

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040519\
 Data File : VD061626.D
 Acq On : 5 Apr 2019 17:40
 Operator : VA/AP
 Sample : VD0405SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 06 00:27:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	468273	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	800165	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.35	117	682710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	320643	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	251324	62.83	ug/l	0.00
Spiked Amount			Recovery	=	125.66%	
35) Dibromofluoromethane	6.91	113	362502	59.28	ug/l	0.01
Spiked Amount			Recovery	=	118.56%	
50) Toluene-d8	10.40	98	798483	54.45	ug/l	0.01
Spiked Amount			Recovery	=	108.90%	
62) 4-Bromofluorobenzene	13.55	95	340799	60.60	ug/l	0.00
Spiked Amount			Recovery	=	121.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	112789	22.554	ug/l	98
3) Chloromethane	1.75	50	96879	23.753	ug/l	99
4) Vinyl Chloride	1.85	62	88905	23.741	ug/l	96
5) Bromomethane	2.15	94	17775	23.937	ug/l	94
6) Chloroethane	2.25	64	24238	22.071	ug/l #	85
7) Trichlorofluoromethane	2.52	101	141920	26.062	ug/l	99
8) Diethyl Ether	2.86	74	40003	22.816	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	140347	23.973	ug/l	97
10) Methyl Iodide	3.30	142	165435	20.766	ug/l	98
11) Tert butyl alcohol	4.05	59	31061	124.684	ug/l	99
12) 1,1-Dichloroethene	3.12	96	121630	24.199	ug/l	94
13) Acrolein	3.01	56	14763	60.401	ug/l	98
14) Allyl chloride	3.60	41	153976	21.964	ug/l	94
15) Acrylonitrile	4.18	53	102530	118.581	ug/l	98
16) Acetone	3.21	43	124470	121.043	ug/l	97
17) Carbon Disulfide	3.37	76	344601	21.102	ug/l	100
18) Methyl Acetate	3.62	43	57785	26.727	ug/l	98
19) Methyl tert-butyl Ether	4.22	73	212437	24.417	ug/l	98
20) Methylene Chloride	3.80	84	140607	23.387	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	124968	23.029	ug/l	95
22) Diisopropyl ether	5.10	45	357580	24.103	ug/l	100
23) Vinyl Acetate	5.03	43	954119	118.400	ug/l	97
24) 1,1-Dichloroethane	4.96	63	212286	24.349	ug/l	99
25) 2-Butanone	6.04	43	160512	124.089	ug/l	99
26) 2,2-Dichloropropane	6.01	77	173678	25.059	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	145089	24.403	ug/l	93
28) Bromochloromethane	6.41	49	79676	22.639	ug/l	86
29) Tetrahydrofuran	6.43	42	75142	119.850	ug/l	99
30) Chloroform	6.64	83	237581	26.373	ug/l	99
31) Cyclohexane	6.94	56	150565	21.854	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	195000	24.536	ug/l	98
36) 1,1-Dichloropropene	7.13	75	172470	24.696	ug/l	97
37) Ethyl Acetate	6.16	43	71757	24.025	ug/l	98
38) Carbon Tetrachloride	7.09	117	195446	24.355	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	161303	22.177	ug/l	98
40) Benzene	7.43	78	418680	23.888	ug/l	96
41) Methacrylonitrile	6.42	41	87420	25.033	ug/l #	92
42) 1,2-Dichloroethane	7.56	62	140604	26.819	ug/l	96
43) Isopropyl Acetate	9.21	43	100776	23.190	ug/l	97
44) Trichloroethene	8.53	130	149775	22.962	ug/l	97
45) 1,2-Dichloropropane	8.92	63	102509	23.065	ug/l	99
46) Dibromomethane	9.05	93	78116	26.114	ug/l	97
47) Bromodichloromethane	9.35	83	158585	23.620	ug/l	99
48) Methyl methacrylate	9.11	41	59504	24.811	ug/l	97
49) 1,4-Dioxane	9.06	88	12420	469.510	ug/l	96
51) 4-Methyl-2-Pentanone	10.28	43	322842	122.110	ug/l	96
52) Toluene	10.49	92	281477	26.324	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	151637	24.858	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	165798	22.321	ug/l	98
55) 1,1,2-Trichloroethane	11.17	97	89041	23.811	ug/l	96
56) Ethyl methacrylate	11.03	69	103650	25.801	ug/l	98
57) 1,3-Dichloropropane	11.39	76	141054	25.663	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	269554	137.783	ug/l	95
59) 2-Hexanone	11.52	43	251190	131.132	ug/l	99
60) Dibromochloromethane	11.67	129	146267	25.372	ug/l	98
61) 1,2-Dibromoethane	11.79	107	108294	25.009	ug/l	94
64) Tetrachloroethene	11.24	164	122893	22.936	ug/l	97
65) Chlorobenzene	12.38	112	340970	24.438	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	134944	24.979	ug/l	98
67) Ethyl Benzene	12.51	91	540028	25.358	ug/l	96
68) m/p-Xylenes	12.66	106	400820	49.685	ug/l	93
69) o-Xylene	13.03	106	169103	21.601	ug/l	92
70) Styrene	13.06	104	297760	21.819	ug/l	98
71) Bromoform	13.22	173	83514	24.387	ug/l #	96
73) Isopropylbenzene	13.39	105	567112	25.412	ug/l	97
74) N-amyl acetate	13.25	43	128138	20.612	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	105727	22.459	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	103632	22.374	ug/l	99
77) Bromobenzene	13.66	156	144082	21.778	ug/l	82
78) n-propylbenzene	13.76	91	581874	21.306	ug/l	94
79) 2-Chlorotoluene	13.83	91	344253	23.215	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	423646	24.467	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.47	75	32717	23.167	ug/l	96
82) 4-Chlorotoluene	13.94	91	404475	25.086	ug/l	96
83) tert-Butylbenzene	14.18	119	484844	22.406	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	443374	23.652	ug/l	98
85) sec-Butylbenzene	14.35	105	506442	22.031	ug/l	97
86) p-Isopropyltoluene	14.48	119	436244	22.442	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	257476	22.982	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	247464	22.650	ug/l	99
89) n-Butylbenzene	14.79	91	406596	22.789	ug/l	98
90) Hexachloroethane	15.00	117	113431	20.655	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	222623	24.226	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12455	22.558	ug/l #	57

