

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032719\NOT REVIEWED DATA\VD032719\
 Data File : VD061369.D
 Acq On : 28 Mar 2019 00:51
 Operator : VA/AP
 Sample : VD0327SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS02

Quant Time: Mar 28 04:06:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 02:13:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	600707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1080494	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	982993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	429370	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	283772	55.30	ug/l	0.00
Spiked Amount			Recovery	=	110.60%	
35) Dibromofluoromethane	6.90	113	443210	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	
50) Toluene-d8	10.38	98	1023124	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
62) 4-Bromofluorobenzene	13.54	95	413465	54.44	ug/l	0.00
Spiked Amount			Recovery	=	108.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	127931	19.942	ug/l	100
3) Chloromethane	1.76	50	112151	21.435	ug/l	98
4) Vinyl Chloride	1.86	62	96668	20.123	ug/l	99
5) Bromomethane	2.15	94	17928	18.820	ug/l	93
6) Chloroethane	2.26	64	25387	18.021	ug/l	100
7) Trichlorofluoromethane	2.52	101	138583	19.838	ug/l	100
8) Diethyl Ether	2.87	74	53385	23.736	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.13	101	156124	20.789	ug/l	97
10) Methyl Iodide	3.29	142	166658	17.051	ug/l	99
11) Tert butyl alcohol	4.06	59	34573	108.185	ug/l	100
12) 1,1-Dichloroethene	3.12	96	135573	21.026	ug/l	94
13) Acrolein	3.03	56	32043	119.654	ug/l	96
14) Allyl chloride	3.61	41	187040	20.798	ug/l	97
15) Acrylonitrile	4.18	53	130324	117.497	ug/l	97
16) Acetone	3.21	43	126032	95.542	ug/l	94
17) Carbon Disulfide	3.36	76	417125	19.911	ug/l	100
18) Methyl Acetate	3.63	43	68129	24.564	ug/l	99
19) Methyl tert-butyl Ether	4.22	73	265489	23.787	ug/l	98
20) Methylene Chloride	3.80	84	182732	23.719	ug/l	99
21) trans-1,2-Dichloroethene	4.20	96	152107	21.850	ug/l	95
22) Diisopropyl ether	5.09	45	436899	22.957	ug/l	98
23) Vinyl Acetate	5.02	43	1129700	109.282	ug/l	98
24) 1,1-Dichloroethane	4.96	63	234820	20.996	ug/l	98
25) 2-Butanone	6.04	43	169158	101.942	ug/l	97
26) 2,2-Dichloropropane	6.00	77	173579	19.523	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	169042	22.164	ug/l	97
28) Bromochloromethane	6.41	49	93788	20.774	ug/l	97
29) Tetrahydrofuran	6.42	42	87906	109.298	ug/l	99
30) Chloroform	6.64	83	261250	22.606	ug/l	100
31) Cyclohexane	6.92	56	169121	19.135	ug/l	96
32) 1,1,1-Trichloroethane	6.84	97	216407	21.226	ug/l	92
36) 1,1-Dichloropropene	7.12	75	196538	20.841	ug/l	97
37) Ethyl Acetate	6.16	43	91984	22.807	ug/l	96
38) Carbon Tetrachloride	7.08	117	213556	19.889	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032719\NOT REVIEWED DATA\VD032719\
 Data File : VD061369.D
 Acq On : 28 Mar 2019 00:51
 Operator : VA/AP
 Sample : VD0327SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS02

Quant Time: Mar 28 04:06:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 02:13:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	169527	17.261	ug/l	97
40) Benzene	7.43	78	467736	19.763	ug/l	98
41) Methacrylonitrile	6.42	41	97205	20.613	ug/l	96
42) 1,2-Dichloroethane	7.55	62	160455	22.665	ug/l	97
43) Isopropyl Acetate	9.21	43	128136	21.836	ug/l	95
44) Trichloroethene	8.51	130	168910	19.177	ug/l	97
45) 1,2-Dichloropropane	8.91	63	122431	20.401	ug/l	98
46) Dibromomethane	9.03	93	84793	20.992	ug/l	96
47) Bromodichloromethane	9.35	83	200236	22.086	ug/l	99
48) Methyl methacrylate	9.09	41	73051	22.557	ug/l	96
49) 1,4-Dioxane	9.05	88	15669	438.653	ug/l	93
51) 4-Methyl-2-Pentanone	10.27	43	413580	115.845	ug/l	99
52) Toluene	10.48	92	294828	20.419	ug/l	99
53) t-1,3-Dichloropropene	10.88	75	165059	20.039	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	198771	19.818	ug/l	94
55) 1,1,2-Trichloroethane	11.16	97	111332	22.048	ug/l	97
56) Ethyl methacrylate	11.02	69	126340	23.290	ug/l	97
57) 1,3-Dichloropropane	11.38	76	165414	22.287	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.83	63	290245	109.868	ug/l	99
59) 2-Hexanone	11.51	43	260840	100.841	ug/l	99
60) Dibromochloromethane	11.66	129	170324	21.880	ug/l	99
61) 1,2-Dibromoethane	11.78	107	124698	21.326	ug/l	97
64) Tetrachloroethene	11.23	164	140194	18.172	ug/l	97
65) Chlorobenzene	12.38	112	400214	19.922	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	152644	19.624	ug/l	98
67) Ethyl Benzene	12.51	91	591811	19.300	ug/l	97
68) m/p-Xylenes	12.65	106	412790	35.538	ug/l	91
69) o-Xylene	13.03	106	228884	20.306	ug/l	98
70) Styrene	13.06	104	414762	21.109	ug/l	98
71) Bromoform	13.22	173	95903	19.450	ug/l	96
73) Isopropylbenzene	13.38	105	606266	20.288	ug/l	96
74) N-amyl acetate	13.24	43	163531	19.644	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	127529	20.230	ug/l	93
76) 1,2,3-Trichloropropane	13.72	75	122815	19.801	ug/l	100
77) Bromobenzene	13.66	156	186828	21.088	ug/l	80
78) n-propylbenzene	13.76	91	676987	18.512	ug/l	97
79) 2-Chlorotoluene	13.83	91	360991	18.180	ug/l	99
80) 1,3,5-Trimethylbenzene	14.22	105	408888	16.289	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	36432	19.265	ug/l	91
82) 4-Chlorotoluene	13.93	91	466241	21.594	ug/l	97
83) tert-Butylbenzene	14.18	119	541365	18.683	ug/l	90
84) 1,2,4-Trimethylbenzene	14.22	105	408888	16.289	ug/l	99
85) sec-Butylbenzene	14.36	105	599622	19.479	ug/l	97
86) p-Isopropyltoluene	14.48	119	542107	20.826	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	289117	19.272	ug/l	94
88) 1,4-Dichlorobenzene	14.52	146	299125	20.446	ug/l	97
89) n-Butylbenzene	14.78	91	442077	18.504	ug/l	97
90) Hexachloroethane	15.00	117	137137	18.649	ug/l	92
91) 1,2-Dichlorobenzene	14.80	146	249730	20.294	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	15067	20.378	ug/l #	52

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032719\NOT REVIEWED DATA\VD032719\
Data File : VD061369.D
Acq On : 28 Mar 2019 00:51
Operator : VA/AP
Sample : VD0327SBS02
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS02

Quant Time: Mar 28 04:06:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 02:13:53 2019
Response via : Initial Calibration

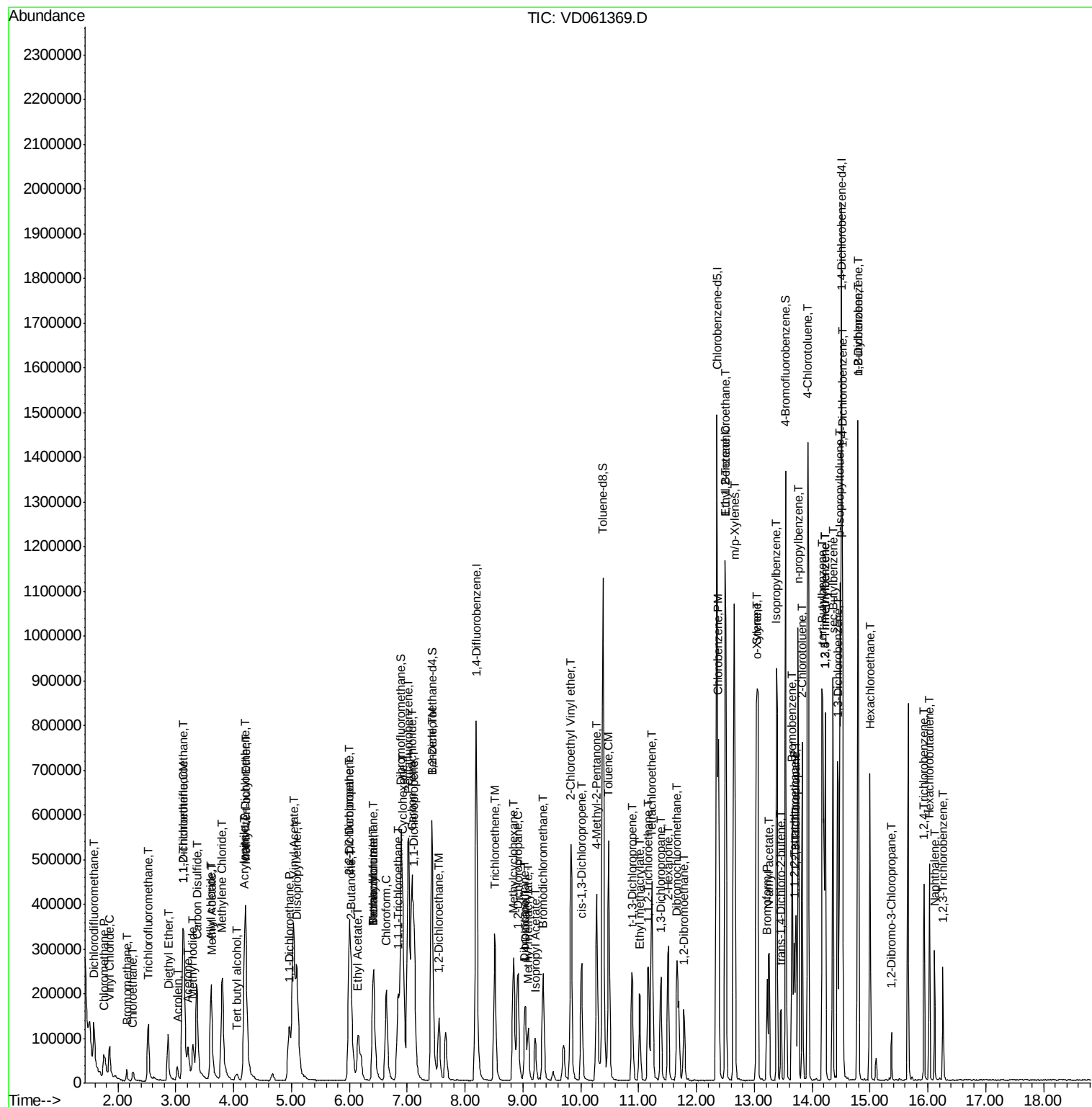
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	111937	19.969	ug/l	98
94) Hexachlorobutadiene	16.03	225	82488	18.831	ug/l	96
95) Naphthalene	16.11	128	180775	21.157	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	61901	25.094	ug/l	98

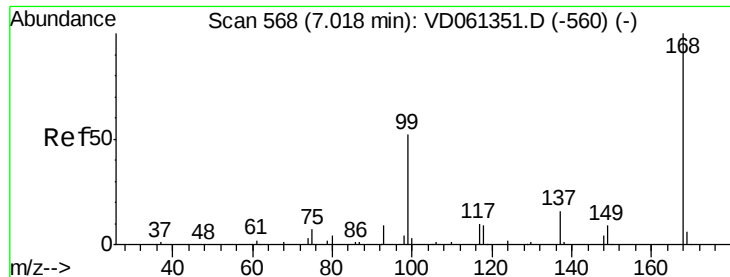
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032719\NOT REVIEWED DATA\VD032719\
 Data File : VD061369.D
 Acq On : 28 Mar 2019 00:51
 Operator : VA/AP
 Sample : VD0327SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0327SBS02

Quant Time: Mar 28 04:06:02 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 02:13:53 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

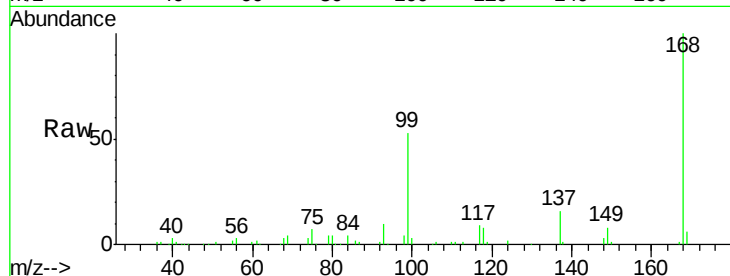
VD0327SBS02

Tot Ion:168 Resp: 600707

Ion Ratio Lower Upper

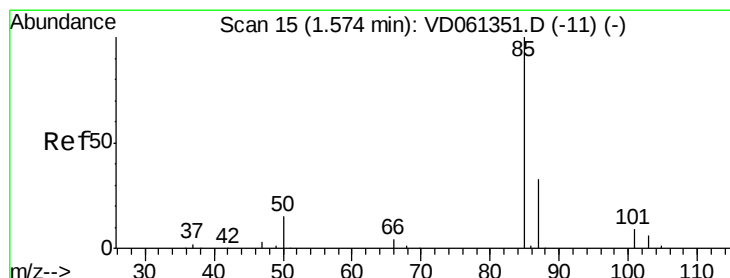
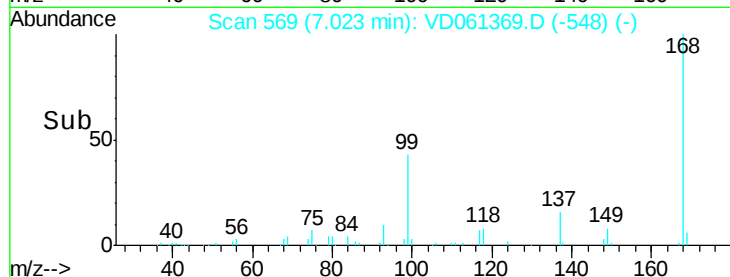
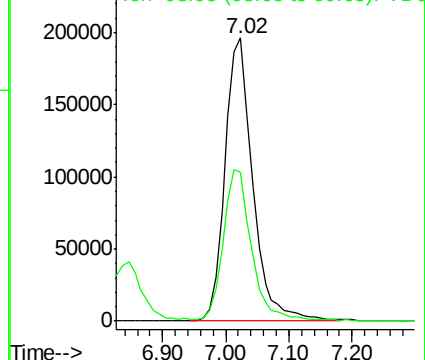
168 100

99 52.8 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: 19.942 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061369.D

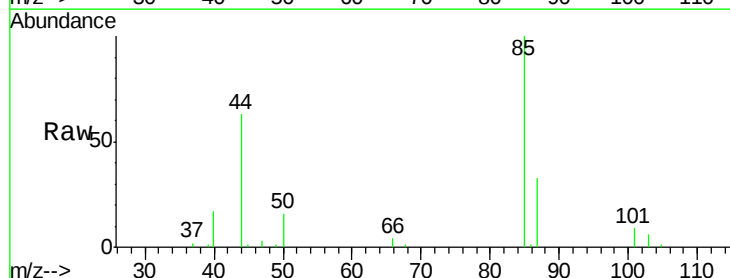
Acq: 28 Mar 2019 00:51

Tgt Ion: 85 Resp: 127931

Ion Ratio Lower Upper

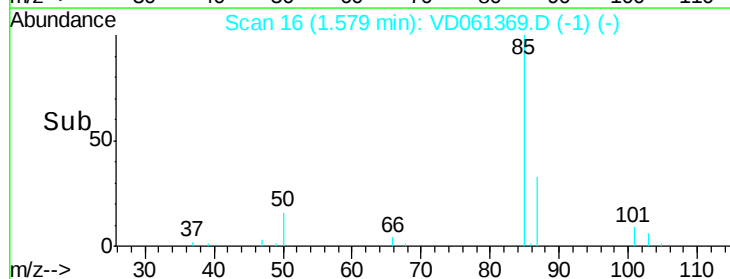
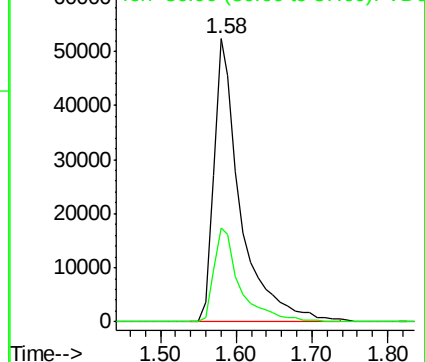
85 100

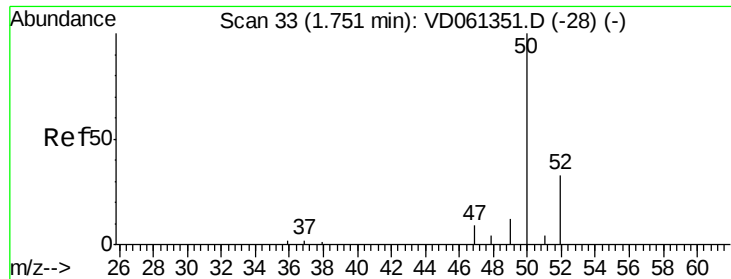
87 33.3 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

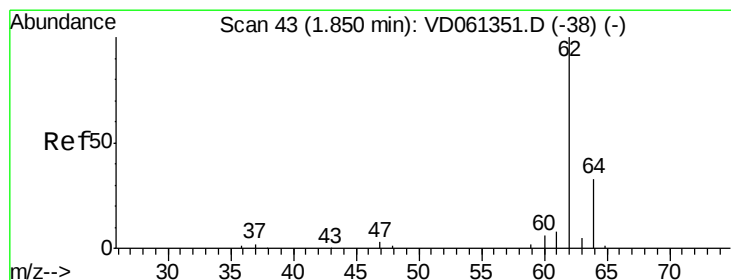
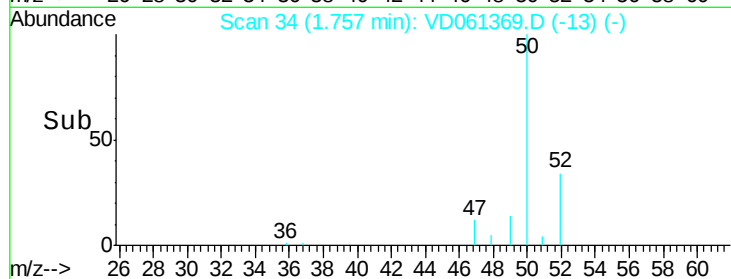
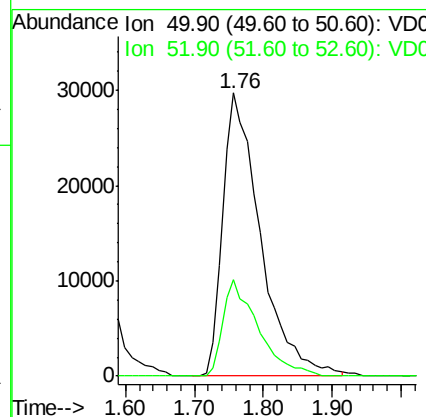
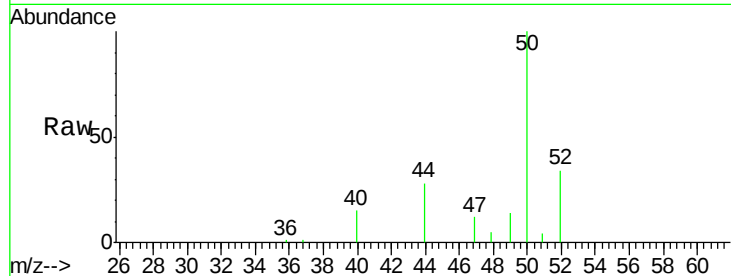




#3
 Chloromethane
 Concen: 21.435 ug/l
 RT: 1.76 min Scan# 34
 Delta R.T. 0.01 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

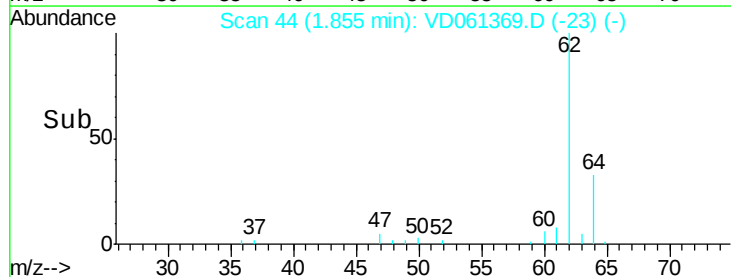
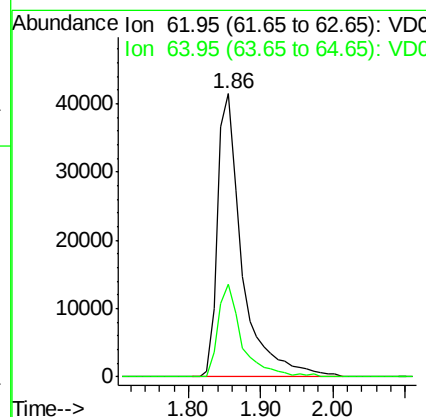
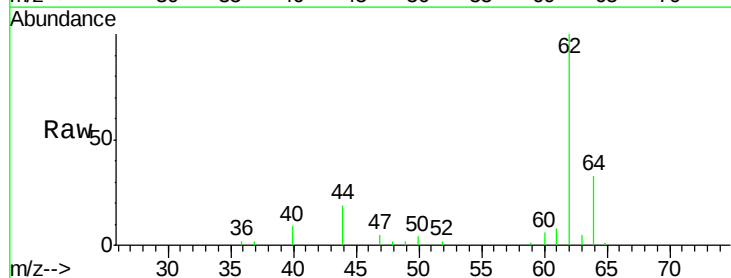
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS02

Tot Ion: 50 Resp: 112151
 Ion Ratio Lower Upper
 50 100
 52 33.9 26.1 39.1



#4
 Vinyl Chloride
 Concen: 20.123 ug/l
 RT: 1.86 min Scan# 44
 Delta R.T. 0.01 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

Tgt Ion: 62 Resp: 96668
 Ion Ratio Lower Upper
 62 100
 64 32.5 26.6 39.8

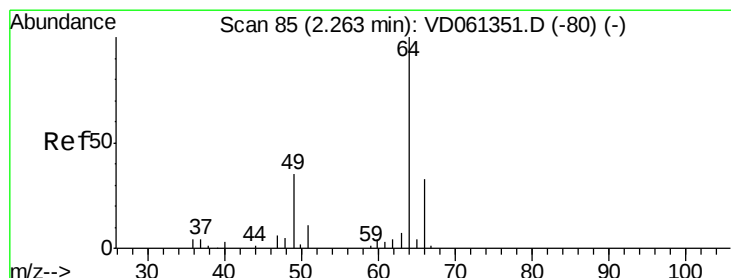
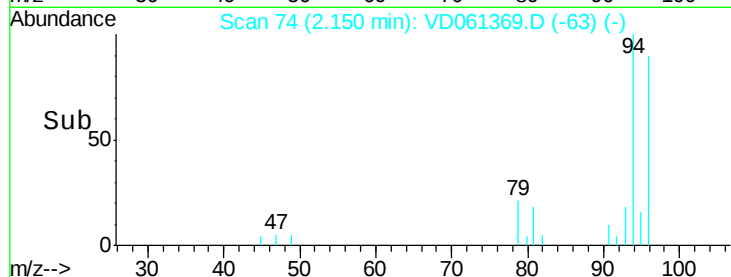
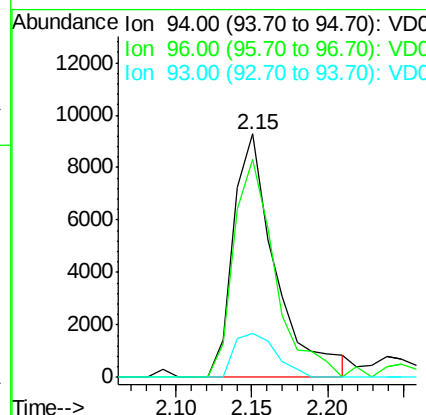
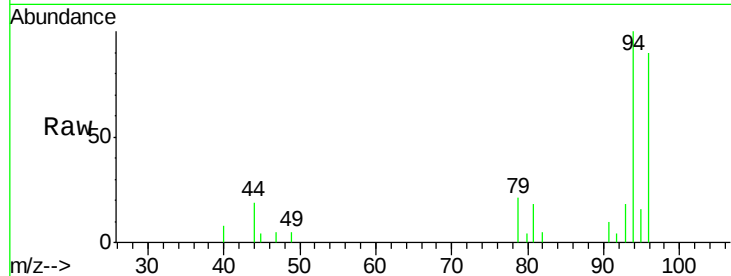




#5
Bromomethane
Concen: 18.820 ug/l
RT: 2.15 min Scan# 74
Delta R.T. 0.01 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

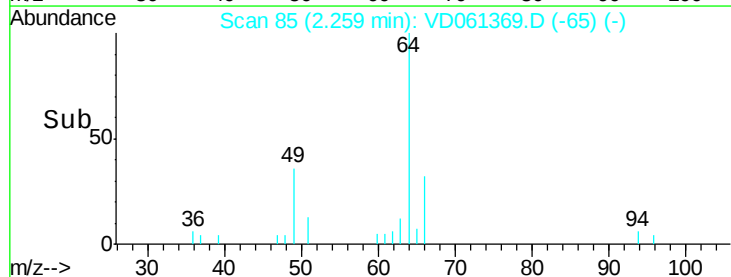
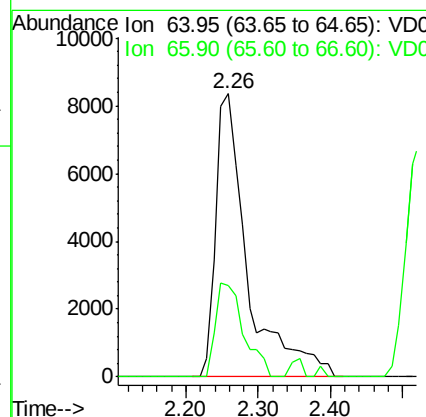
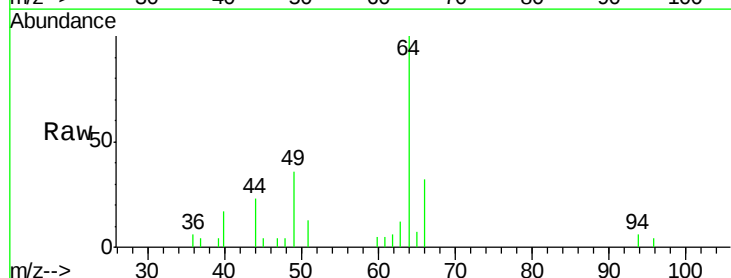
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS02

Tot Ion: 94 Resp: 17928
Ion Ratio Lower Upper
94 100
96 89.6 78.3 117.5
93 18.2 15.6 23.4



#6
Chloroethane
Concen: 18.021 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.00 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Tgt Ion: 64 Resp: 25387
Ion Ratio Lower Upper
64 100
66 32.5 26.2 39.2



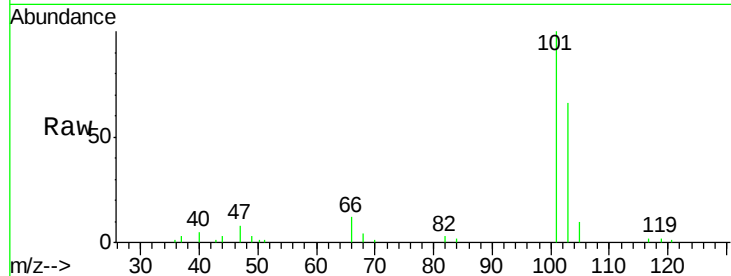


#7

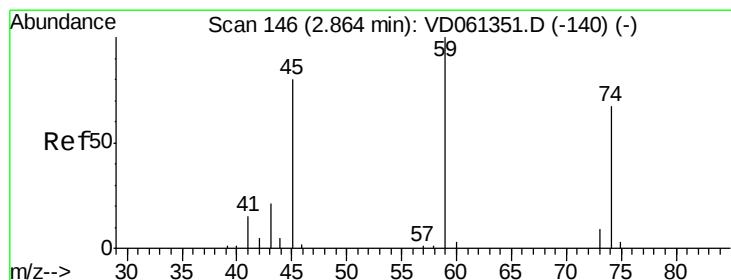
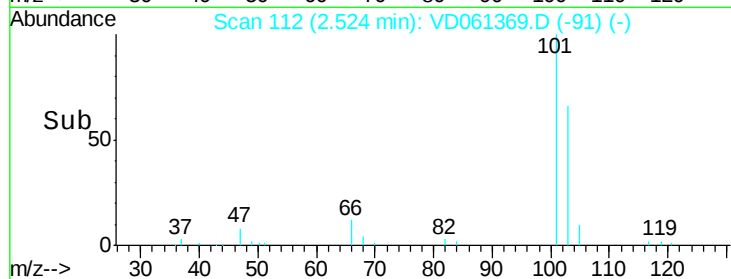
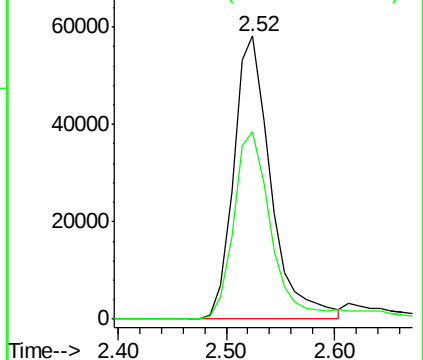
Trichlorofluoromethane
Concen: 19.838 ug/l
RT: 2.52 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS02

Tot Ion:101 Resp: 138583
Ion Ratio Lower Upper
101 100
103 66.2 53.1 79.7



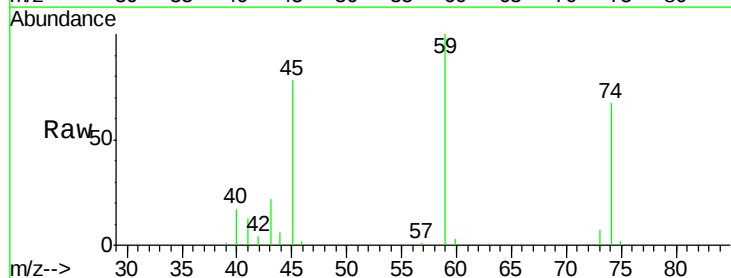
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



