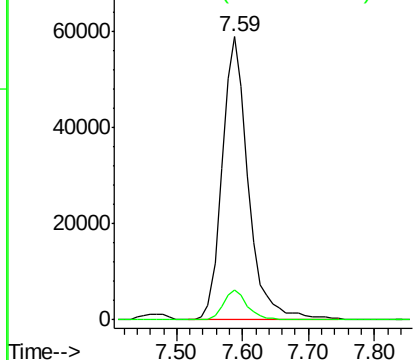
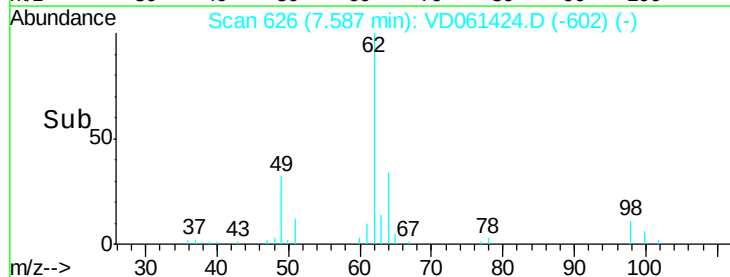


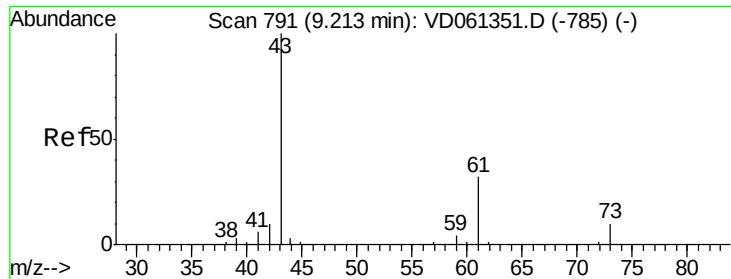
#42
1,2-Dichloroethane
Concen: 19.558 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.04 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Tgt Ion: 62 Resp: 163233
Ion Ratio Lower Upper
62 100
98 10.6 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: 19.599 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.03 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

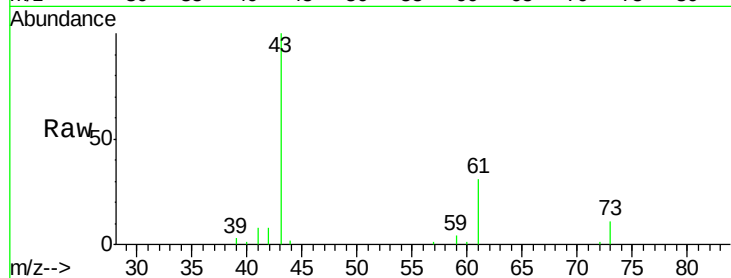
Tot Ion: 43 Resp: 135583

Ion Ratio Lower Upper

43 100

61 30.7 25.8 38.6

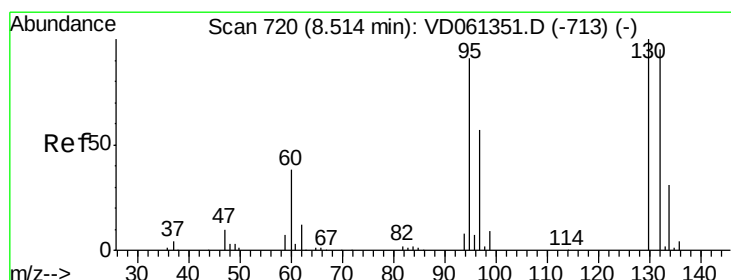
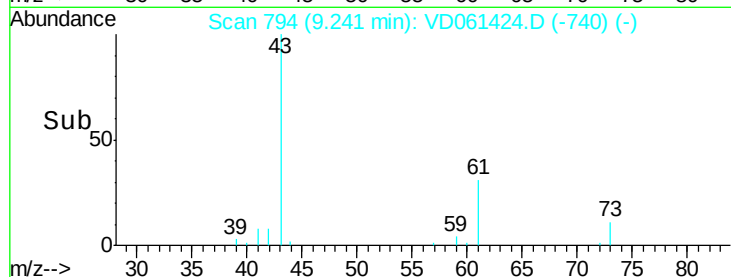
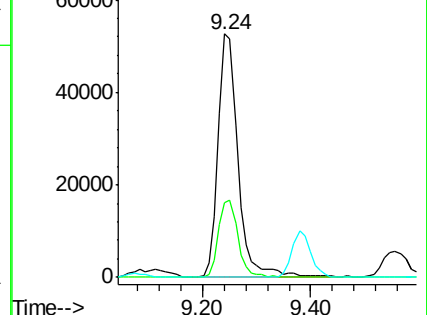
87 0.0 0.0 0.0



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: 21.447 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.04 min

Lab File: VD061424.D

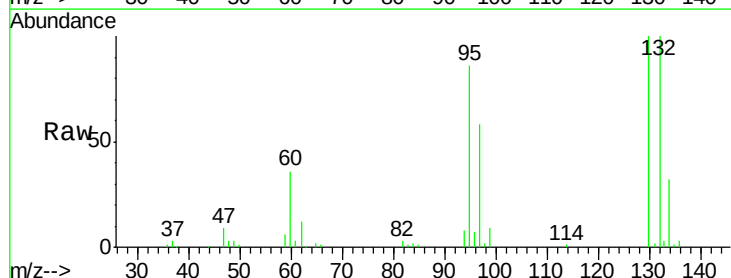
Acq: 29 Mar 2019 12:42

Tgt Ion:130 Resp: 222692

Ion Ratio Lower Upper

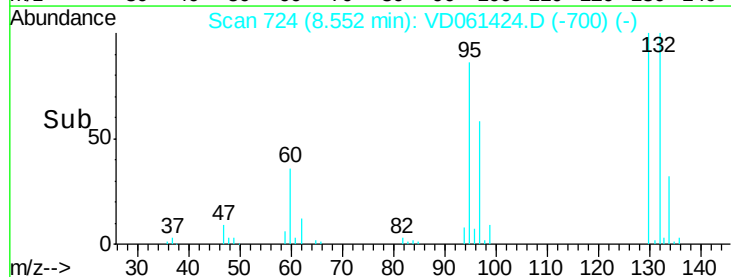
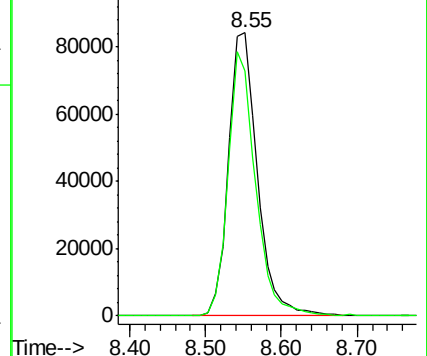
130 100

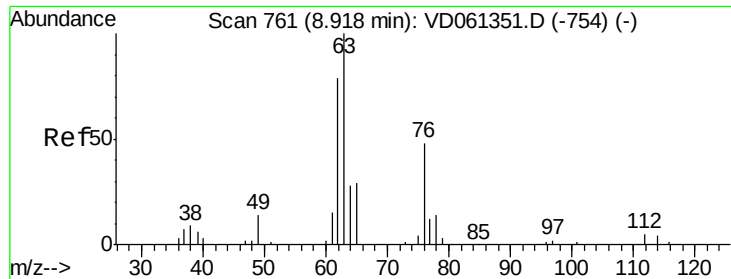
95 86.4 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.573 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.03 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

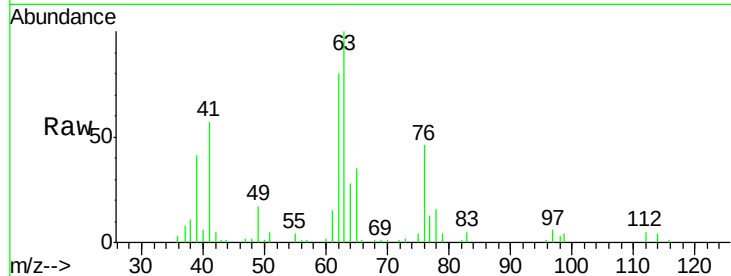
VD0329SBS01

Tot Ion: 63 Resp: 152630

Ion Ratio Lower Upper

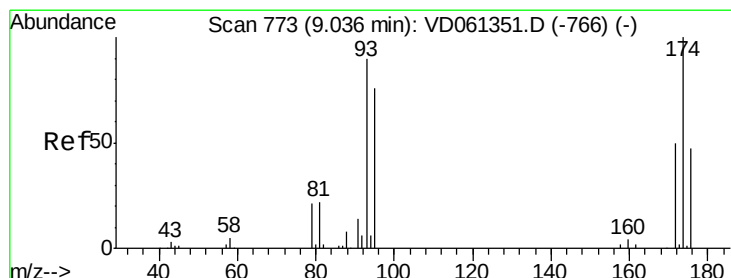
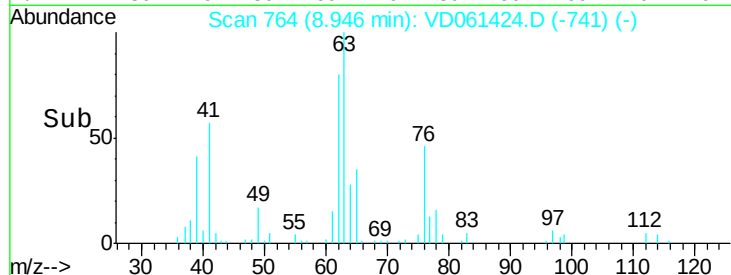
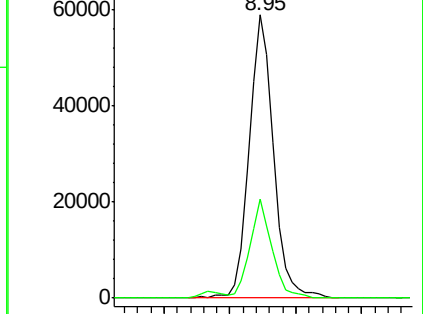
63 100

65 35.0 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: 20.411 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.03 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

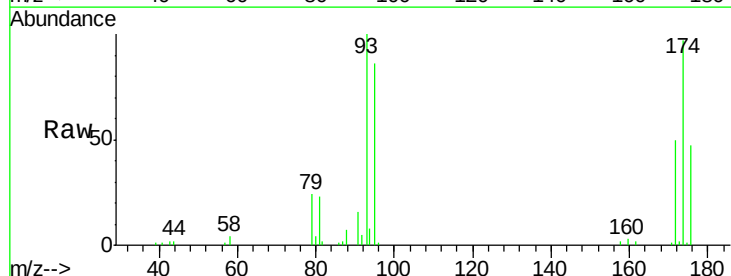
Tgt Ion: 93 Resp: 97197

Ion Ratio Lower Upper

93 100

95 85.6 67.4 101.0

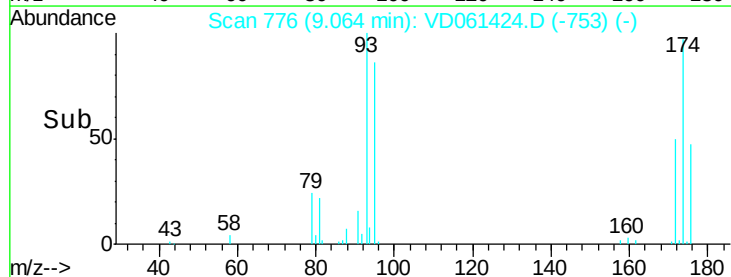
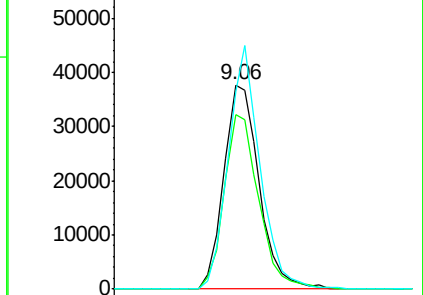
174 96.9 88.9 133.3

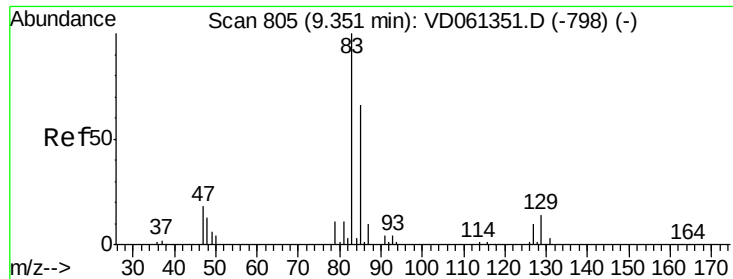


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.075 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.03 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

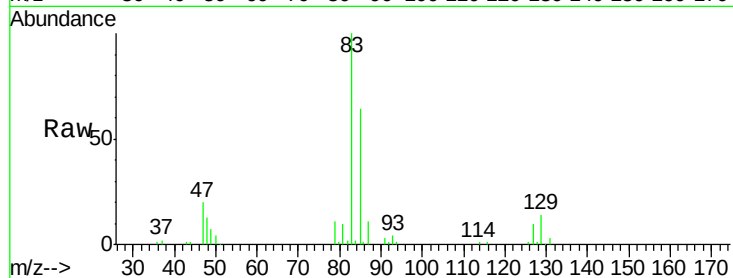
Tot Ion: 83 Resp: 225249

Ion Ratio Lower Upper

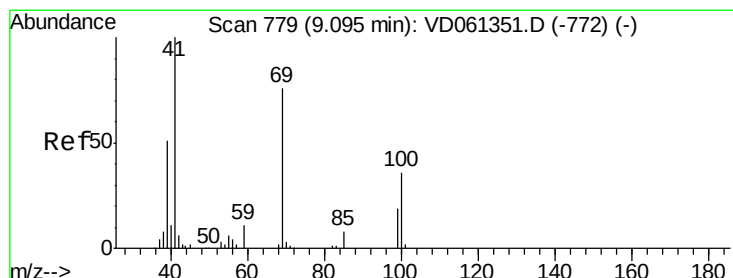
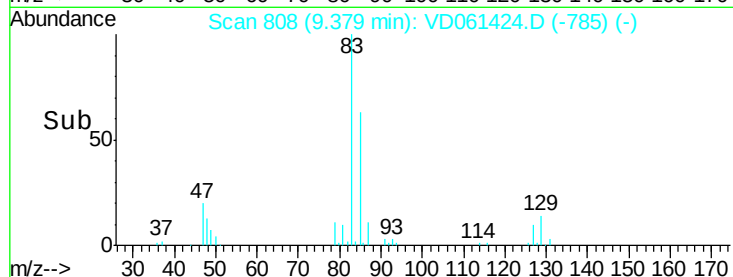
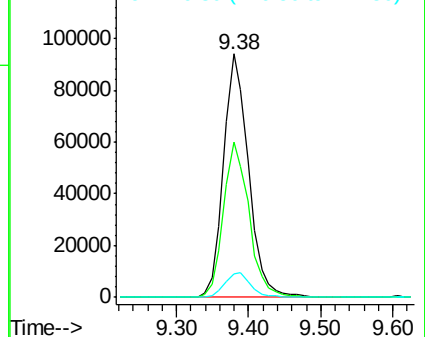
83 100

85 64.0 53.0 79.4

127 9.9 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: 21.012 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.03 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

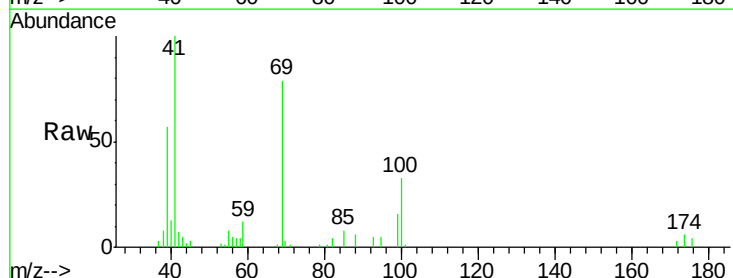
Tgt Ion: 41 Resp: 80222

Ion Ratio Lower Upper

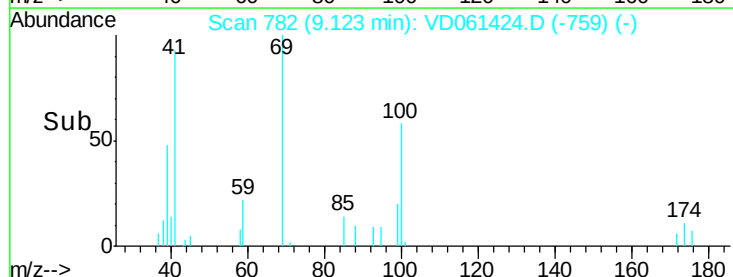
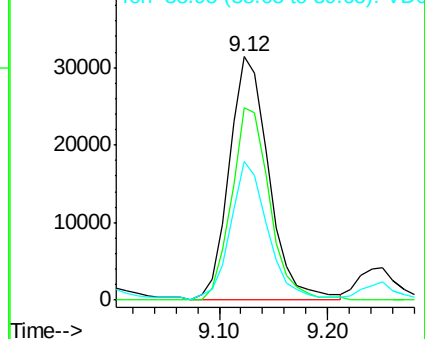
41 100

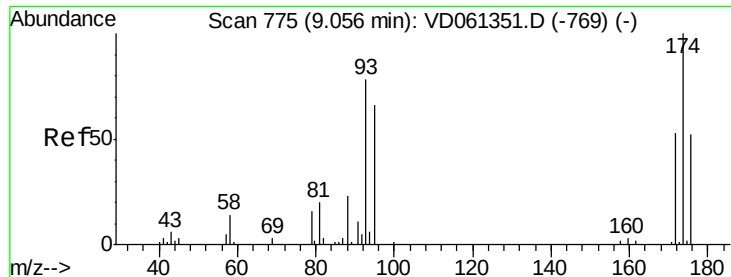
69 79.2 60.2 90.4

39 57.1 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: 413.554 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.04 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