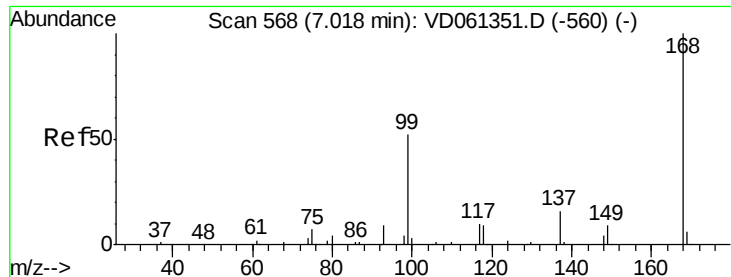
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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	94937	22.679	ug/l	98
94) Hexachlorobutadiene	16.03	225	69855	21.355	ug/l	97
95) Naphthalene	16.12	128	172592	27.049	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	49933	27.107	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

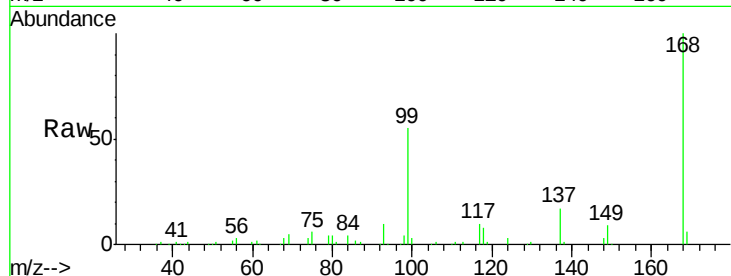
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 468273

Ion Ratio Lower Upper

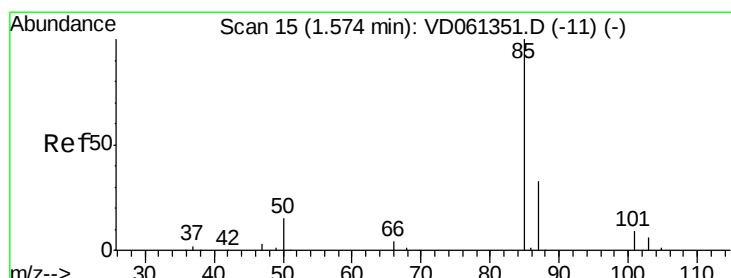
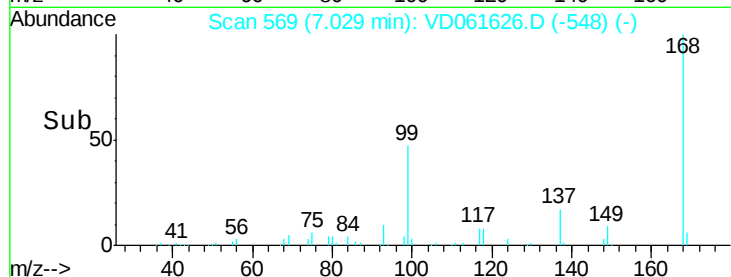
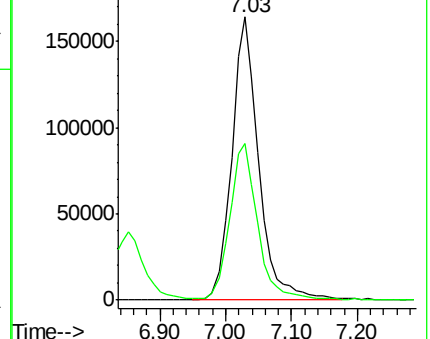
168 100

99 55.1 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: 22.554 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD061626.D

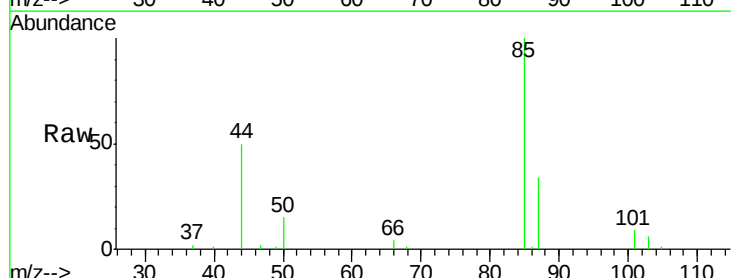
Acq: 5 Apr 2019 17:40

Tgt Ion: 85 Resp: 112789

Ion Ratio Lower Upper

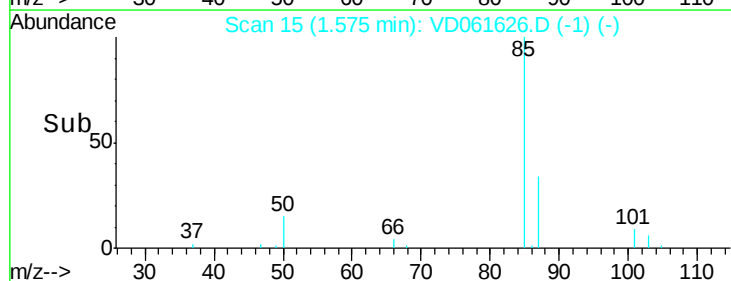
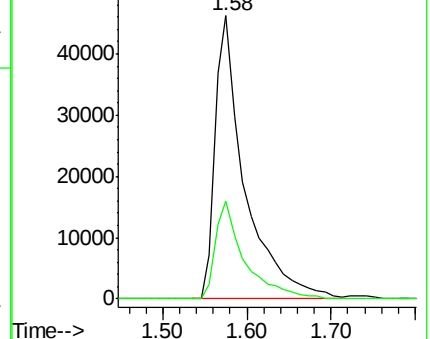
85 100