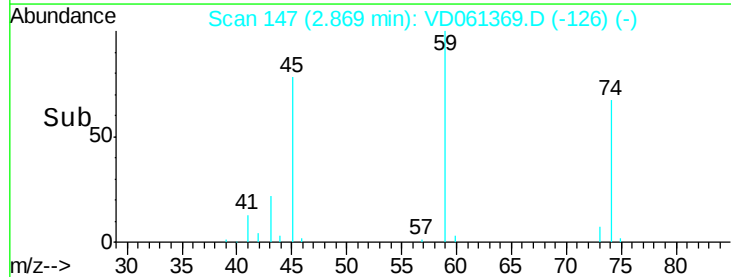
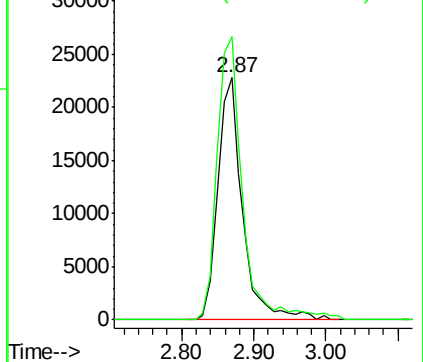
#8

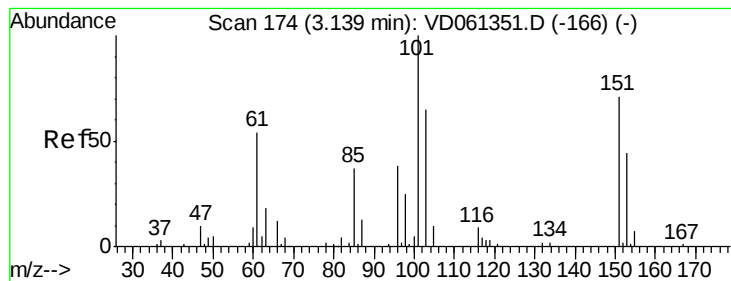
Diethyl Ether
Concen: 23.736 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Tgt Ion: 74 Resp: 53385
Ion Ratio Lower Upper
74 100
45 117.0 59.7 179.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.789 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

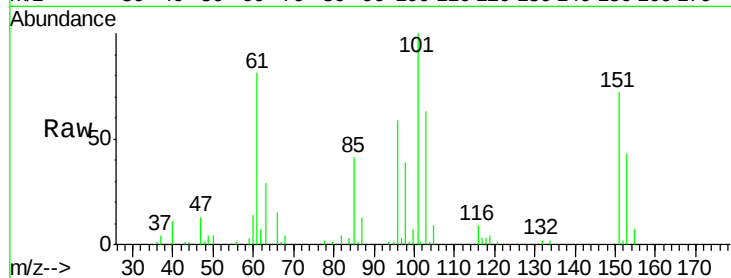
Tot Ion:101 Resp: 156124

Ion Ratio Lower Upper

101 100

85 40.8 29.4 44.0

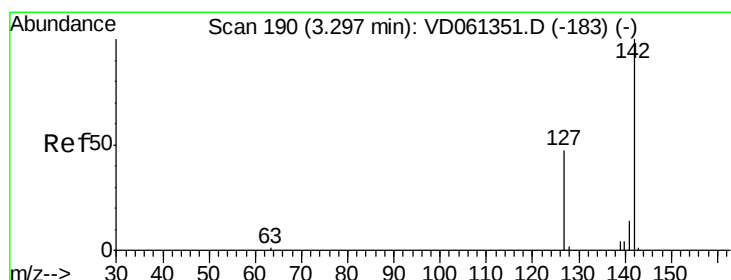
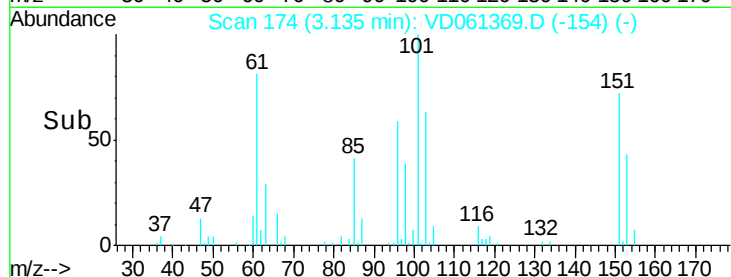
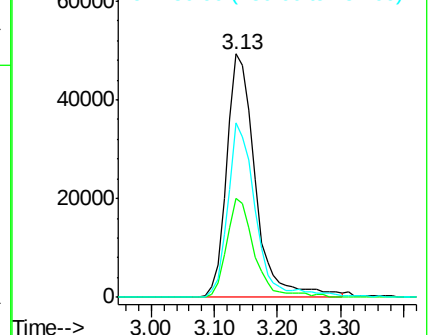
151 71.7 57.0 85.4



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: 17.051 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

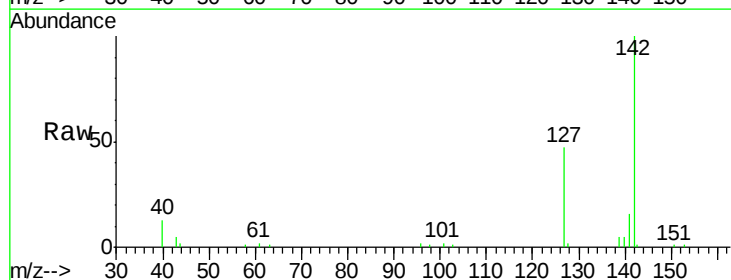
Tgt Ion:142 Resp: 166658

Ion Ratio Lower Upper

142 100

127 47.1 37.7 56.5

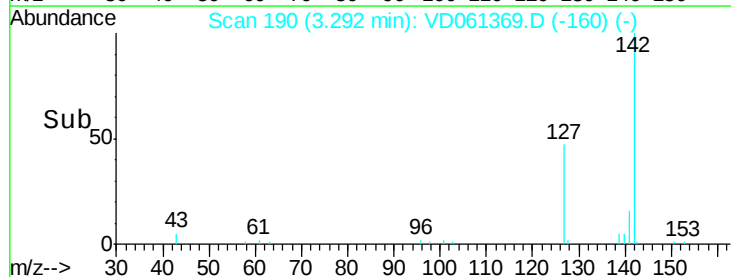
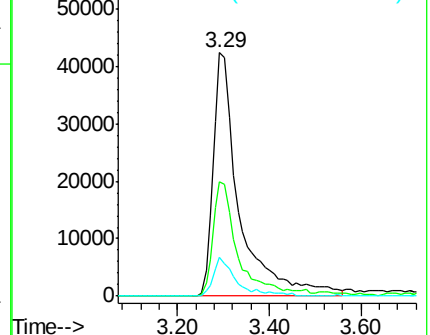
141 15.8 11.5 17.3

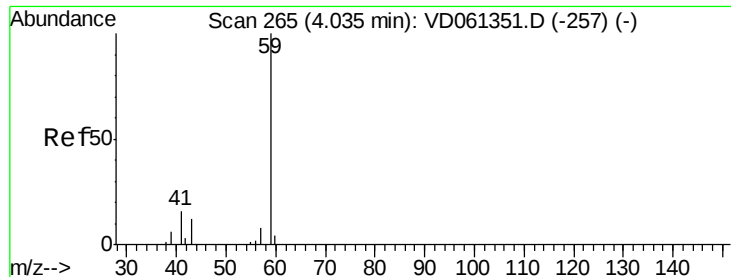


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



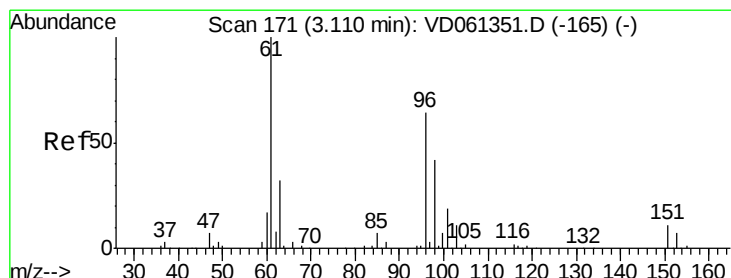
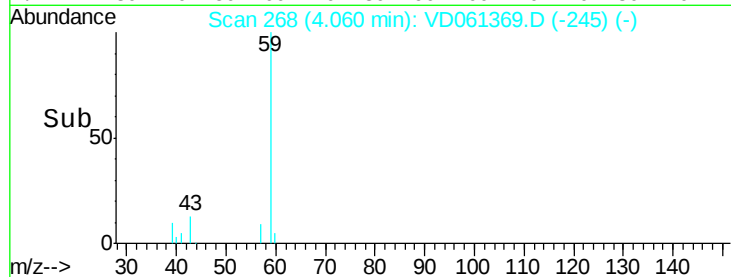
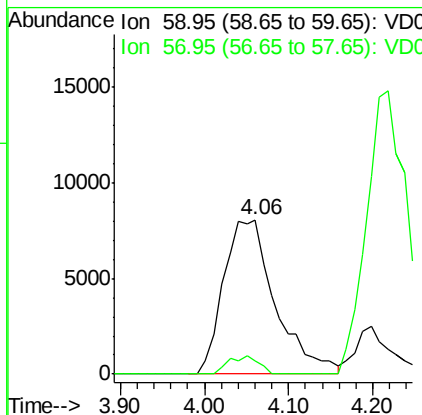
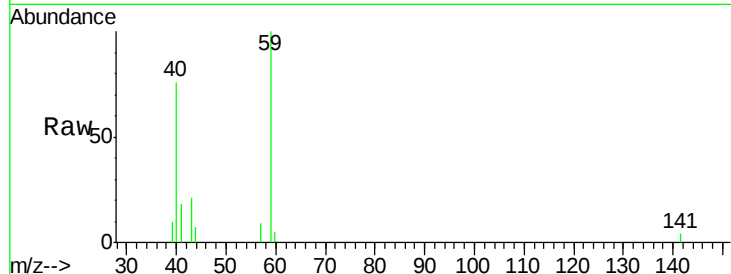


#11

Tert butyl alcohol
Concen: 108.185 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.03 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS02

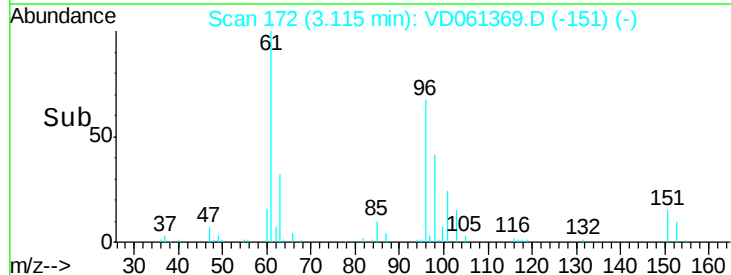
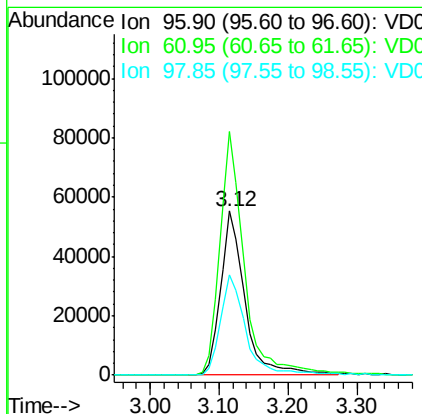
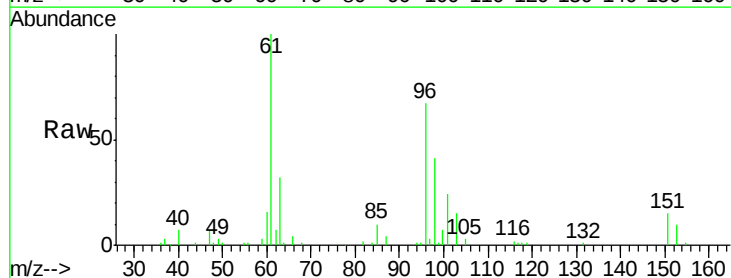
Tot Ion: 59 Resp: 34573
Ion Ratio Lower Upper
59 100
57 8.5 6.7 10.1

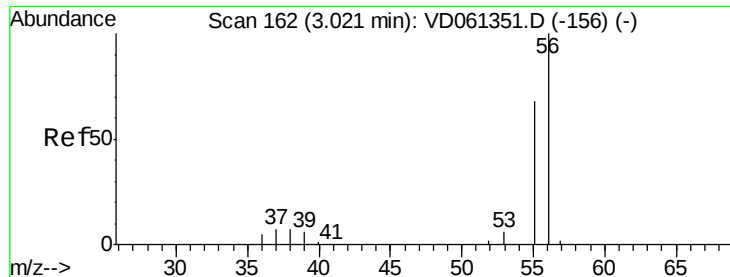


#12

1,1-Dichloroethene
Concen: 21.026 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Tgt Ion: 96 Resp: 135573
Ion Ratio Lower Upper
96 100
61 148.6 124.9 187.3
98 61.6 52.5 78.7





#13

Acrolein

Concen: 119.654 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

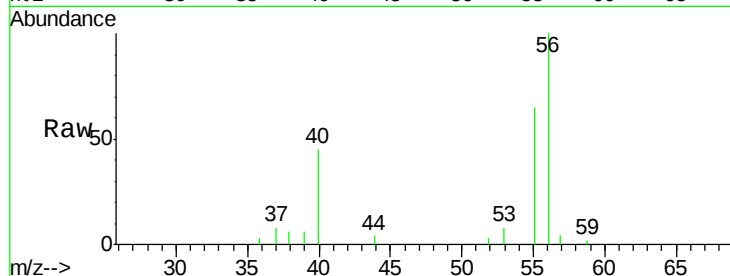
VD0327SBS02

Tot Ion: 56 Resp: 32043

Ion Ratio Lower Upper

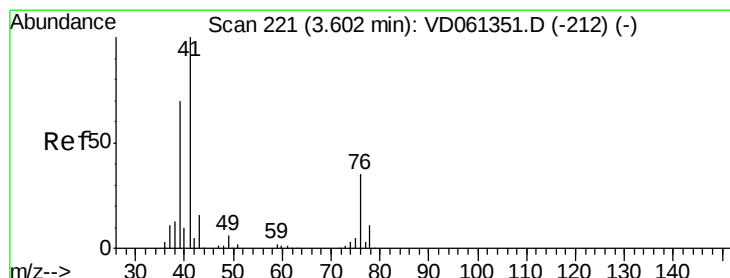
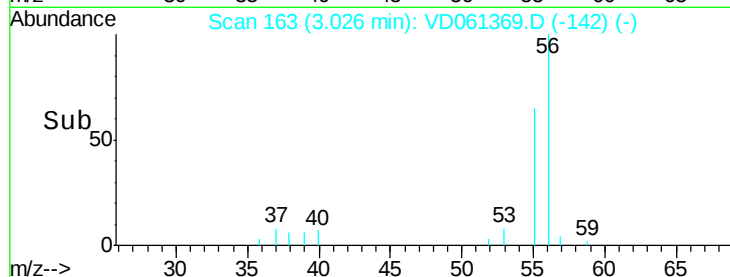
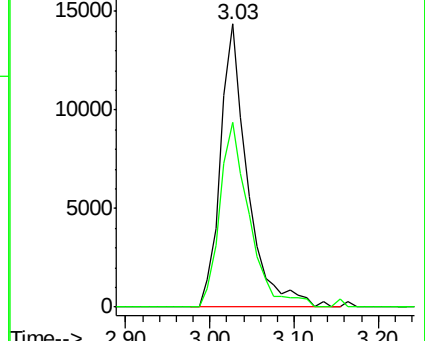
56 100

55 65.3 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: 20.798 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

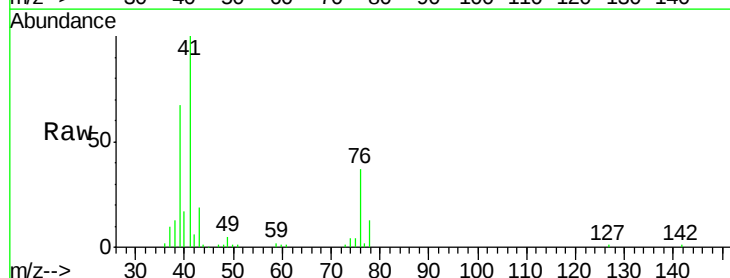
Tgt Ion: 41 Resp: 187040

Ion Ratio Lower Upper

41 100

39 67.0 55.6 83.4

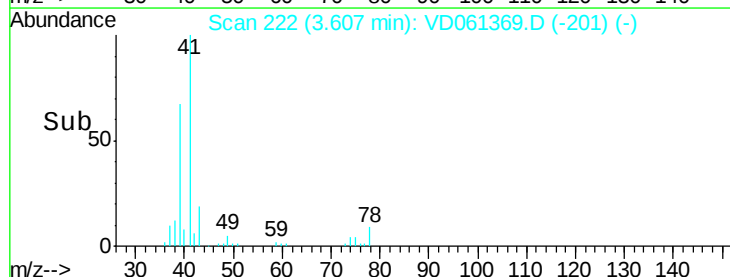
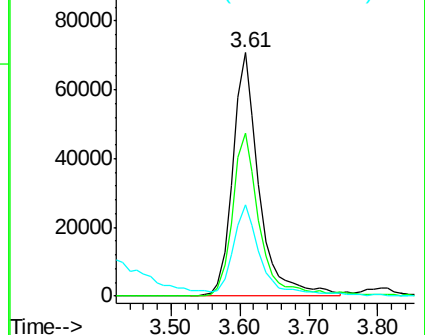
76 37.5 31.0 46.6

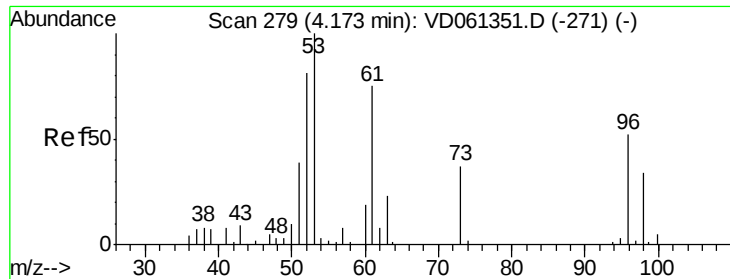


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 117.497 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

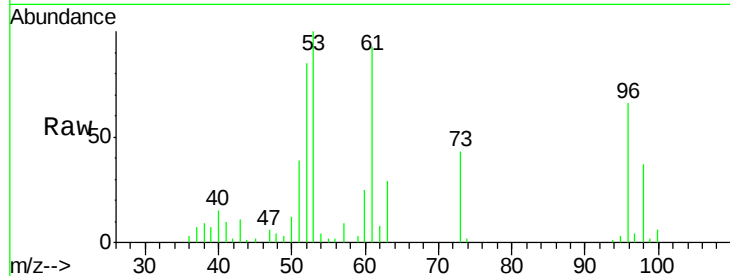
Tot Ion: 53 Resp: 130324

Ion Ratio Lower Upper

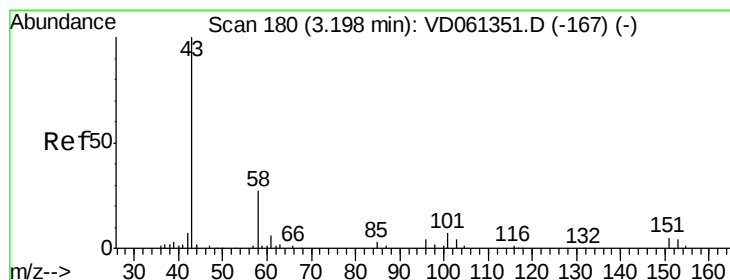
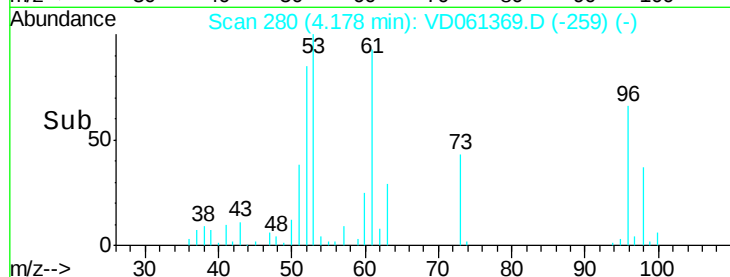
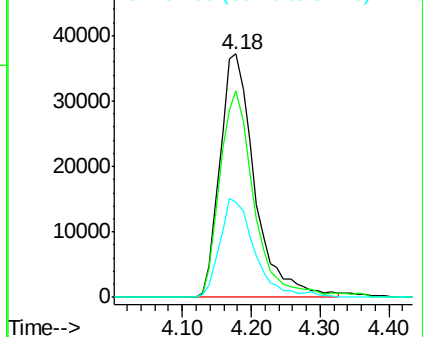
53 100

52 84.6 64.8 97.2

51 39.0 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: 95.542 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061369.D

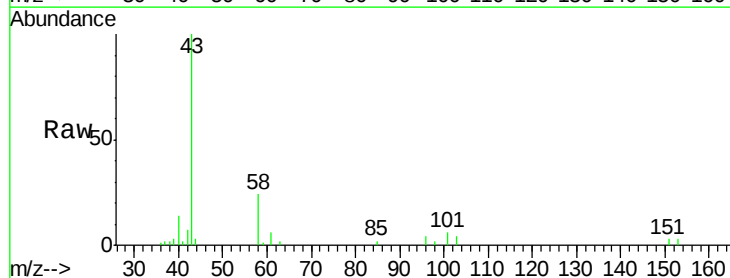
Acq: 28 Mar 2019 00:51

Tgt Ion: 43 Resp: 126032

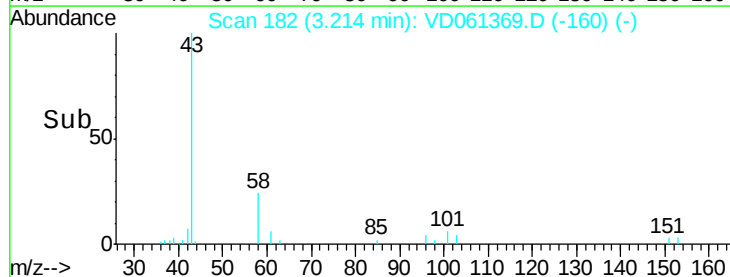
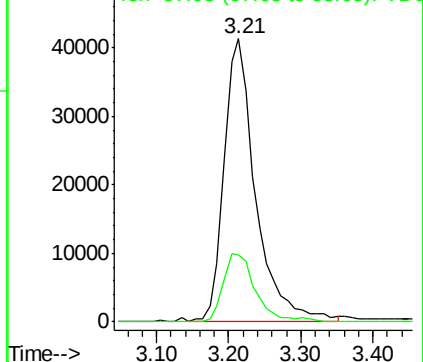
Ion Ratio Lower Upper

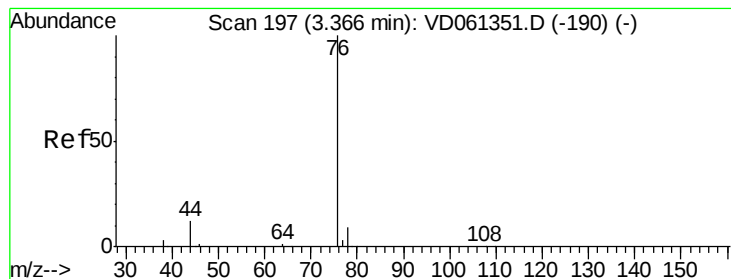
43 100

58 23.9 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: 19.911 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

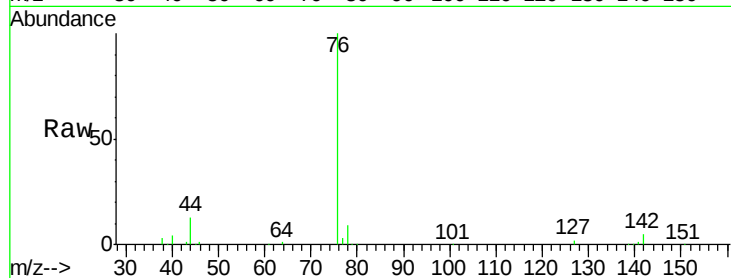
VD0327SBS02

Tot Ion: 76 Resp: 417125

Ion Ratio Lower Upper

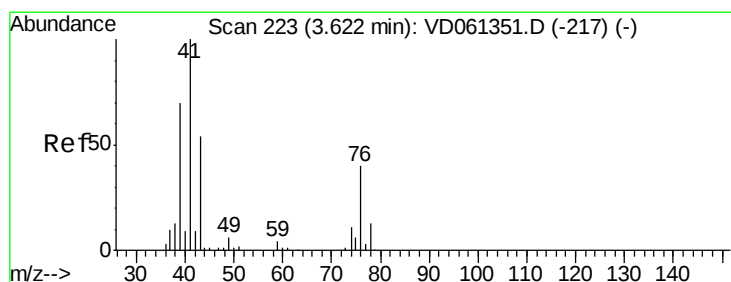
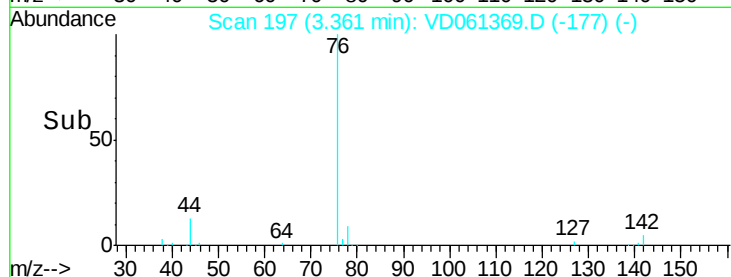
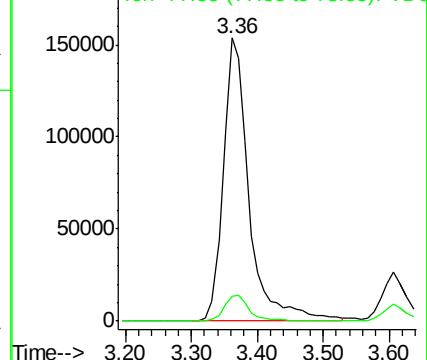
76 100

78 8.9 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: 24.564 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD061369.D

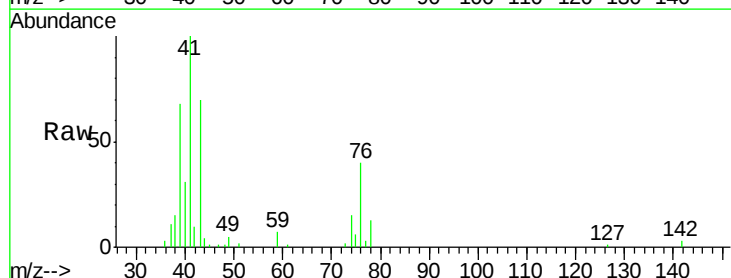
Acq: 28 Mar 2019 00:51

Tgt Ion: 43 Resp: 68129

Ion Ratio Lower Upper

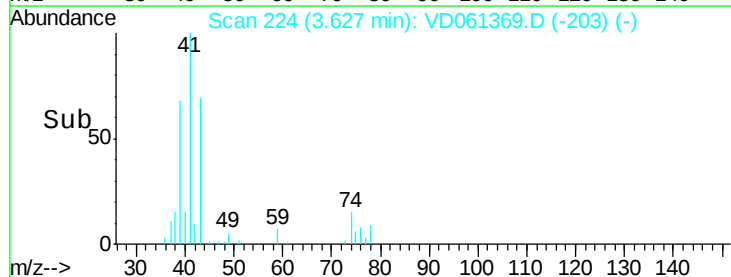
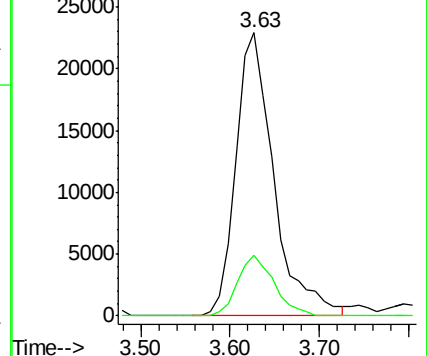
43 100

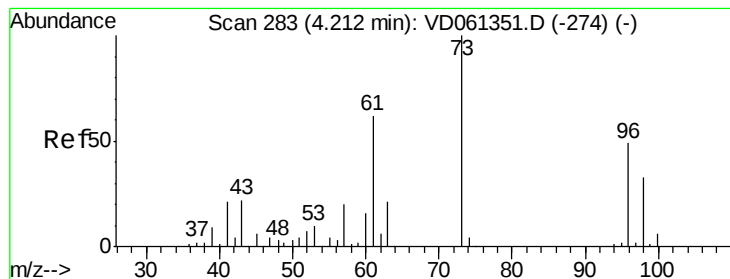
74 21.3 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



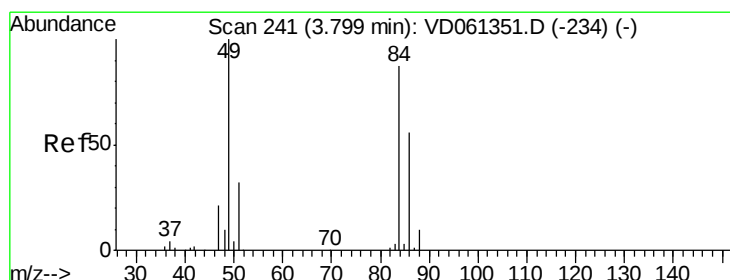
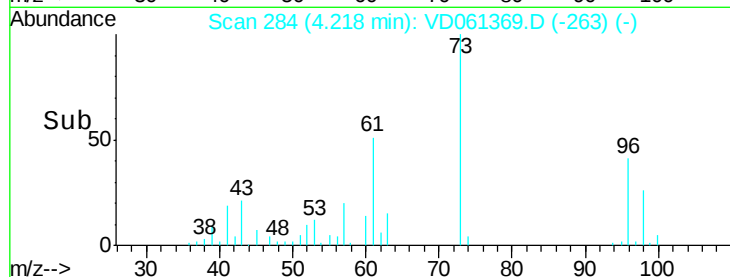
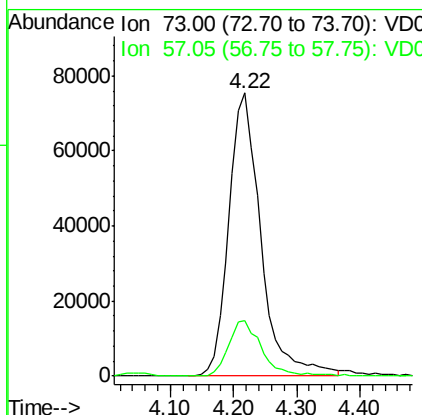
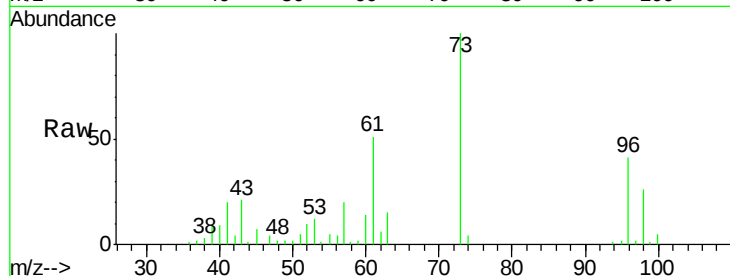


#19

Methyl tert-butyl Ether
 Concen: 23.787 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. 0.01 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0327SBS02