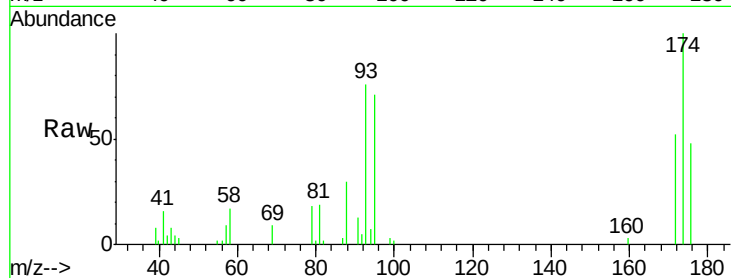
Tot Ion: 88 Resp: 17415

Ion Ratio Lower Upper

88 100

43 25.4 23.3 34.9

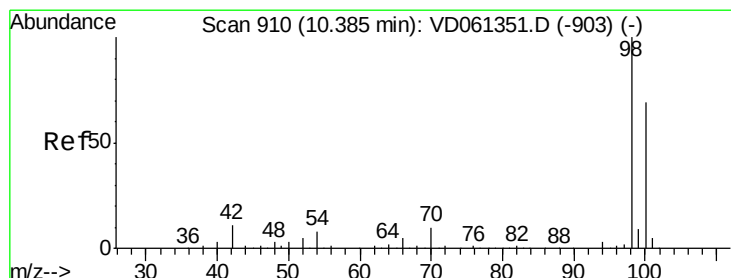
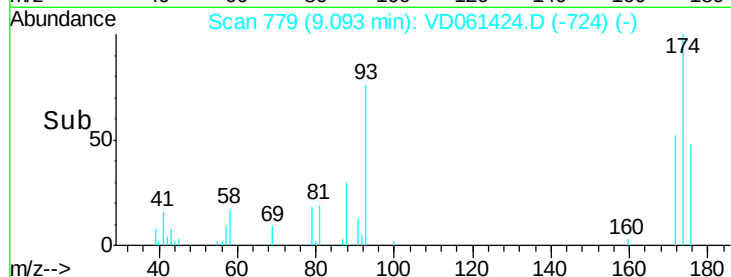
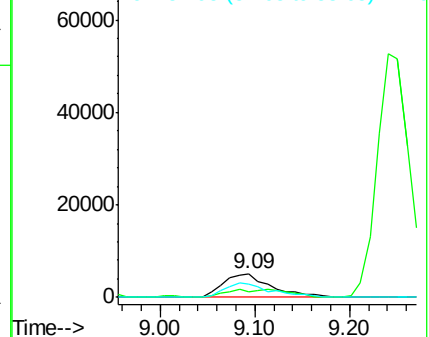
58 57.6 50.8 76.2



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: 413.554 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.03 min

Lab File: VD061424.D

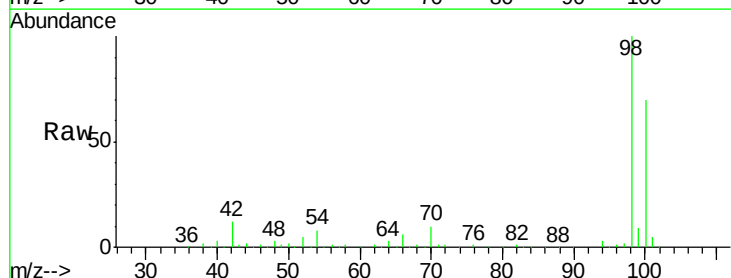
Acq: 29 Mar 2019 12:42

Tgt Ion: 98 Resp: 1143312

Ion Ratio Lower Upper

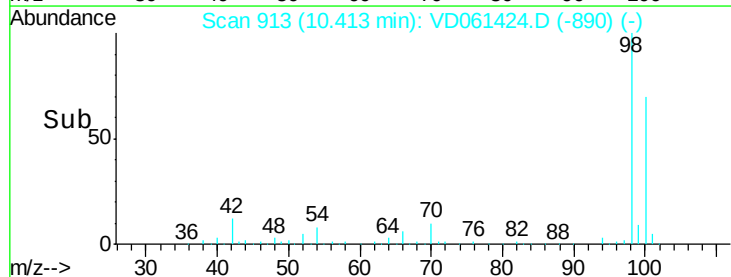
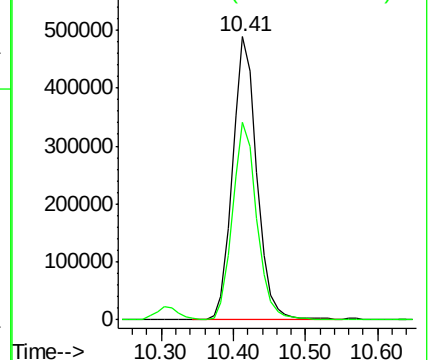
98 100

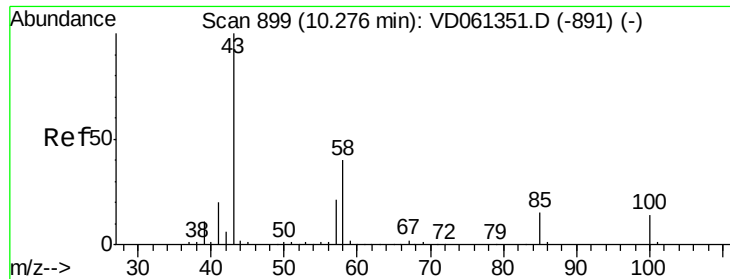
100 69.7 56.2 84.2



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: 100.382 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.03 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

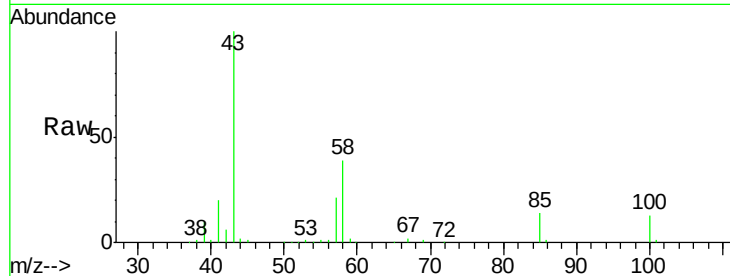
VD0329SBS01

Tot Ion: 43 Resp: 422481

Ion Ratio Lower Upper

43 100

58 39.0 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

200000

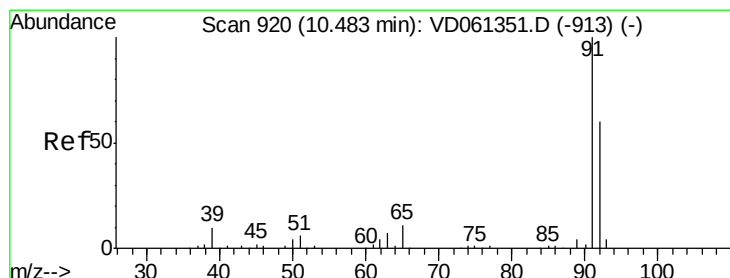
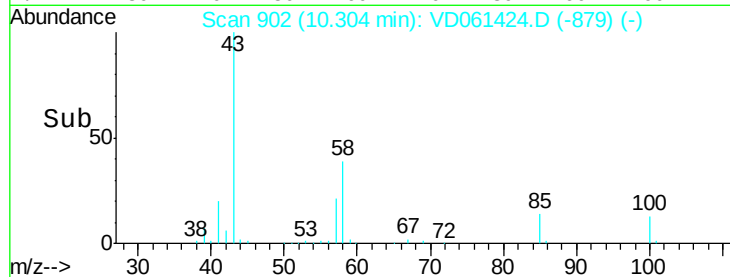
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.163 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.03 min

Lab File: VD061424.D

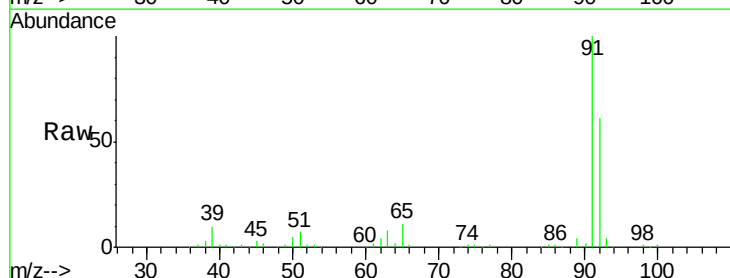
Acq: 29 Mar 2019 12:42

Tgt Ion: 92 Resp: 377259

Ion Ratio Lower Upper

92 100

91 162.7 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

300000

250000

200000

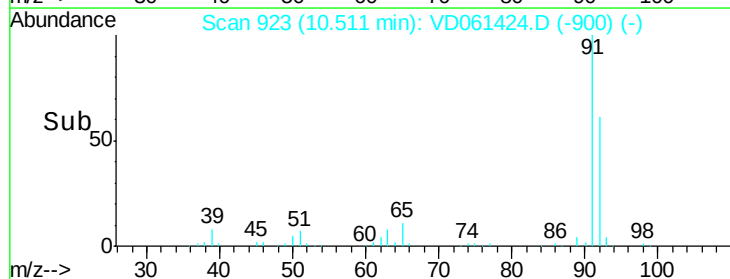
150000

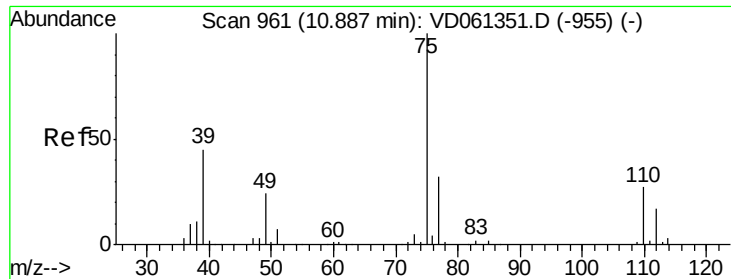
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.662 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.03 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

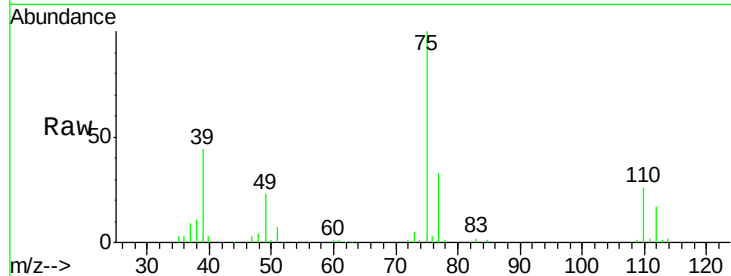
VD0329SBS01

Tot Ion: 75 Resp: 200639

Ion Ratio Lower Upper

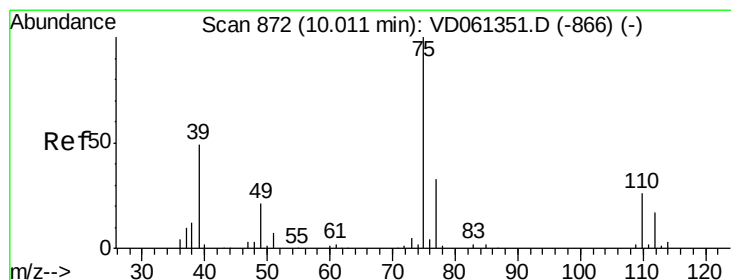
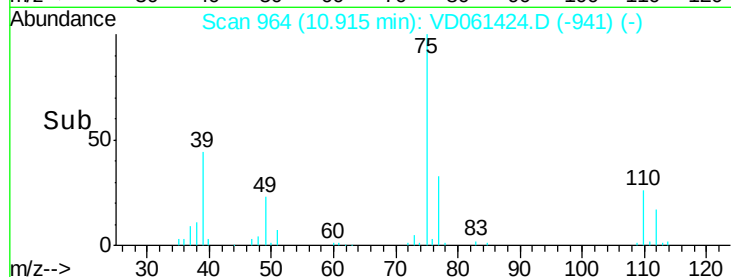
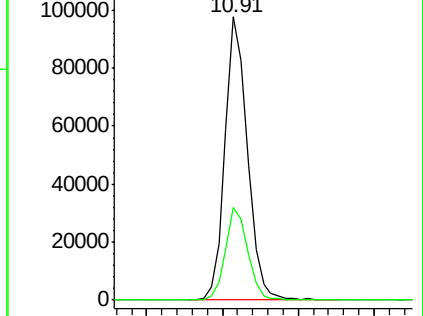
75 100

77 32.6 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: 20.811 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.03 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

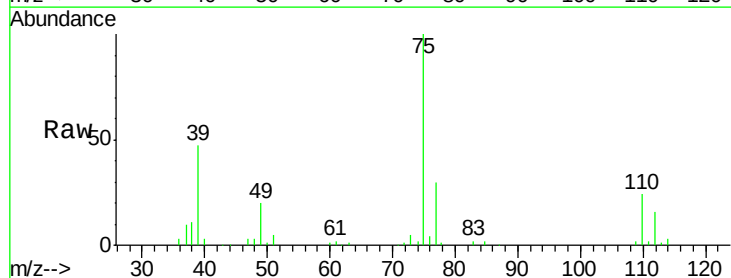
Tgt Ion: 75 Resp: 246071

Ion Ratio Lower Upper

75 100

77 30.5 26.2 39.4

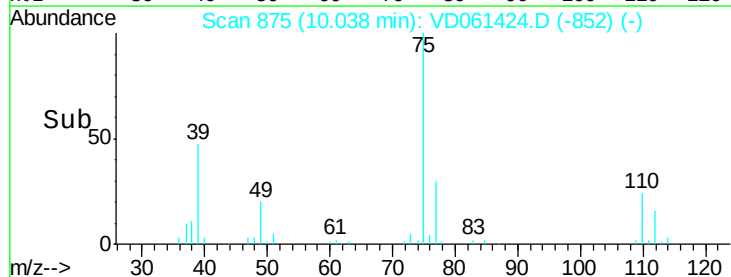
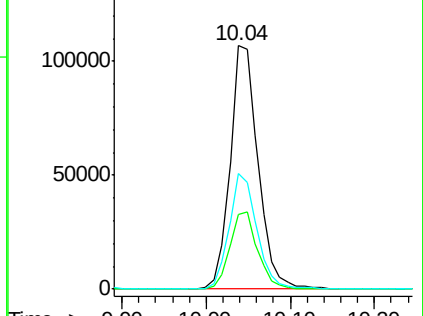
39 47.5 39.4 59.0

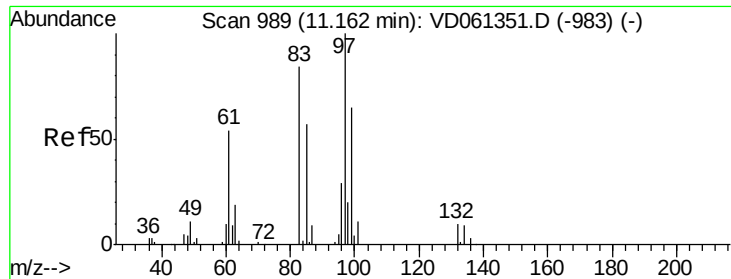


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

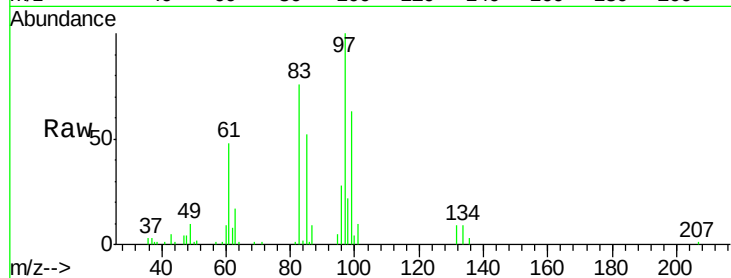




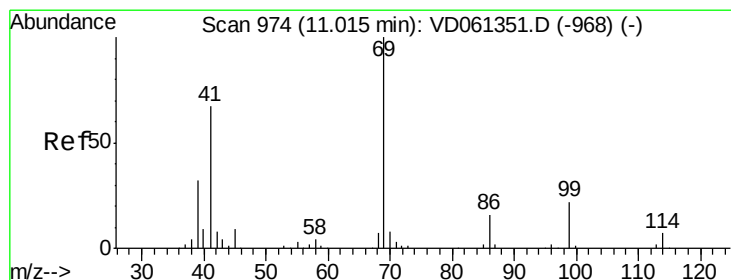
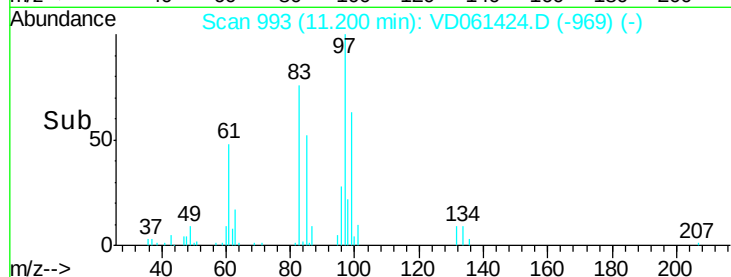
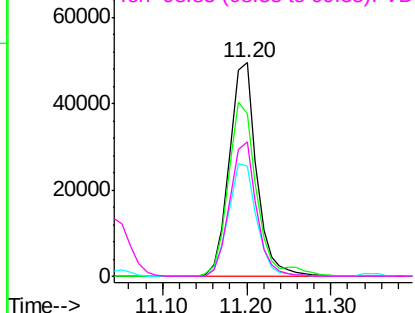
#55
 1,1,2-Trichloroethane
 Concen: 18.699 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.04 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBS01

Tot Ion:	97	Resp:	111313
Ion	Ratio	Lower	Upper
97	100		
83	76.1	67.0	100.6
85	51.7	45.4	68.2
99	63.2	51.9	77.9