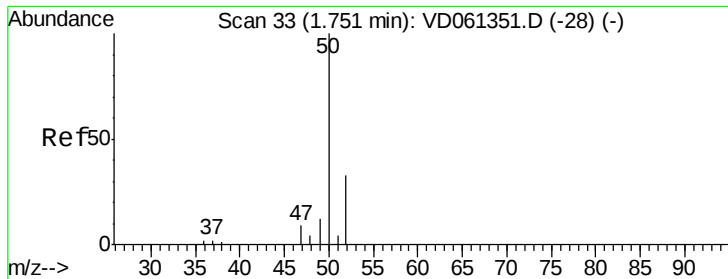
87 34.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.753 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

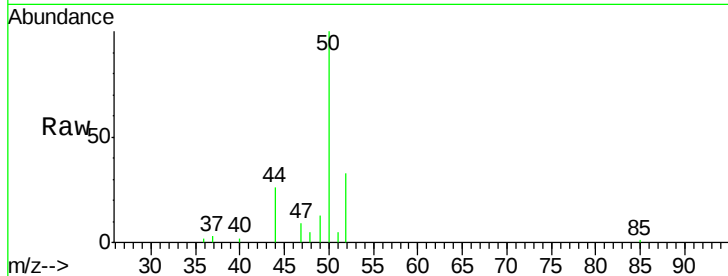
ClientSampleId :

Tot Ion: 50 Resp: 96879

Ion Ratio Lower Upper

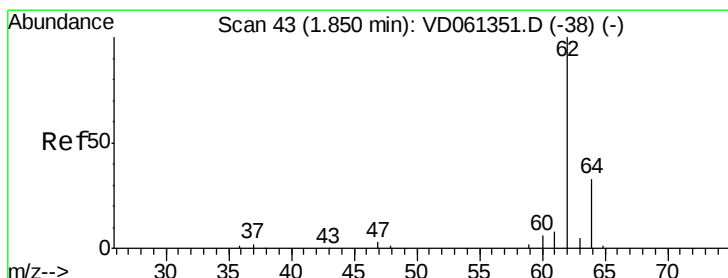
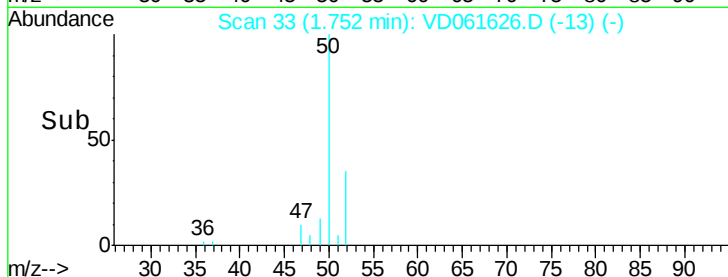
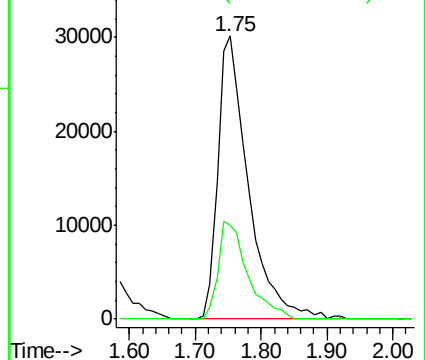
50 100

52 33.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.741 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD061626.D

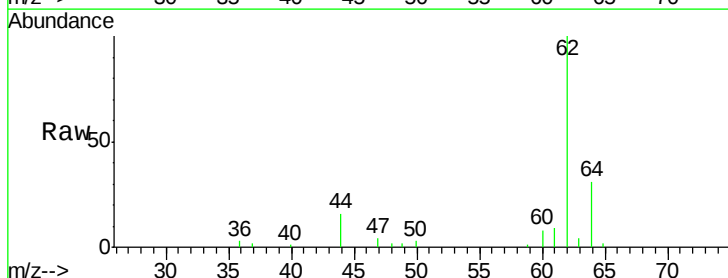
Acq: 5 Apr 2019 17:40

Tgt Ion: 62 Resp: 88905

Ion Ratio Lower Upper

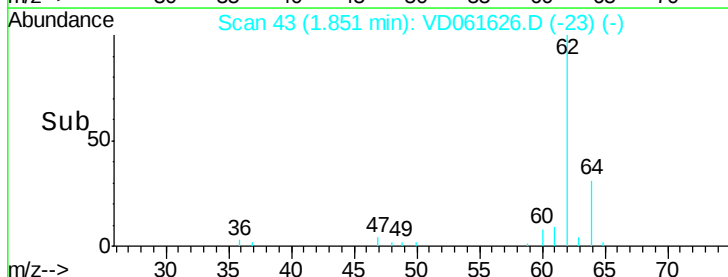
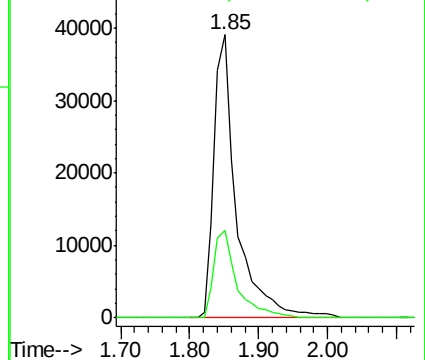
62 100

64 31.0 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 23.937 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