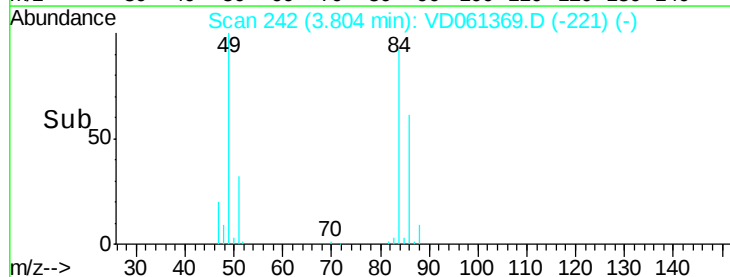
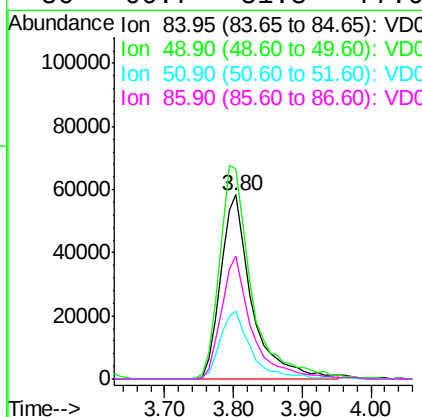
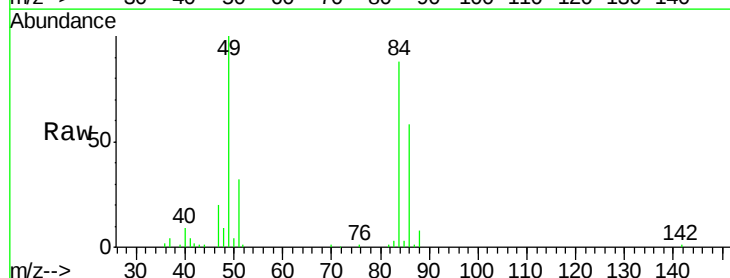
Tot Ion: 73 Resp: 265489
 Ion Ratio Lower Upper
 73 100
 57 19.6 16.4 24.6

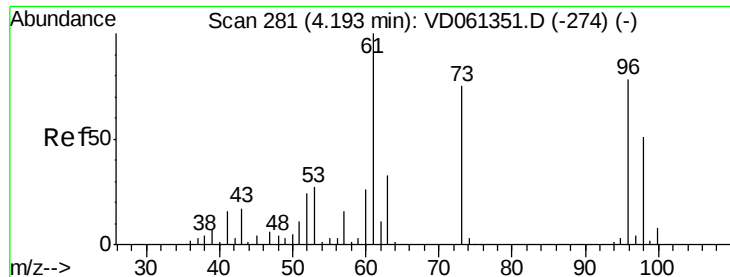


#20

Methylene Chloride
 Concen: 23.719 ug/l
 RT: 3.80 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

Tgt Ion: 84 Resp: 182732
 Ion Ratio Lower Upper
 84 100
 49 114.2 91.8 137.8
 51 37.0 29.8 44.8
 86 66.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.850 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

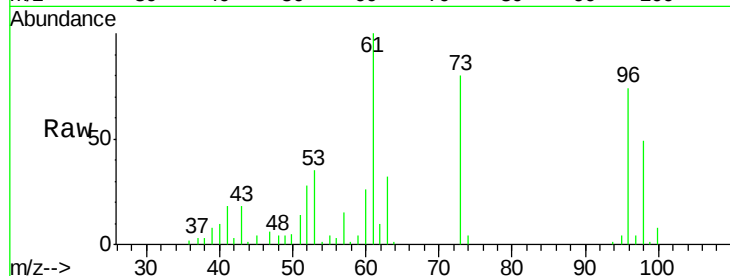
Tot Ion: 96 Resp: 152107

Ion Ratio Lower Upper

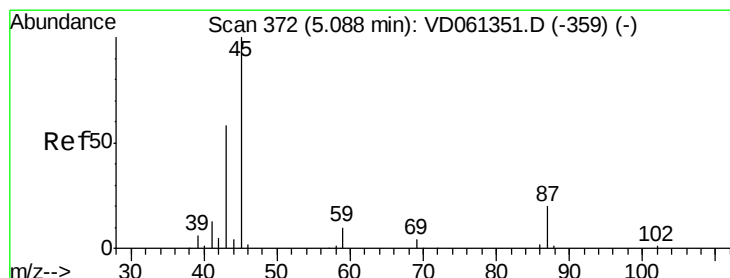
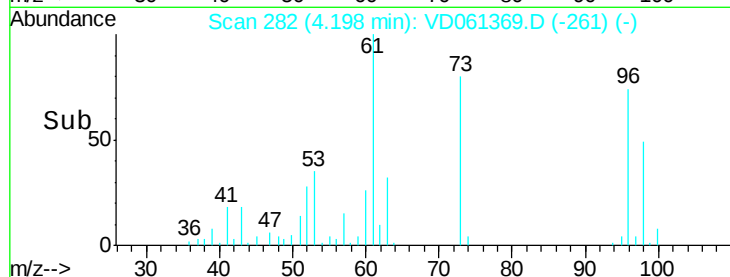
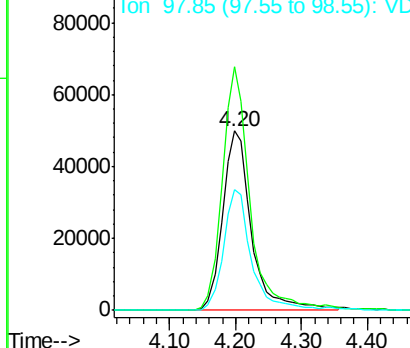
96 100

61 136.0 102.7 154.1

98 67.1 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: 22.957 ug/l

RT: 5.09 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Tgt Ion: 45 Resp: 436899

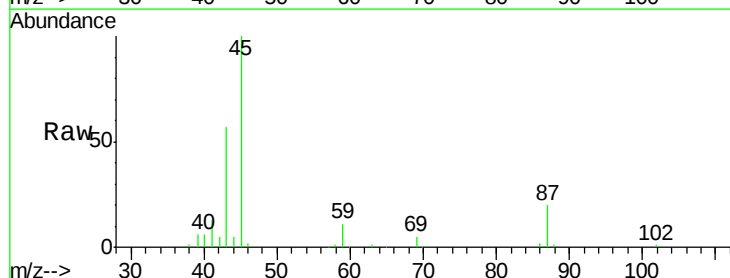
Ion Ratio Lower Upper

45 100

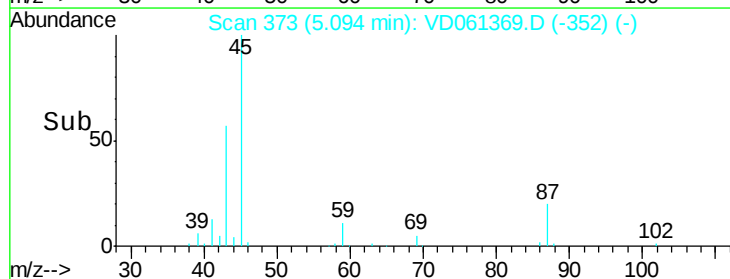
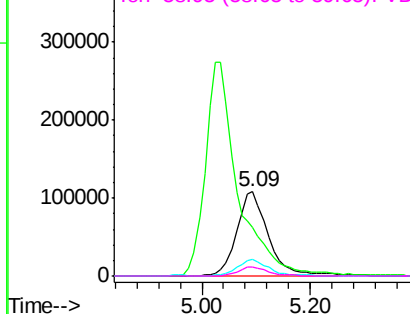
43 57.2 47.4 71.2

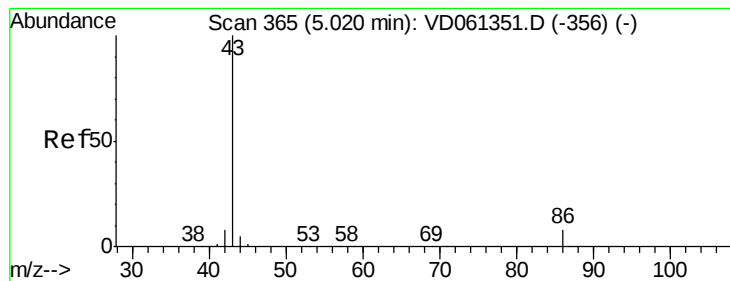
87 19.8 16.3 24.5

59 10.5 8.4 12.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 109.282 ug/l

RT: 5.02 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

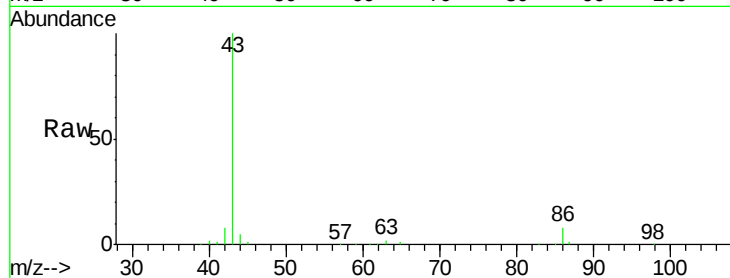
VD0327SBS02

Tot Ion: 43 Resp: 1129700

Ion Ratio Lower Upper

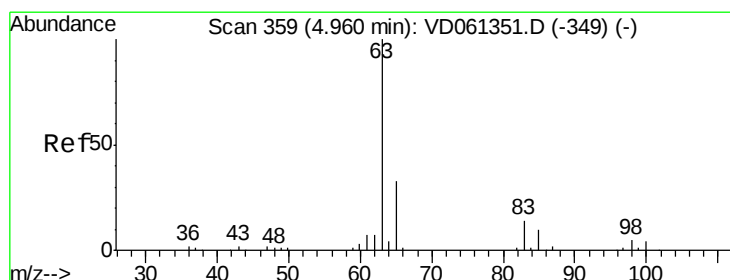
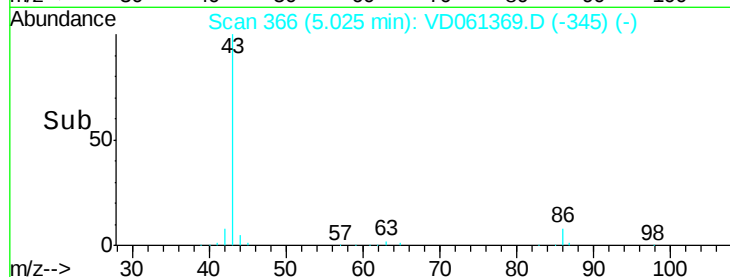
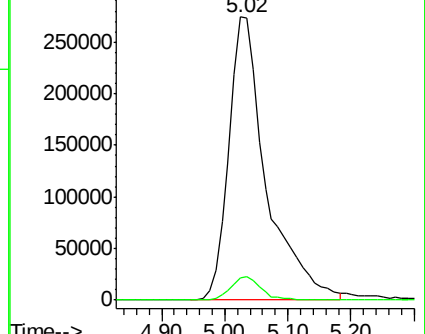
43 100

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: 20.996 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

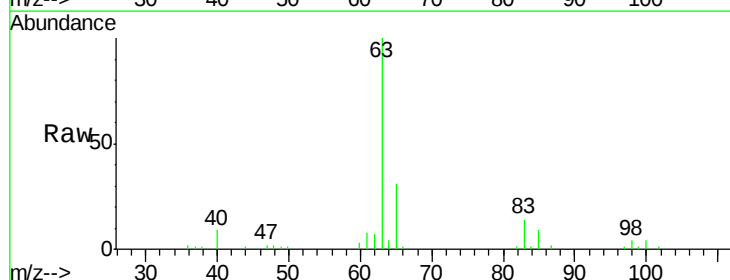
Tgt Ion: 63 Resp: 234820

Ion Ratio Lower Upper

63 100

98 4.4 2.6 8.0

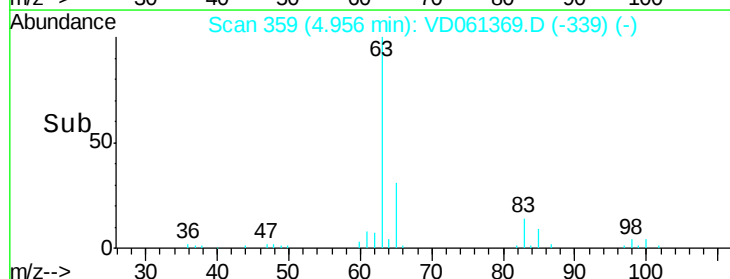
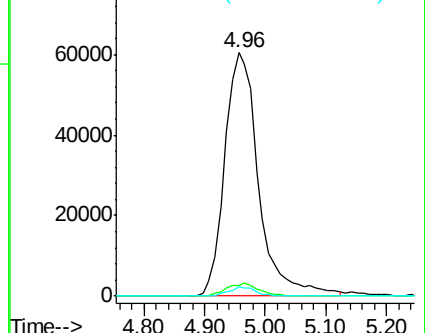
100 3.7 1.8 5.3

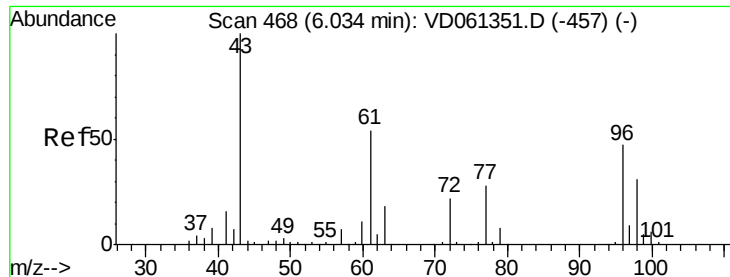


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 101.942 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

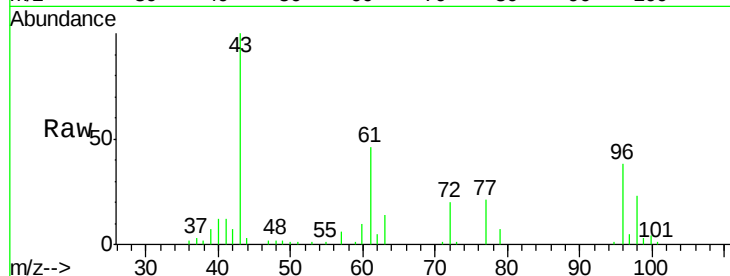
VD0327SBS02

Tot Ion: 43 Resp: 169158

Ion Ratio Lower Upper

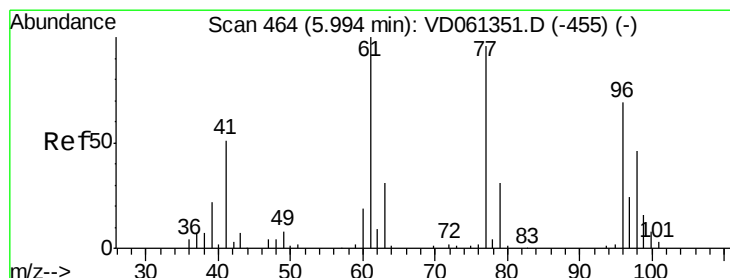
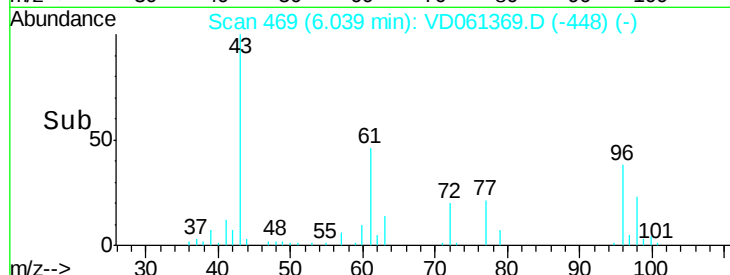
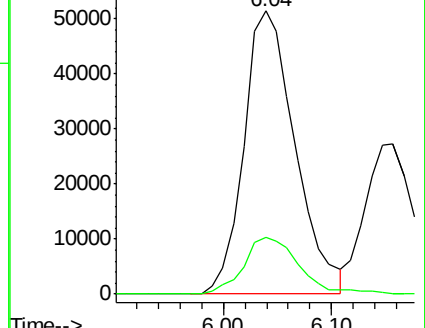
43 100

72 20.1 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: 19.523 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD061369.D

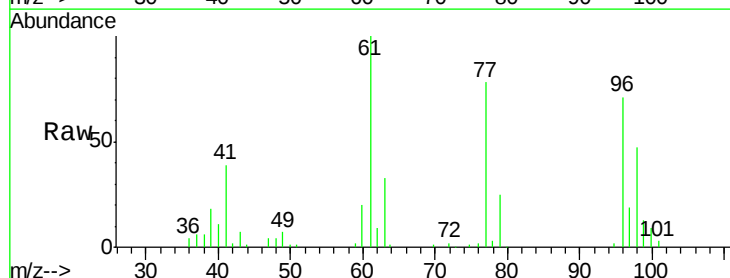
Acq: 28 Mar 2019 00:51

Tgt Ion: 77 Resp: 173579

Ion Ratio Lower Upper

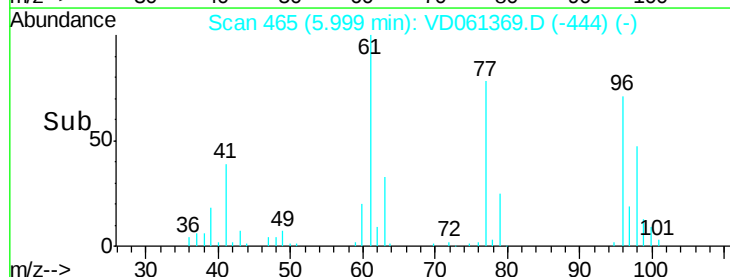
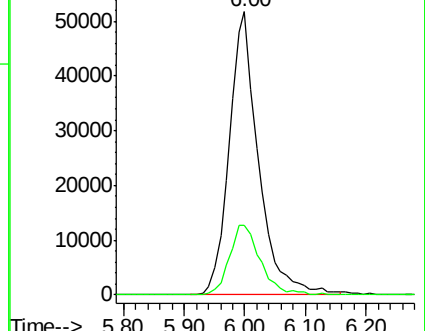
77 100

97 24.7 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



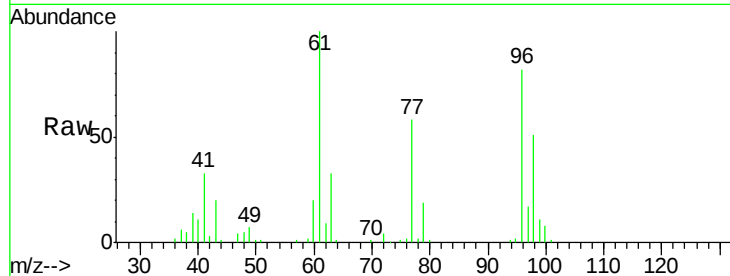


#27

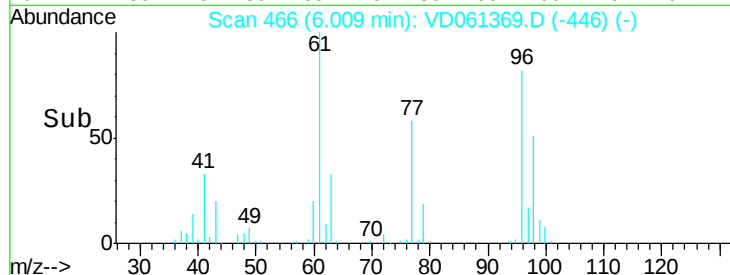
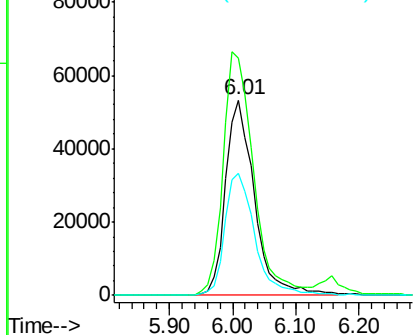
cis-1,2-Dichloroethene
 Concen: 22.164 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS02

Tot Ion: 96 Resp: 169042
 Ion Ratio Lower Upper
 96 100
 61 121.5 0.0 251.6
 98 62.5 0.0 129.2



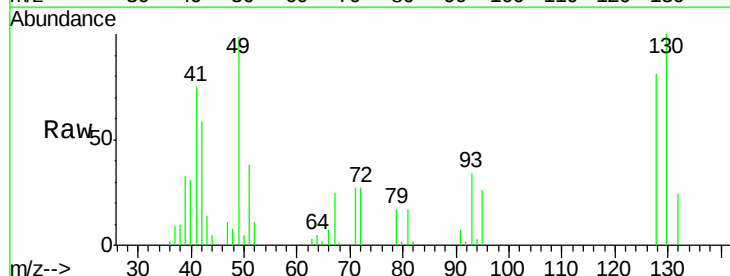
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



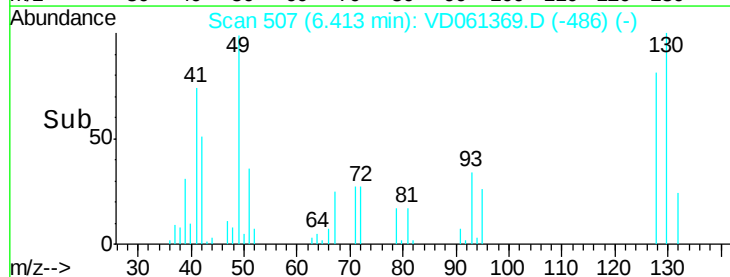
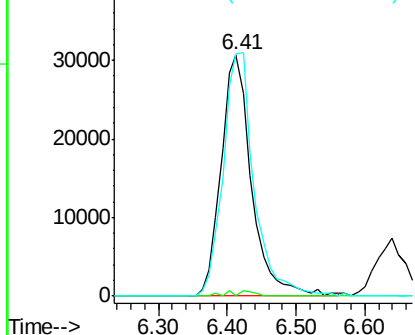
#28

Bromochloromethane
 Concen: 20.774 ug/l
 RT: 6.41 min Scan# 507
 Delta R.T. 0.01 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

Tgt Ion: 49 Resp: 93788
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 100.7 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

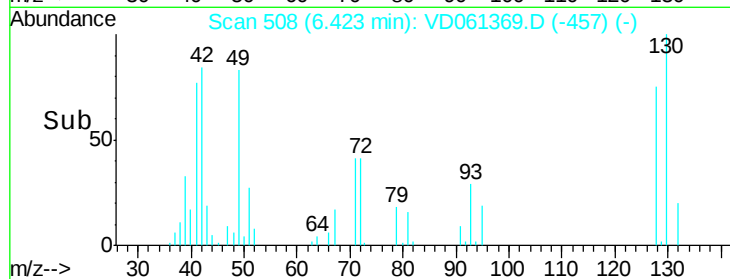
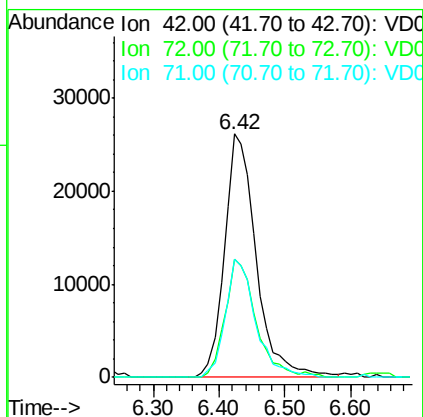
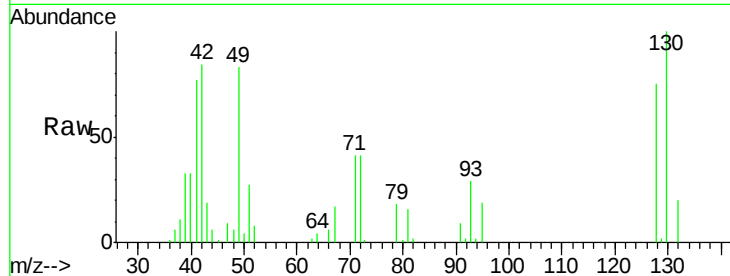




#29
Tetrahydrofuran
Concen: 109.298 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

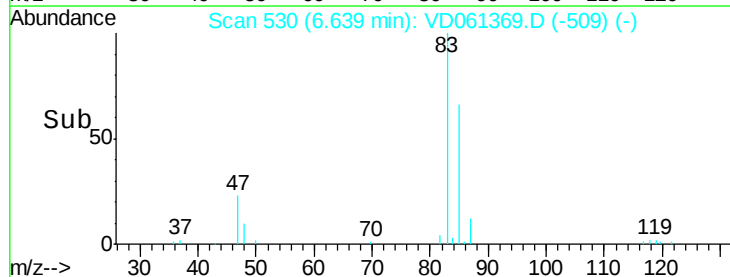
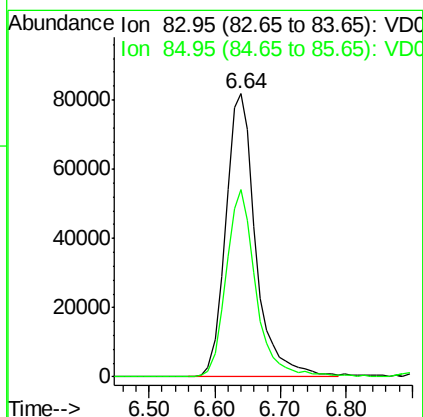
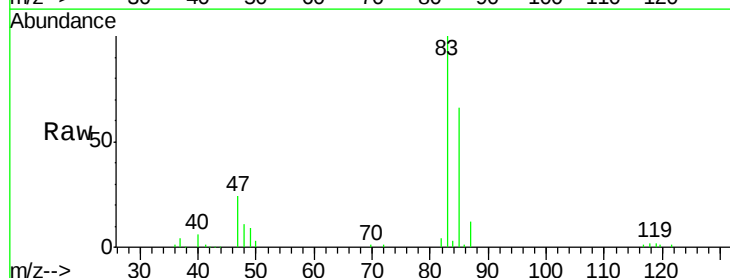
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS02

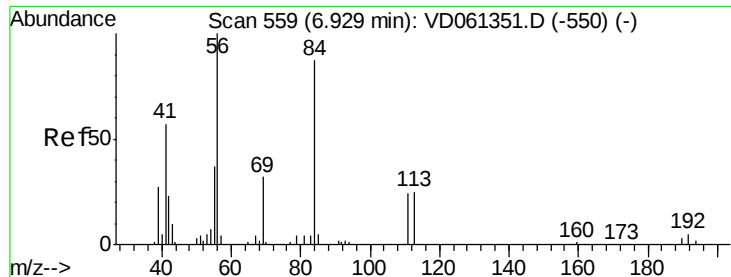
Tot Ion: 42 Resp: 87906
Ion Ratio Lower Upper
42 100
72 47.8 37.4 56.0
71 46.5 36.7 55.1



#30
Chloroform
Concen: 22.606 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Tgt Ion: 83 Resp: 261250
Ion Ratio Lower Upper
83 100
85 66.2 53.0 79.4





#31

Cyclohexane

Concen: 19.135 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

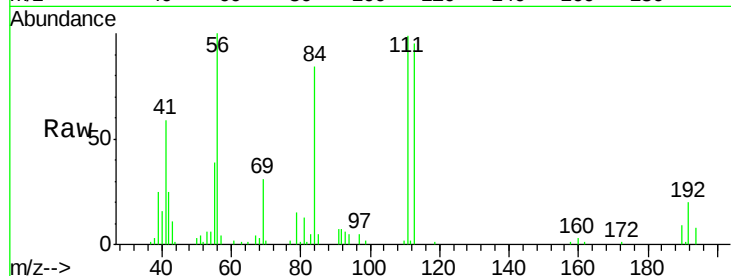
Tot Ion: 56 Resp: 169121

Ion Ratio Lower Upper

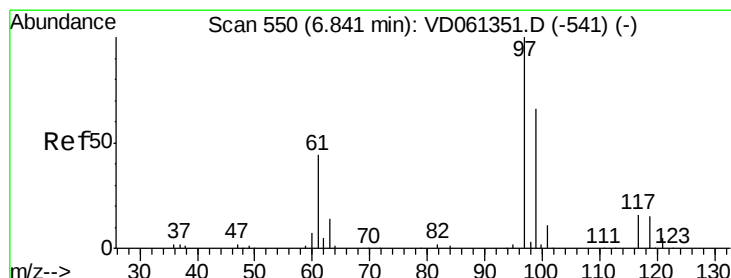
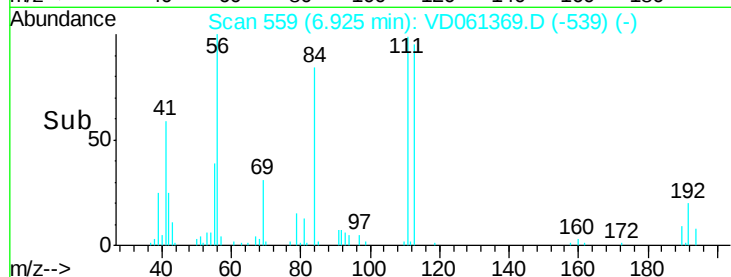
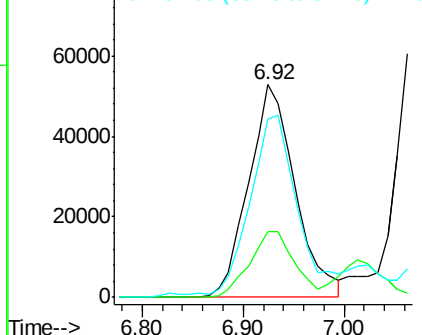
56 100

69 31.0 25.7 38.5

84 84.0 70.6 105.8



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



#32

1,1,1-Trichloroethane

Concen: 21.226 ug/l

RT: 6.84 min Scan# 550

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

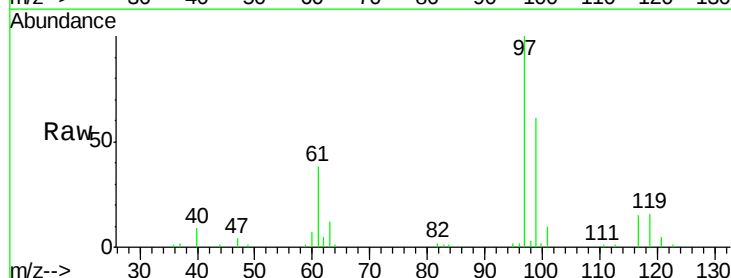
Tgt Ion: 97 Resp: 216407

Ion Ratio Lower Upper

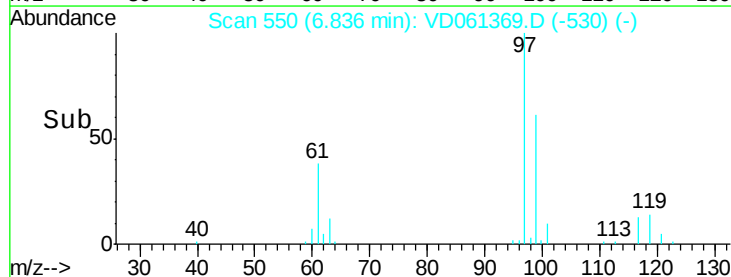
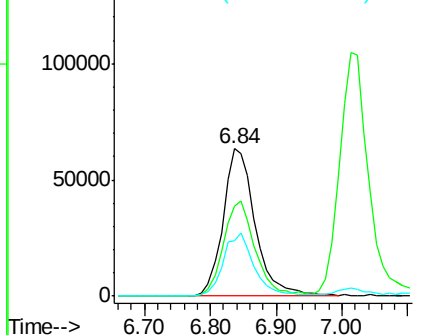
97 100