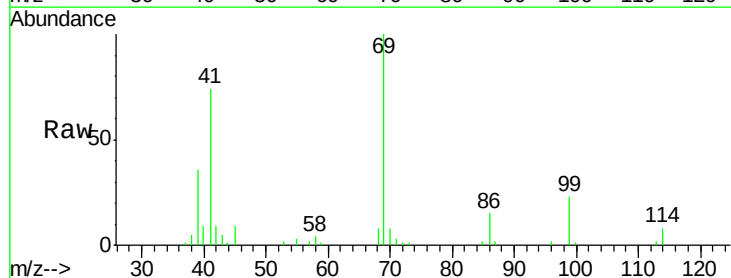


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

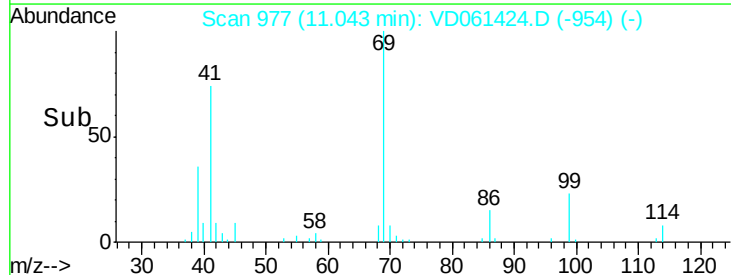
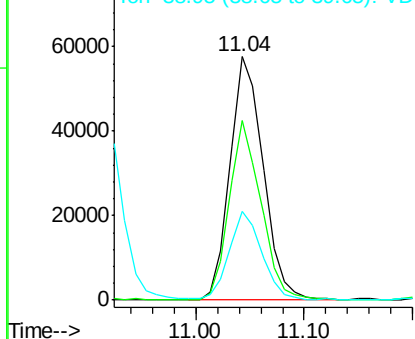


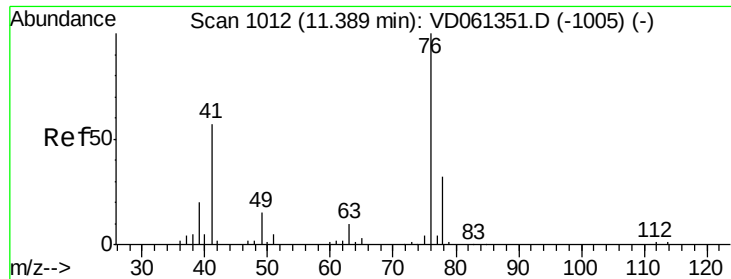
#56
 Ethyl methacrylate
 Concen: 19.321 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.03 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

Tgt Ion:	69	Resp:	123558
Ion	Ratio	Lower	Upper
69	100		
41	74.0	53.8	80.6
39	36.3	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: 20.124 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.02 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

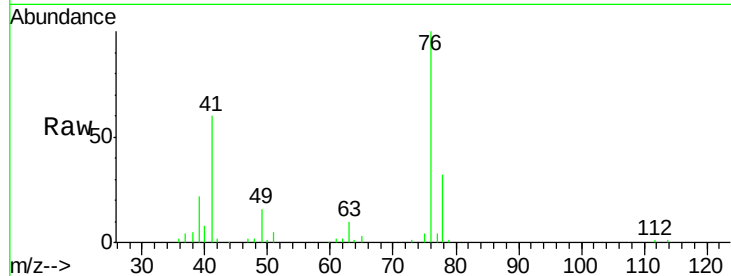
VD0329SBS01

Tot Ion: 76 Resp: 176077

Ion Ratio Lower Upper

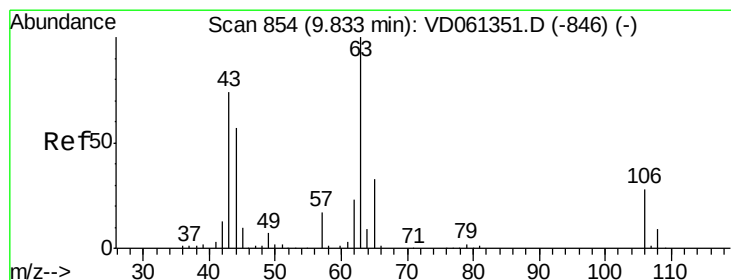
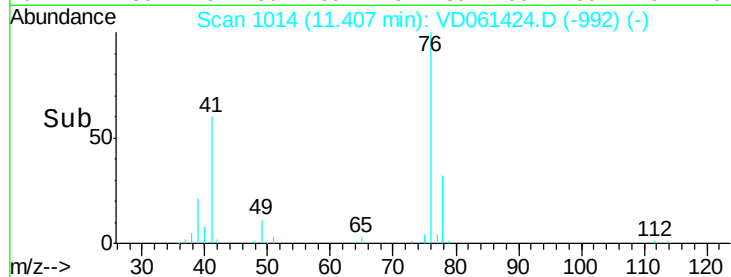
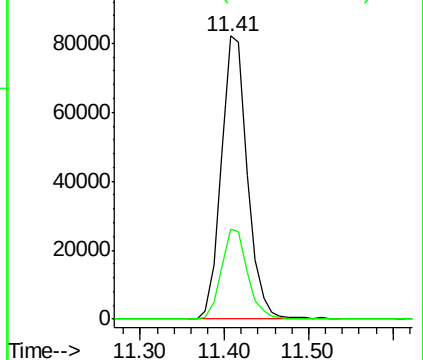
76 100

78 31.7 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 98.462 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.03 min

Lab File: VD061424.D

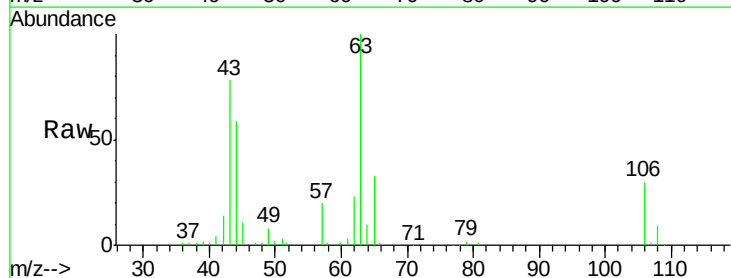
Acq: 29 Mar 2019 12:42

Tgt Ion: 63 Resp: 306645

Ion Ratio Lower Upper

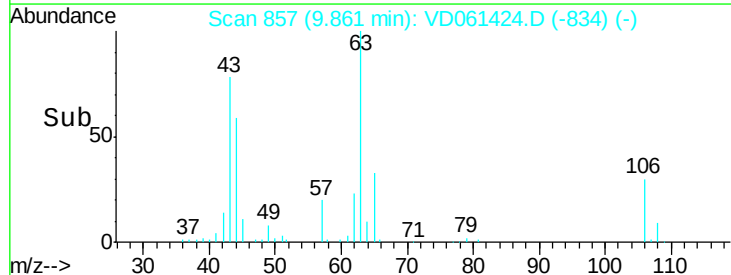
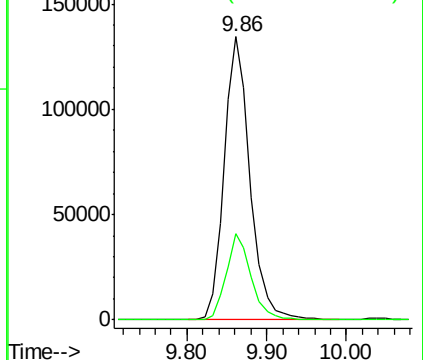
63 100

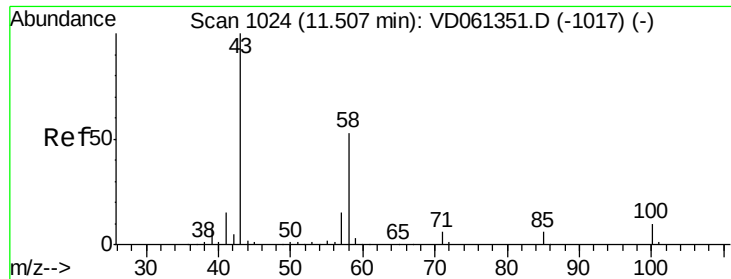
106 30.4 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

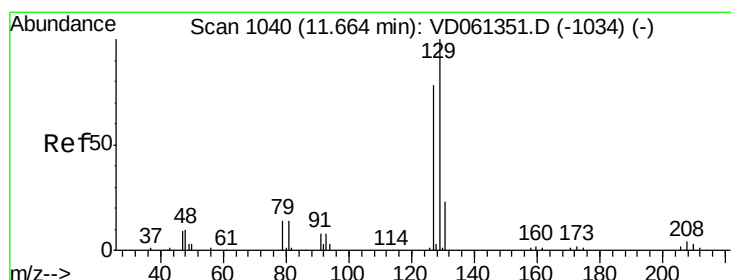
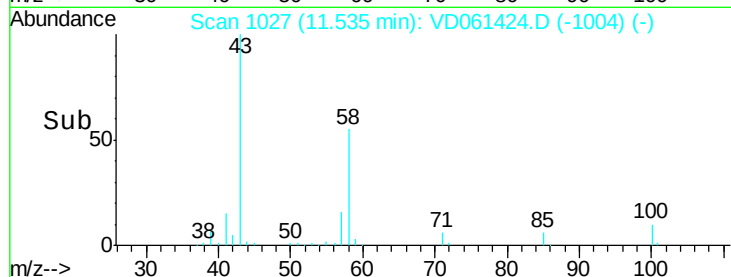
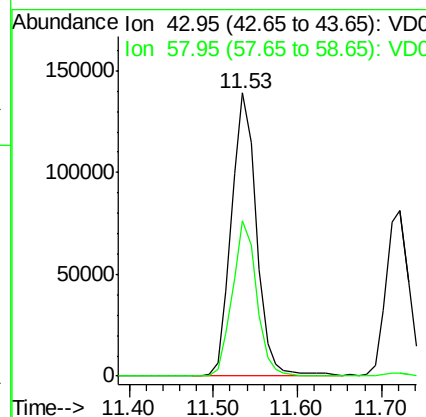
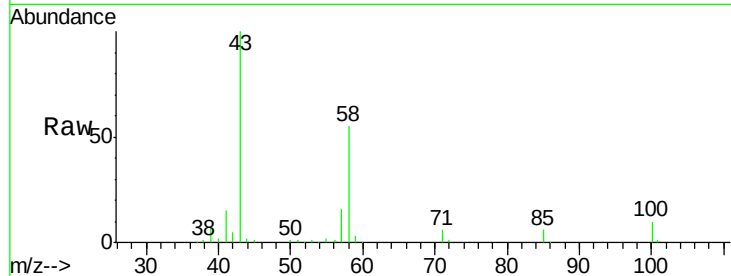




#59
2-Hexanone
Concen: 94.528 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.03 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

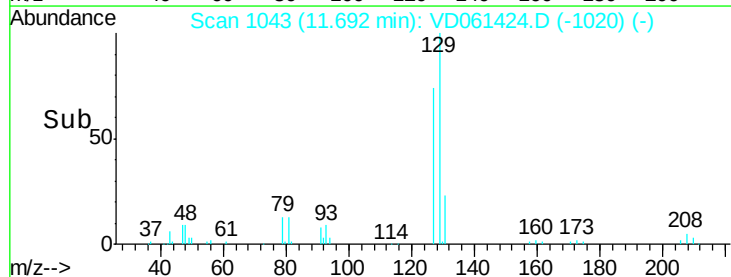
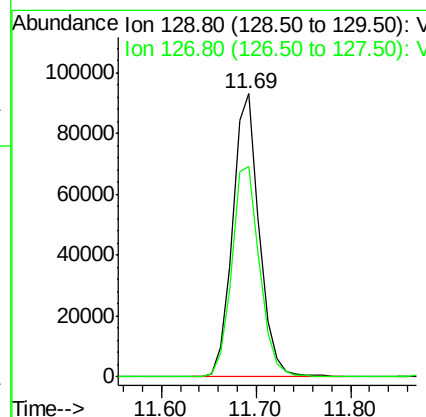
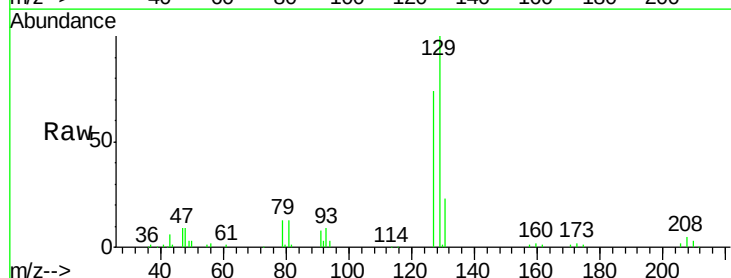
Instrument :
MSVOA_D
ClientSampleId :
VD0329SBS01

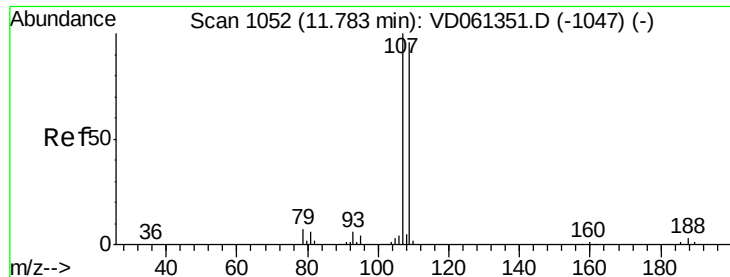
Tot Ion: 43 Resp: 288251
Ion Ratio Lower Upper
43 100
58 54.8 26.3 78.9



#60
Dibromochloromethane
Concen: 19.712 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.03 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Tgt Ion: 129 Resp: 180894
Ion Ratio Lower Upper
129 100
127 74.2 39.0 116.9

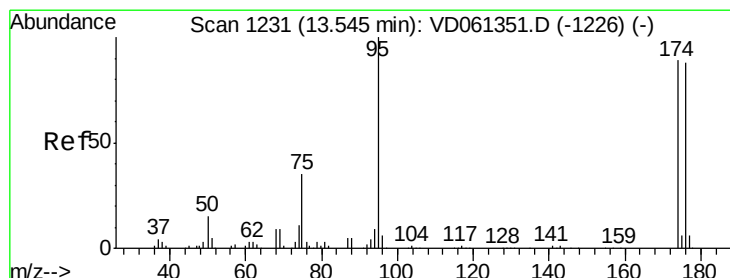
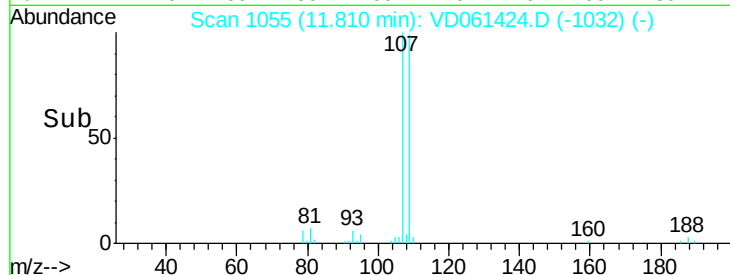
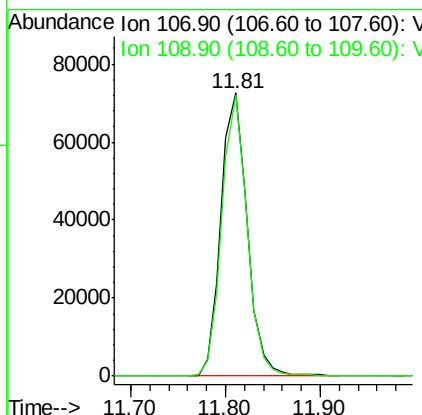
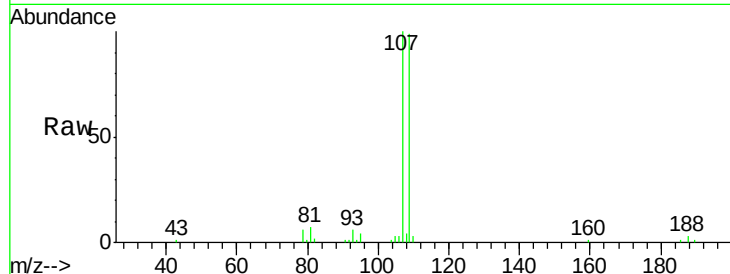




#61
 1,2-Dibromoethane
 Concen: 20.272 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.03 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

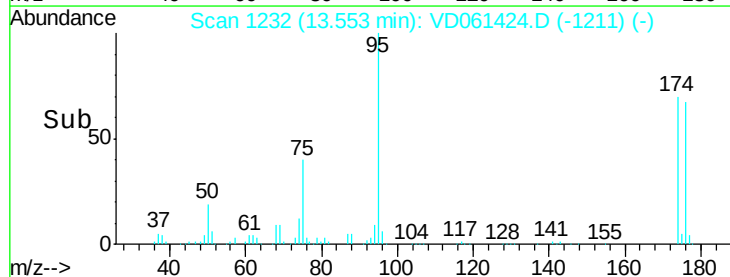
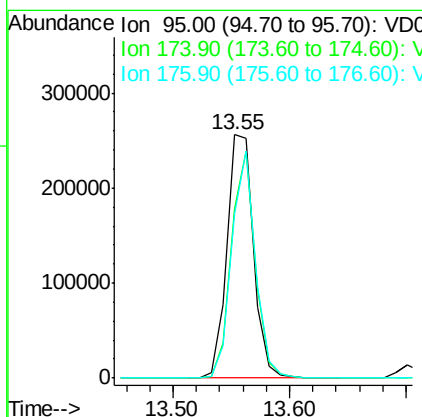
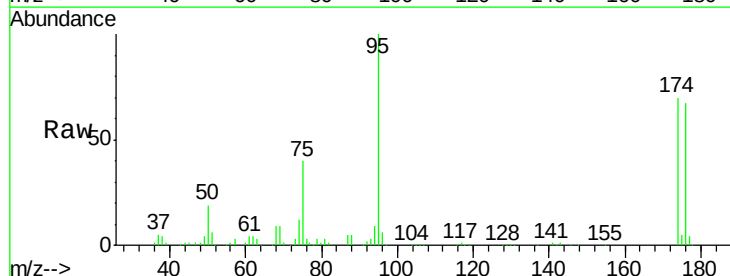
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBS01