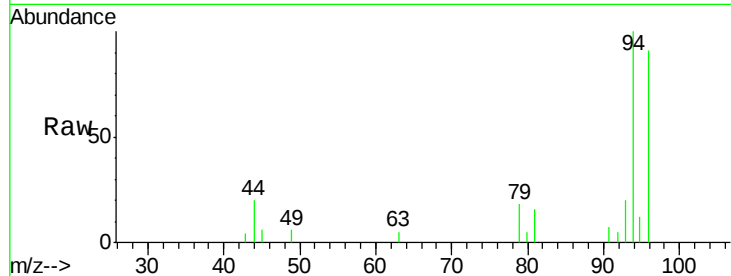
Tot Ion: 94 Resp: 17775

Ion Ratio Lower Upper

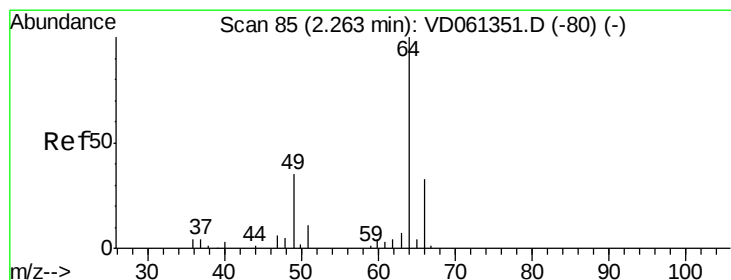
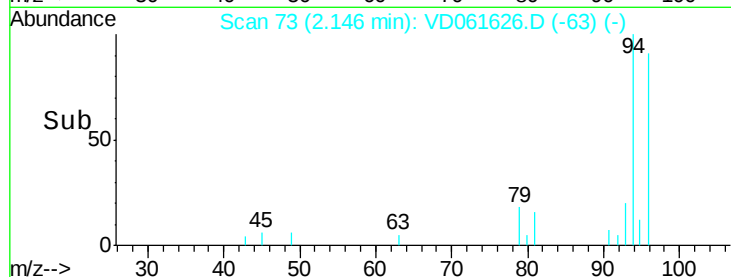
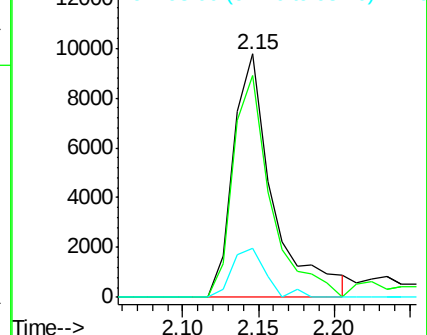
94 100

96 91.0 78.3 117.5

93 20.1 15.6 23.4



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



#6

Chloroethane

Concen: 22.071 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD061626.D

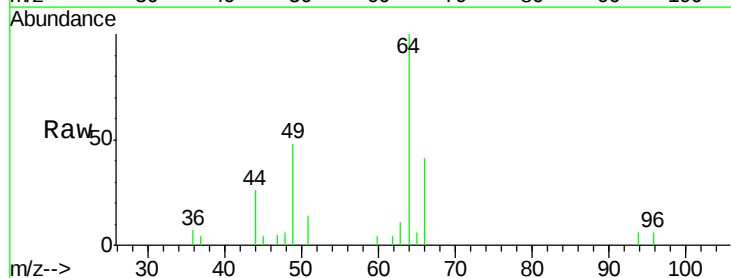
Acq: 5 Apr 2019 17:40

Tgt Ion: 64 Resp: 24238

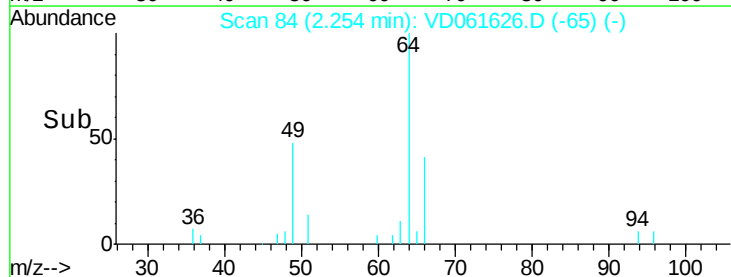
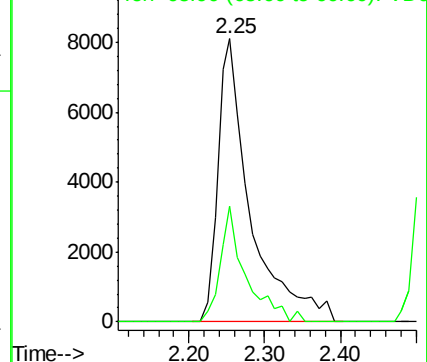
Ion Ratio Lower Upper