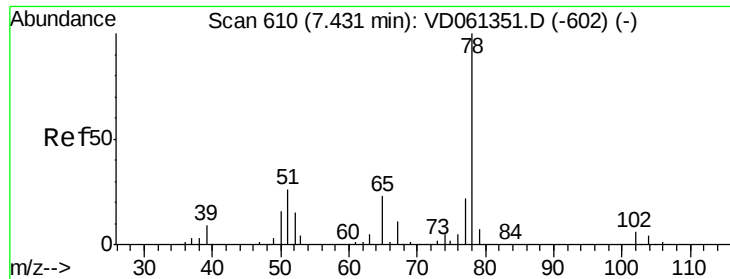
99 61.4 53.1 79.7

61 37.8 35.5 53.3



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

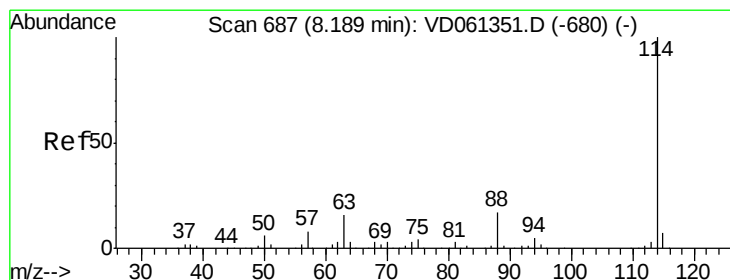
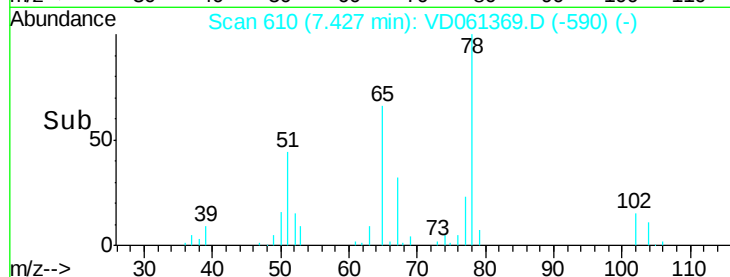
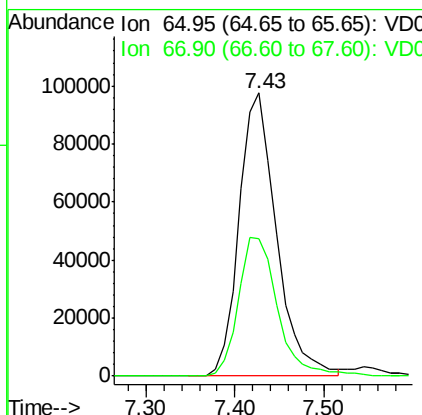
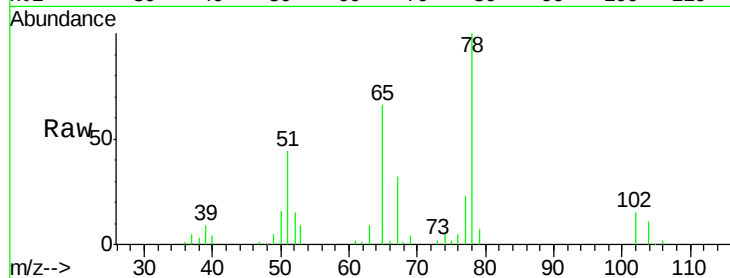




#33
 1,2-Dichloroethane-d4
 Concen: 21.226 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

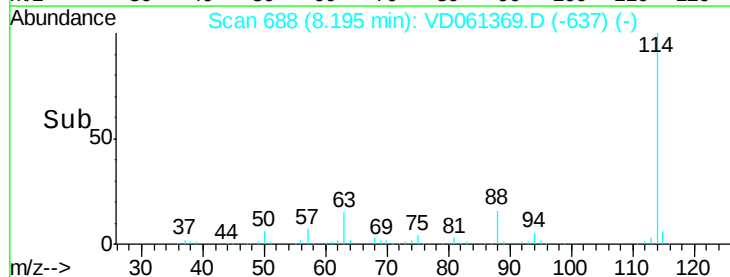
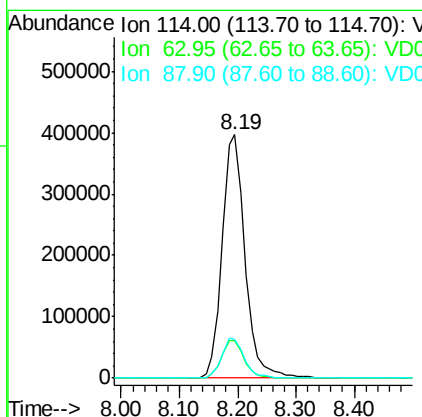
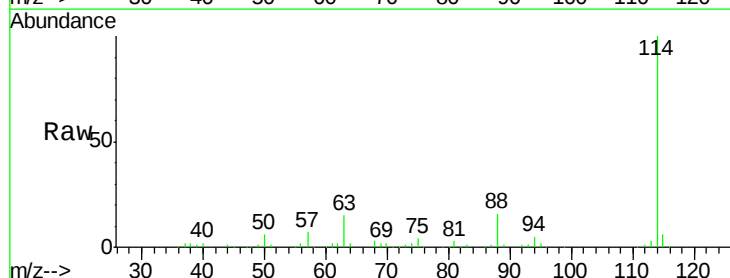
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS02

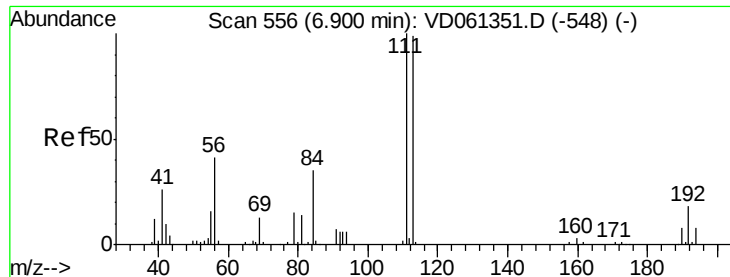
Tot Ion: 65 Resp: 283772
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

Tgt Ion: 114 Resp: 1080494
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 31.6
 88 16.0 0.0 33.4

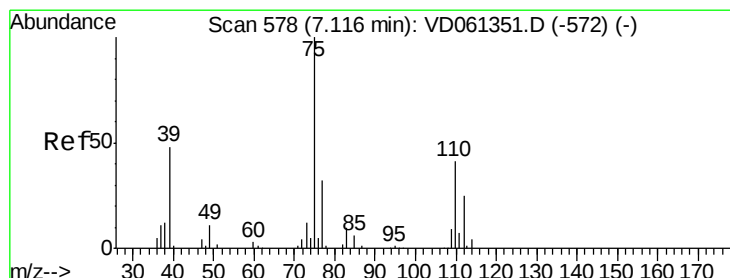
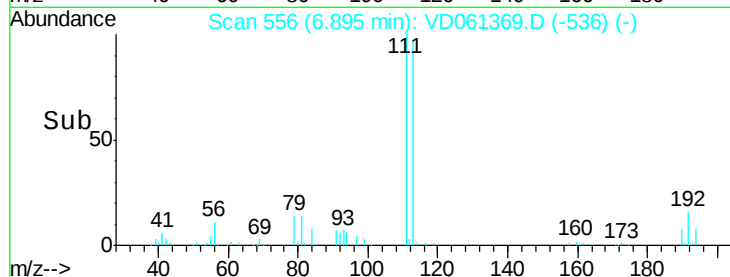
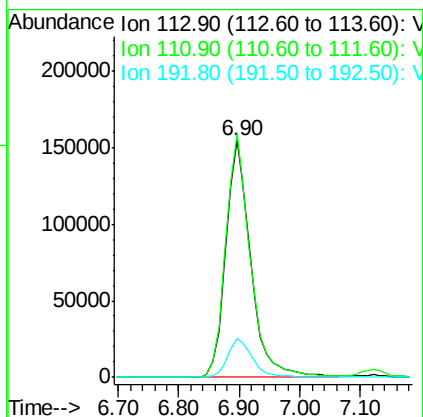
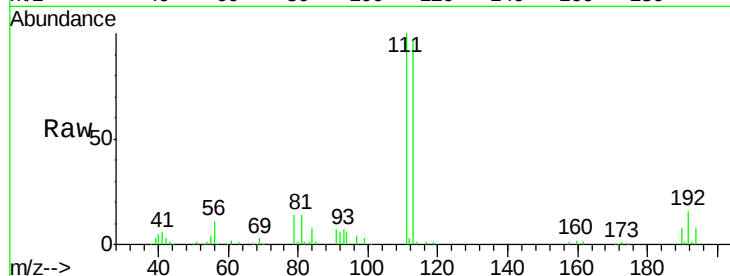




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.90 min Scan# 556
Delta R.T. -0.00 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

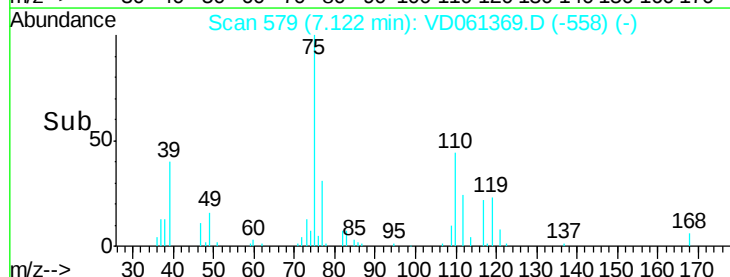
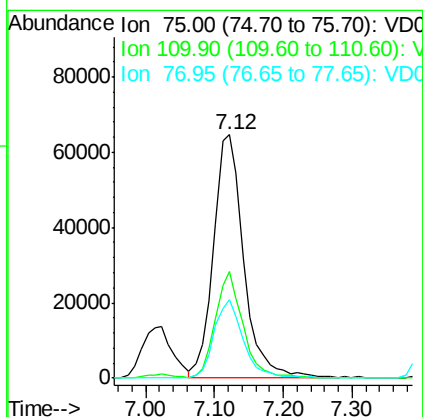
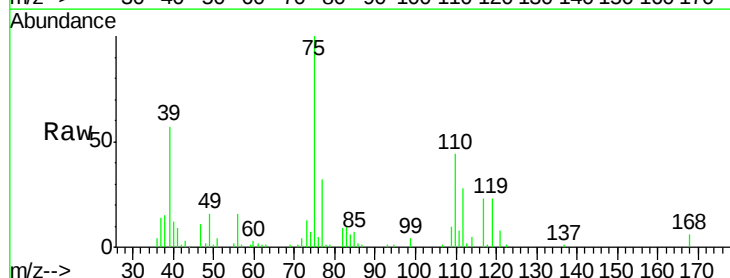
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS02

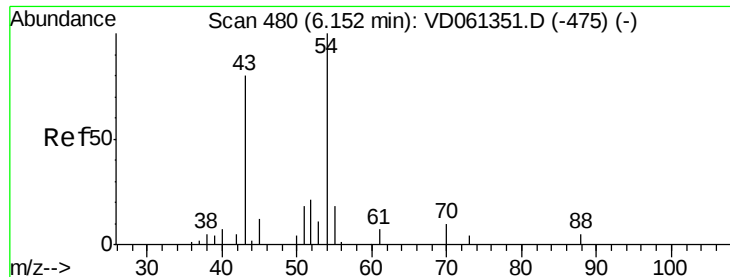
Tot Ion:113 Resp: 443210
Ion Ratio Lower Upper
113 100
111 102.8 81.0 121.6
192 16.3 14.4 21.6



#36
1,1-Dichloropropene
Concen: 20.841 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Tgt Ion: 75 Resp: 196538
Ion Ratio Lower Upper
75 100
110 43.6 20.4 61.3
77 32.4 24.9 37.3





#37

Ethyl Acetate

Concen: 22.807 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.01 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

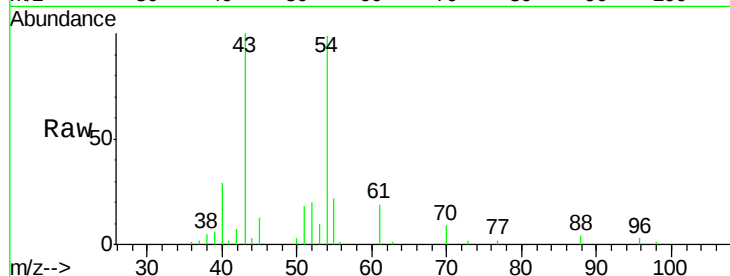
Tot Ion: 43 Resp: 91984

Ion Ratio Lower Upper

43 100

61 19.3 13.8 20.8

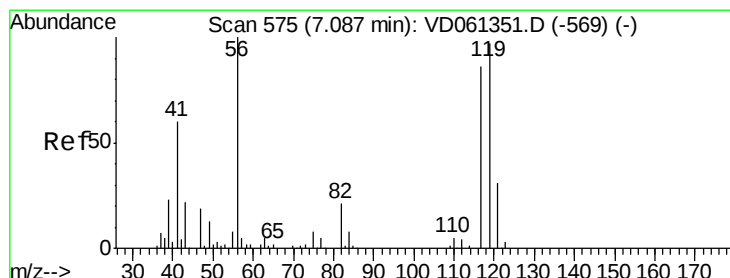
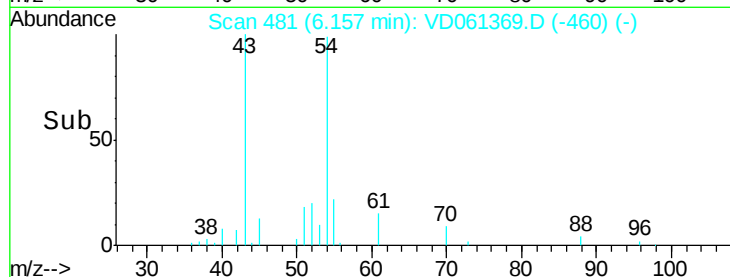
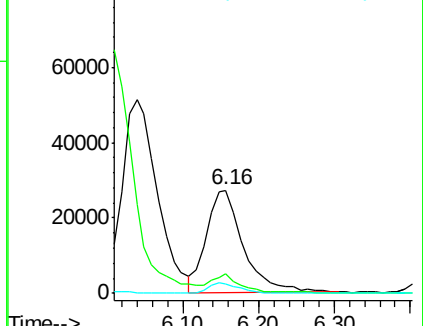
70 8.7 7.8 11.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 19.889 ug/l

RT: 7.08 min Scan# 575

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

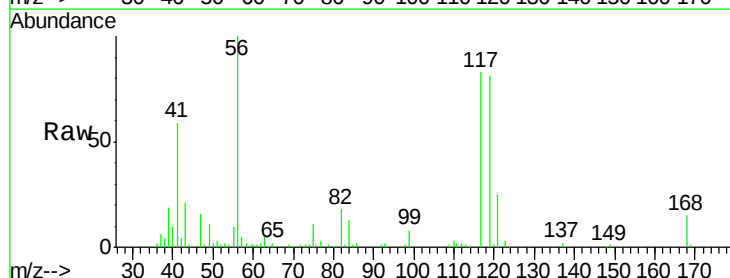
Tgt Ion: 117 Resp: 213556

Ion Ratio Lower Upper

117 100

119 97.1 80.1 120.1

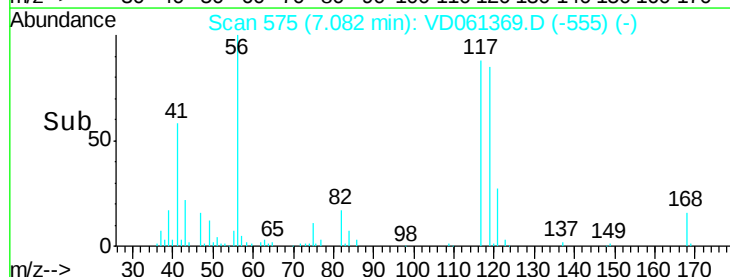
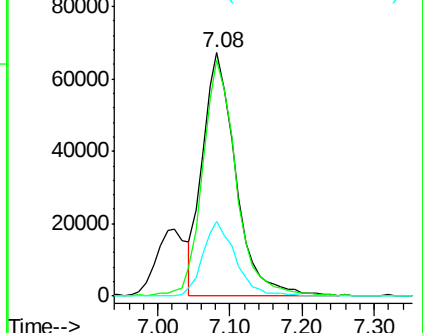
121 30.6 25.6 38.4



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 17.261 ug/l

RT: 8.83 min Scan# 753

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

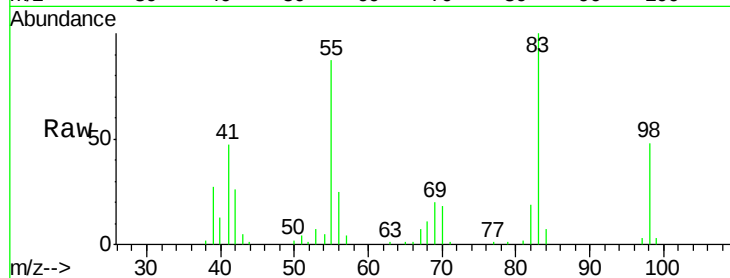
Tot Ion: 83 Resp: 169527

Ion Ratio Lower Upper

83 100

55 86.5 71.5 107.3

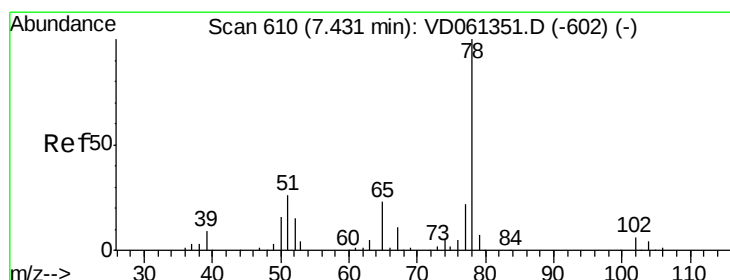
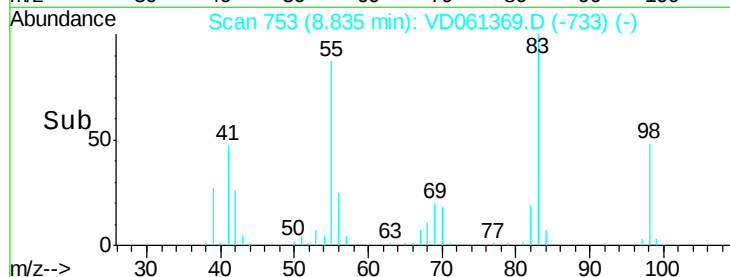
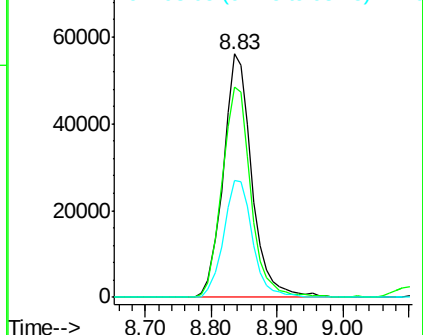
98 47.8 40.3 60.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.763 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.00 min

Lab File: VD061369.D

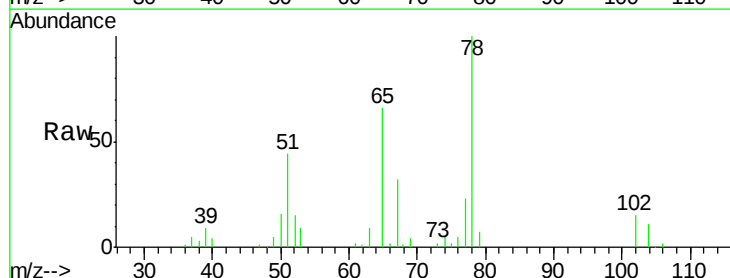
Acq: 28 Mar 2019 00:51

Tgt Ion: 78 Resp: 467736

Ion Ratio Lower Upper

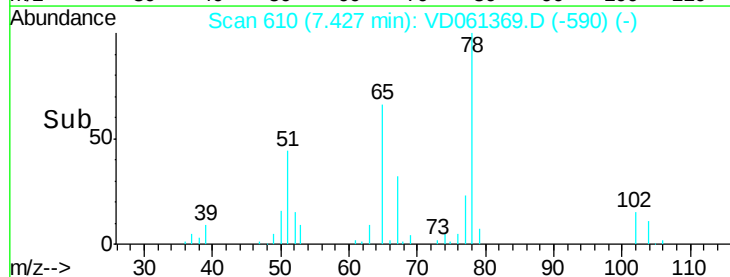
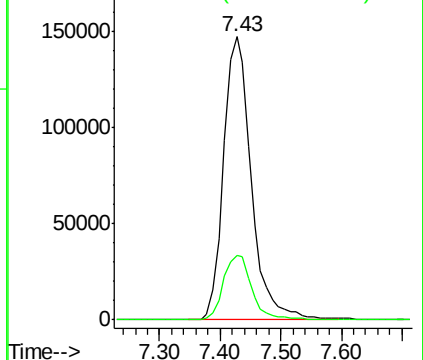
78 100

77 23.0 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

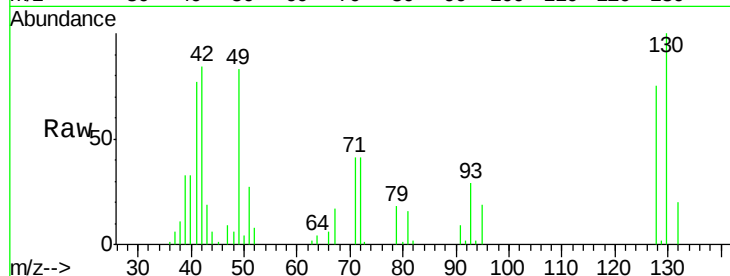




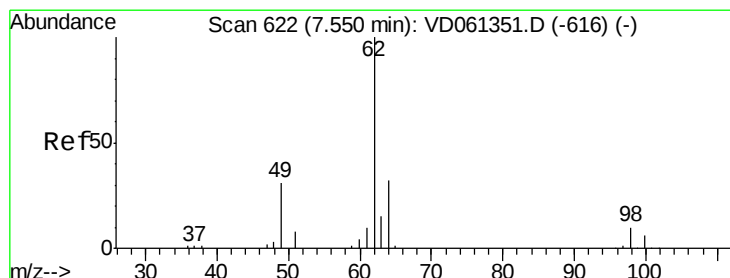
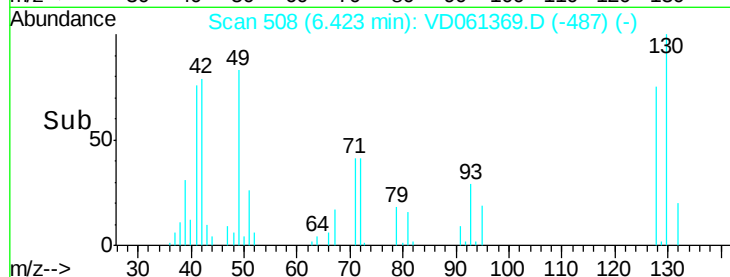
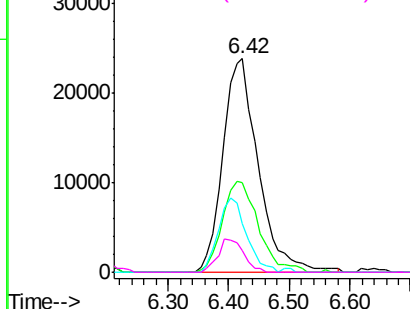
#41
Methacrylonitrile
Concen: 20.613 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS02

Tot Ion: 41 Resp: 97205
Ion Ratio Lower Upper
41 100
39 42.2 35.0 52.6
67 22.6 21.0 31.6
52 10.1 7.7 11.5

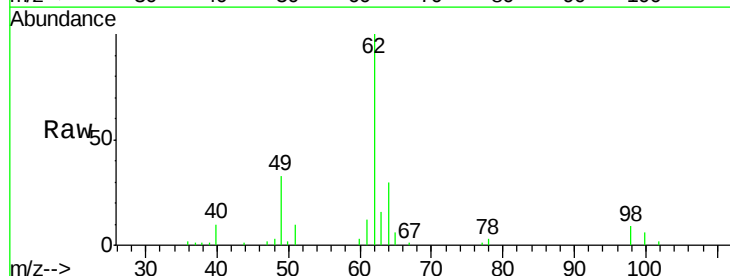


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

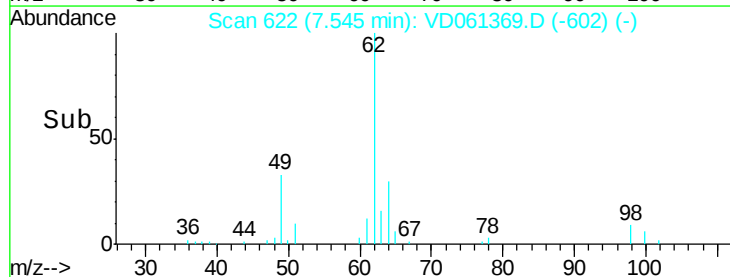
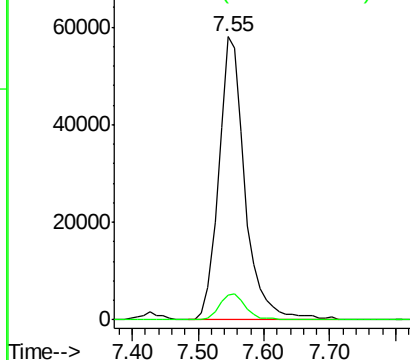


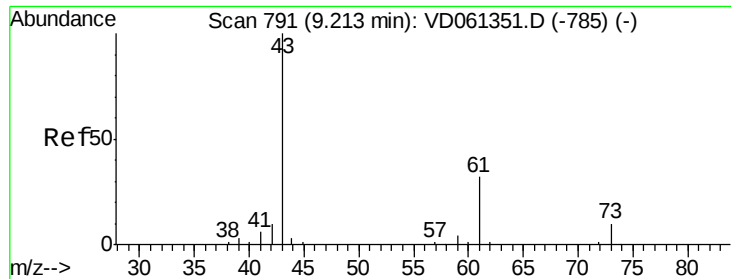
#42
1,2-Dichloroethane
Concen: 22.665 ug/l
RT: 7.55 min Scan# 622
Delta R.T. -0.00 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Tgt Ion: 62 Resp: 160455
Ion Ratio Lower Upper
62 100
98 8.8 0.0 19.8



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



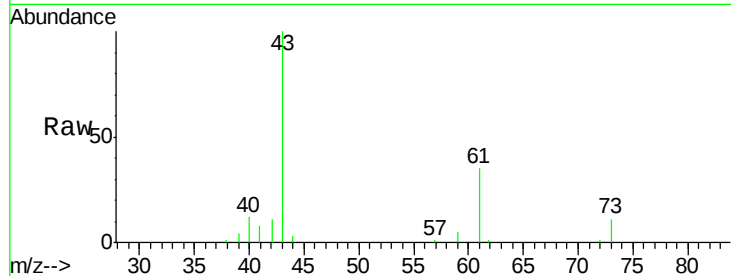


#43

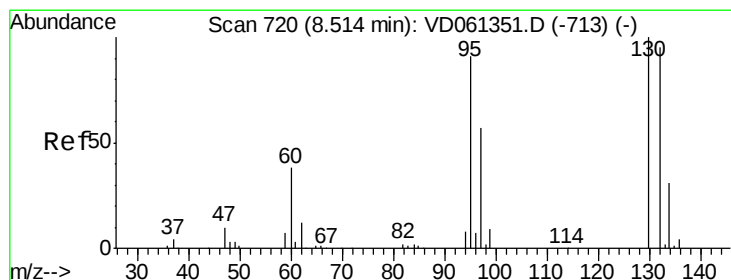
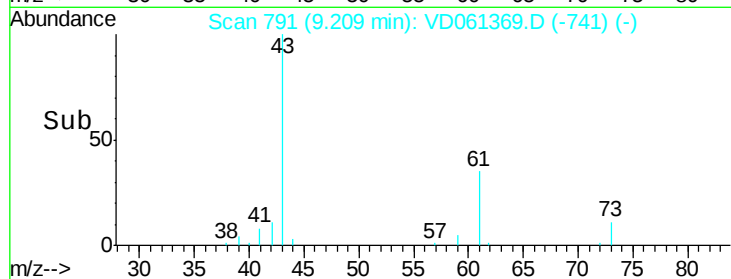
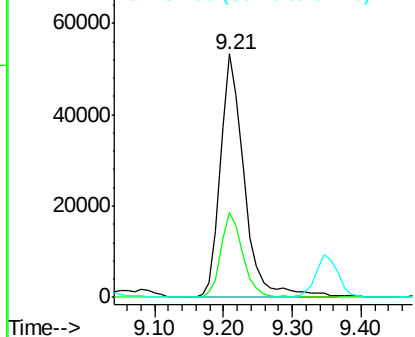
Isopropyl Acetate
 Concen: 21.836 ug/l
 RT: 9.21 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS02

Tot Ion: 43 Resp: 128136
 Ion Ratio Lower Upper
 43 100
 61 34.8 25.8 38.6
 87 0.0 0.0 0.0



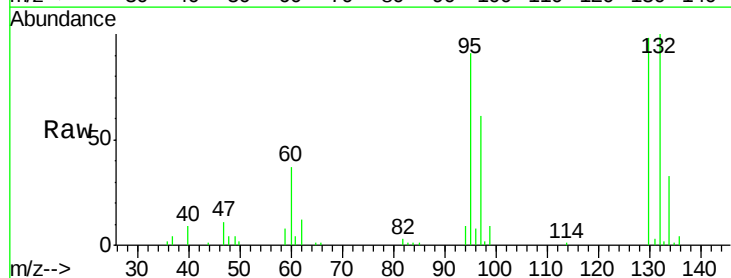
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



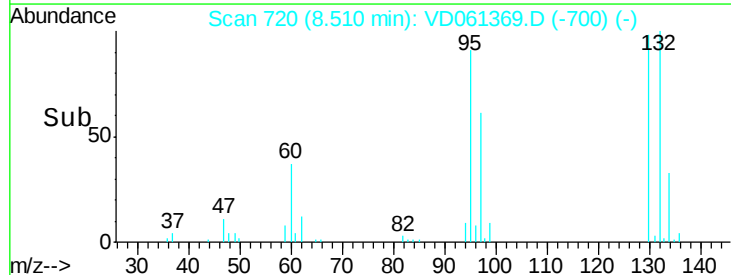
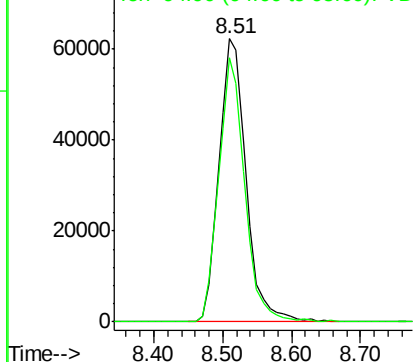
#44