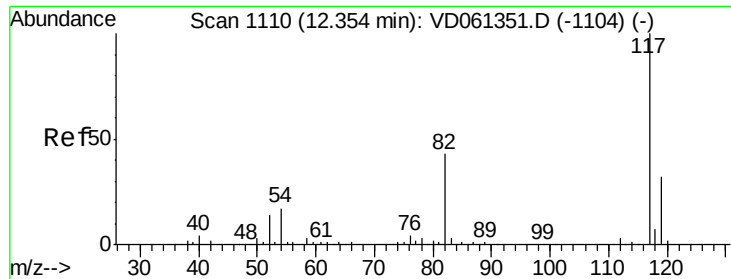
Tot Ion: 107 Resp: 139741
 Ion Ratio Lower Upper
 107 100
 109 99.1 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 20.272 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

Tgt Ion: 95 Resp: 404882
 Ion Ratio Lower Upper
 95 100
 174 69.8 0.0 178.0
 176 67.2 0.0 175.0

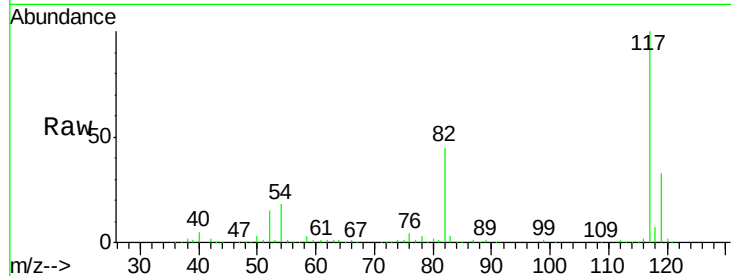




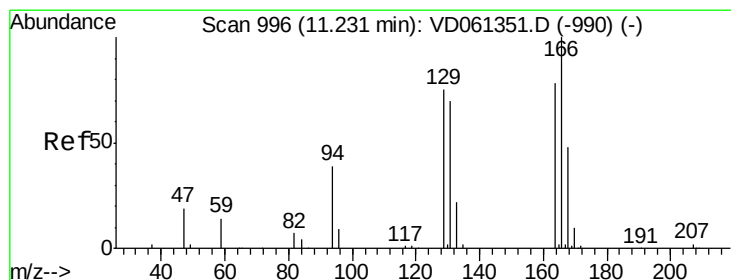
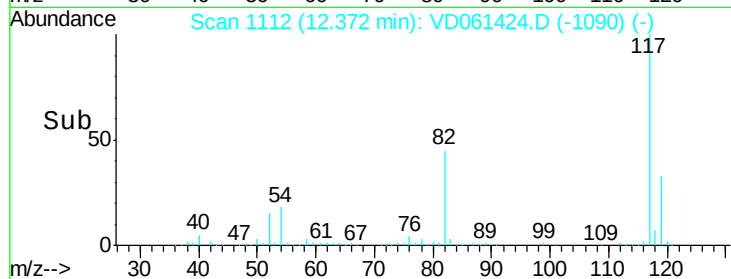
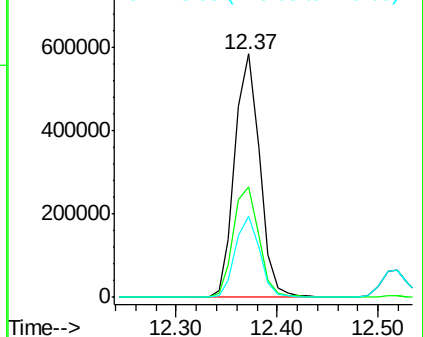
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0329SBS01

Tot Ion:117 Resp: 1005634
Ion Ratio Lower Upper
117 100
82 45.1 34.4 51.6
119 33.2 25.8 38.6

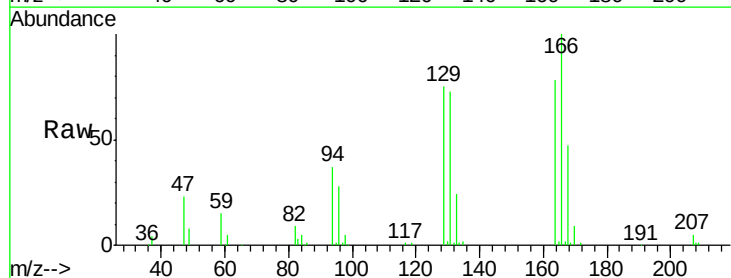


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

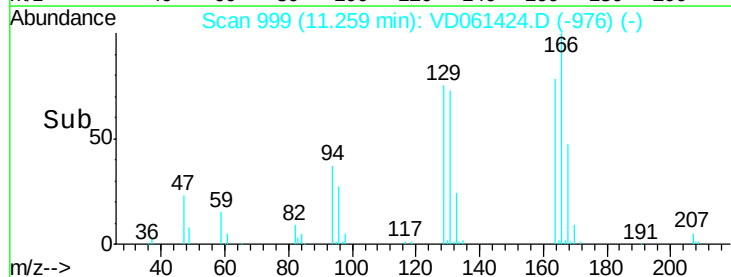
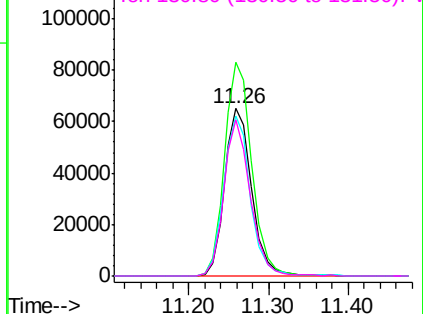


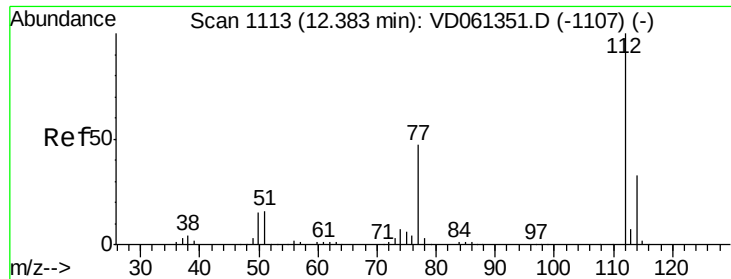
#64
Tetrachloroethene
Concen: 19.637 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.03 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Tgt Ion:164 Resp: 154981
Ion Ratio Lower Upper
164 100
166 127.5 102.4 153.6
129 95.4 76.8 115.2
131 93.5 71.8 107.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

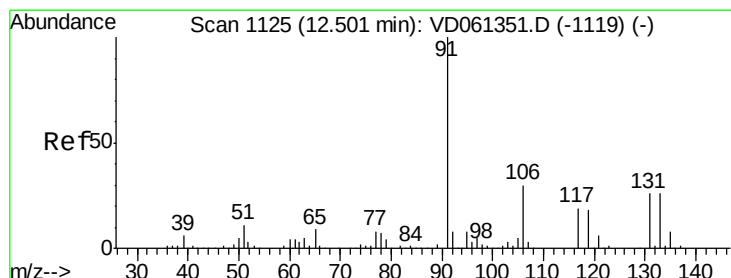
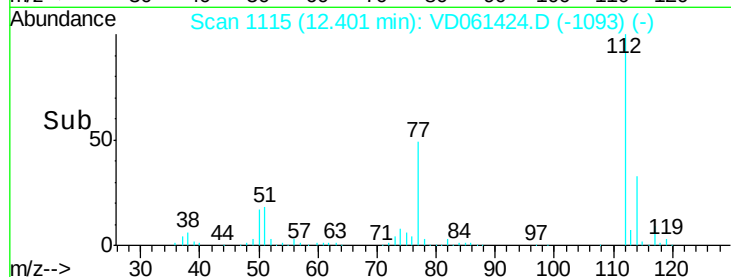
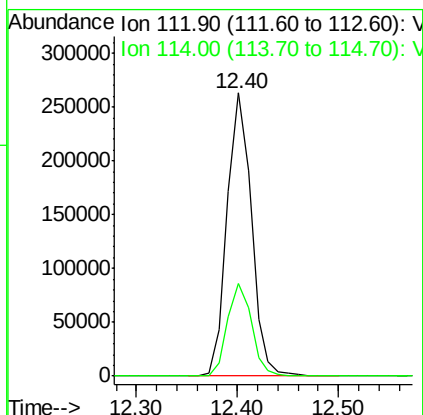
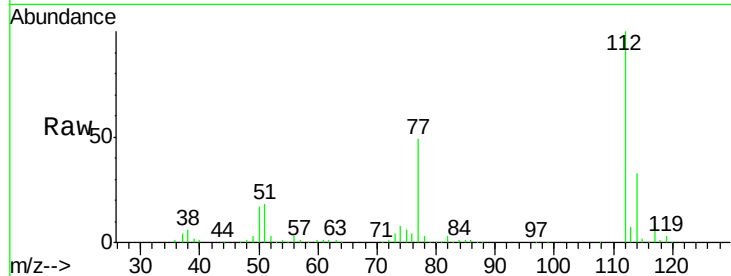




#65
Chlorobenzene
Concen: 21.491 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.02 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

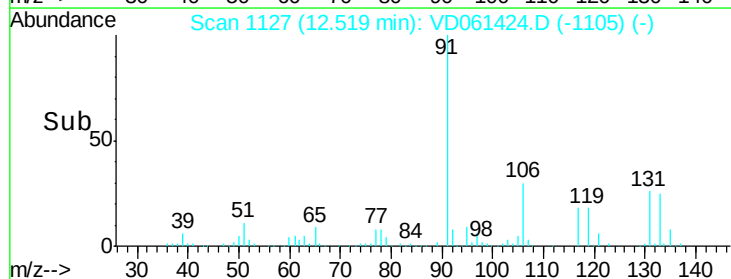
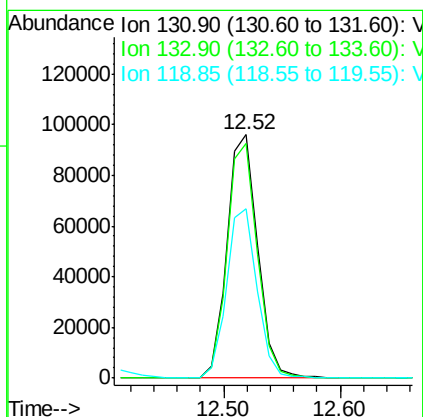
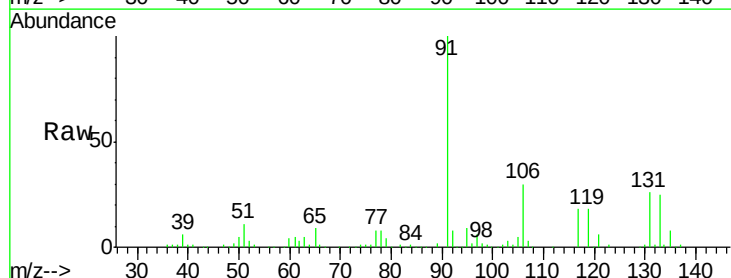
Instrument :
MSVOA_D
ClientSampleId :
VD0329SBS01

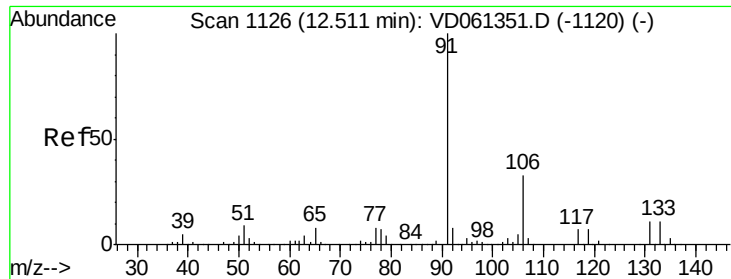
Tot Ion:112 Resp: 441688
Ion Ratio Lower Upper
112 100
114 32.7 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.947 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Tgt Ion:131 Resp: 174645
Ion Ratio Lower Upper
131 100
133 96.4 49.4 148.2
119 69.4 34.1 102.2

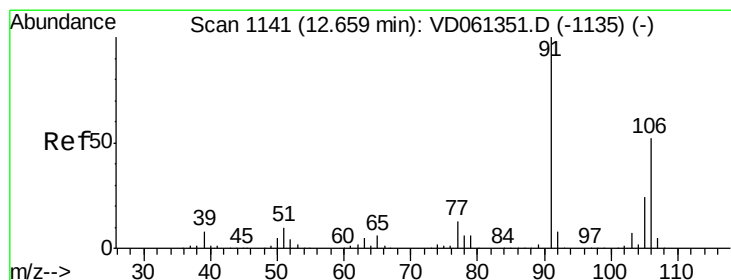
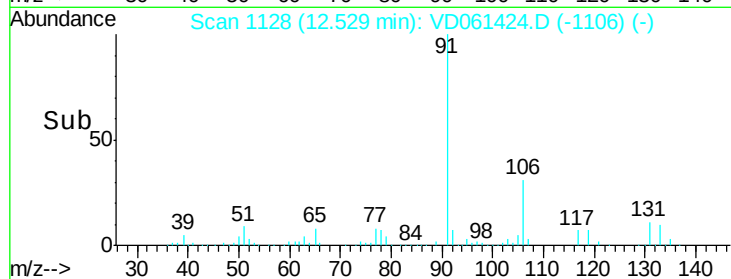
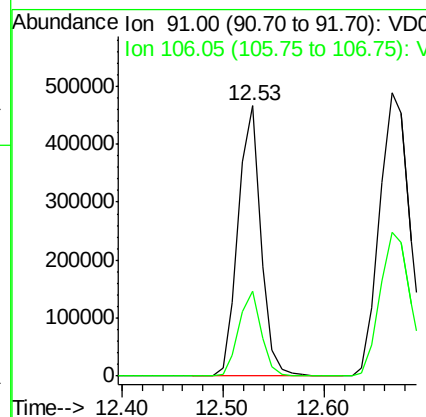
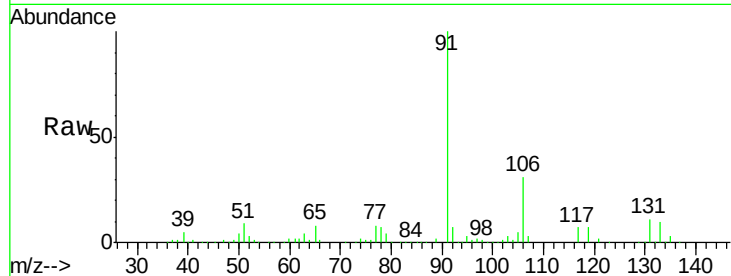




#67
Ethyl Benzene
Concen: 23.233 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

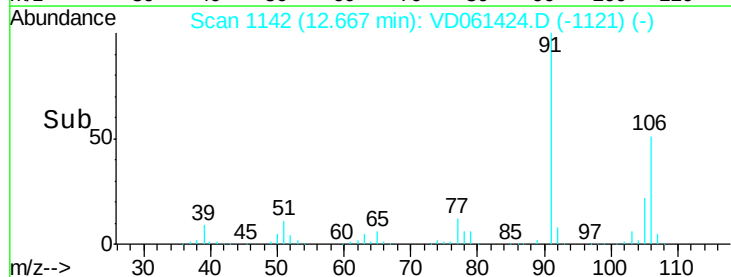
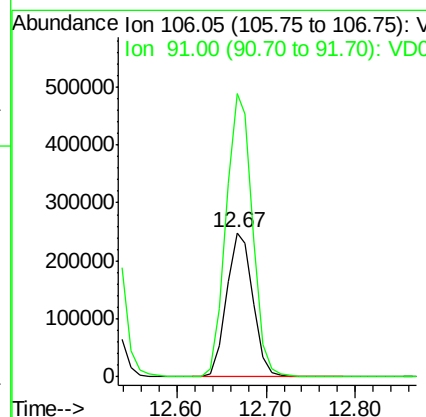
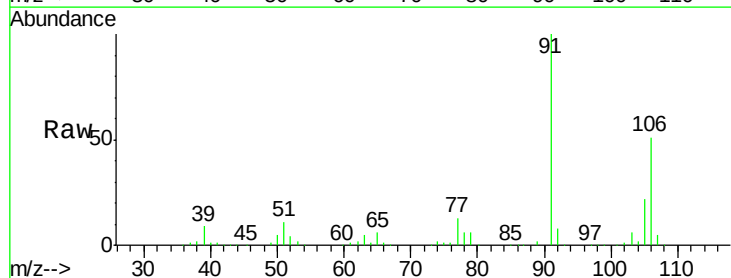
Instrument :
MSVOA_D
ClientSampleId :
VD0329SBS01

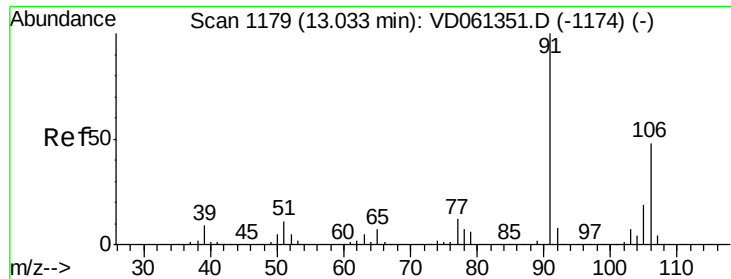
Tot Ion: 91 Resp: 728805
Ion Ratio Lower Upper
91 100
106 31.5 26.1 39.1



#68
m/p-Xylenes
Concen: 43.518 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Tgt Ion: 106 Resp: 517122
Ion Ratio Lower Upper
106 100
91 196.1 153.1 229.7