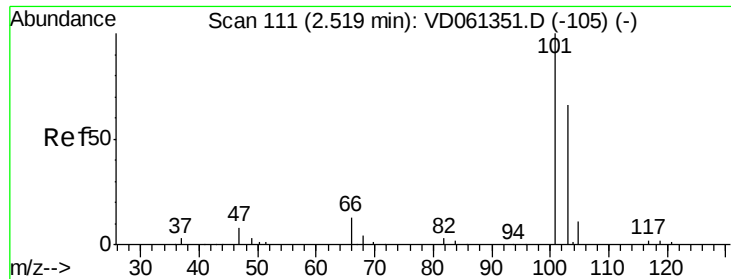
64 100

66 40.9 26.2 39.2#



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



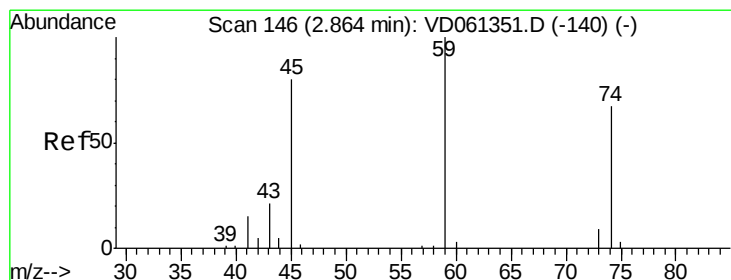
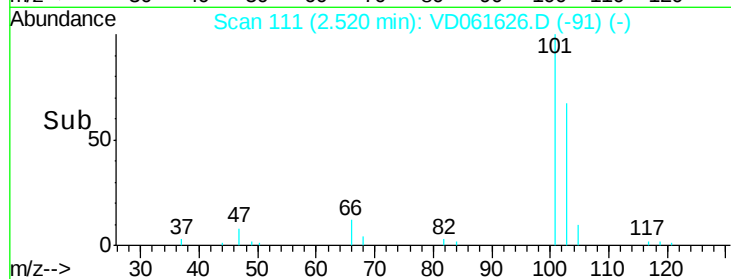
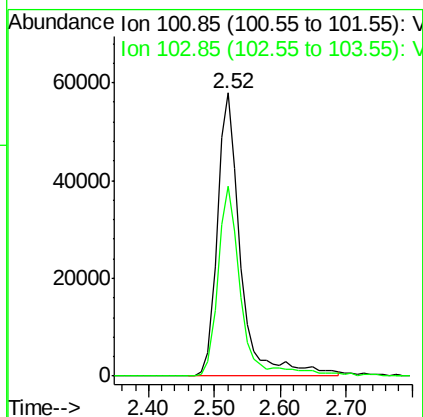
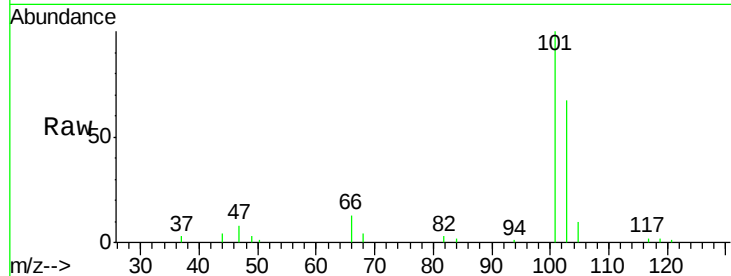


#7

Trichlorofluoromethane
Concen: 26.062 ug/l
RT: 2.52 min Scan# 111
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampled :

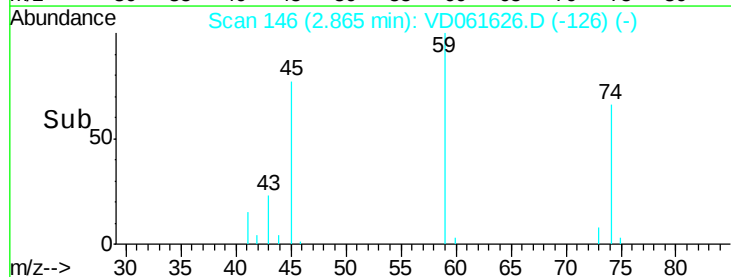
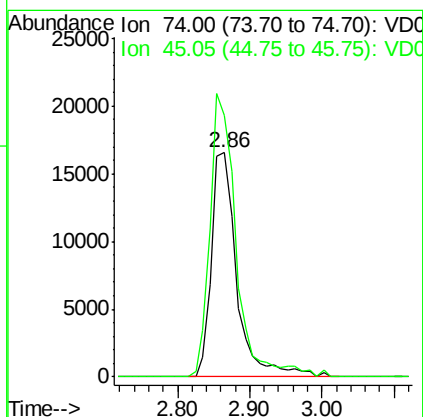
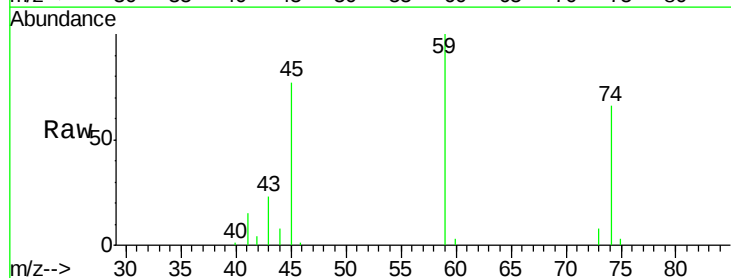
Tot Ion:101 Resp: 141920
Ion Ratio Lower Upper
101 100
103 66.9 53.1 79.7

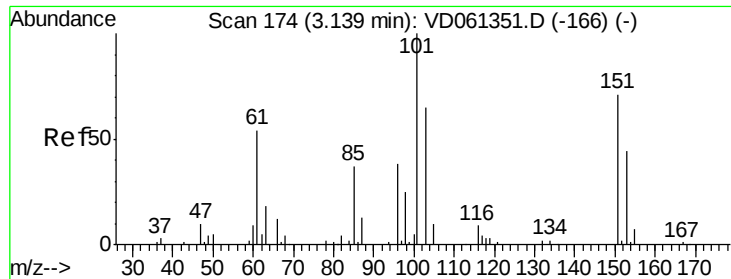


#8

Diethyl Ether
Concen: 22.816 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 74 Resp: 40003
Ion Ratio Lower Upper
74 100
45 116.8 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.973 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