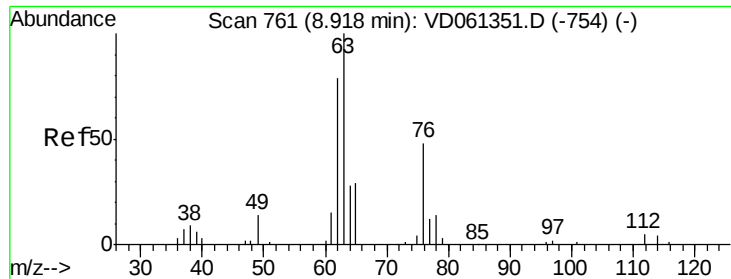
Trichloroethene
 Concen: 19.177 ug/l
 RT: 8.51 min Scan# 720
 Delta R.T. -0.00 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

Tgt Ion:130 Resp: 168910
 Ion Ratio Lower Upper
 130 100
 95 93.3 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.401 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

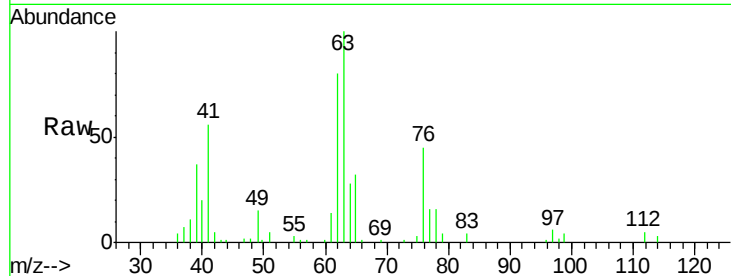
VD0327SBS02

Tot Ion: 63 Resp: 122431

Ion Ratio Lower Upper

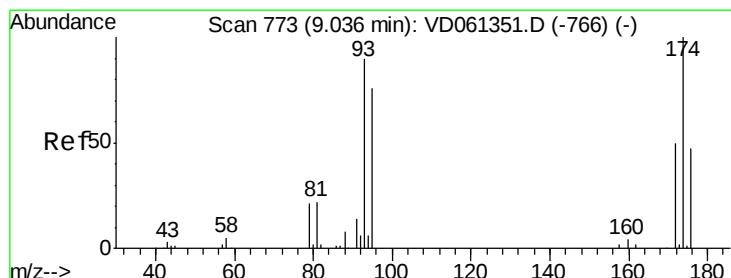
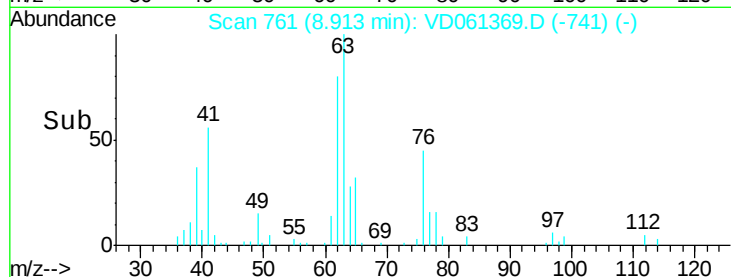
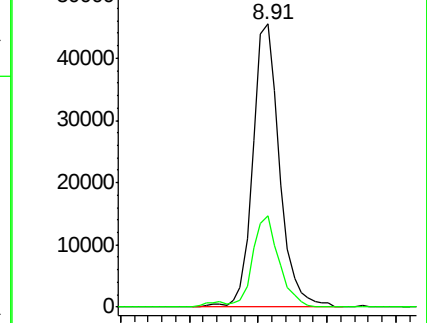
63 100

65 32.5 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: 20.992 ug/l

RT: 9.03 min Scan# 773

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

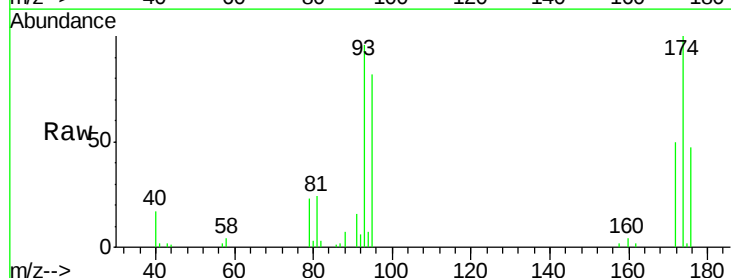
Tgt Ion: 93 Resp: 84793

Ion Ratio Lower Upper

93 100

95 85.7 67.4 101.0

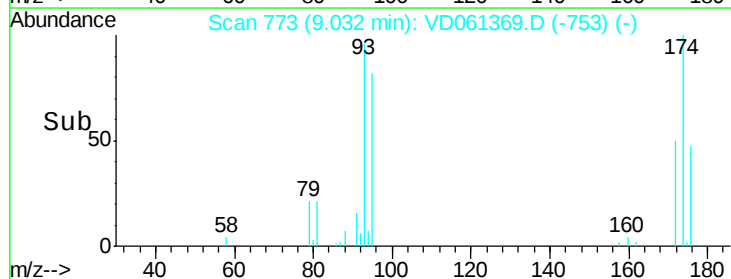
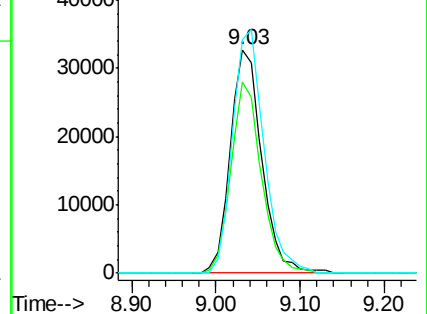
174 104.6 88.9 133.3

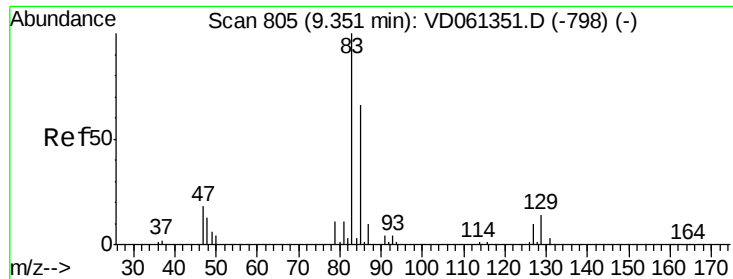


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.086 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

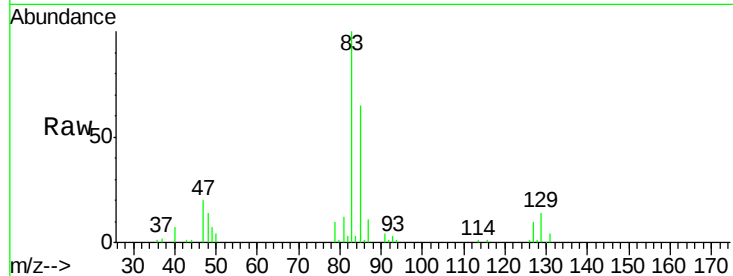
Tot Ion: 83 Resp: 200236

Ion Ratio Lower Upper

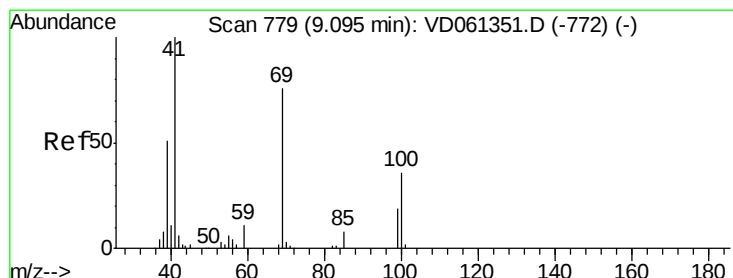
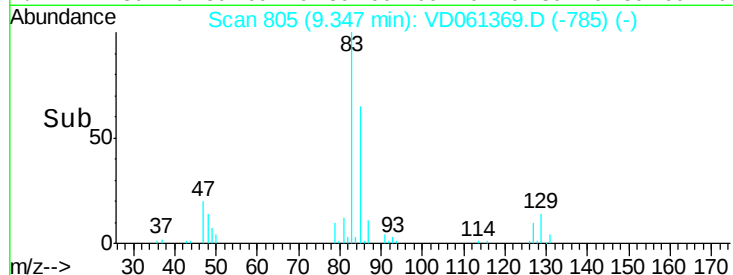
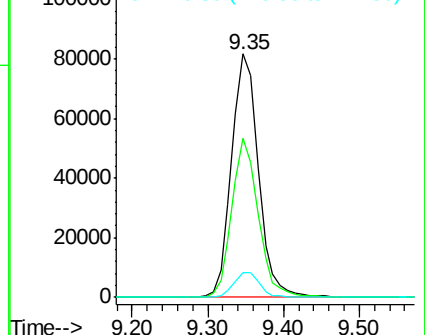
83 100

85 65.2 53.0 79.4

127 10.4 8.4 12.6



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



#48

Methyl methacrylate

Concen: 22.557 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

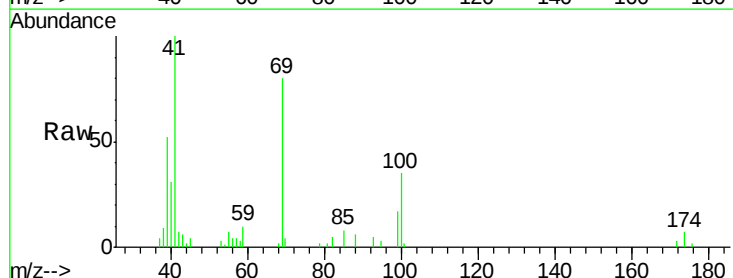
Tgt Ion: 41 Resp: 73051

Ion Ratio Lower Upper

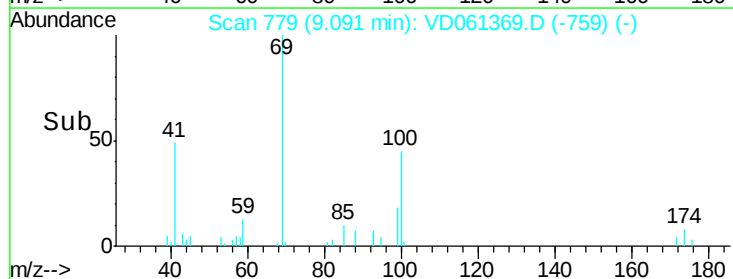
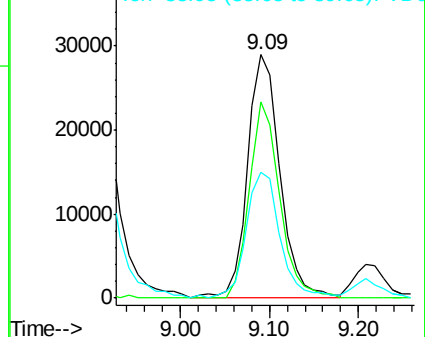
41 100

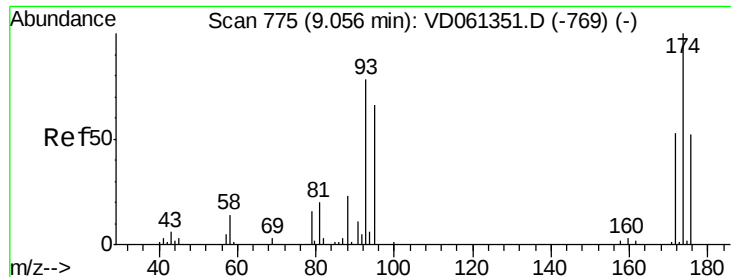
69 80.5 60.2 90.4

39 51.5 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: 438.653 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

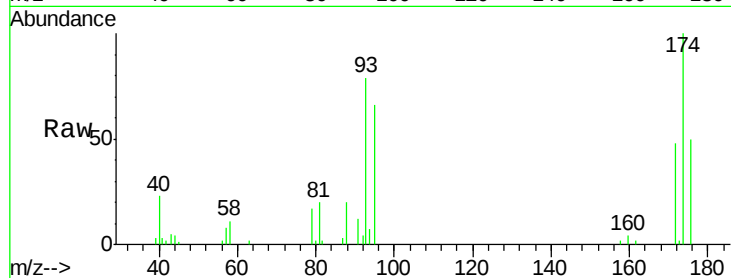
Tot Ion: 88 Resp: 15669

Ion Ratio Lower Upper

88 100

43 27.4 23.3 34.9

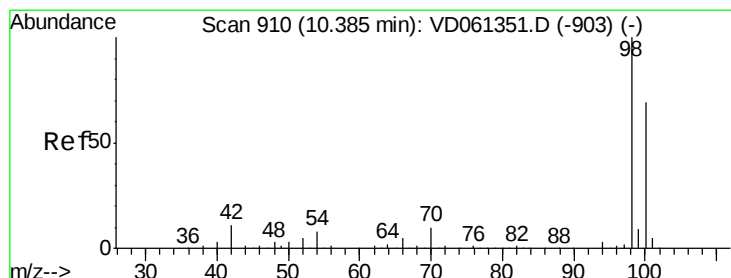
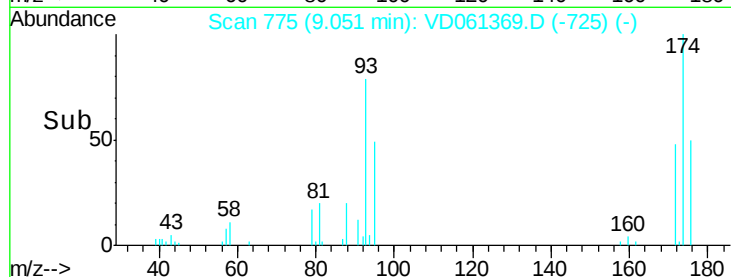
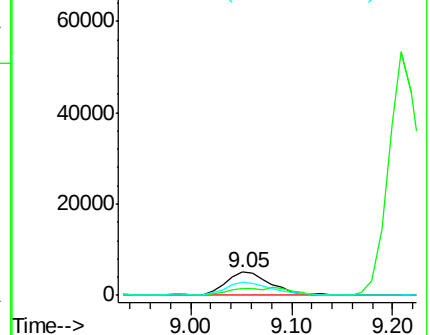
58 56.9 50.8 76.2



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: 438.653 ug/l

RT: 10.38 min Scan# 910

Delta R.T. -0.00 min

Lab File: VD061369.D

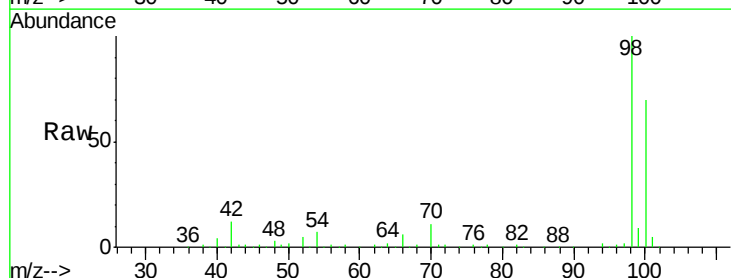
Acq: 28 Mar 2019 00:51

Tgt Ion: 98 Resp: 1023124

Ion Ratio Lower Upper

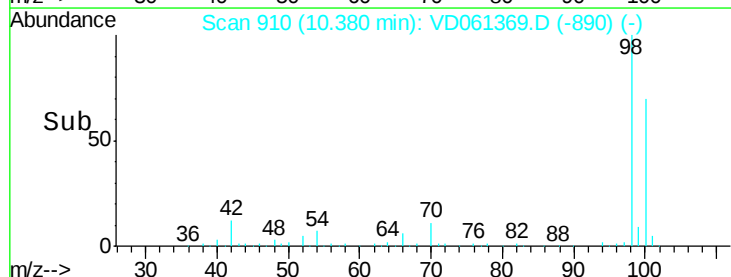
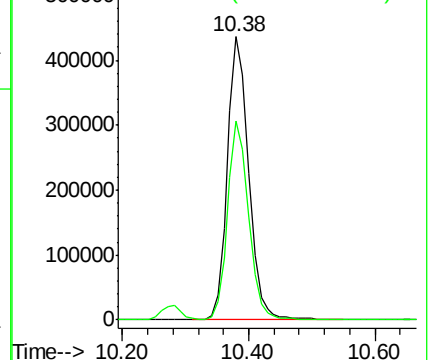
98 100

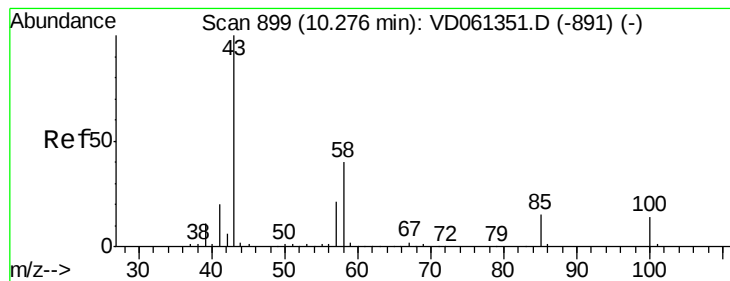
100 70.1 56.2 84.2



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: 115.845 ug/l

RT: 10.27 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

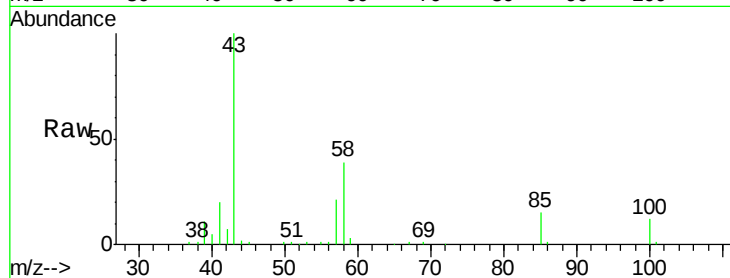
VD0327SBS02

Tot Ion: 43 Resp: 413580

Ion Ratio Lower Upper

43 100

58 38.9 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.27

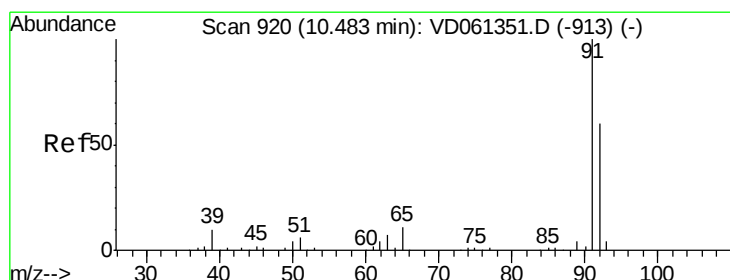
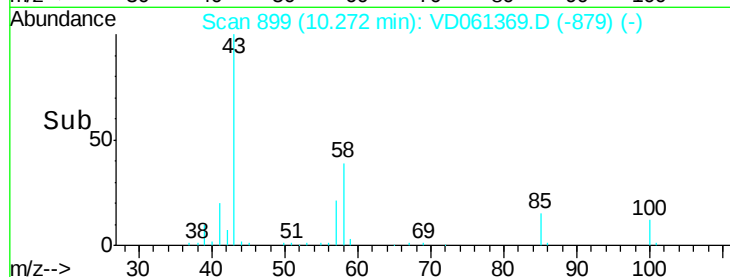
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.419 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.00 min

Lab File: VD061369.D

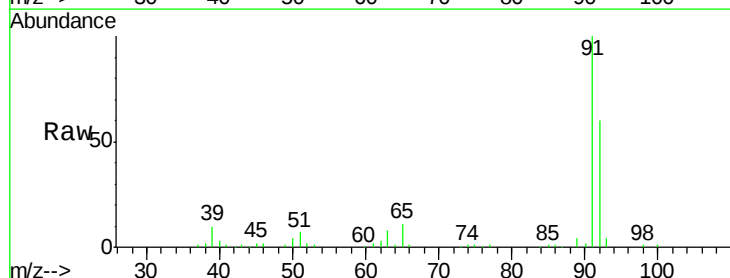
Acq: 28 Mar 2019 00:51

Tgt Ion: 92 Resp: 294828

Ion Ratio Lower Upper

92 100

91 167.3 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

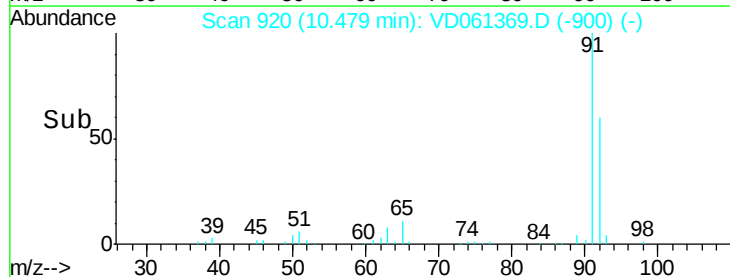
150000

100000

50000

0

Time-->

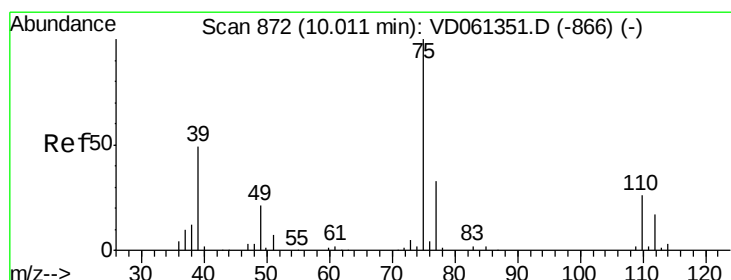
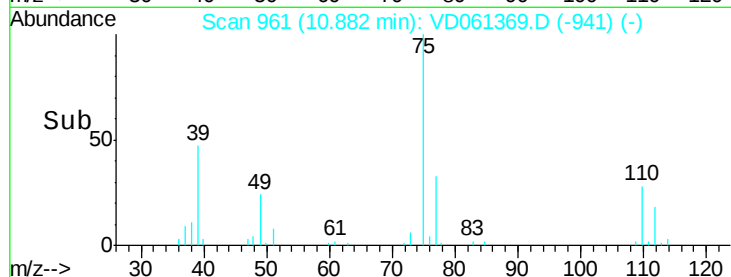
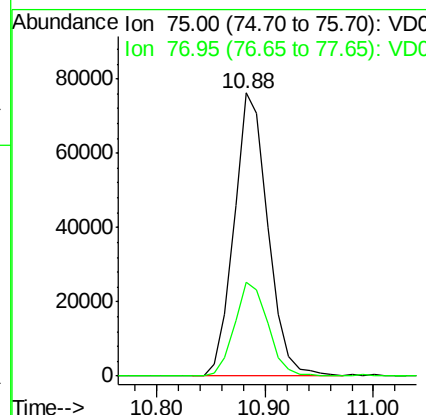
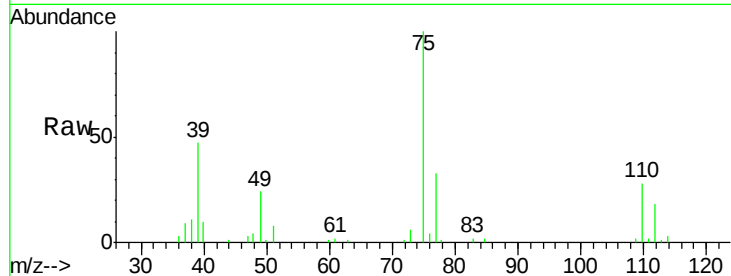




#53
 t-1,3-Dichloropropene
 Concen: 20.039 ug/l
 RT: 10.88 min Scan# 961
 Delta R.T. -0.00 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

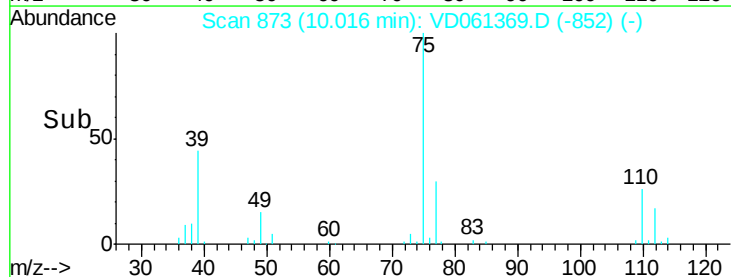
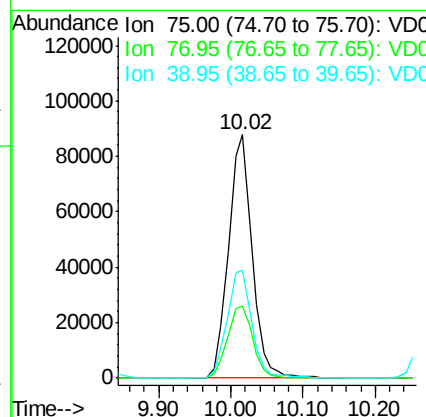
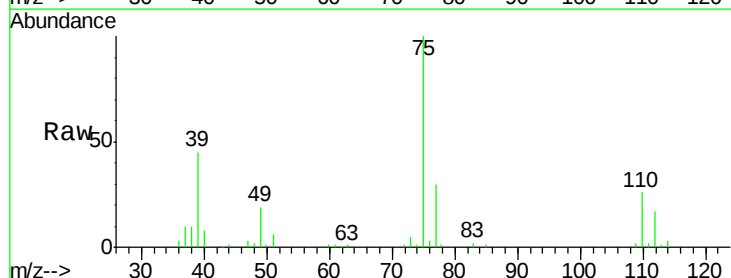
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS02

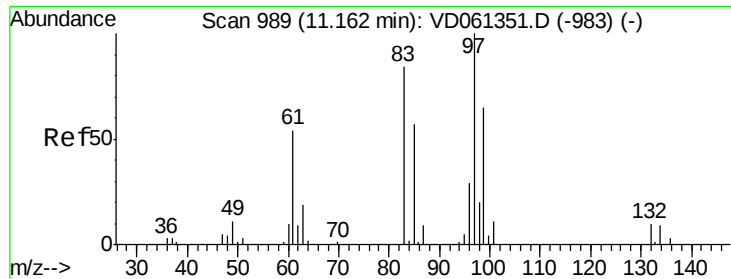
Tot Ion: 75 Resp: 165059
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.818 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

Tgt Ion: 75 Resp: 198771
 Ion Ratio Lower Upper
 75 100
 77 29.9 26.2 39.4
 39 44.5 39.4 59.0

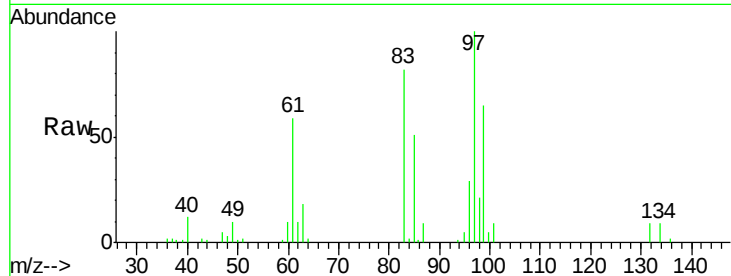




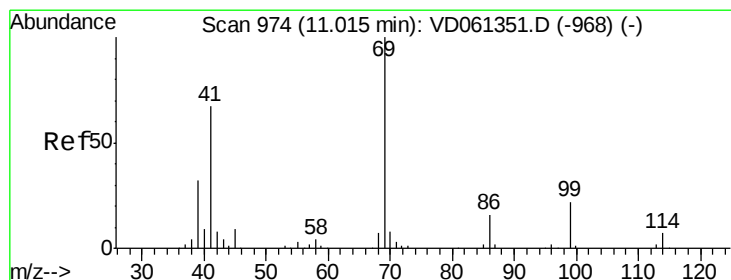
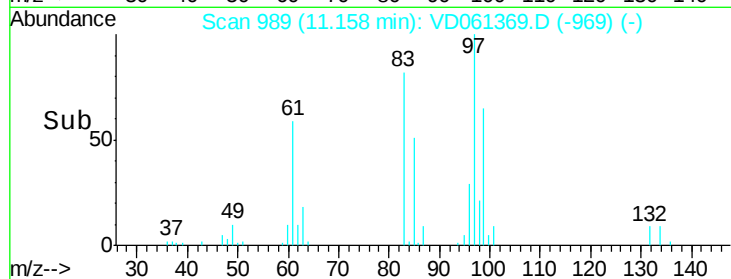
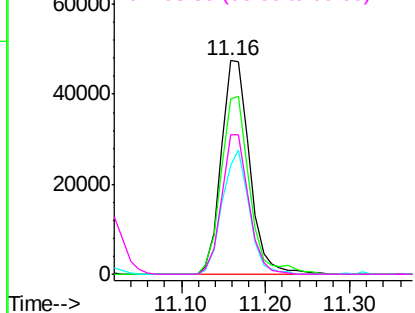
#55
 1,1,2-Trichloroethane
 Concen: 22.048 ug/l
 RT: 11.16 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS02

Tot Ion:	97	Resp:	111332
Ion	Ratio	Lower	Upper
97	100		
83	82.0	67.0	100.6
85	50.9	45.4	68.2
99	65.3	51.9	77.9

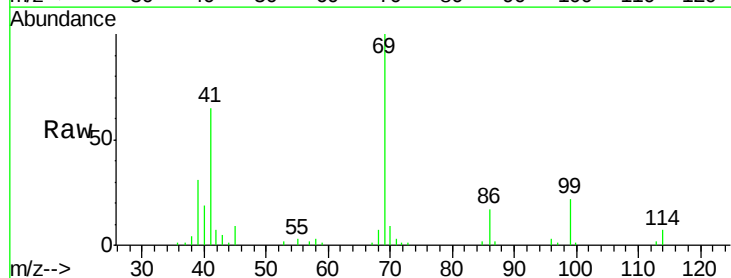


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

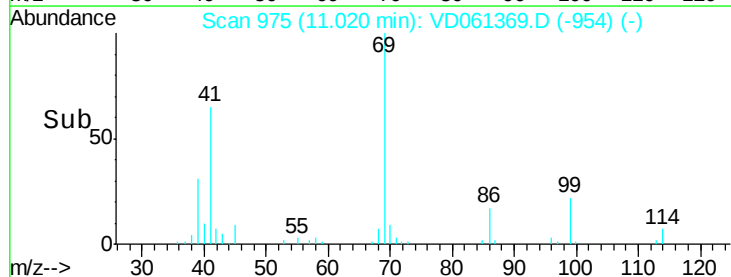
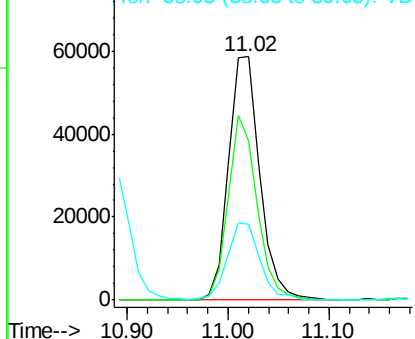


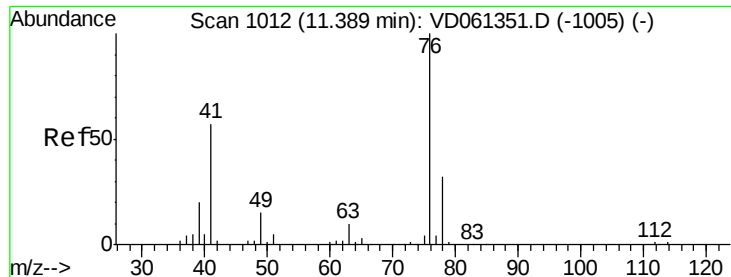
#56
 Ethyl methacrylate
 Concen: 23.290 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