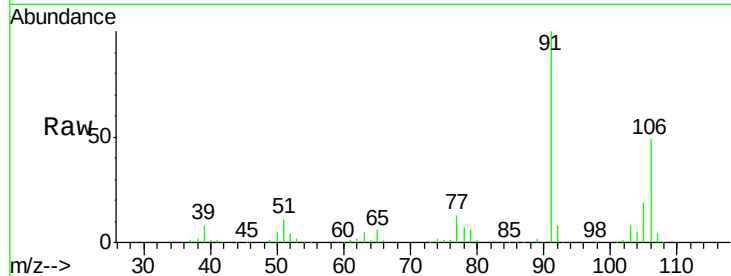




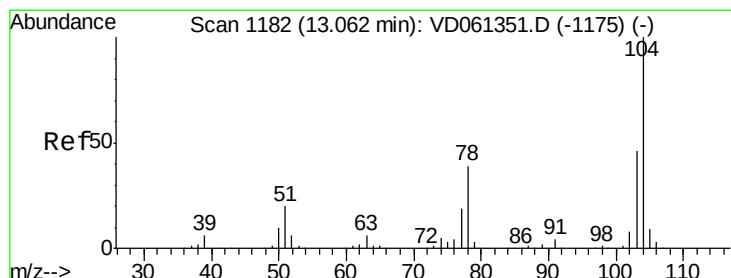
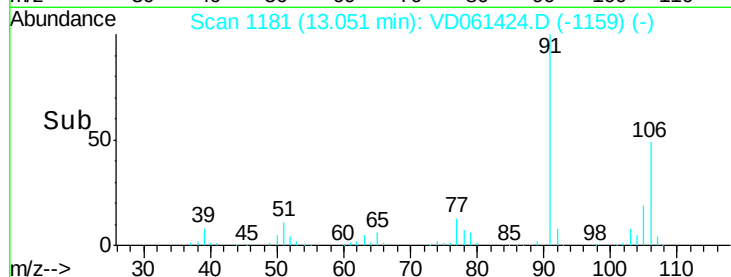
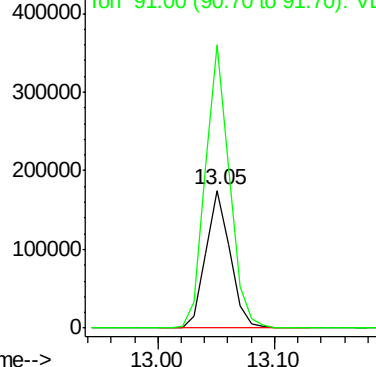
#69
o-Xylene
Concen: 22.032 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0329SBS01

Tot Ion:106 Resp: 254061
Ion Ratio Lower Upper
106 100
91 205.8 103.8 311.3

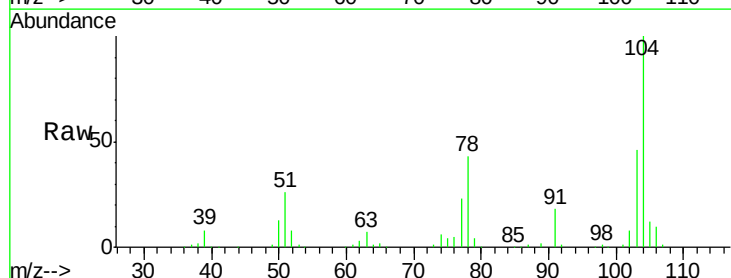


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

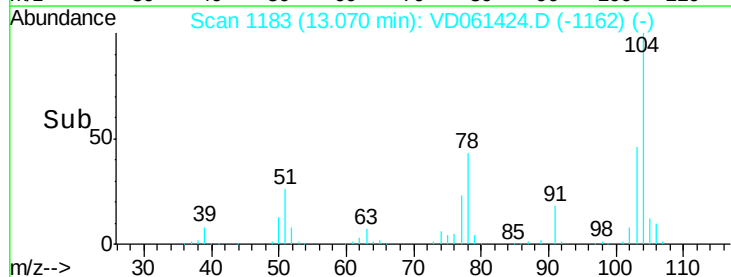
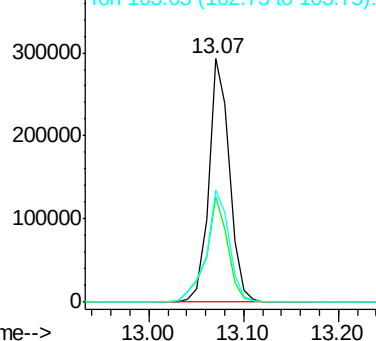


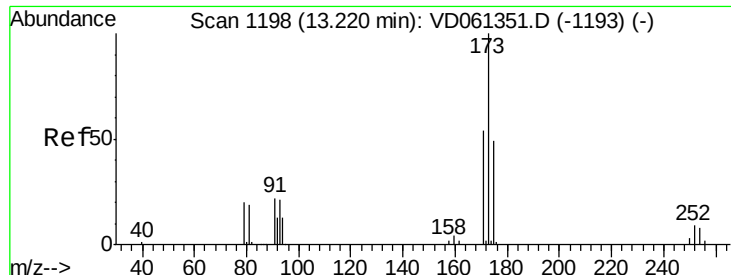
#70
Styrene
Concen: 21.944 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Tgt Ion:104 Resp: 441118
Ion Ratio Lower Upper
104 100
78 43.4 31.0 46.6
103 46.1 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: 19.666 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.02 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

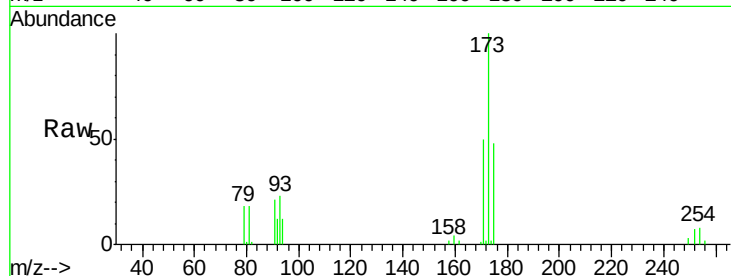
Tot Ion:173 Resp: 99202

Ion Ratio Lower Upper

173 100

175 47.6 24.6 73.8

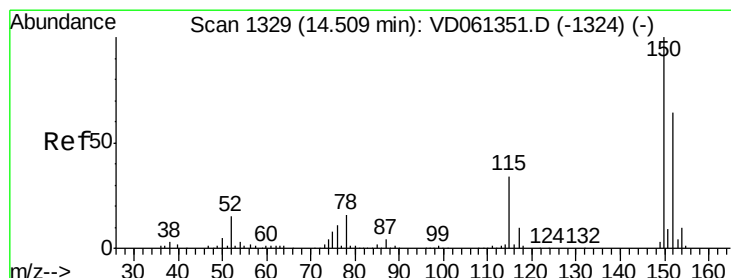
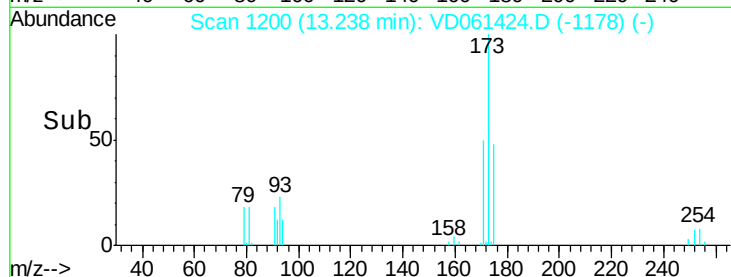
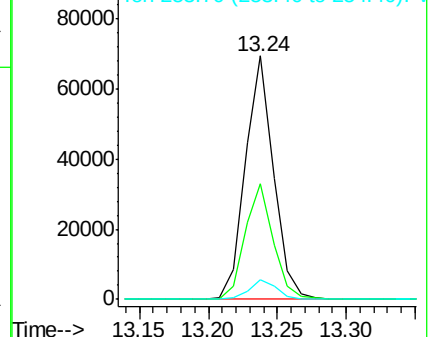
254 7.8 6.6 10.0



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: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

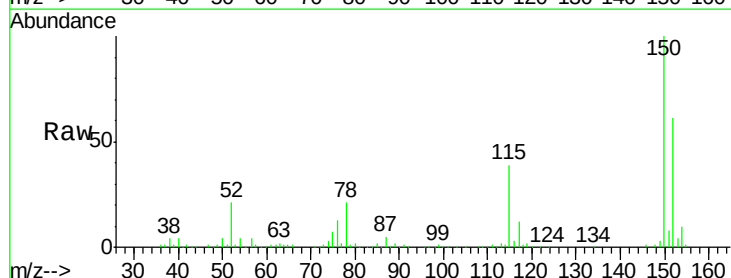
Tgt Ion:152 Resp: 409572

Ion Ratio Lower Upper

152 100

115 63.0 26.9 80.6

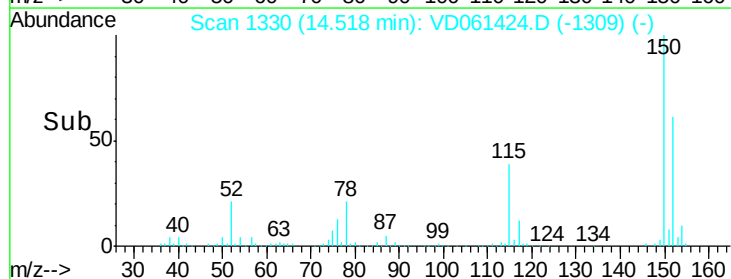
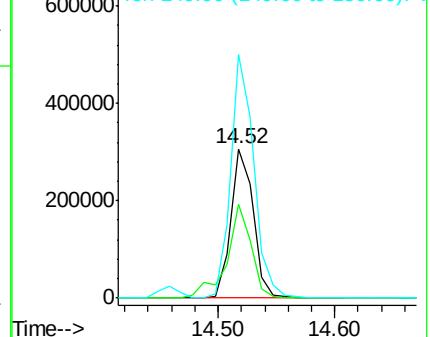
150 162.9 0.0 318.0

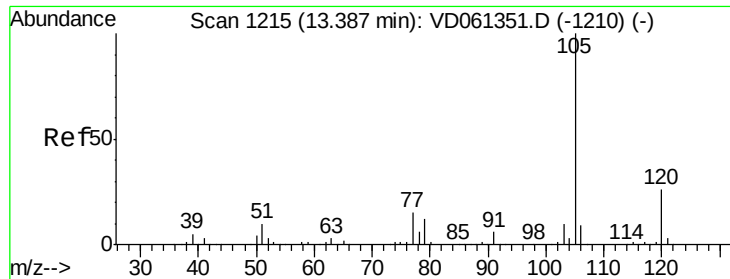


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 24.051 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.02 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

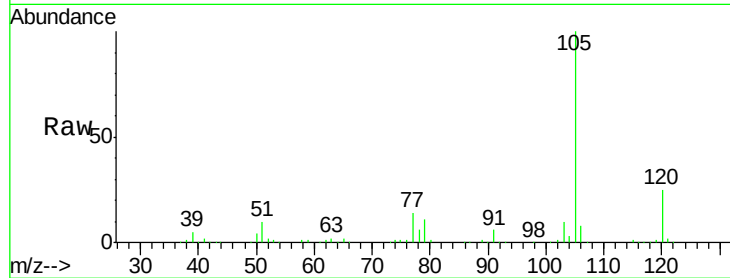
VD0329SBS01

Tot Ion:105 Resp: 685600

Ion Ratio Lower Upper

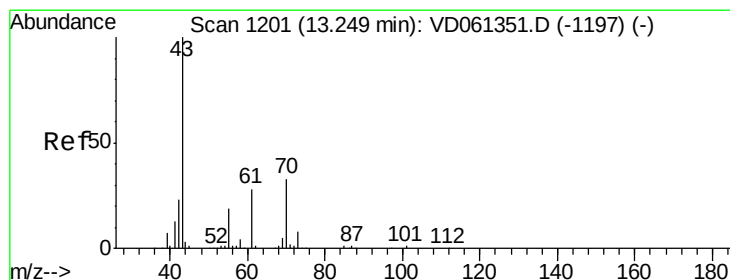
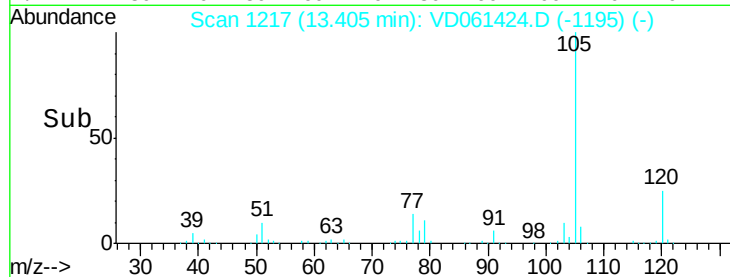
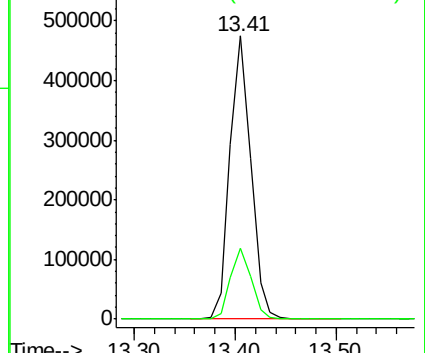
105 100

120 25.1 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.089 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Tgt Ion: 43 Resp: 167467

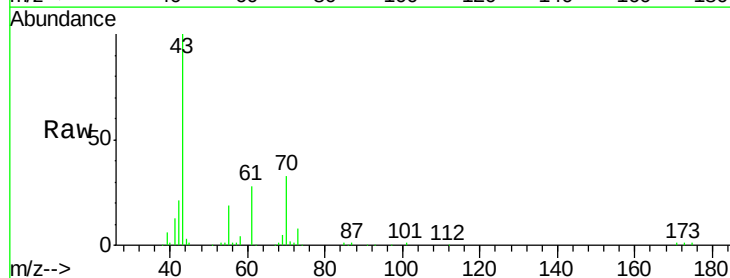
Ion Ratio Lower Upper

43 100

70 32.6 26.6 40.0

55 18.6 15.4 23.2

61 28.2 22.2 33.4

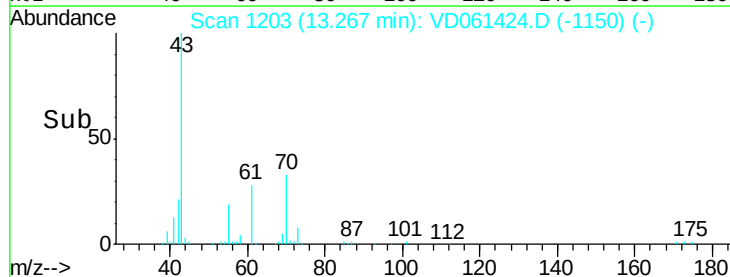
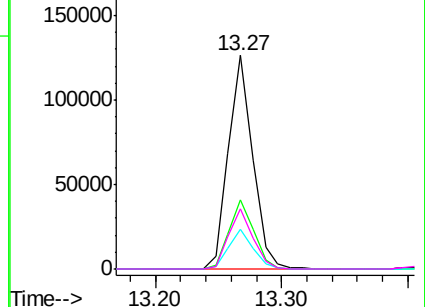


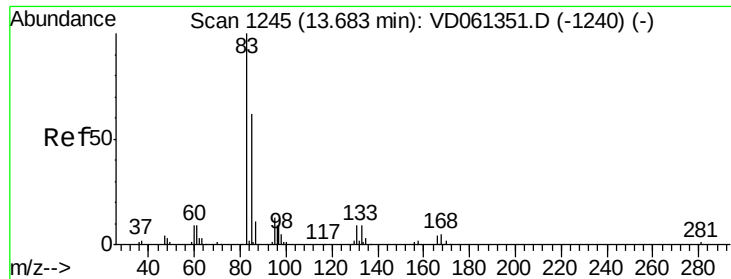
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.661 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.02 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

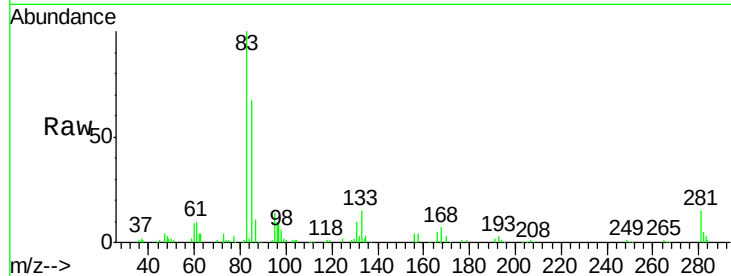
Tot Ion: 83 Resp: 130254

Ion Ratio Lower Upper

83 100

131 9.8 4.3 13.1

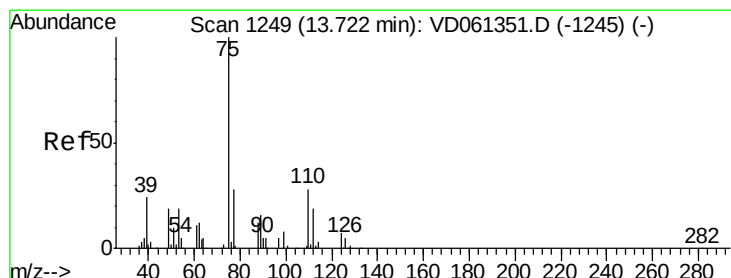
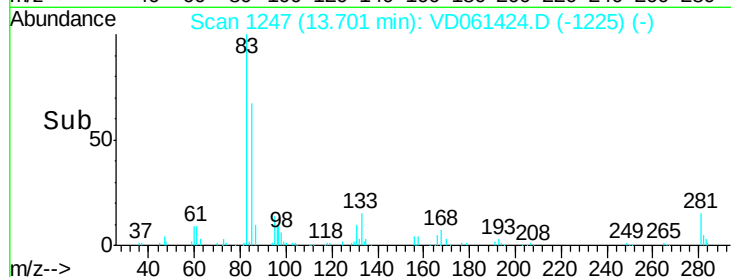
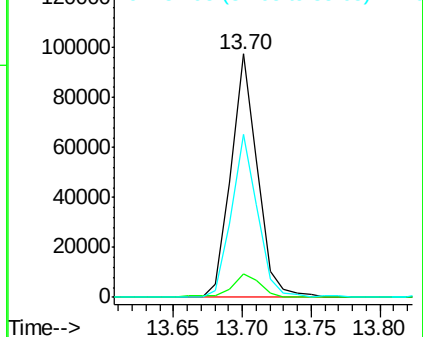
85 67.1 31.2 93.6



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: 20.331 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD061424.D