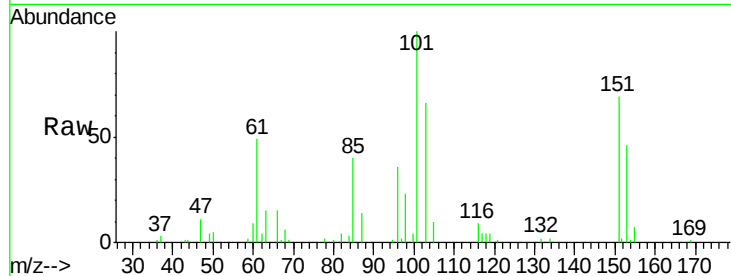
Tot Ion:101 Resp: 140347

Ion Ratio Lower Upper

101 100

85 40.0 29.4 44.0

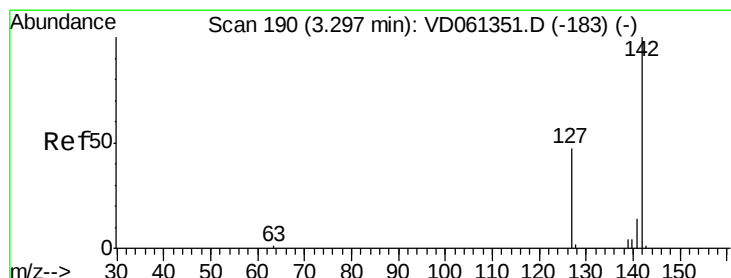
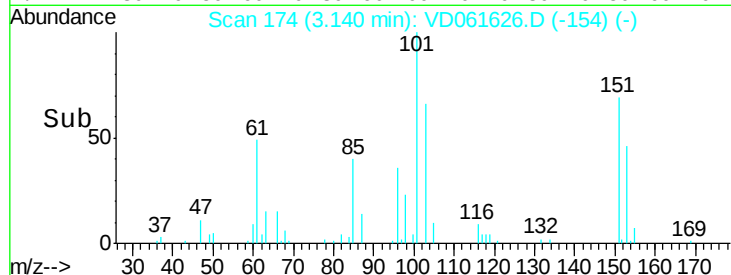
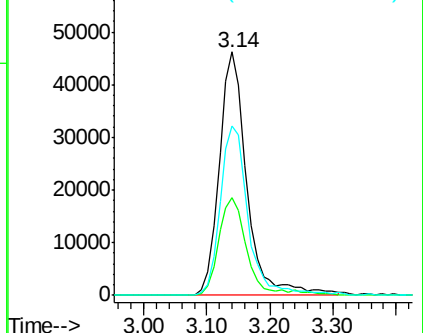
151 69.3 57.0 85.4



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: 20.766 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

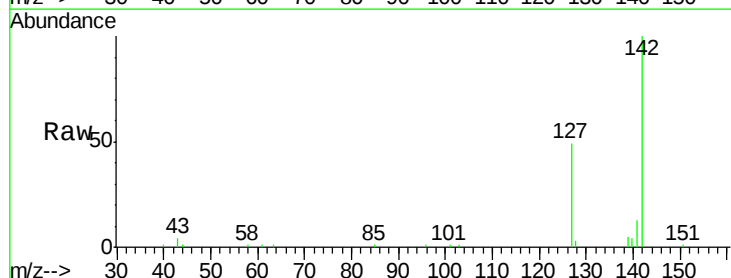
Tgt Ion:142 Resp: 165435

Ion Ratio Lower Upper

142 100

127 48.6 37.7 56.5

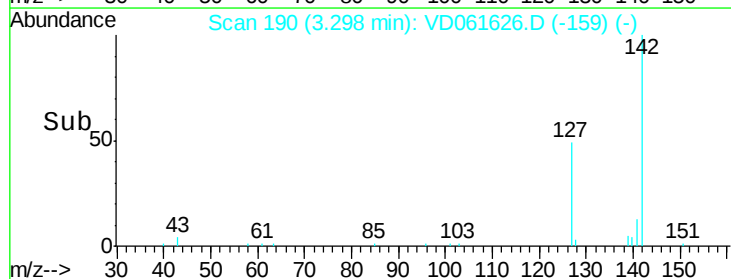
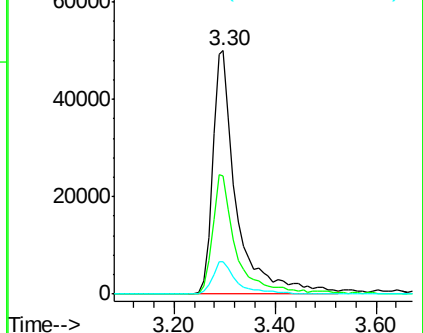
141 13.4 11.5 17.3