Tgt Ion:	69	Resp:	126340
Ion	Ratio	Lower	Upper
69	100		
41	65.4	53.8	80.6
39	30.9	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

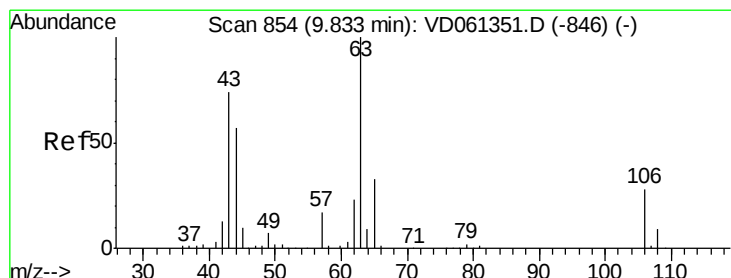
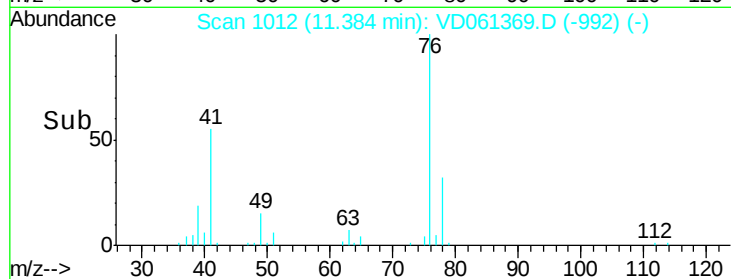
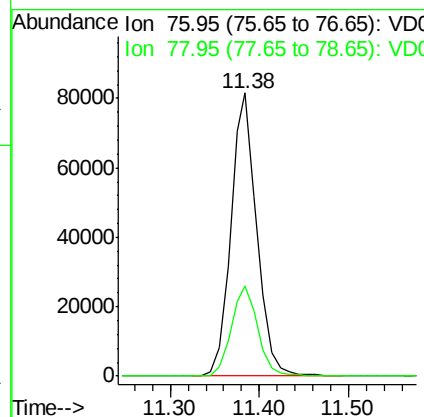
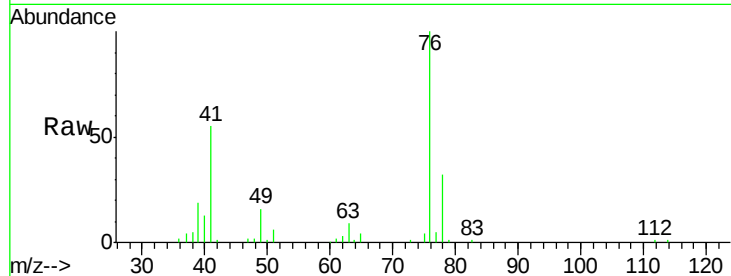




#57
 1,3-Dichloropropane
 Concen: 22.287 ug/l
 RT: 11.38 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

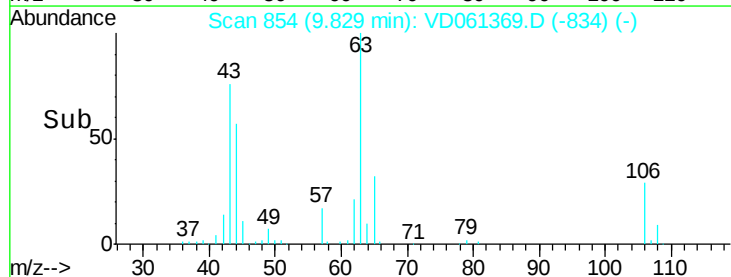
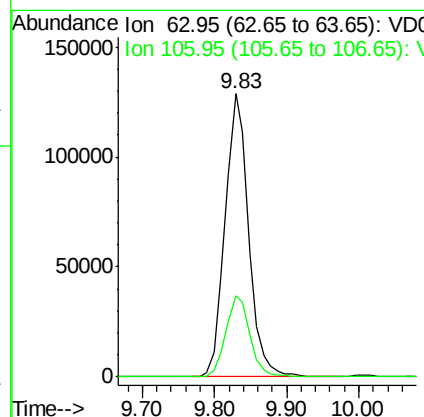
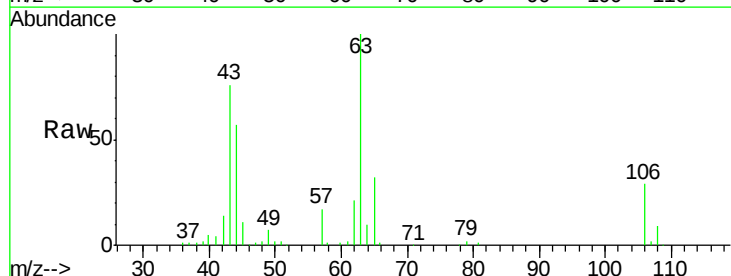
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS02

Tot Ion: 76 Resp: 165414
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.868 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

Tgt Ion: 63 Resp: 290245
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.4 33.6

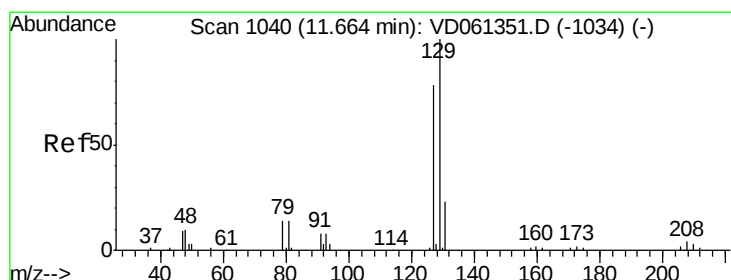
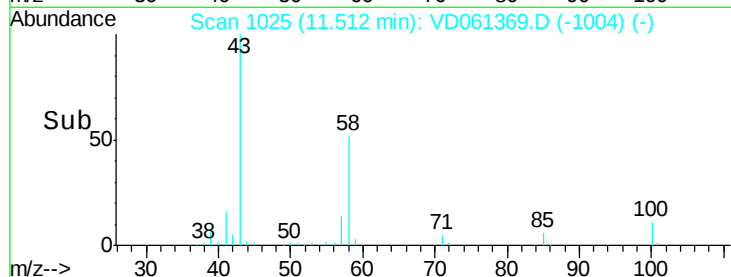
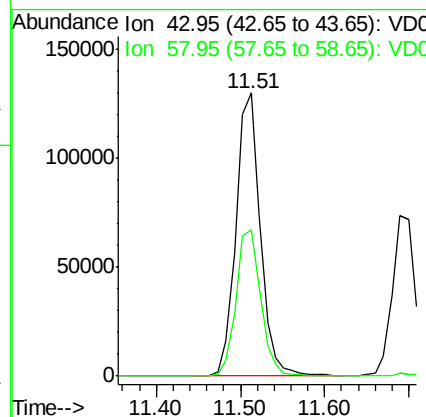
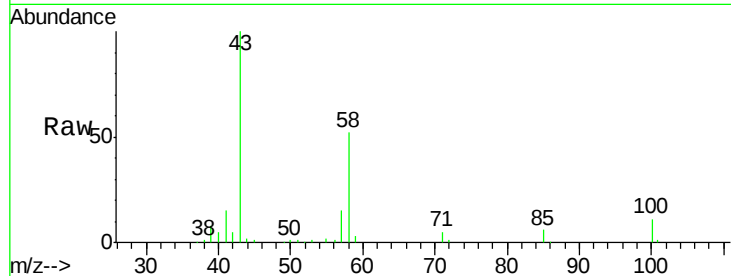




#59
2-Hexanone
Concen: 100.841 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

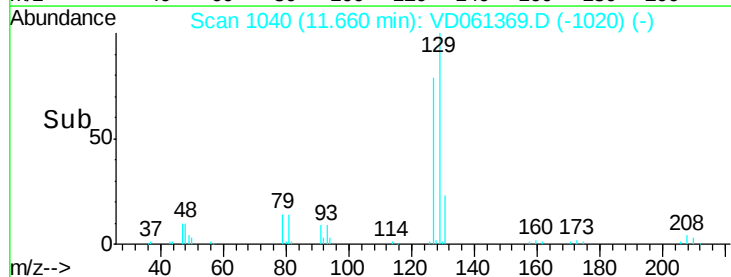
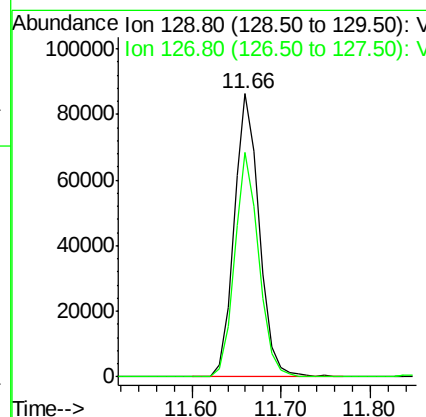
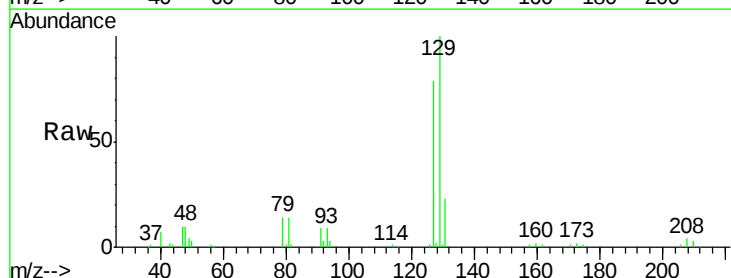
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS02

Tot Ion: 43 Resp: 260840
Ion Ratio Lower Upper
43 100
58 51.7 26.3 78.9



#60
Dibromochloromethane
Concen: 21.880 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Tgt Ion: 129 Resp: 170324
Ion Ratio Lower Upper
129 100
127 79.2 39.0 116.9

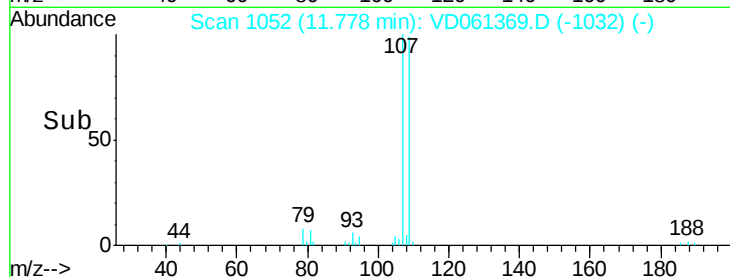
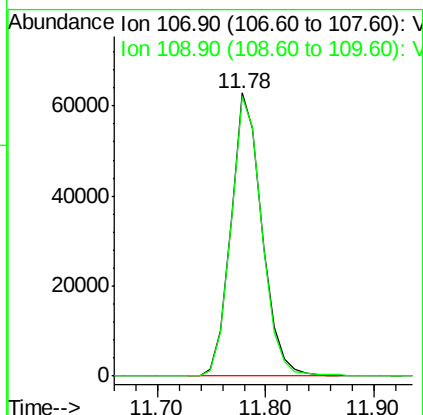
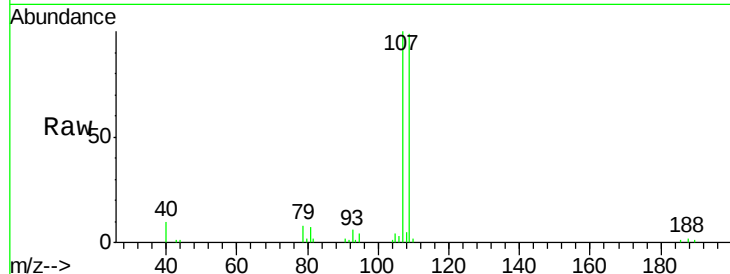




#61
 1,2-Dibromoethane
 Concen: 21.326 ug/l
 RT: 11.78 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

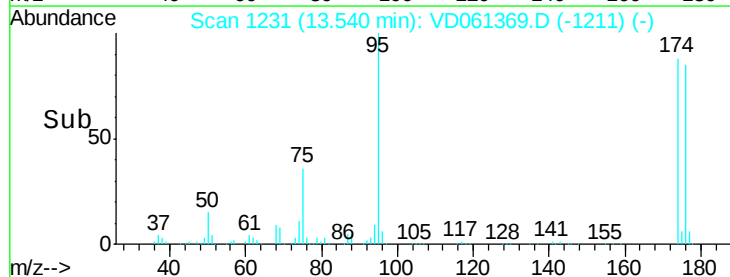
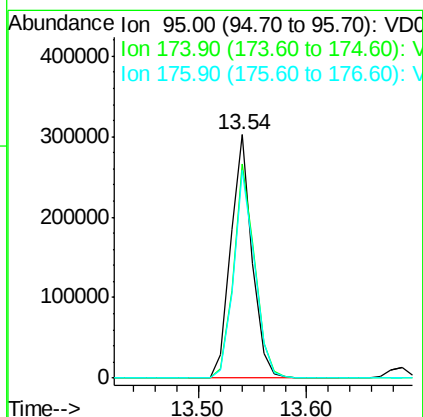
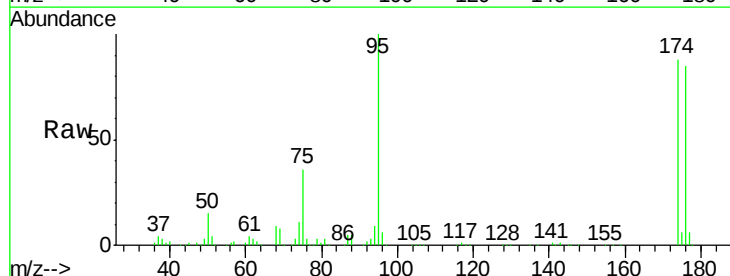
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS02

Tot Ion:107 Resp: 124698
 Ion Ratio Lower Upper
 107 100
 109 98.8 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 21.326 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

Tgt Ion: 95 Resp: 413465
 Ion Ratio Lower Upper
 95 100
 174 87.9 0.0 178.0
 176 85.4 0.0 175.0

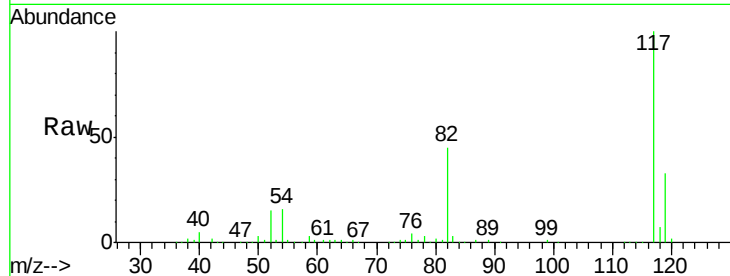




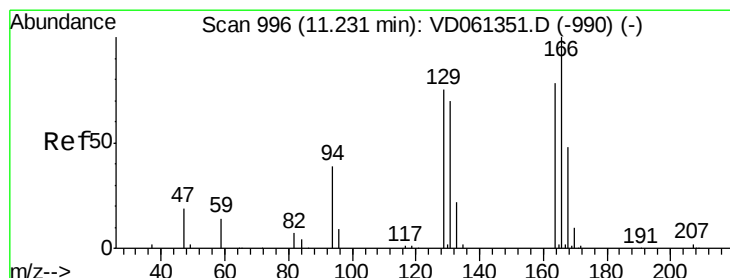
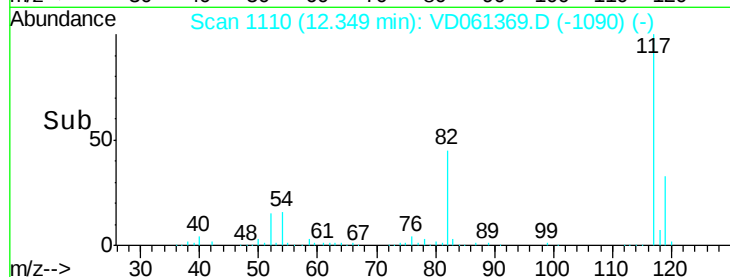
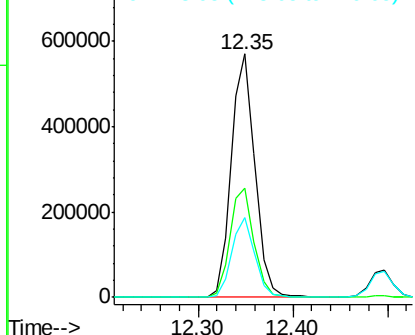
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS02

Tot Ion:117 Resp: 982993
Ion Ratio Lower Upper
117 100
82 44.7 34.4 51.6
119 32.8 25.8 38.6

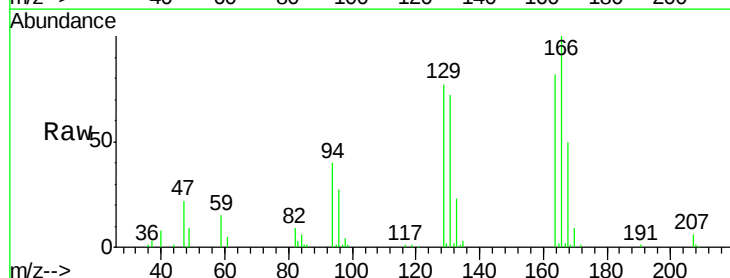


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

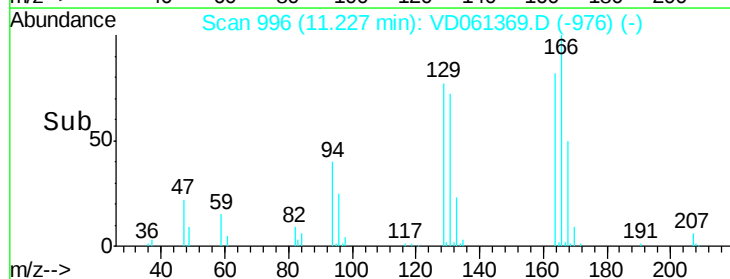
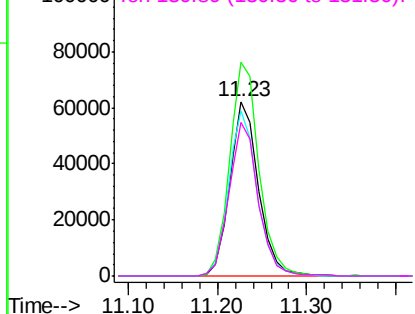


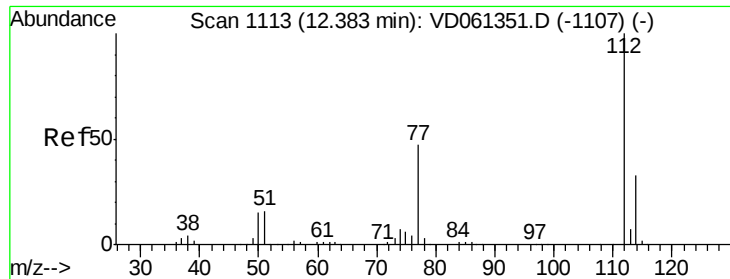
#64
Tetrachloroethene
Concen: 18.172 ug/l
RT: 11.23 min Scan# 996
Delta R.T. -0.00 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Tgt Ion:164 Resp: 140194
Ion Ratio Lower Upper
164 100
166 122.5 102.4 153.6
129 94.5 76.8 115.2
131 87.8 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: 19.922 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

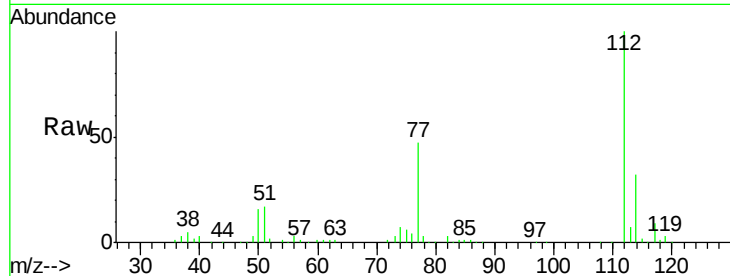
VD0327SBS02

Tot Ion:112 Resp: 400214

Ion Ratio Lower Upper

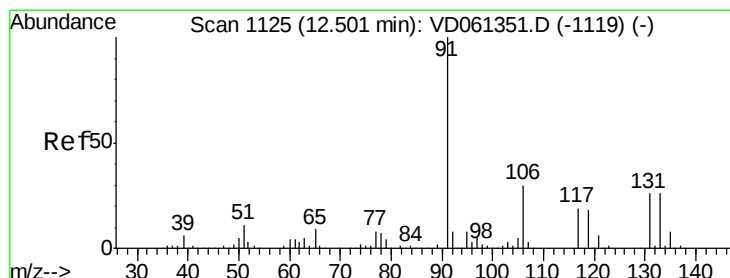
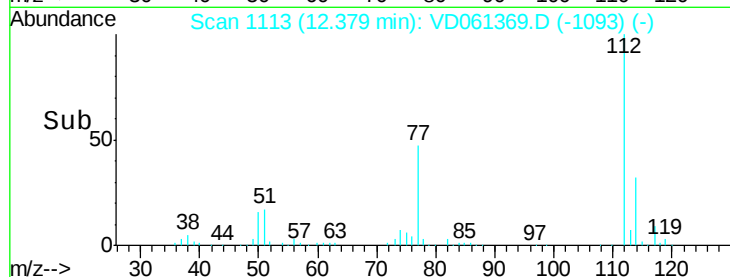
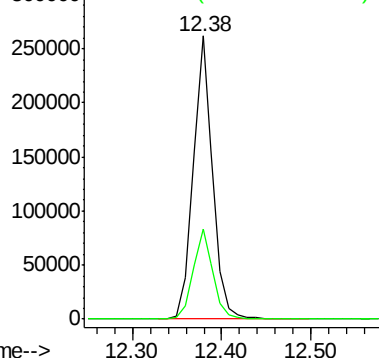
112 100

114 32.0 26.6 39.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.624 ug/l

RT: 12.50 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

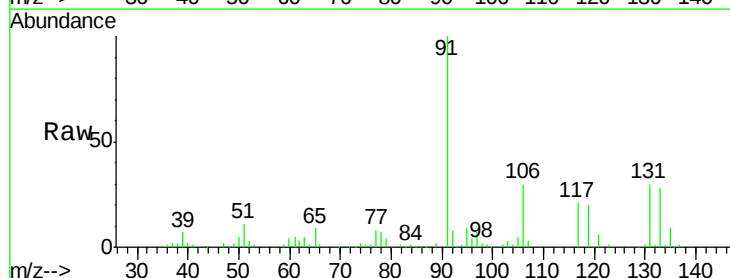
Tgt Ion:131 Resp: 152644

Ion Ratio Lower Upper

131 100

133 95.3 49.4 148.2

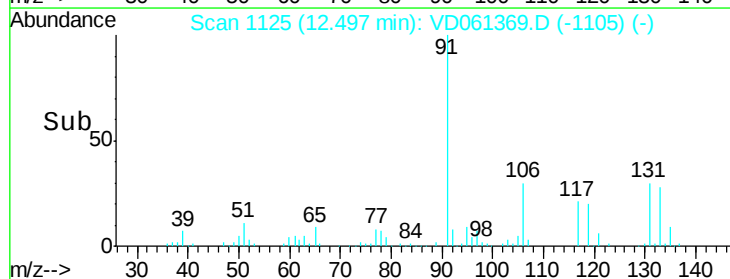
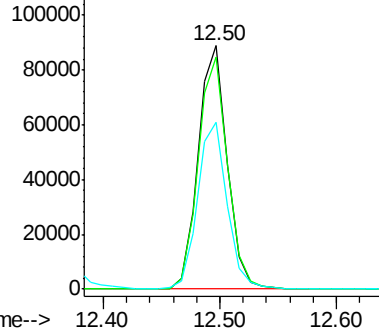
119 68.7 34.1 102.2



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

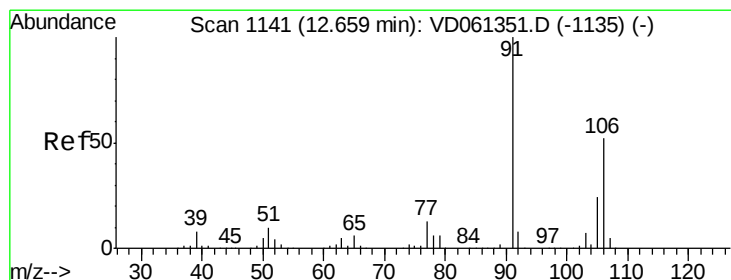
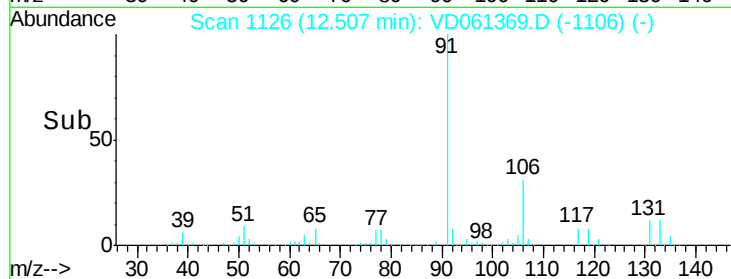
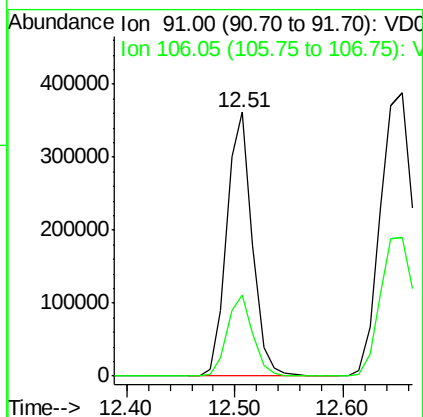
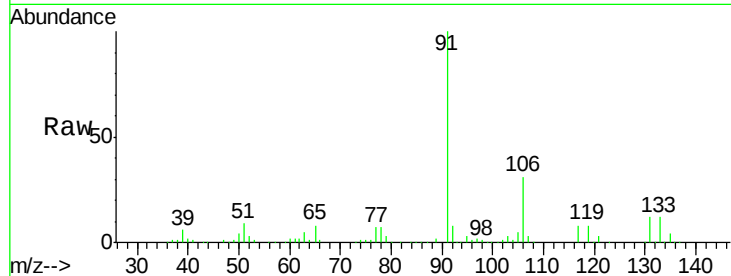




#67
Ethyl Benzene
Concen: 19.300 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

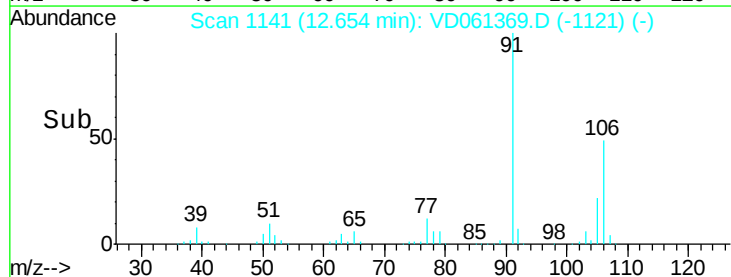
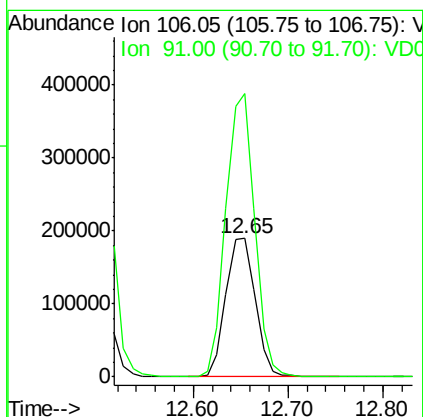
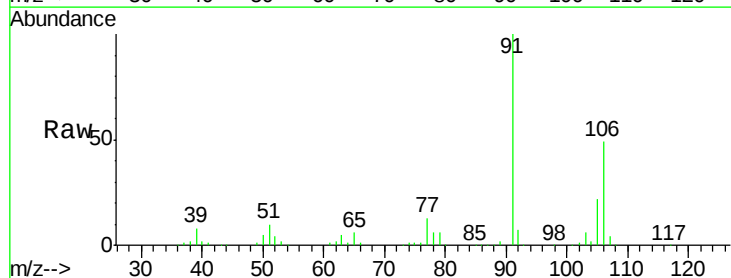
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS02

Tot Ion: 91 Resp: 591811
Ion Ratio Lower Upper
91 100
106 30.8 26.1 39.1



#68
m/p-Xylenes
Concen: 35.538 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Tgt Ion: 106 Resp: 412790
Ion Ratio Lower Upper
106 100
91 204.5 153.1 229.7

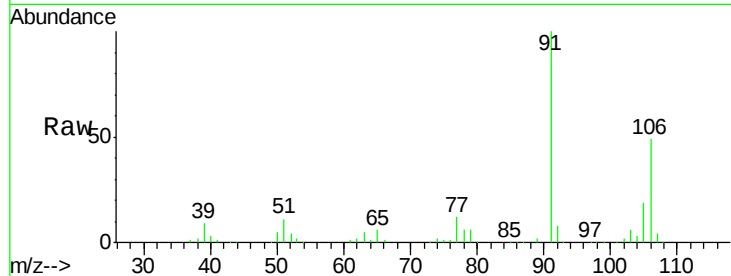




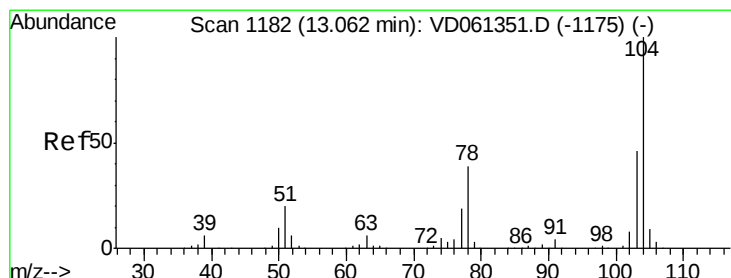
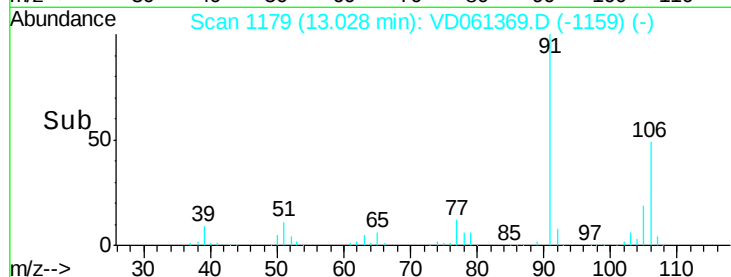
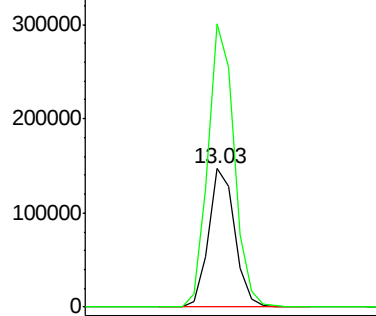
#69
o-Xylene
Concen: 20.306 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS02