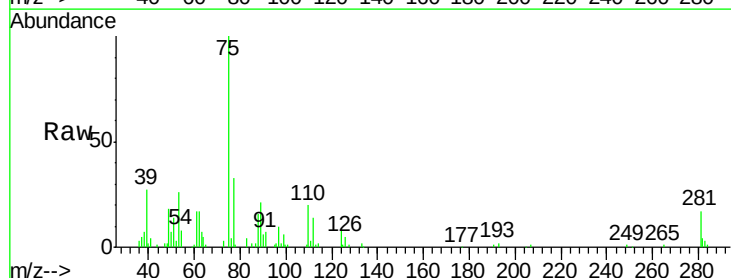
Acq: 29 Mar 2019 12:42

Tgt Ion: 75 Resp: 120283

Ion Ratio Lower Upper

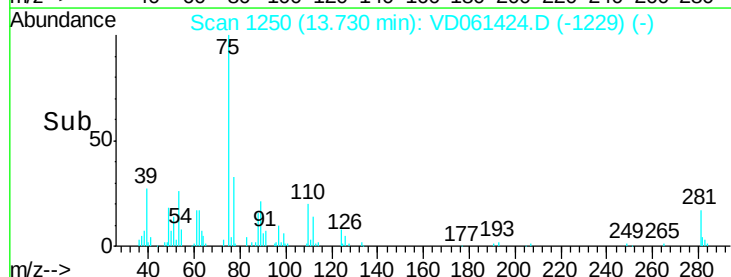
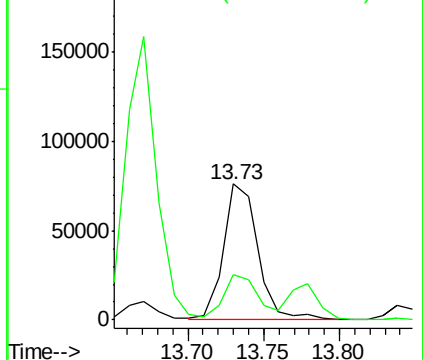
75 100

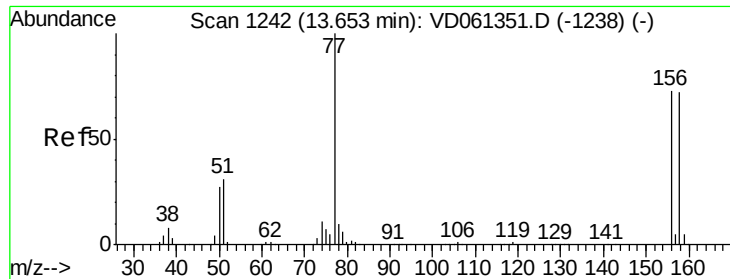
77 33.0 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.072 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

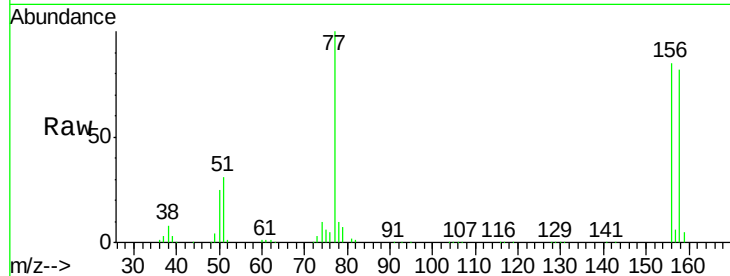
Tot Ion:156 Resp: 186529

Ion Ratio Lower Upper

156 100

77 117.8 68.5 205.6

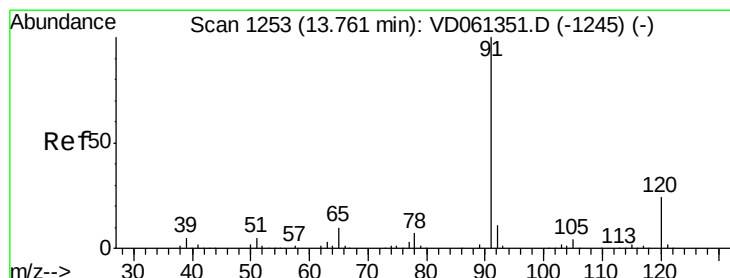
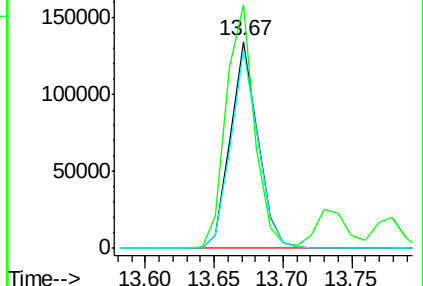
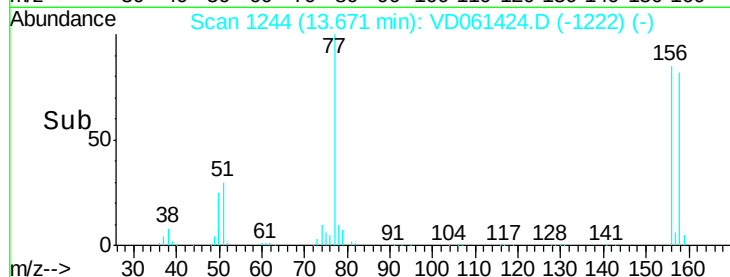
158 96.2 49.1 147.3



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: 22.638 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD061424.D

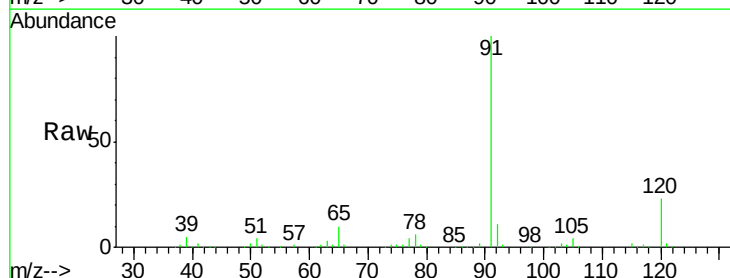
Acq: 29 Mar 2019 12:42

Tgt Ion: 91 Resp: 789729

Ion Ratio Lower Upper

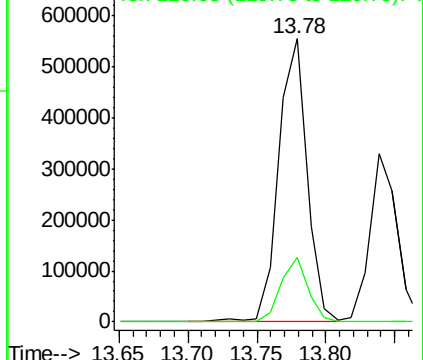
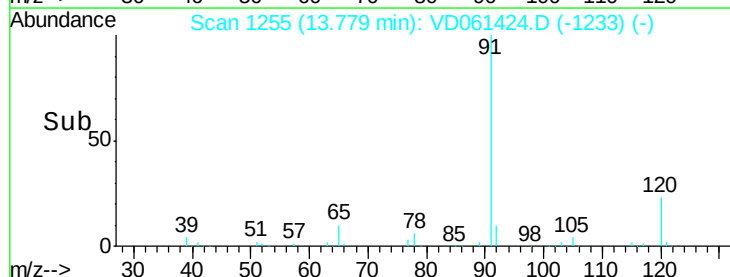
91 100

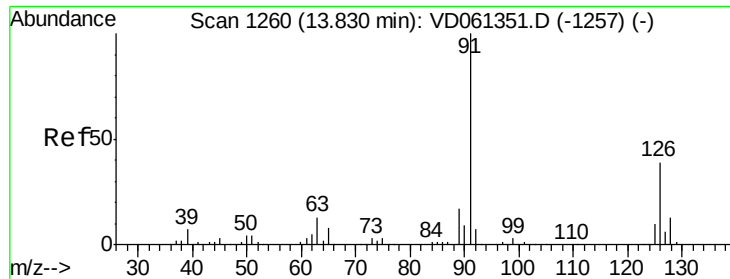
120 22.8 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

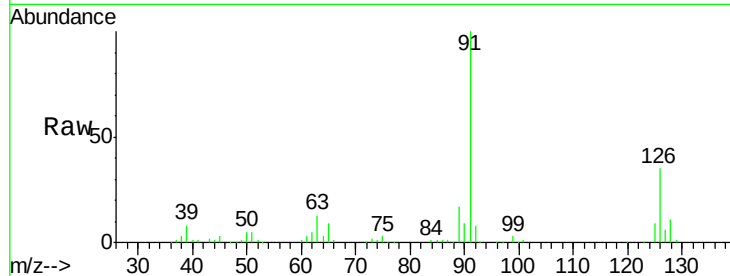




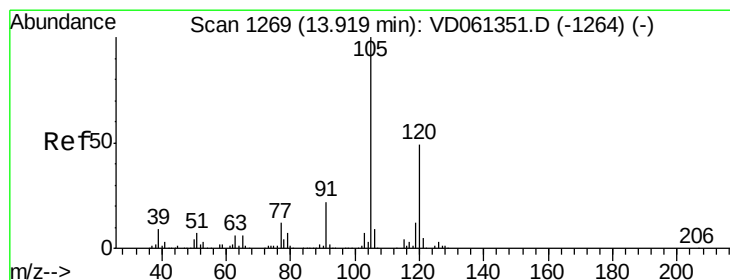
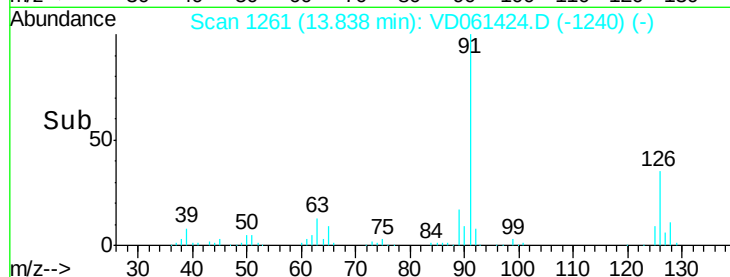
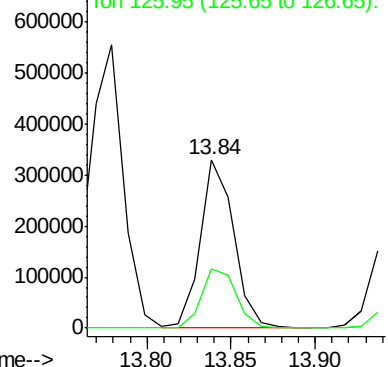
#79
 2-Chlorotoluene
 Concen: 23.739 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBS01

Tot Ion: 91 Resp: 449646
 Ion Ratio Lower Upper
 91 100
 126 35.2 19.4 58.2

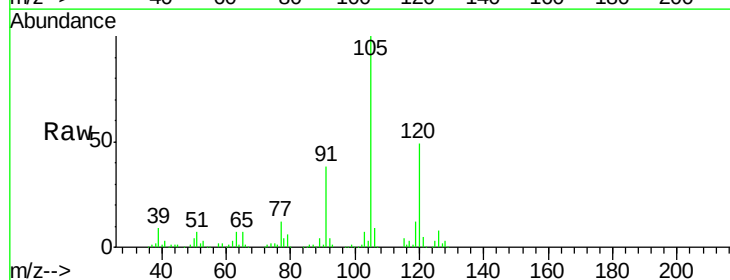


Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)
 Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)

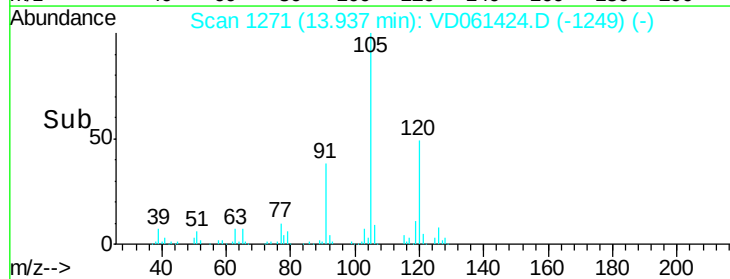
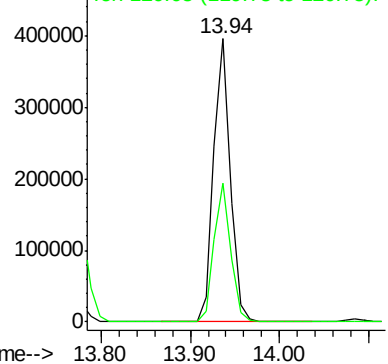


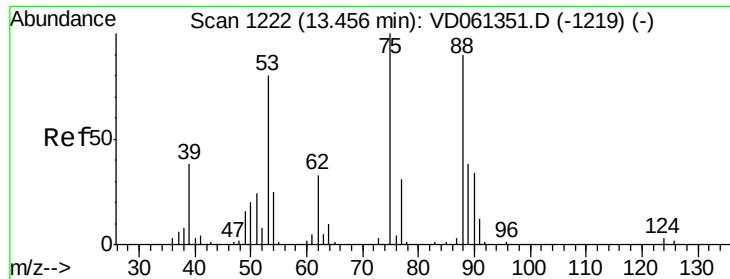
#80
 1,3,5-Trimethylbenzene
 Concen: 23.460 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.02 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

Tgt Ion: 105 Resp: 518872
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)
 Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.584 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.02 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

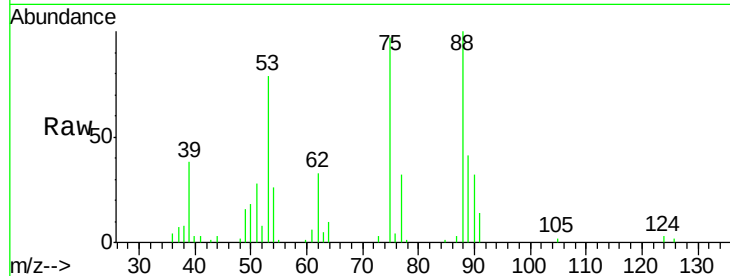
Tot Ion: 75 Resp: 37131

Ion Ratio Lower Upper

75 100

53 80.9 63.8 95.8

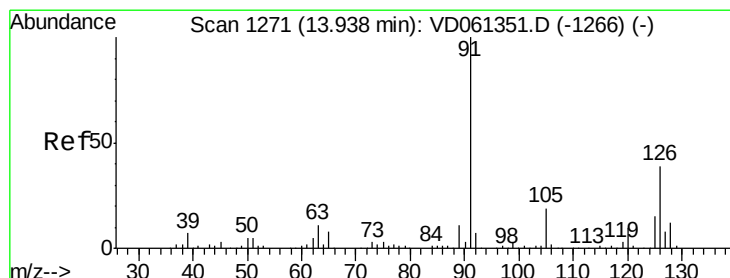
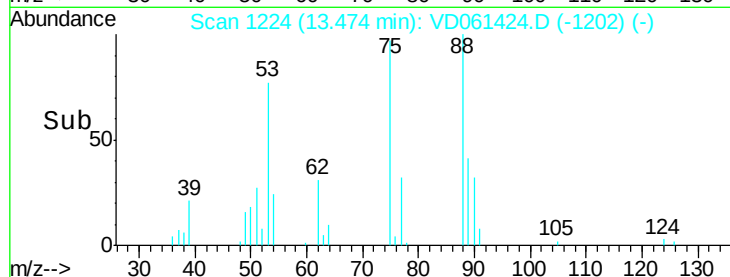
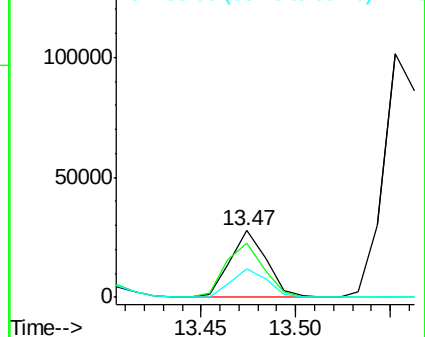
89 42.6 30.5 45.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 23.651 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061424.D

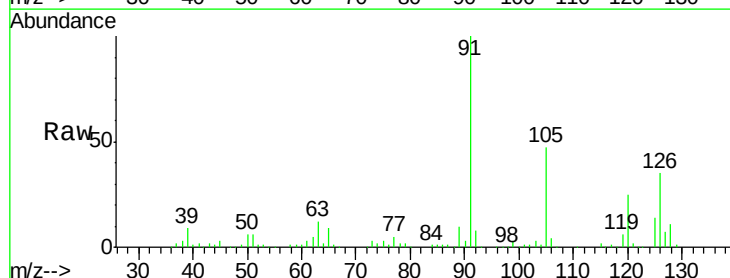
Acq: 29 Mar 2019 12:42

Tgt Ion: 91 Resp: 487100

Ion Ratio Lower Upper

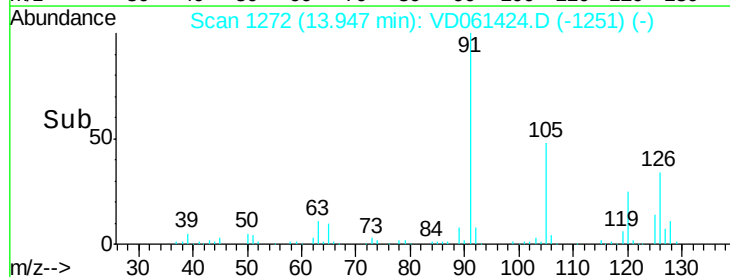
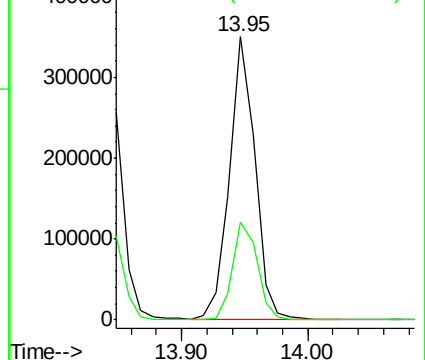
91 100

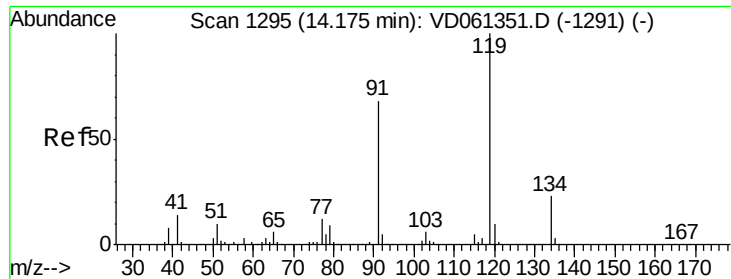
126 34.6 19.6 58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