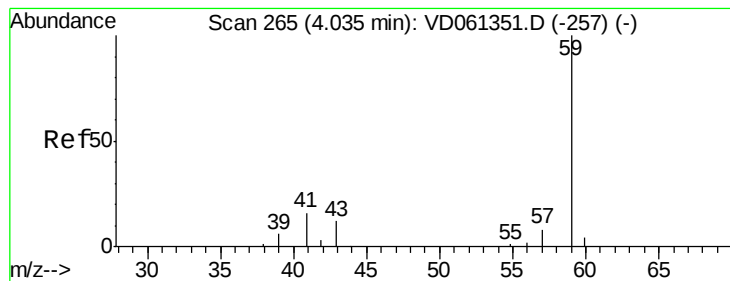


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



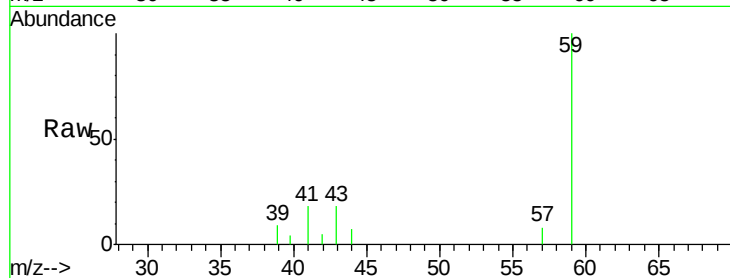


#11

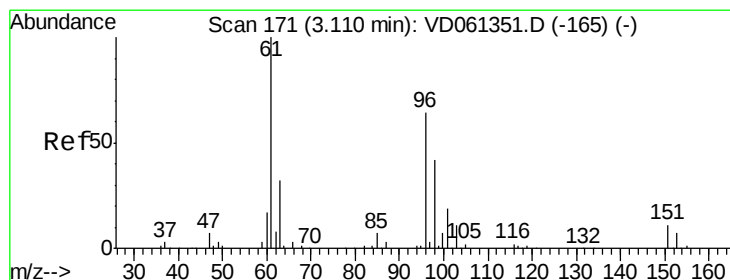
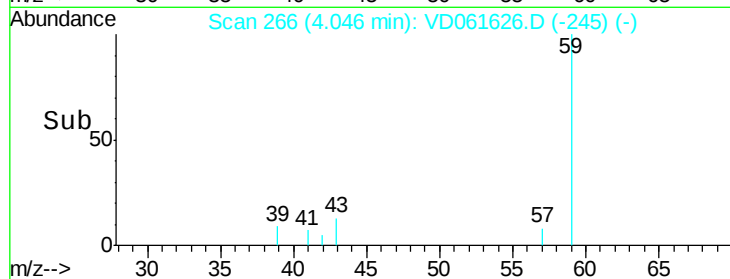
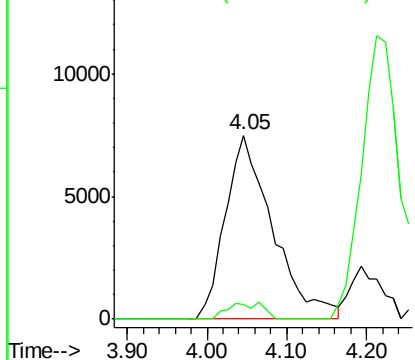
Tert butyl alcohol
 Concen: 124.684 ug/l
 RT: 4.05 min Scan# 266
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 59 Resp: 31061
 Ion Ratio Lower Upper
 59 100
 57 8.2 6.7 10.1



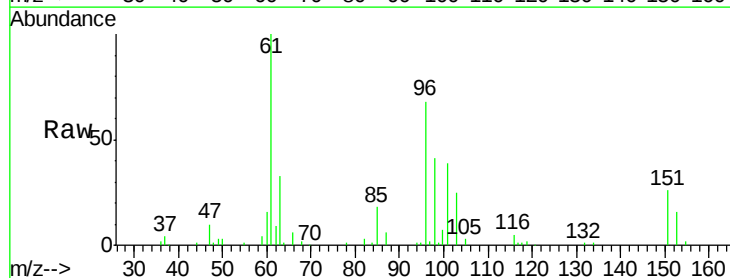
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



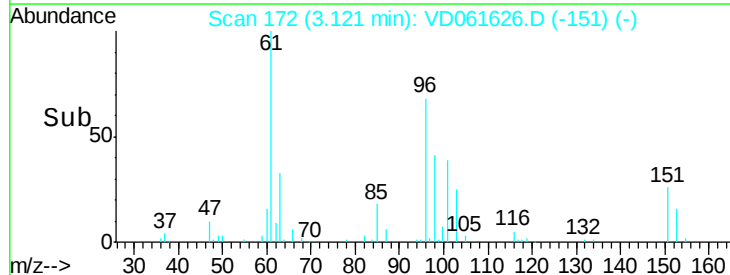
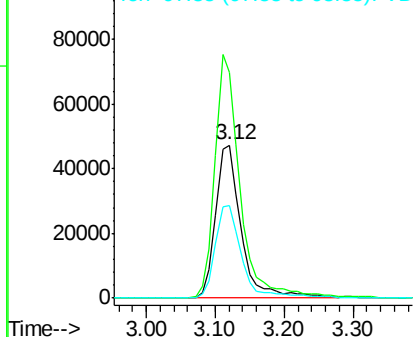
#12

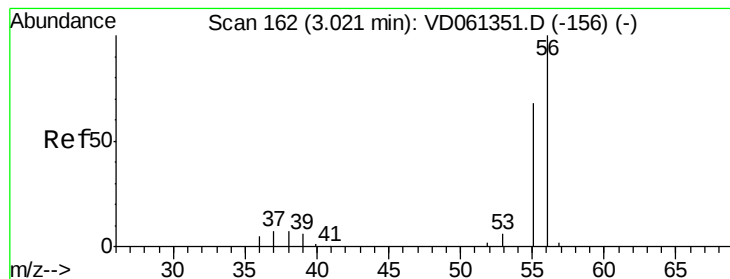
1,1-Dichloroethene
 Concen: 24.199 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion: 96 Resp: 121630
 Ion Ratio Lower Upper
 96 100
 61 147.5 124.9 187.3
 98 60.7 52.5 78.7



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





#13

Acrolein

Concen: 60.401 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

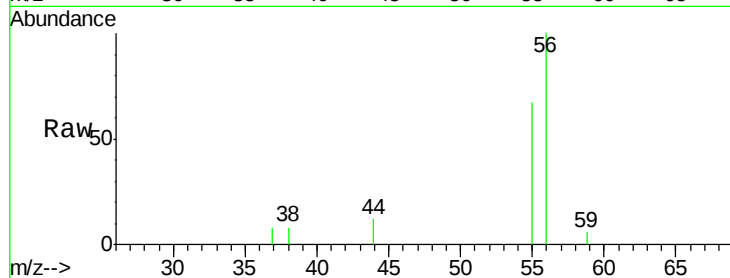
ClientSampleId :