Tot Ion:106 Resp: 228884
Ion Ratio Lower Upper
106 100
91 204.9 103.8 311.3

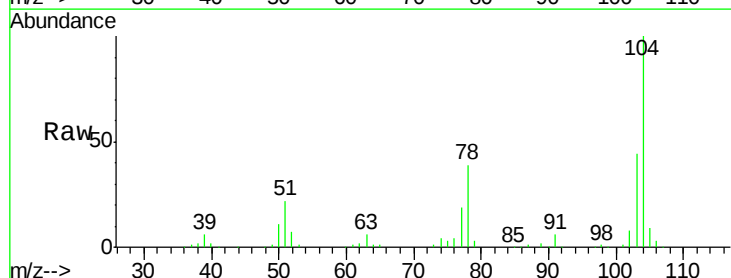


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

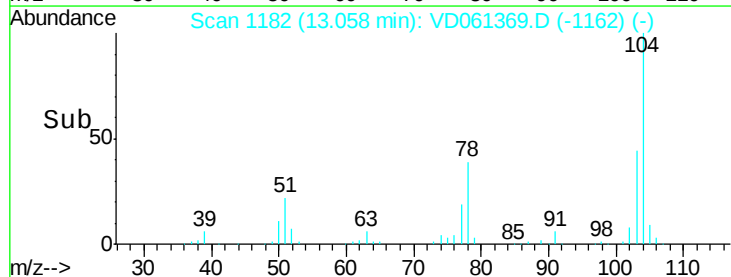
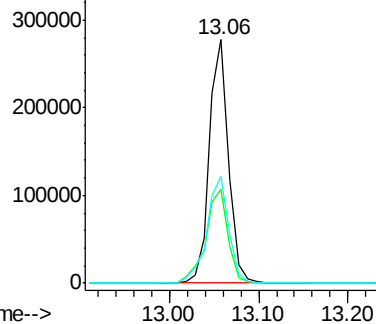


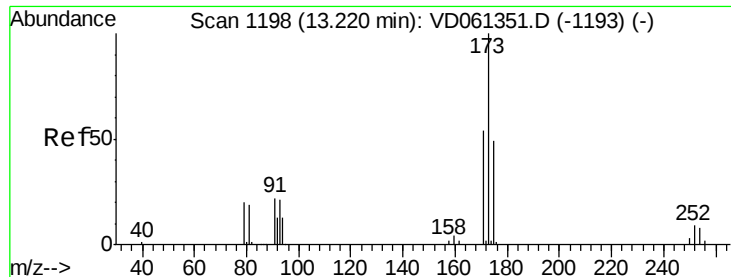
#70
Styrene
Concen: 21.109 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Tgt Ion:104 Resp: 414762
Ion Ratio Lower Upper
104 100
78 38.7 31.0 46.6
103 43.7 37.0 55.4



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

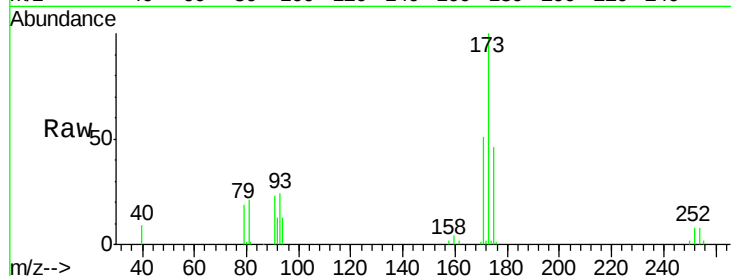




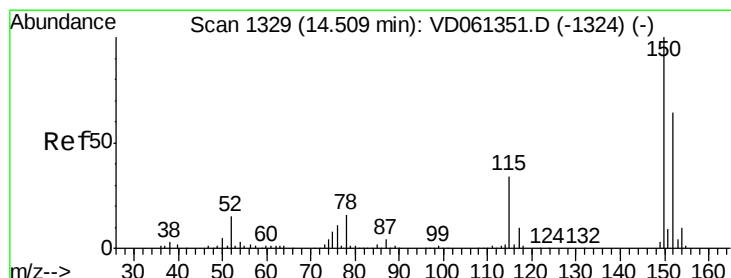
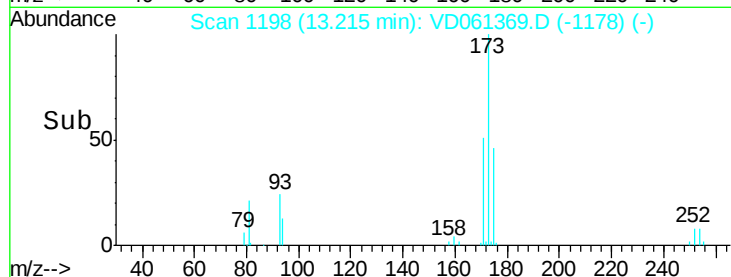
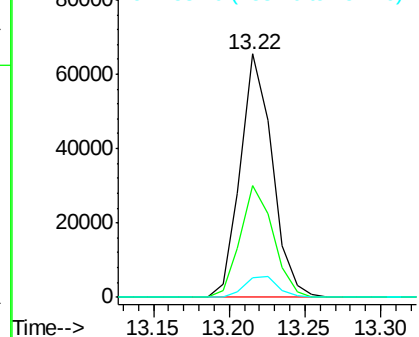
#71
Bromoform
Concen: 19.450 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. -0.00 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS02

Tot Ion:173 Resp: 95903
Ion Ratio Lower Upper
173 100
175 46.1 24.6 73.8
254 8.0 6.6 10.0

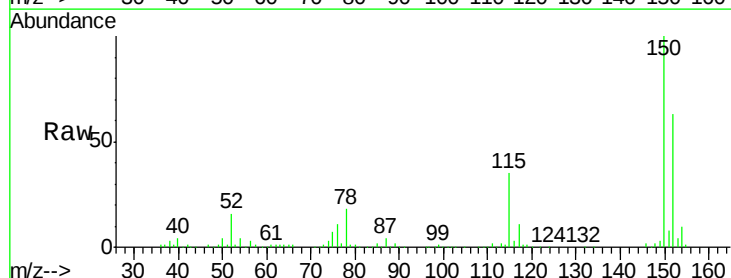


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

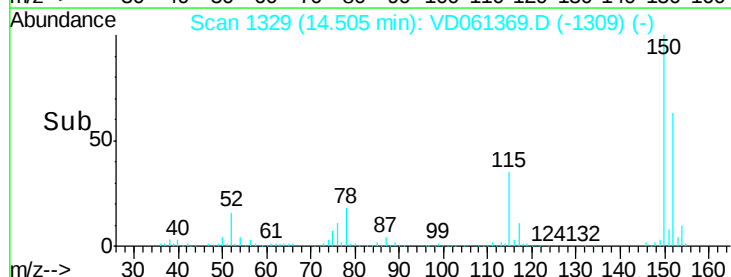
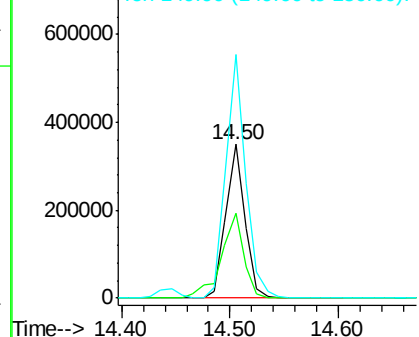


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Tgt Ion:152 Resp: 429370
Ion Ratio Lower Upper
152 100
115 55.6 26.9 80.6
150 158.5 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: 20.288 ug/l

RT: 13.38 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

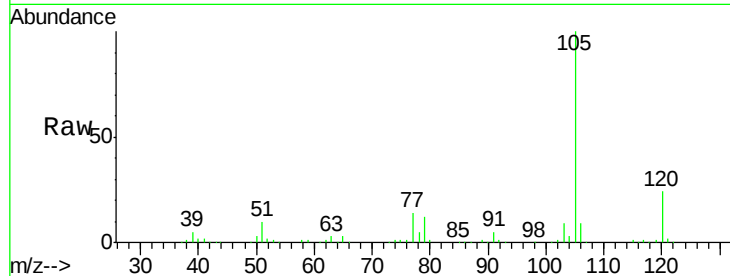
VD0327SBS02

Tot Ion:105 Resp: 606266

Ion Ratio Lower Upper

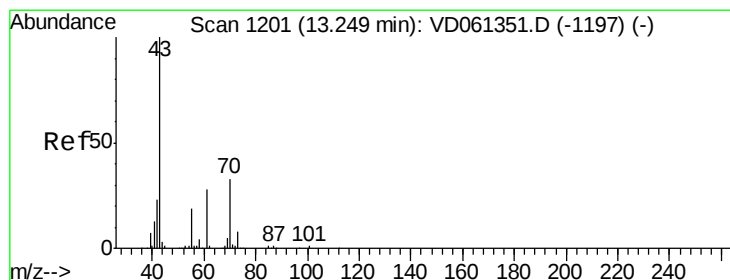
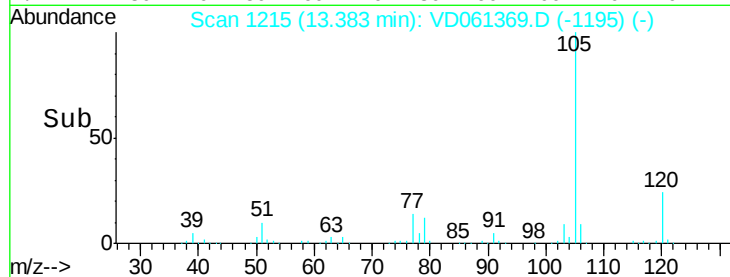
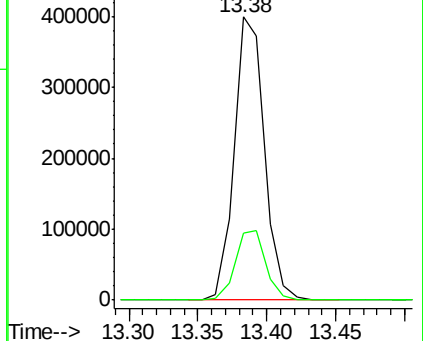
105 100

120 23.7 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: 19.644 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Tgt Ion: 43 Resp: 163531

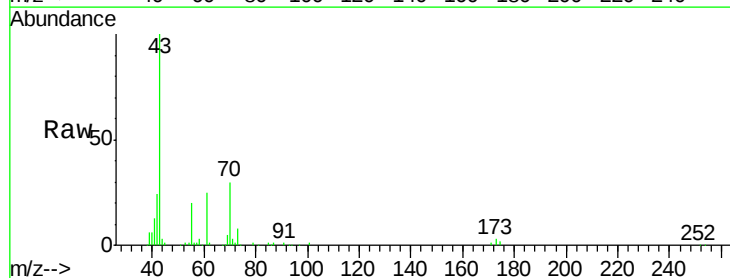
Ion Ratio Lower Upper

43 100

70 29.9 26.6 40.0

55 19.5 15.4 23.2

61 25.2 22.2 33.4

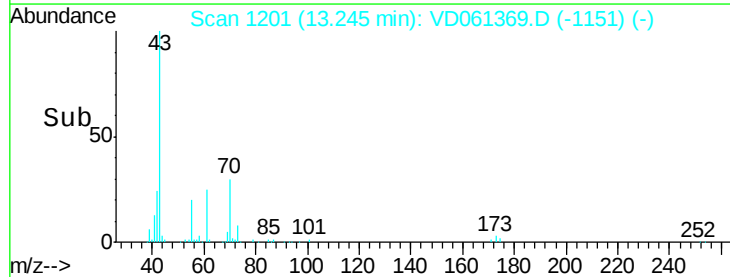
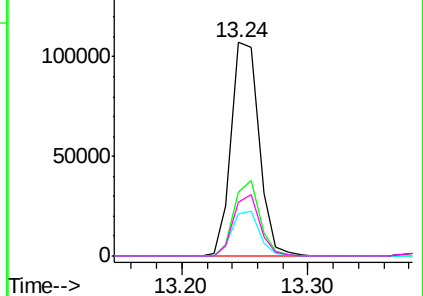


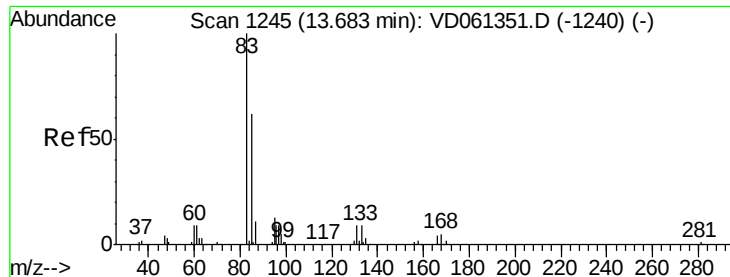
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.230 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

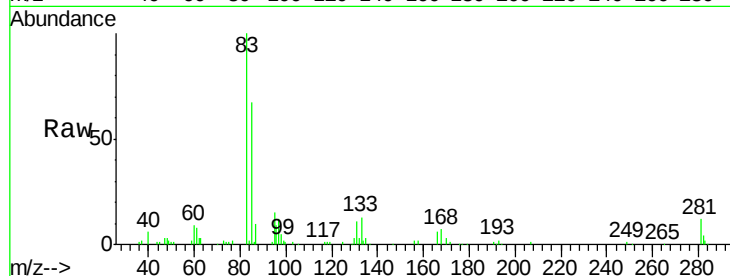
Tot Ion: 83 Resp: 127529

Ion Ratio Lower Upper

83 100

131 11.4 4.3 13.1

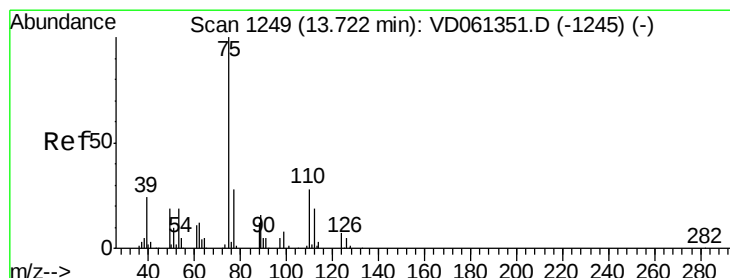
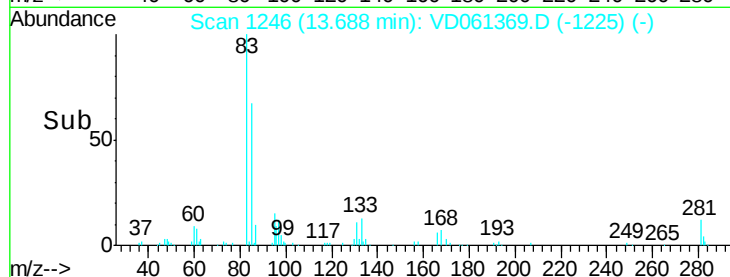
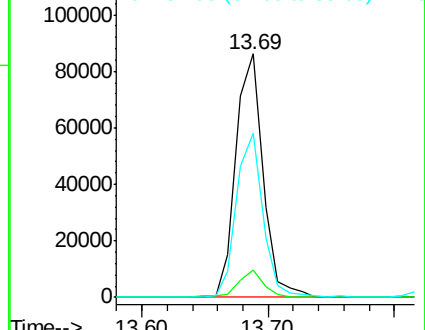
85 67.4 31.2 93.6



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: 19.801 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD061369.D

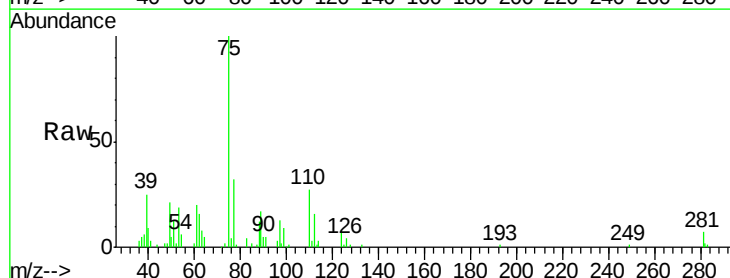
Acq: 28 Mar 2019 00:51

Tgt Ion: 75 Resp: 122815

Ion Ratio Lower Upper

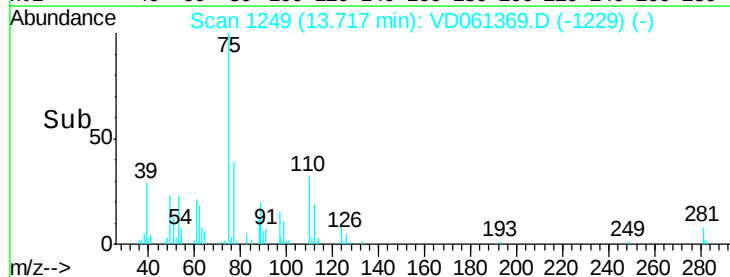
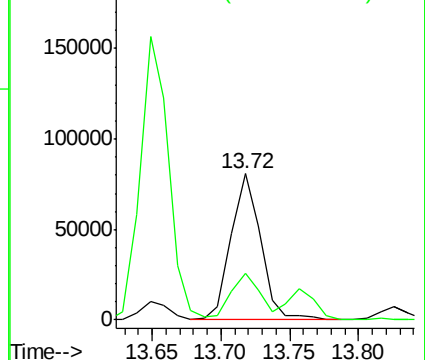
75 100

77 32.3 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: 21.088 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

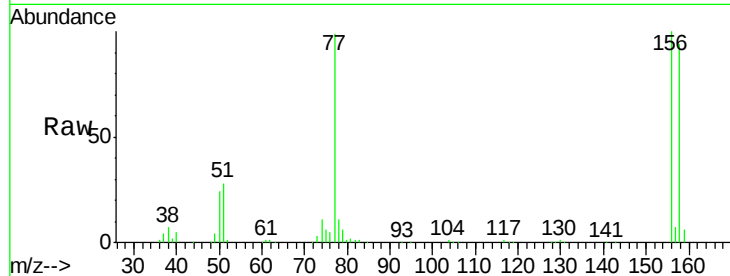
Tot Ion:156 Resp: 186828

Ion Ratio Lower Upper

156 100

77 99.4 68.5 205.6

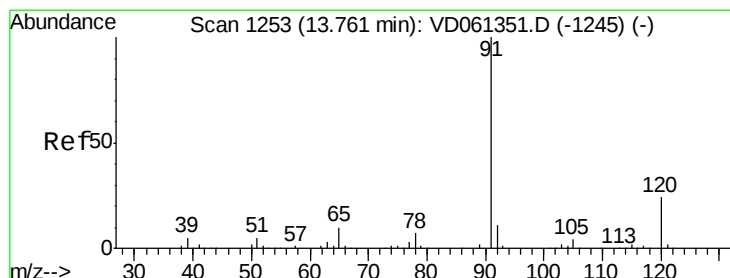
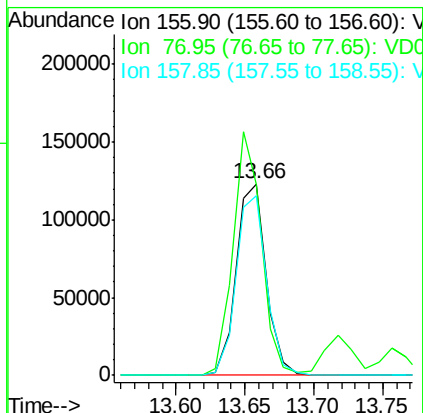
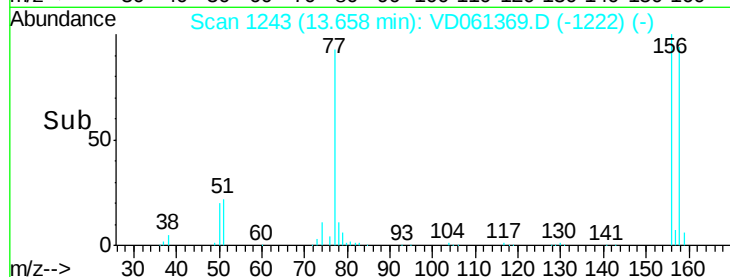
158 93.6 49.1 147.3



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: 18.512 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD061369.D

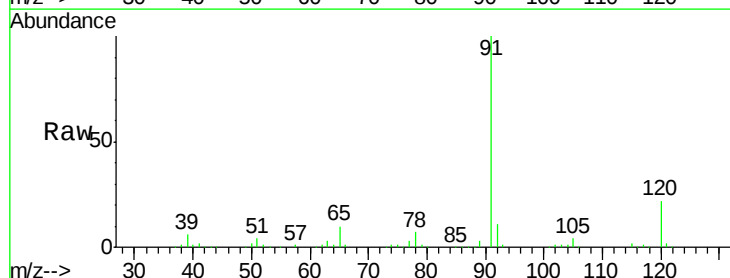
Acq: 28 Mar 2019 00:51

Tgt Ion: 91 Resp: 676987

Ion Ratio Lower Upper

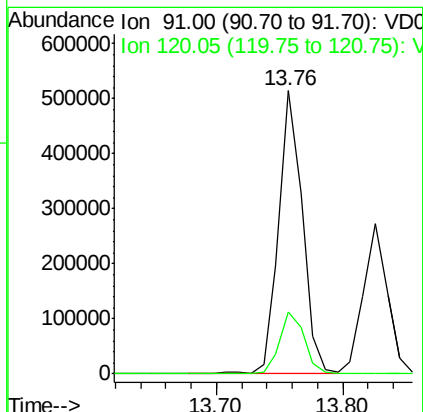
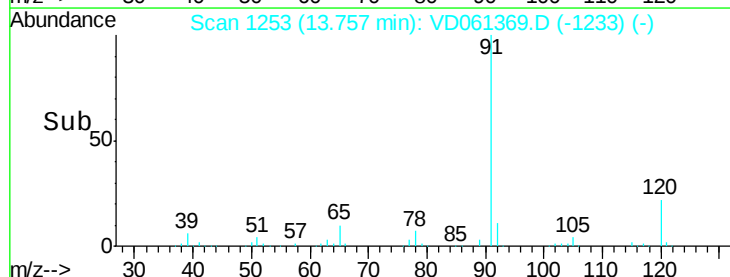
91 100

120 22.0 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: 18.180 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

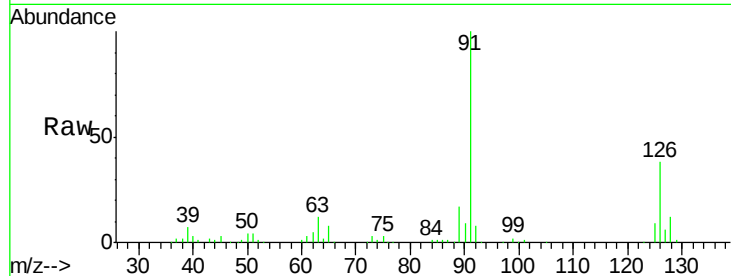
VD0327SBS02

Tot Ion: 91 Resp: 360991

Ion Ratio Lower Upper

91 100

126 38.4 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) (-)

600000

500000

400000

300000

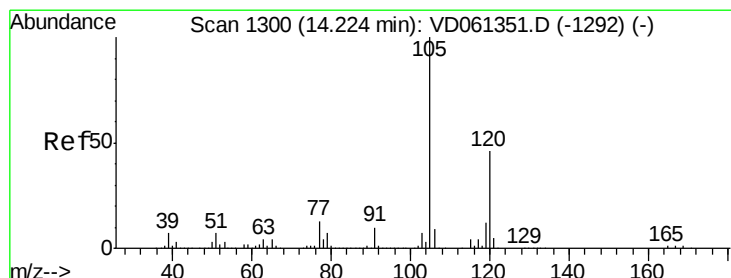
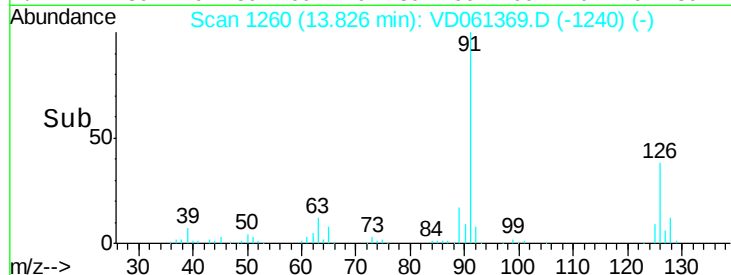
200000

100000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 16.289 ug/l

RT: 14.22 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VD061369.D

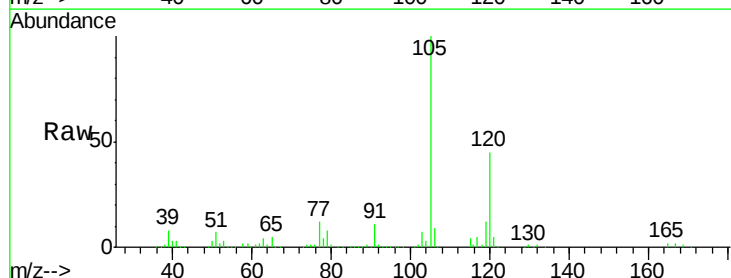
Acq: 28 Mar 2019 00:51

Tgt Ion:105 Resp: 408888

Ion Ratio Lower Upper

105 100

120 45.1 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1292) (-)

500000

400000

300000

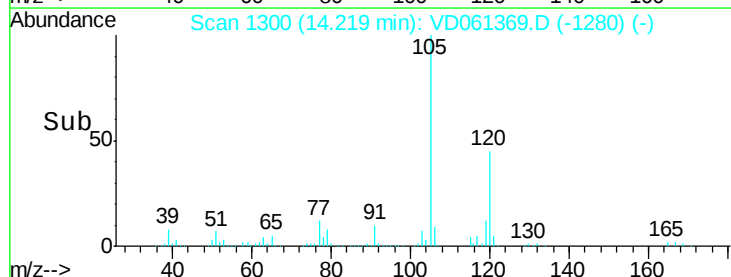
200000

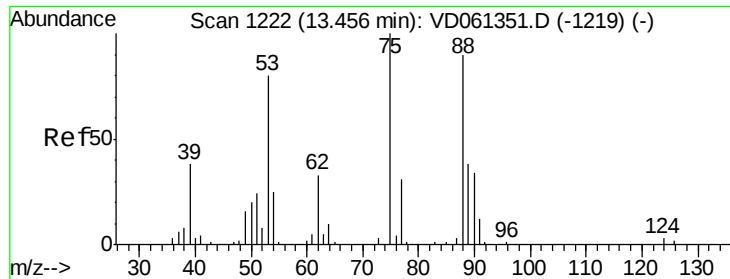
100000

0

14.10 14.20 14.30

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.265 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

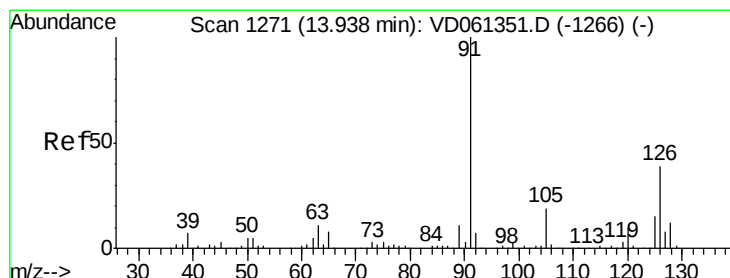
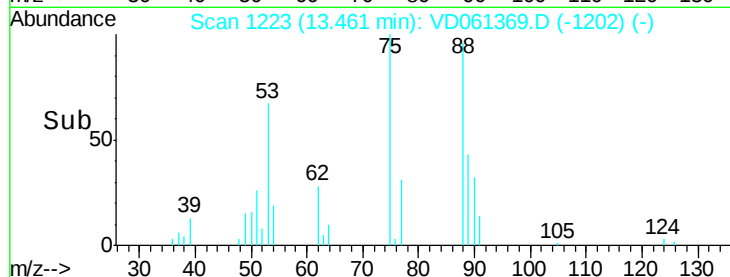
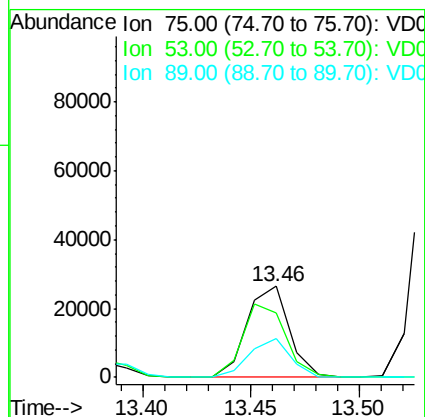
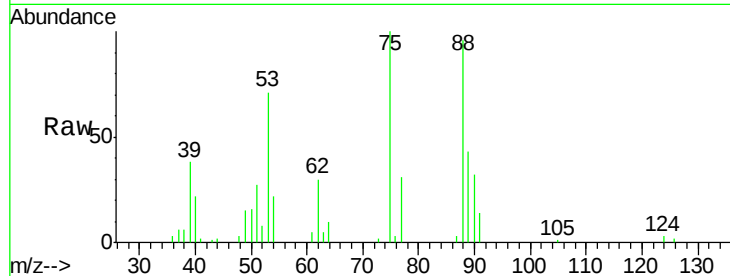
Tot Ion: 75 Resp: 36432

Ion Ratio Lower Upper

75 100

53 71.0 63.8 95.8

89 42.8 30.5 45.7



#82

4-Chlorotoluene

Concen: 21.594 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD061369.D

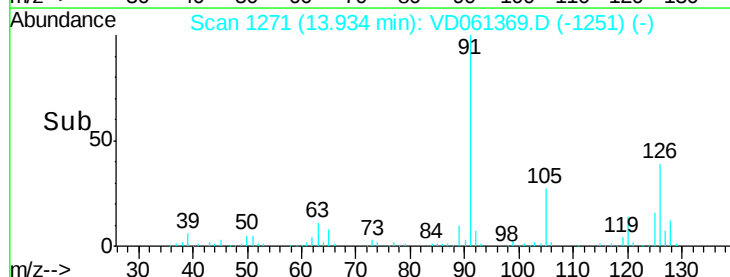
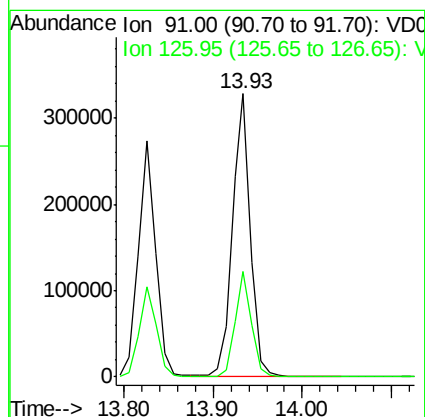
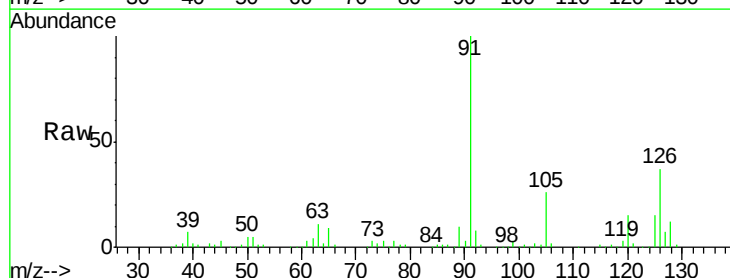
Acq: 28 Mar 2019 00:51