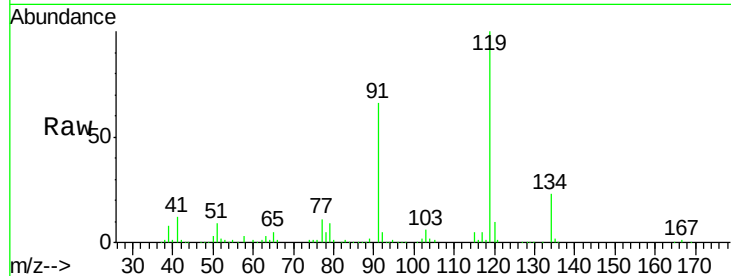




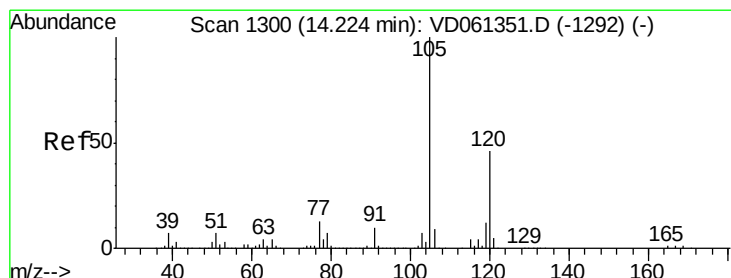
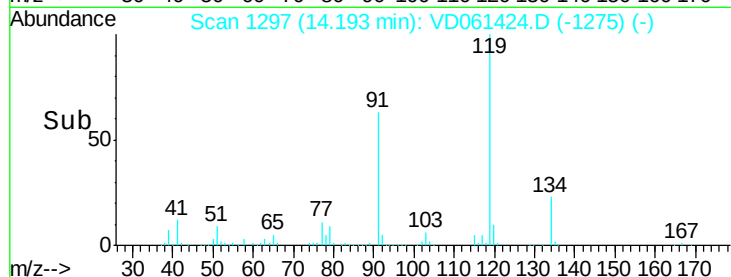
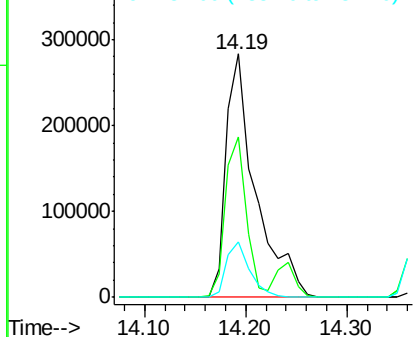
#83
 tert-Butylbenzene
 Concen: 20.873 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.02 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBS01

Tot Ion:119 Resp: 576944
 Ion Ratio Lower Upper
 119 100
 91 66.0 34.1 102.3
 134 23.0 11.6 34.8

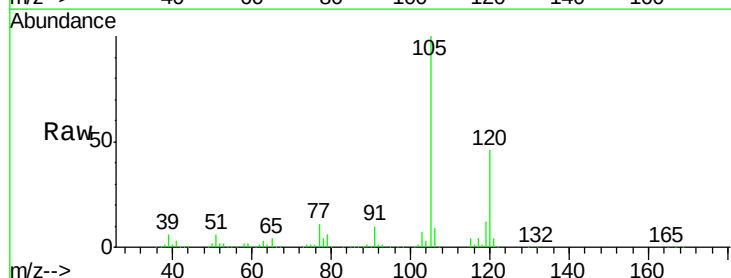


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

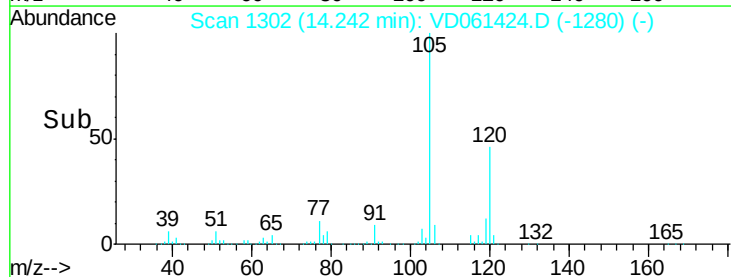
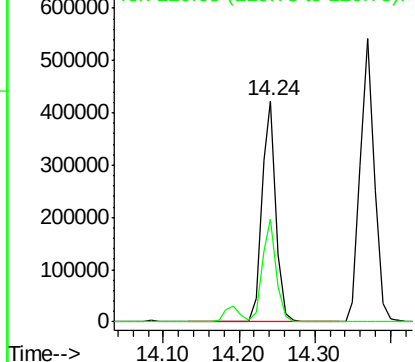


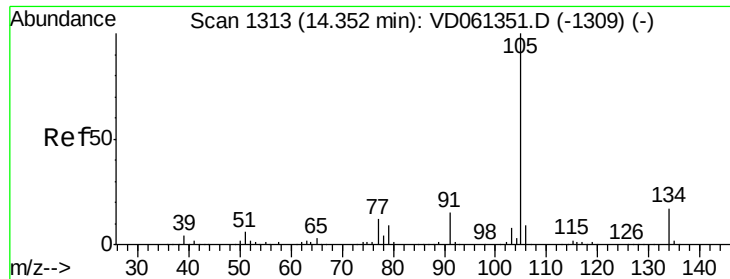
#84
 1,2,4-Trimethylbenzene
 Concen: 23.084 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.02 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

Tgt Ion:105 Resp: 552728
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.8 68.4



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

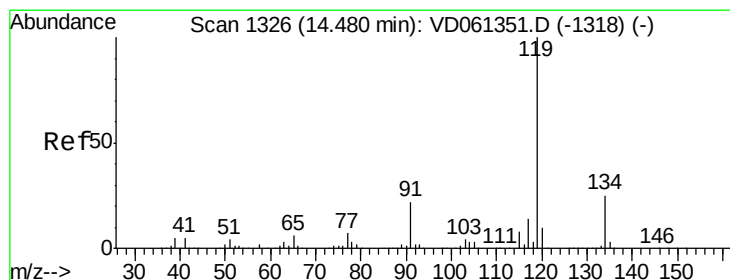
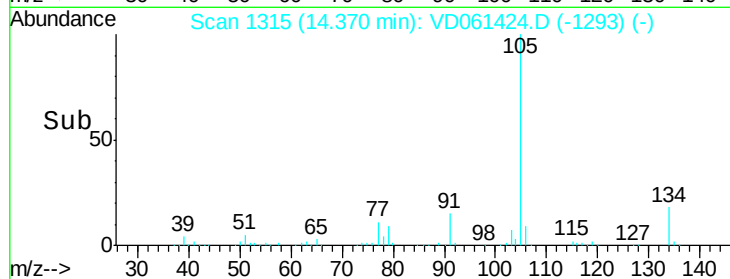
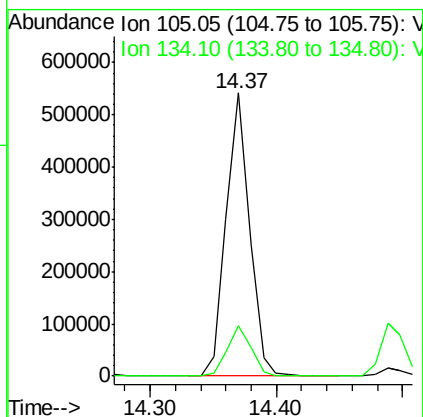
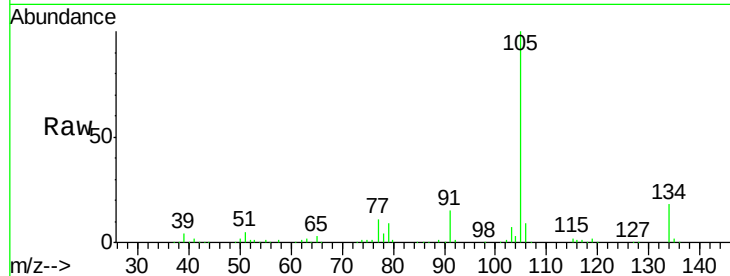




#85
 sec-Butylbenzene
 Concen: 23.590 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.02 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

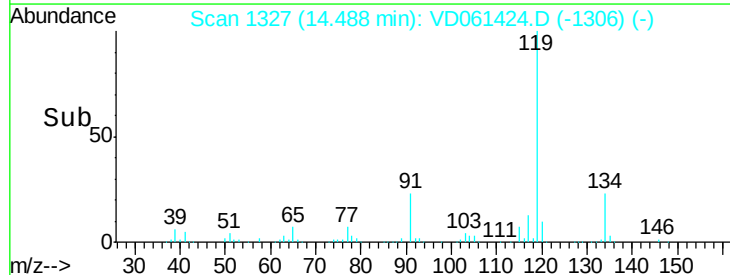
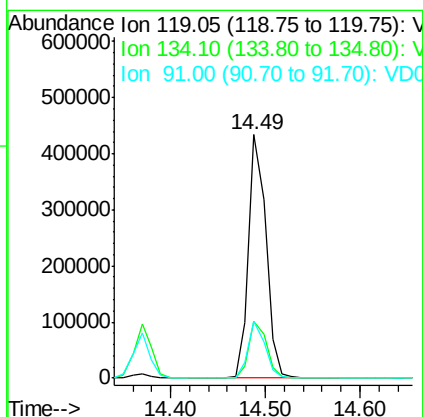
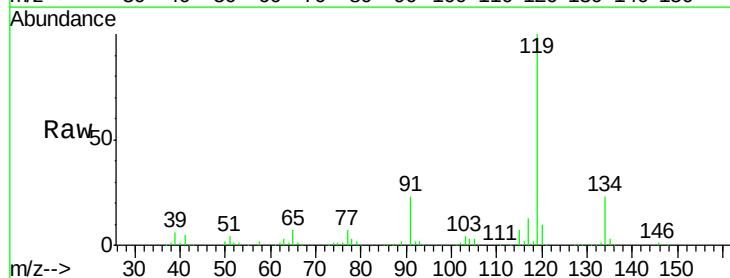
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBS01

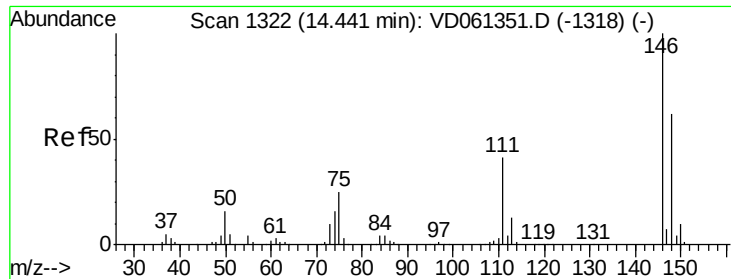
Tot Ion:105 Resp: 692675
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 22.409 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

Tgt Ion:119 Resp: 556415
 Ion Ratio Lower Upper
 119 100
 134 23.4 12.3 36.8
 91 23.3 11.1 33.1

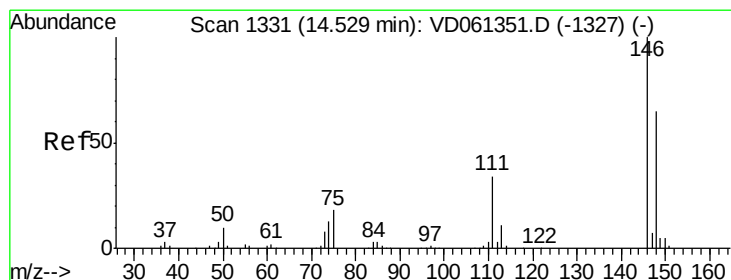
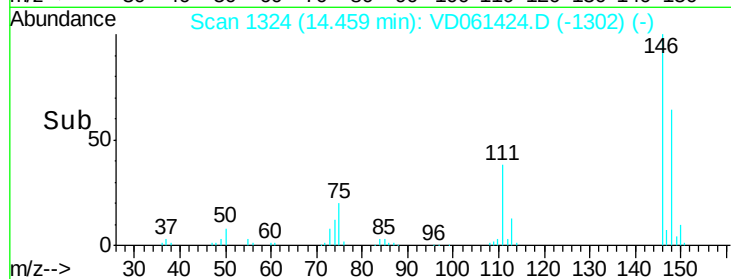
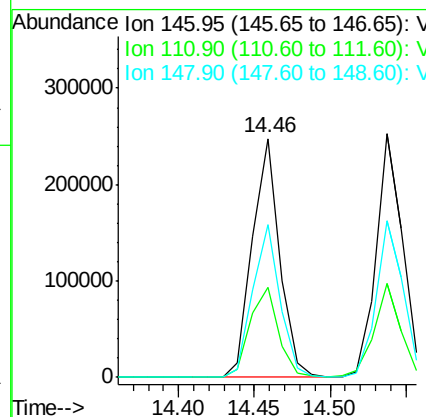
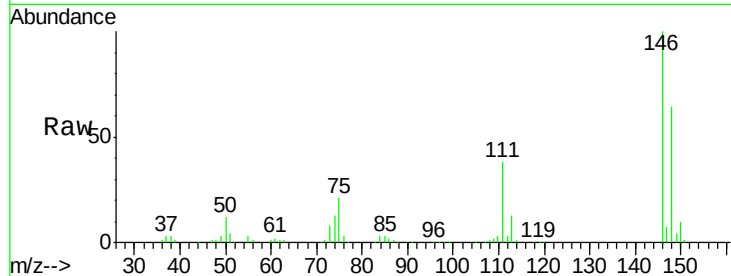




#87
 1,3-Dichlorobenzene
 Concen: 21.868 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.02 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

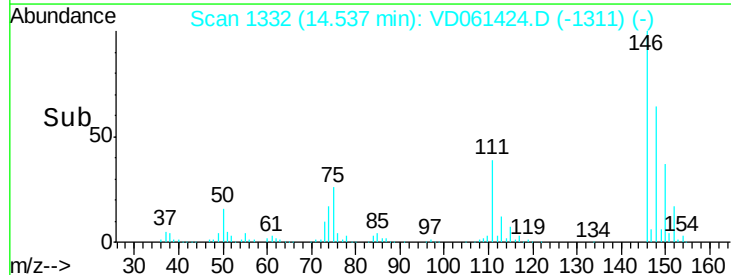
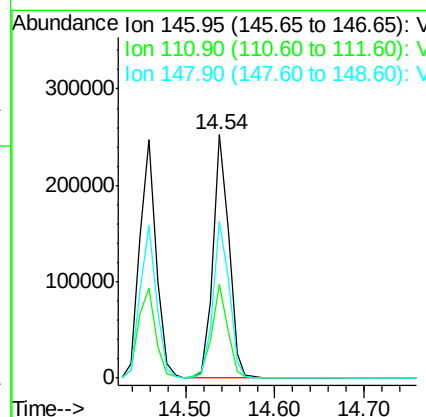
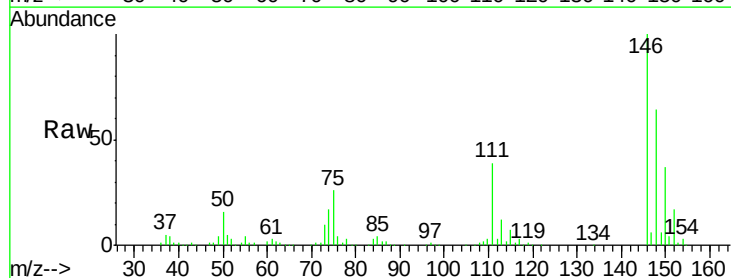
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBS01

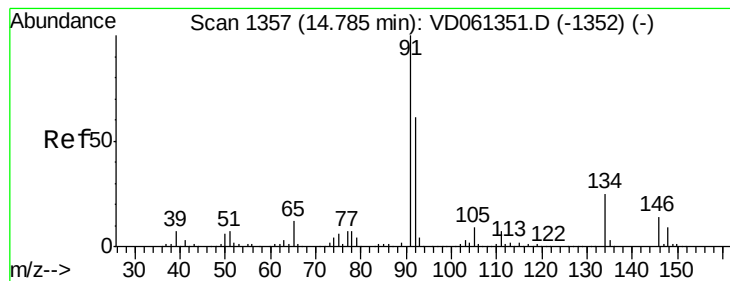
Tot Ion:146 Resp: 312938
 Ion Ratio Lower Upper
 146 100
 111 37.6 20.6 61.9
 148 64.2 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 22.323 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

Tgt Ion:146 Resp: 311527
 Ion Ratio Lower Upper
 146 100
 111 38.6 16.8 50.4
 148 64.2 32.6 98.0