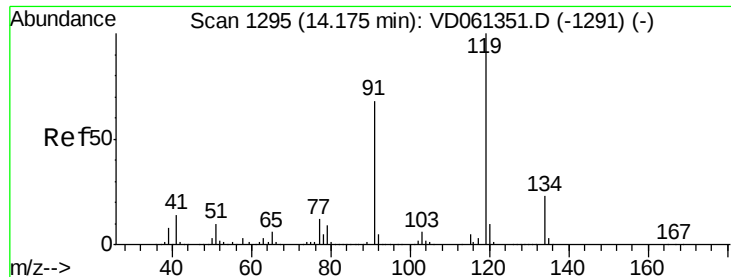
Tgt Ion: 91 Resp: 466241

Ion Ratio Lower Upper

91 100

126 37.1 19.6 58.8





#83

tert-Butylbenzene

Concen: 18.683 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. 0.01 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

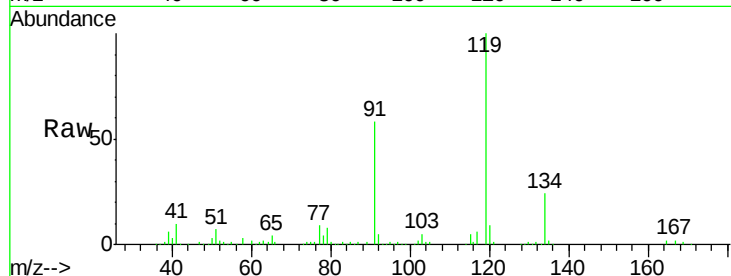
Tot Ion:119 Resp: 541365

Ion Ratio Lower Upper

119 100

91 58.3 34.1 102.3

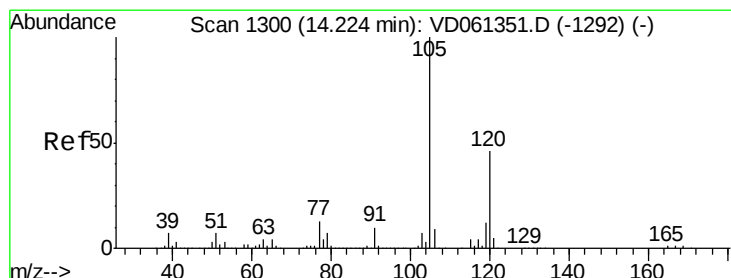
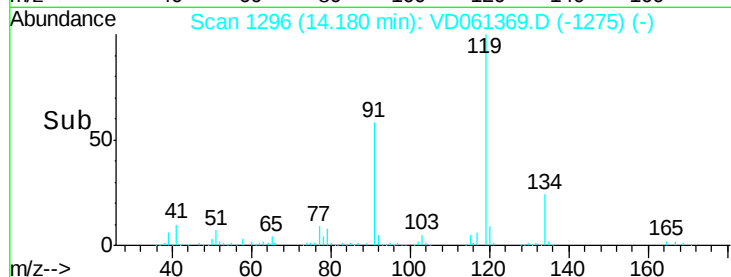
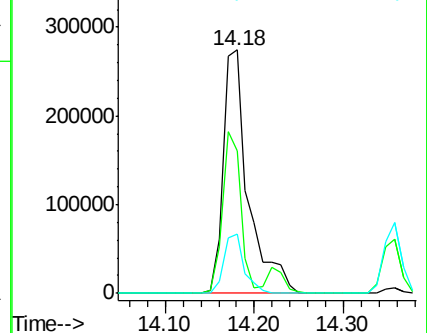
134 24.5 11.6 34.8



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: 16.289 ug/l

RT: 14.22 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VD061369.D

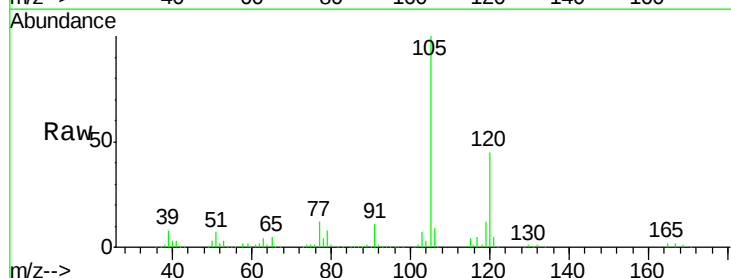
Acq: 28 Mar 2019 00:51

Tgt Ion:105 Resp: 408888

Ion Ratio Lower Upper

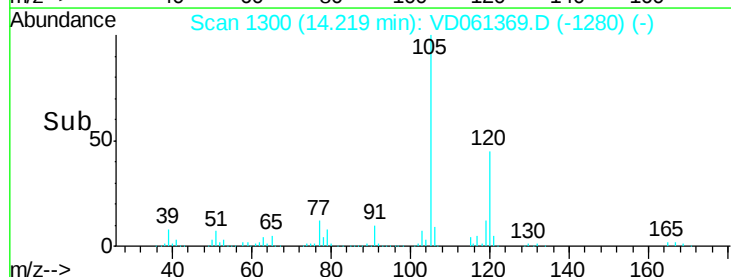
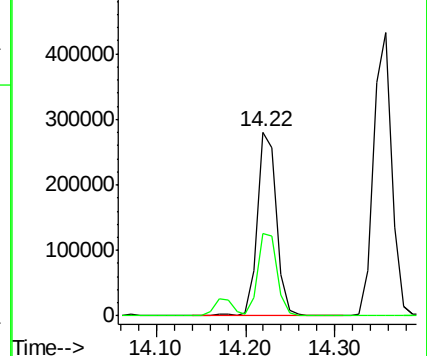
105 100

120 45.1 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: 19.479 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleID :

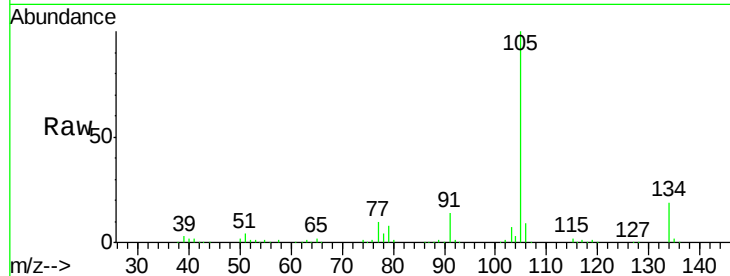
VD0327SBS02

Tot Ion:105 Resp: 599622

Ion Ratio Lower Upper

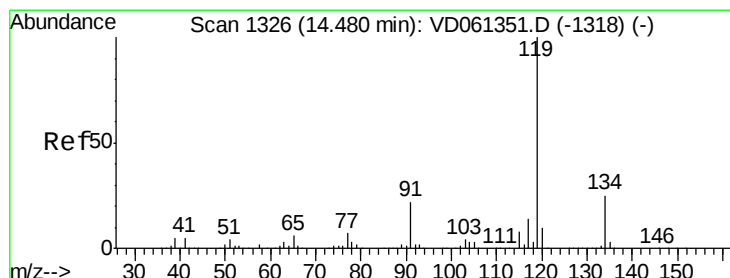
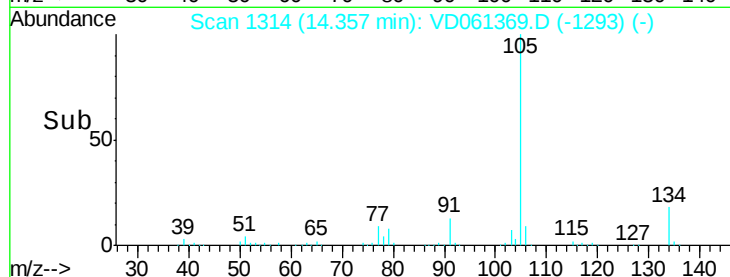
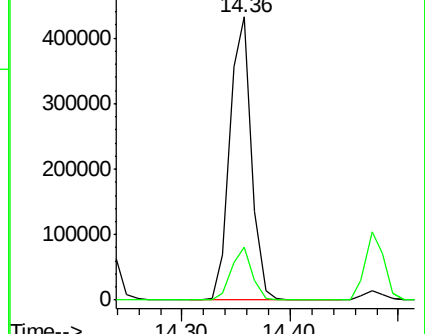
105 100

134 18.6 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.826 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

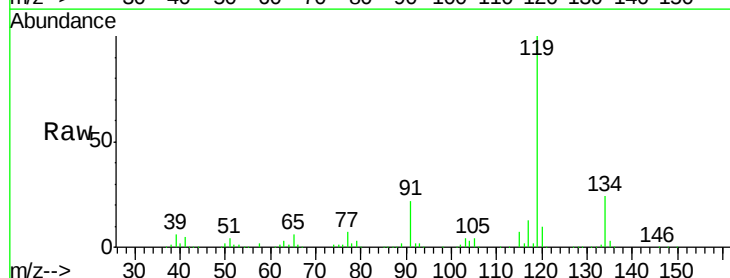
Tgt Ion:119 Resp: 542107

Ion Ratio Lower Upper

119 100

134 24.3 12.3 36.8

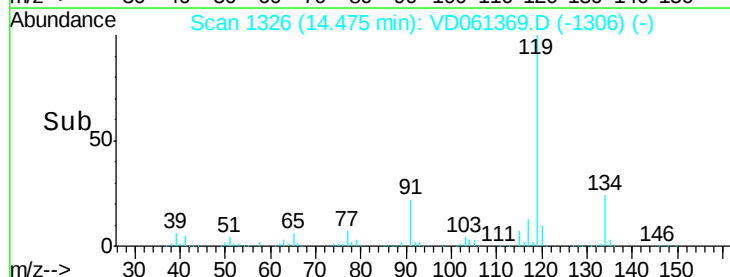
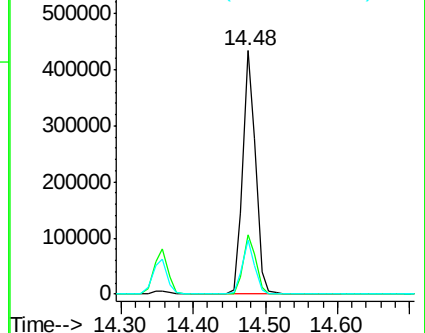
91 22.2 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

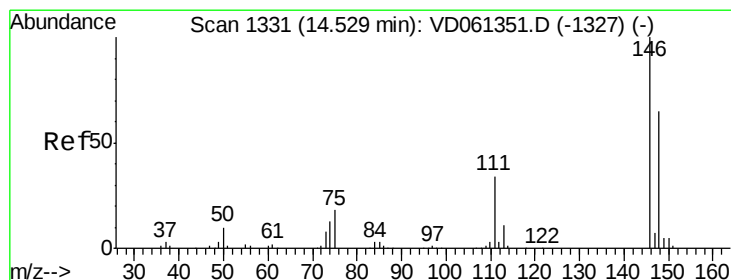
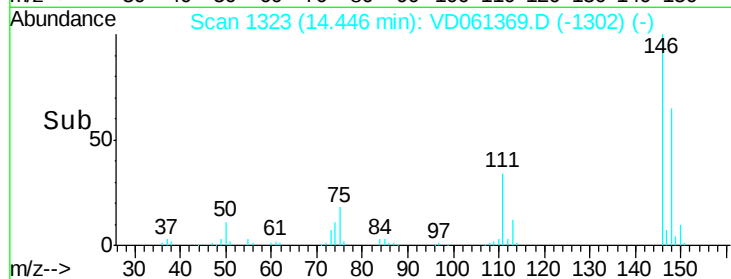
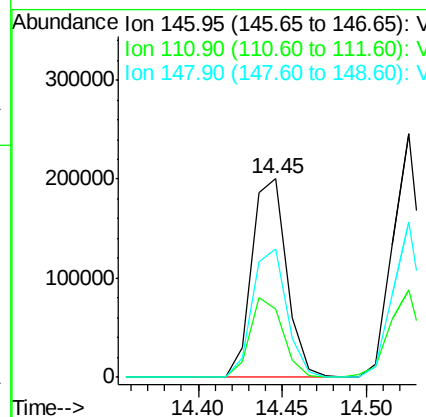
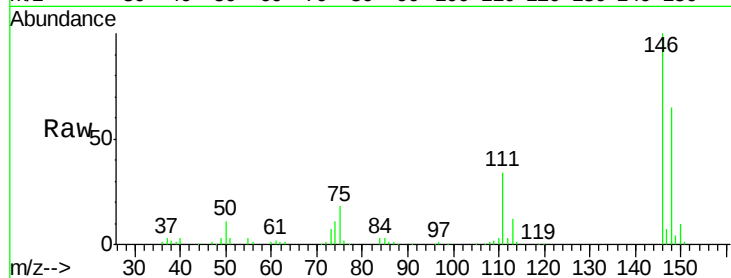




#87
 1,3-Dichlorobenzene
 Concen: 19.272 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

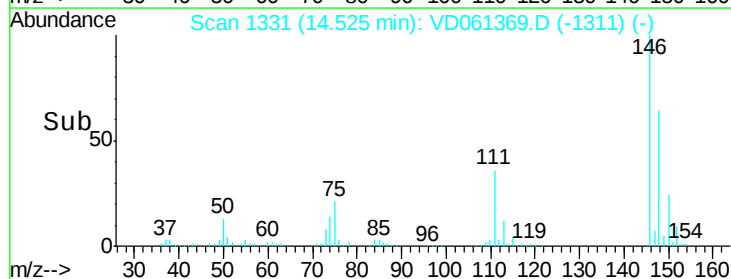
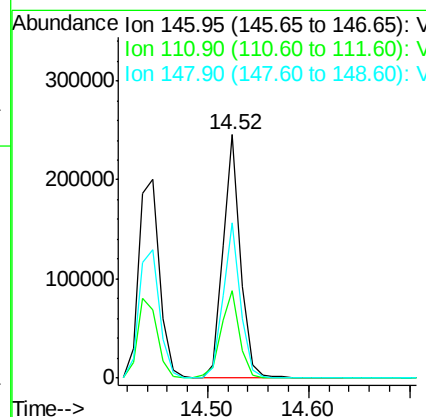
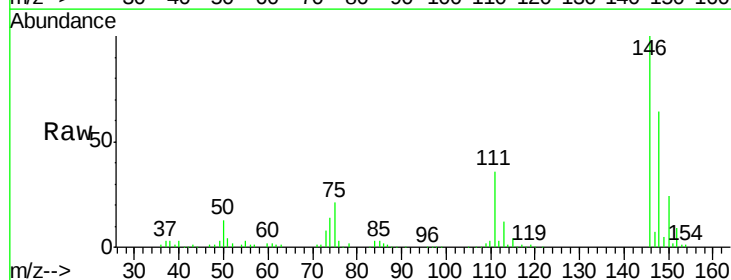
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS02

Tot Ion:146 Resp: 289117
 Ion Ratio Lower Upper
 146 100
 111 34.4 20.6 61.9
 148 64.8 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 20.446 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

Tgt Ion:146 Resp: 299125
 Ion Ratio Lower Upper
 146 100
 111 36.0 16.8 50.4
 148 63.9 32.6 98.0





#89

n-Butylbenzene

Concen: 18.504 ug/l

RT: 14.78 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VD061369.D

Acq: 28 Mar 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

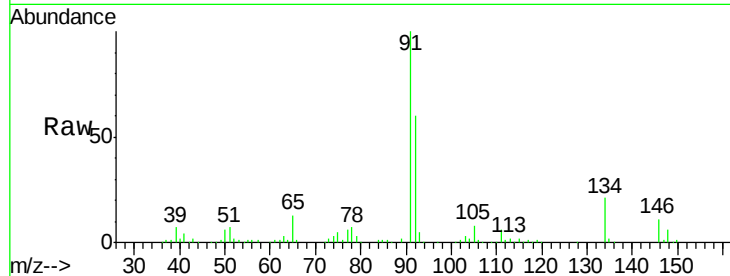
Tot Ion: 91 Resp: 442077

Ion Ratio Lower Upper

91 100

92 59.6 30.3 91.0

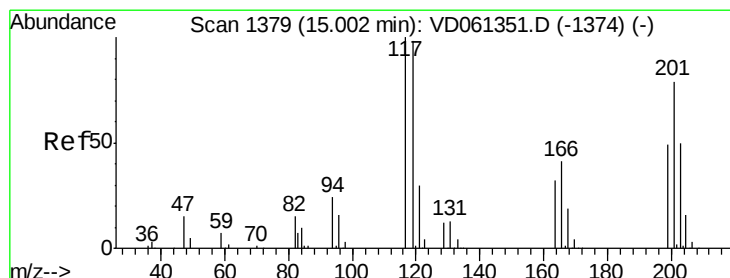
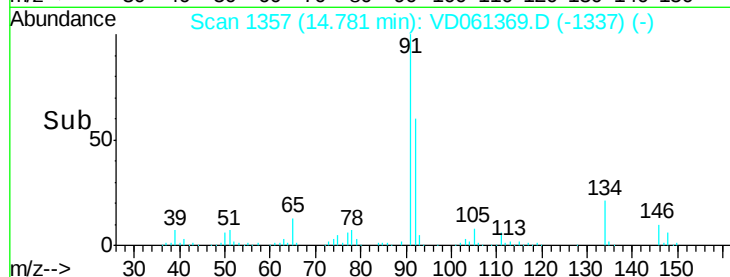
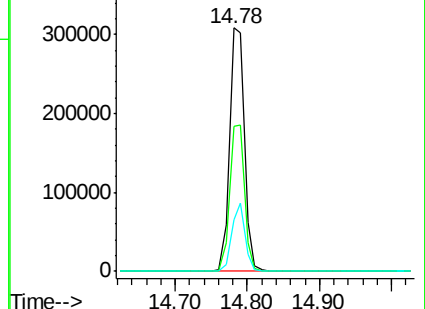
134 21.2 12.4 37.0



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: 18.649 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD061369.D

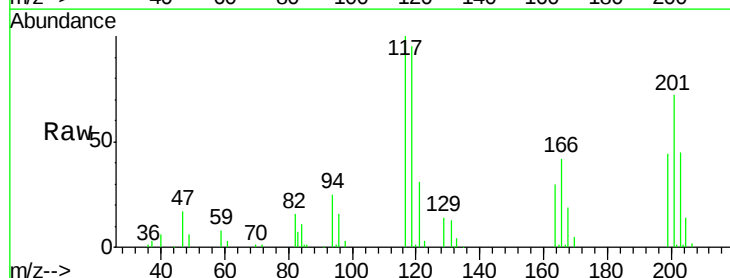
Acq: 28 Mar 2019 00:51

Tgt Ion: 117 Resp: 137137

Ion Ratio Lower Upper

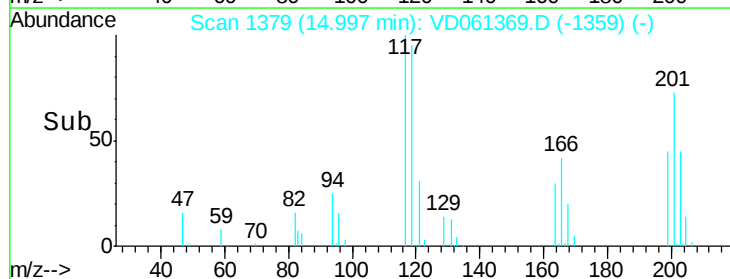
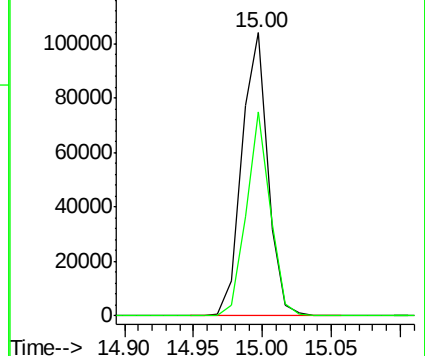
117 100

201 72.2 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

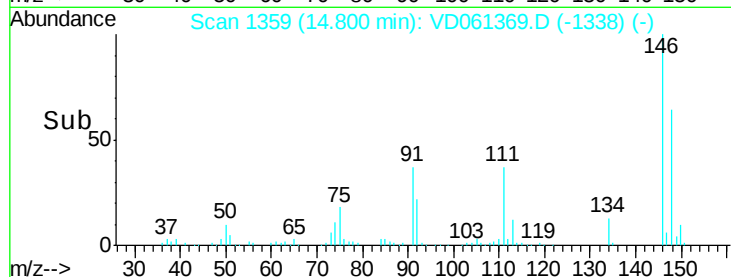
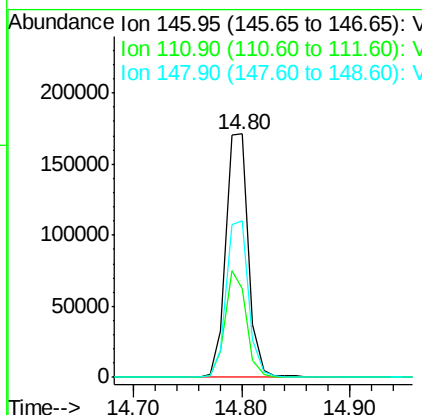
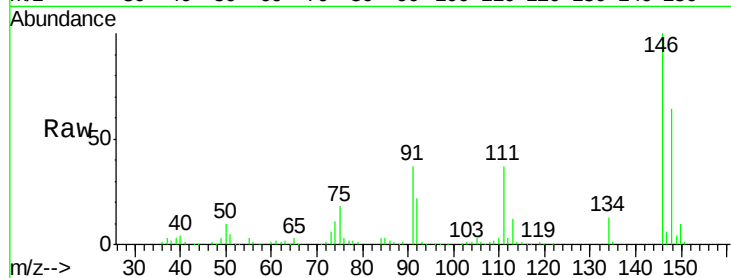




#91
 1,2-Dichlorobenzene
 Concen: 20.294 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

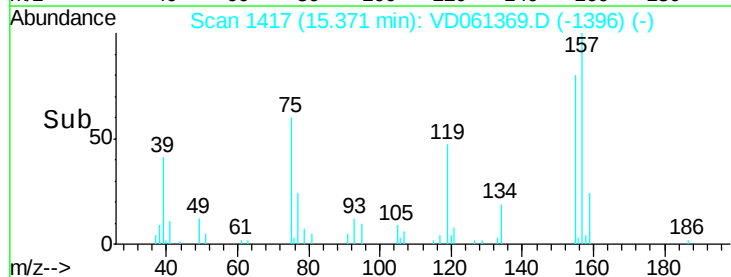
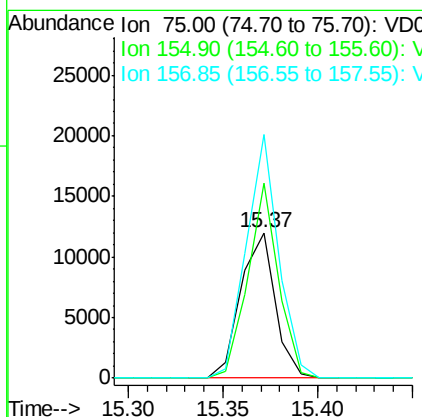
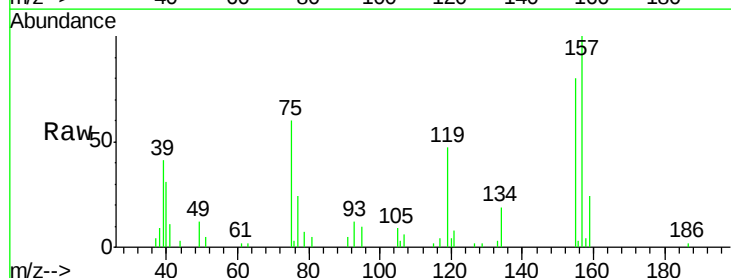
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS02

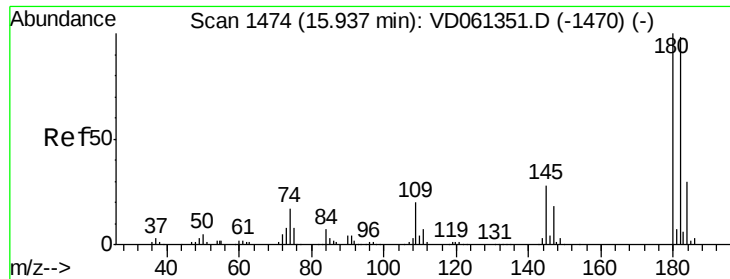
Tot Ion:146 Resp: 249730
 Ion Ratio Lower Upper
 146 100
 111 36.6 21.2 63.6
 148 64.2 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.378 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

Tgt Ion: 75 Resp: 15067
 Ion Ratio Lower Upper
 75 100
 155 134.3 43.6 130.9#
 157 167.9 58.5 175.3

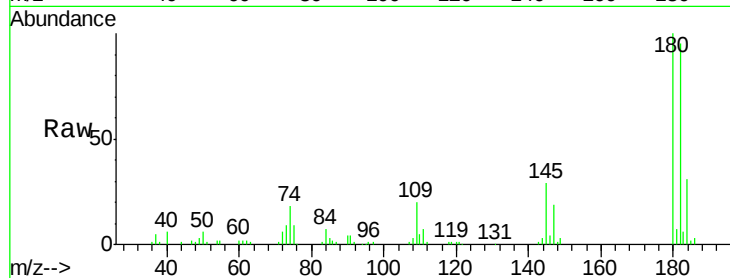




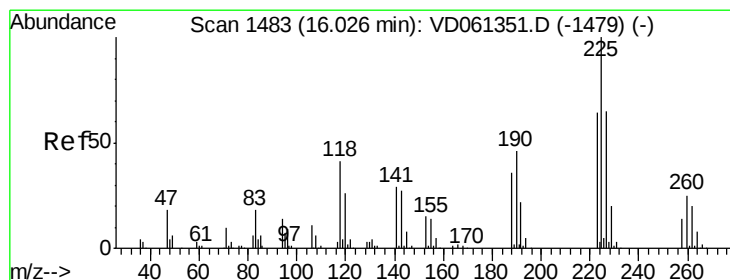
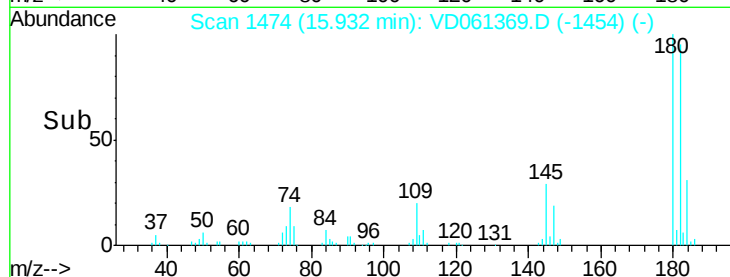
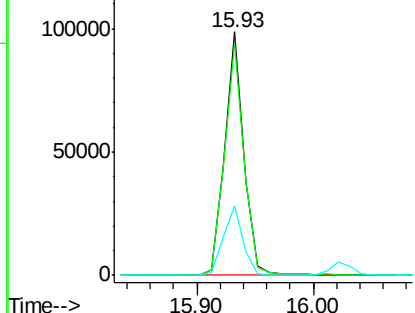
#93
 1,2,4-Trichlorobenzene
 Concen: 19.969 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS02

Tot Ion:180 Resp: 111937
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.9 146.8
 145 28.5 14.1 42.3

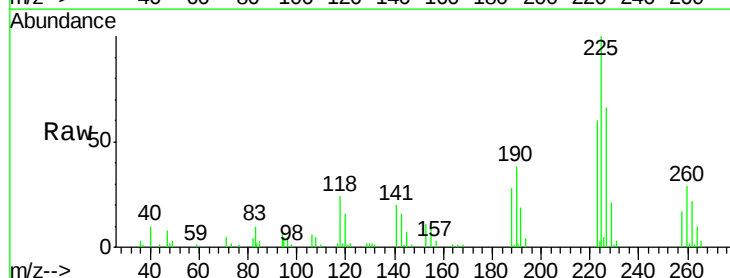


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

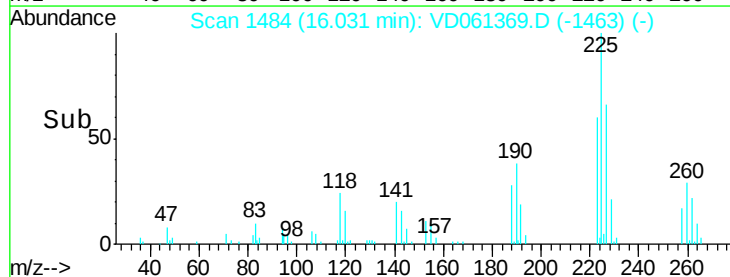
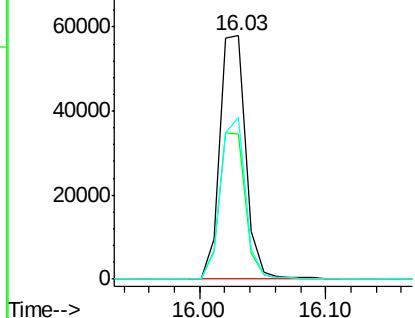


#94
 Hexachlorobutadiene
 Concen: 18.831 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061369.D
 Acq: 28 Mar 2019 00:51

Tgt Ion:225 Resp: 82488
 Ion Ratio Lower Upper
 225 100
 223 59.6 32.0 96.0
 227 66.3 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

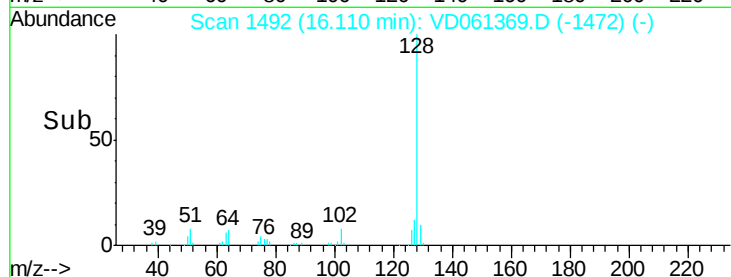
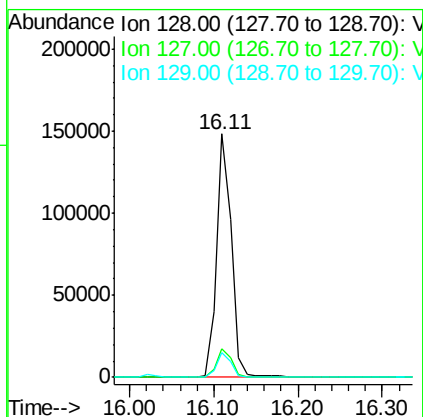
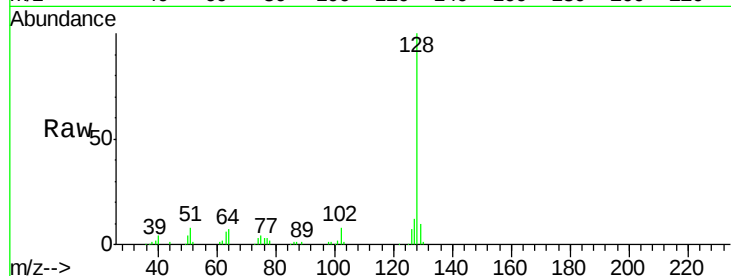




#95
Naphthalene
Concen: 21.157 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS02

Tot Ion:128 Resp: 180775
Ion Ratio Lower Upper
128 100
127 11.8 9.9 14.9
129 10.4 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 25.094 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD061369.D
Acq: 28 Mar 2019 00:51

Tgt Ion:180 Resp: 61901
Ion Ratio Lower Upper
180 100
182 90.5 46.4 139.1
145 31.3 15.3 45.9