#89

n-Butylbenzene

Concen: 23.588 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.02 min

Lab File: VD061424.D

Acq: 29 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

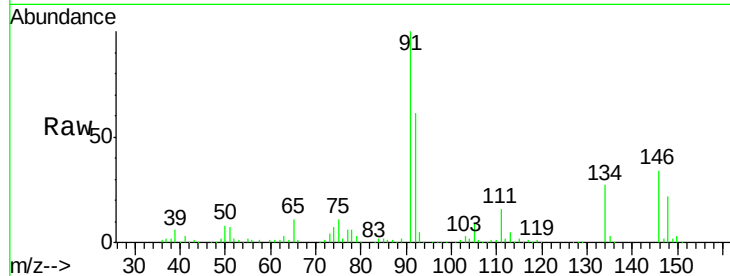
Tot Ion: 91 Resp: 537570

Ion Ratio Lower Upper

91 100

92 61.5 30.3 91.0

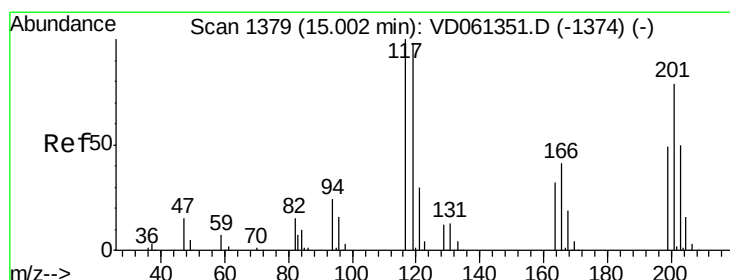
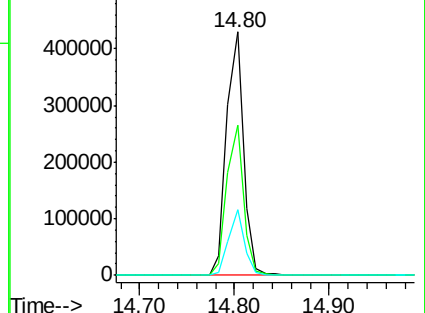
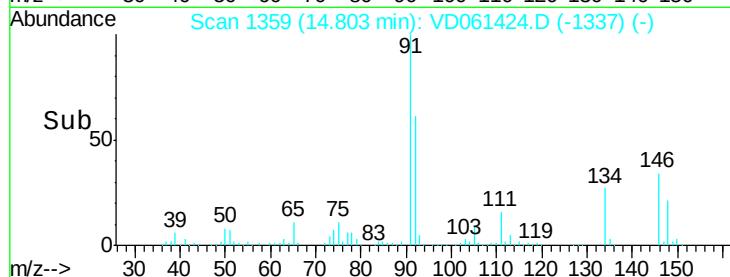
134 26.8 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 22.751 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD061424.D

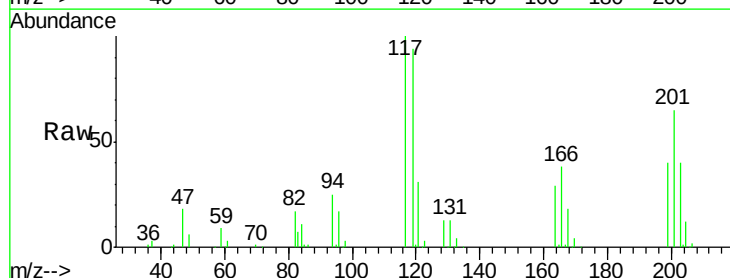
Acq: 29 Mar 2019 12:42

Tgt Ion: 117 Resp: 159593

Ion Ratio Lower Upper

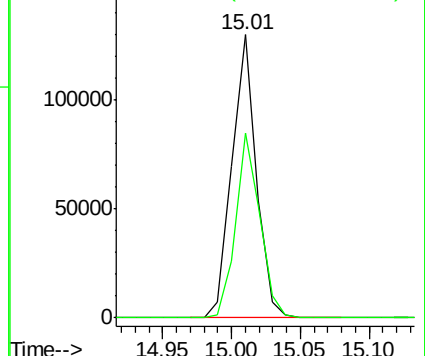
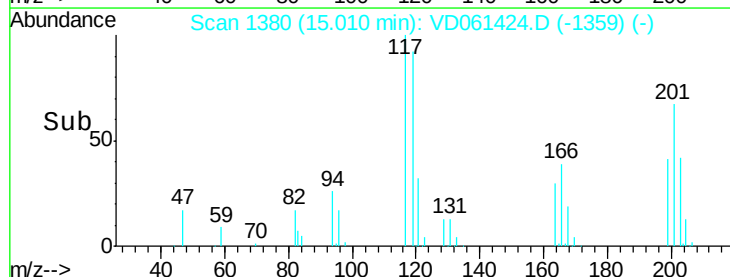
117 100

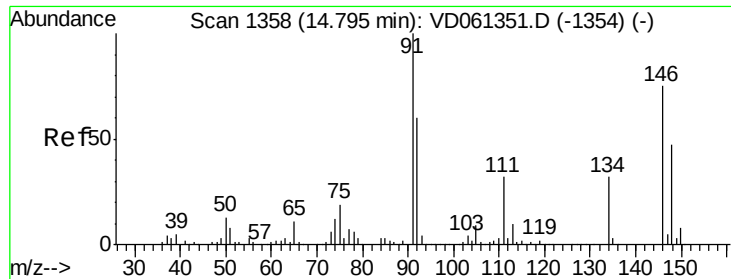
201 65.2 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

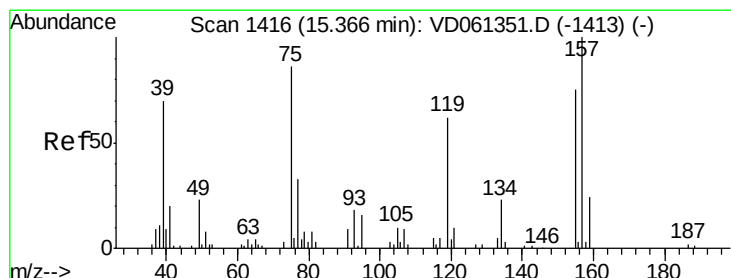
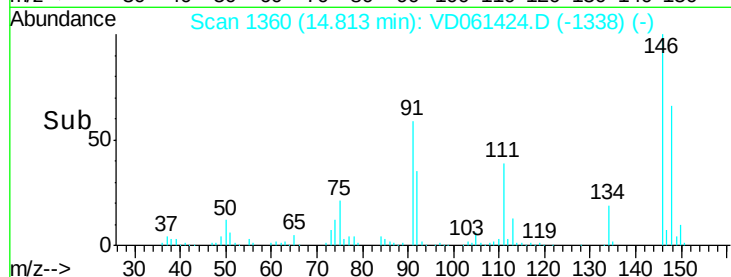
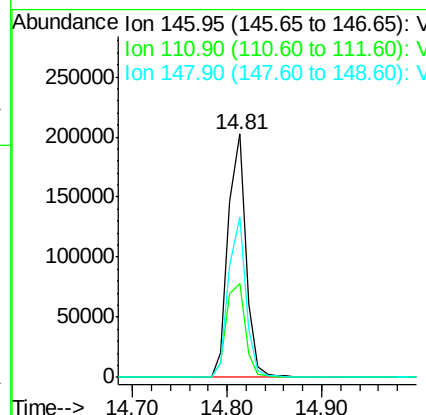
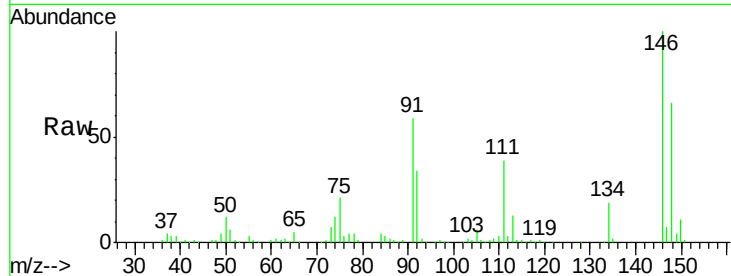




#91
 1,2-Dichlorobenzene
 Concen: 22.476 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

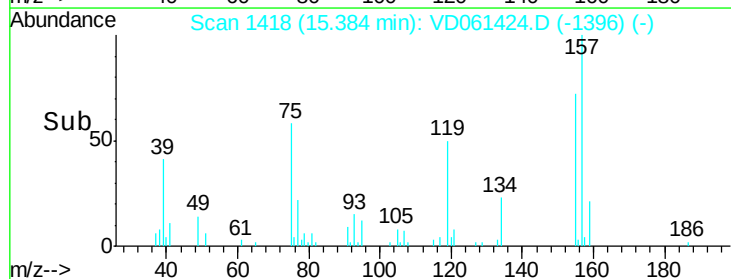
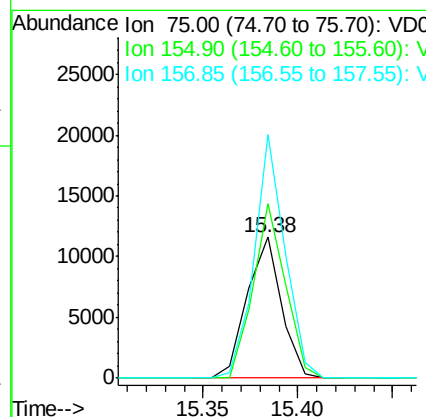
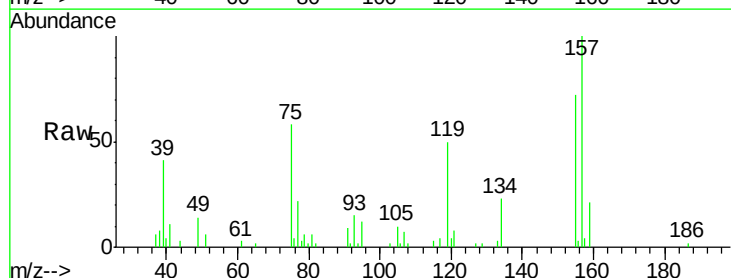
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0329SBS01

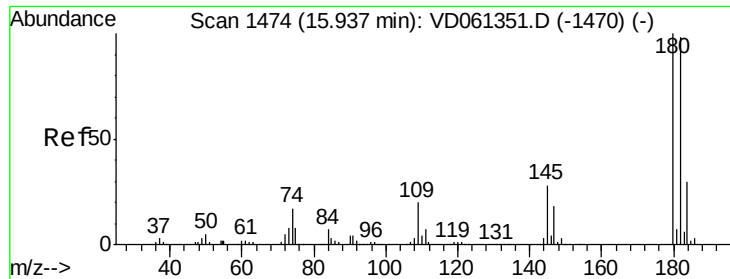
Tot Ion:146 Resp: 263828
 Ion Ratio Lower Upper
 146 100
 111 38.8 21.2 63.6
 148 65.7 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.567 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.02 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

Tgt Ion: 75 Resp: 14505
 Ion Ratio Lower Upper
 75 100
 155 123.9 43.6 130.9
 157 172.9 58.5 175.3

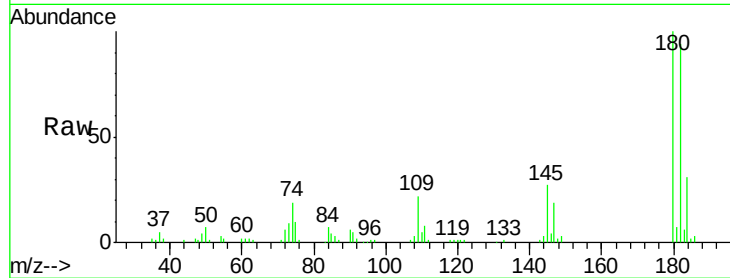




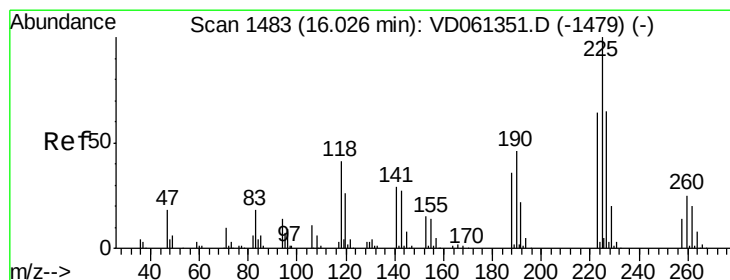
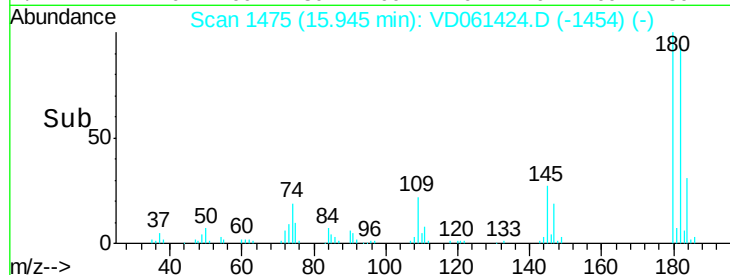
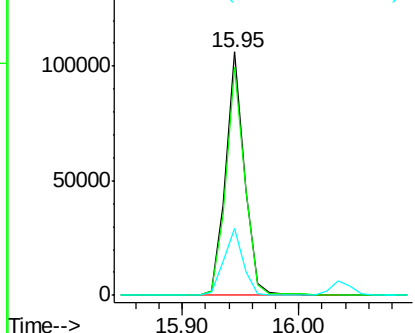
#93
 1,2,4-Trichlorobenzene
 Concen: 22.222 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBS01

Tot Ion:180 Resp: 118822
 Ion Ratio Lower Upper
 180 100
 182 94.0 48.9 146.8
 145 27.4 14.1 42.3

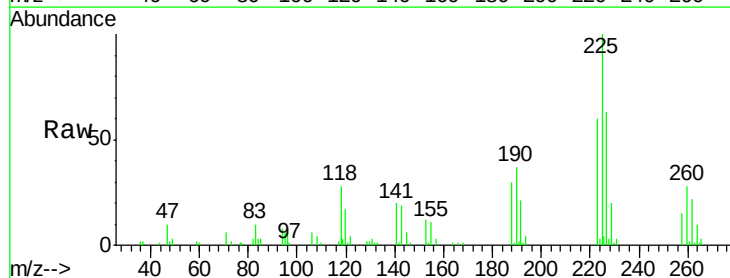


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

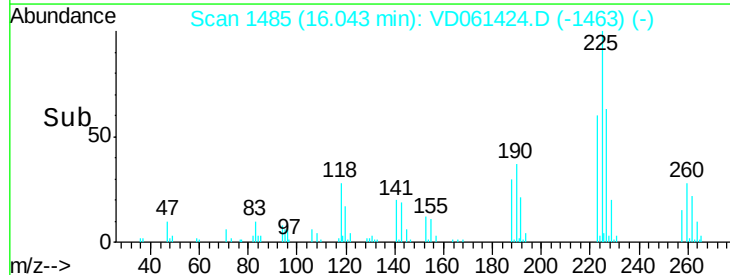
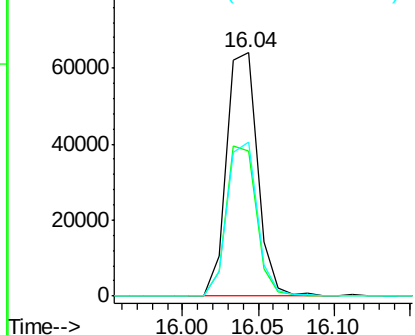


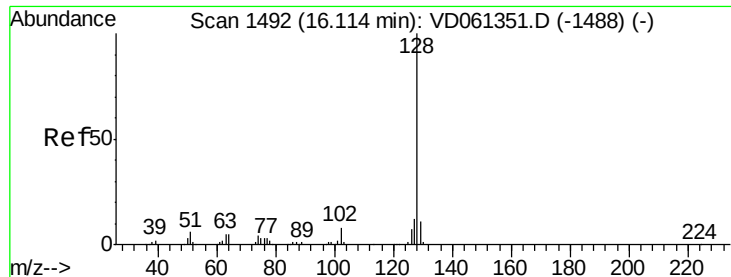
#94
 Hexachlorobutadiene
 Concen: 21.806 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.02 min
 Lab File: VD061424.D
 Acq: 29 Mar 2019 12:42

Tgt Ion:225 Resp: 91114
 Ion Ratio Lower Upper
 225 100
 223 59.8 32.0 96.0
 227 63.3 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

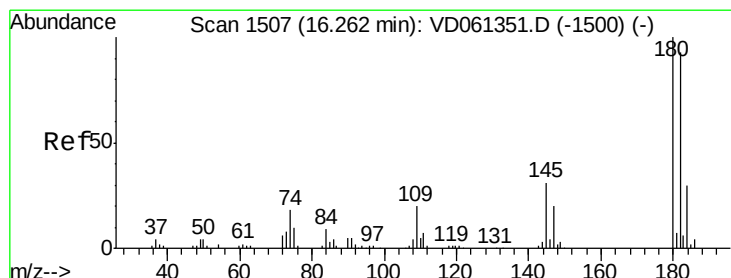
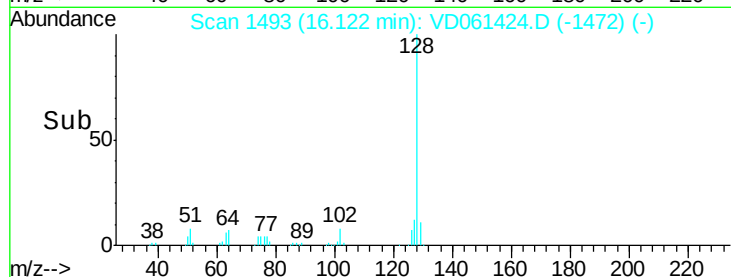
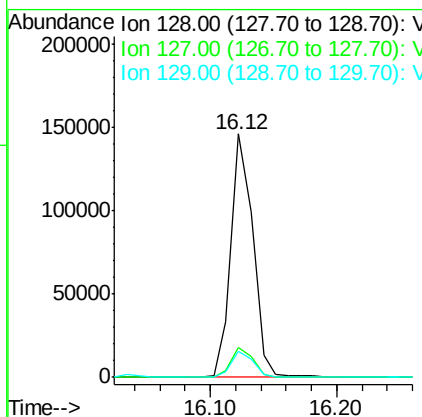
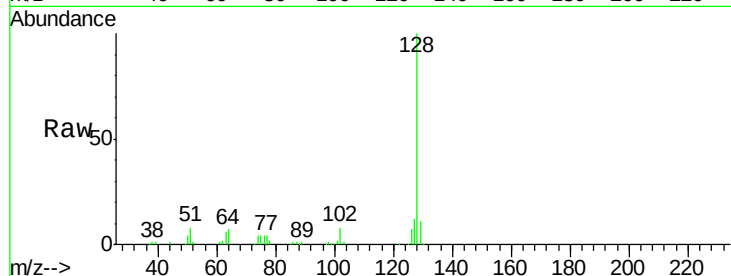




#95
Naphthalene
Concen: 21.632 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0329SBS01

Tot Ion:128 Resp: 176309
Ion Ratio Lower Upper
128 100
127 12.3 9.9 14.9
129 10.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 21.842 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD061424.D
Acq: 29 Mar 2019 12:42

Tgt Ion:180 Resp: 51393
Ion Ratio Lower Upper
180 100
182 97.2 46.4 139.1
145 30.6 15.3 45.9