Tot Ion: 56 Resp: 14763

Ion Ratio Lower Upper

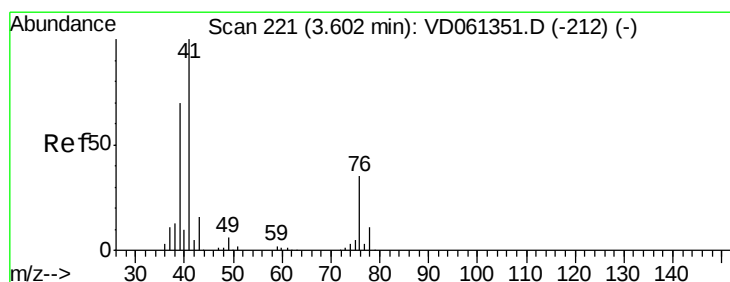
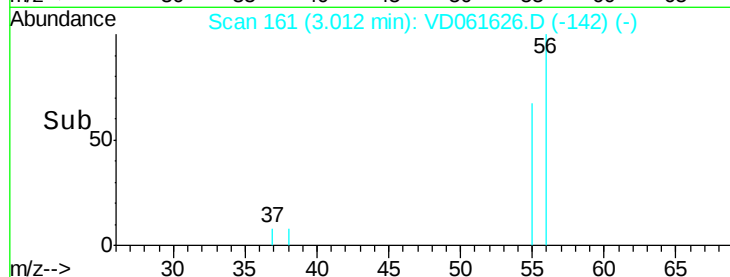
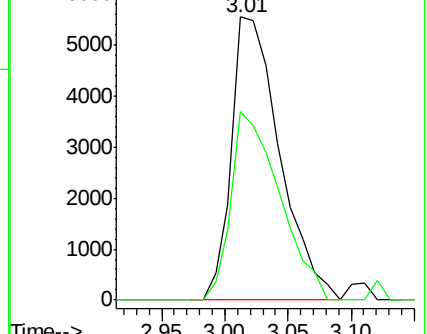
56 100

55 66.8 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.964 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

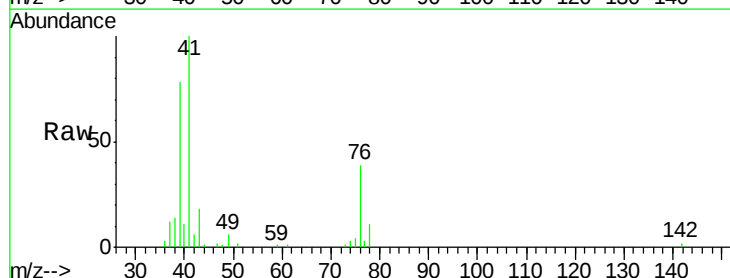
Tgt Ion: 41 Resp: 153976

Ion Ratio Lower Upper

41 100

39 77.6 55.6 83.4

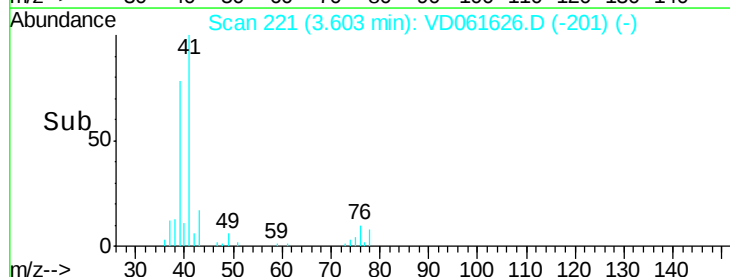
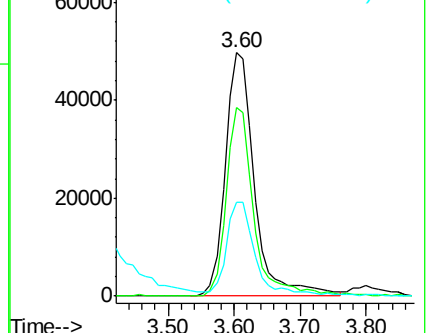
76 38.7 31.0 46.6

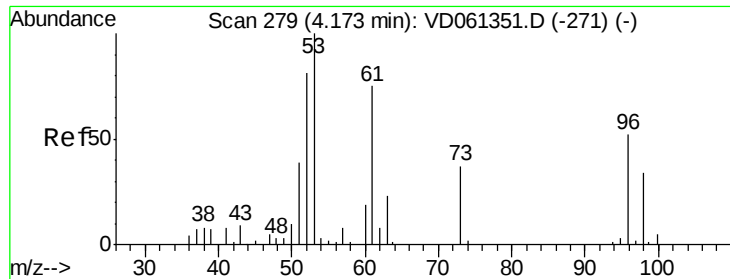


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 118.581 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampled :

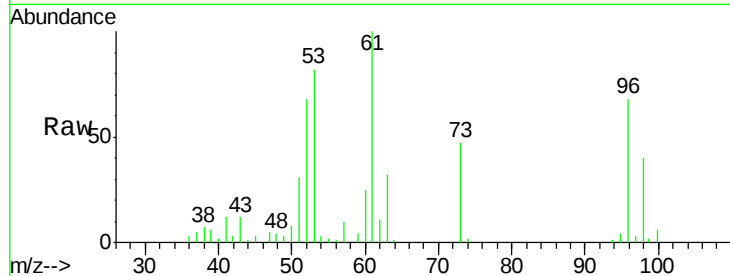
Tot Ion: 53 Resp: 102530

Ion Ratio Lower Upper

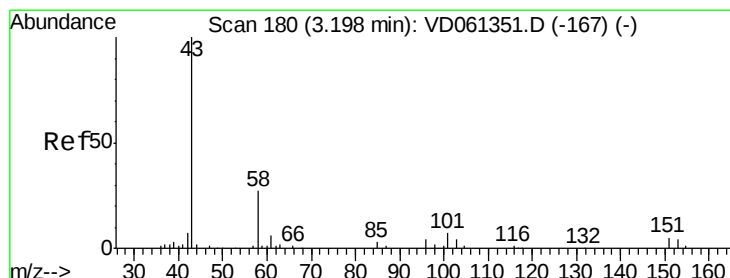
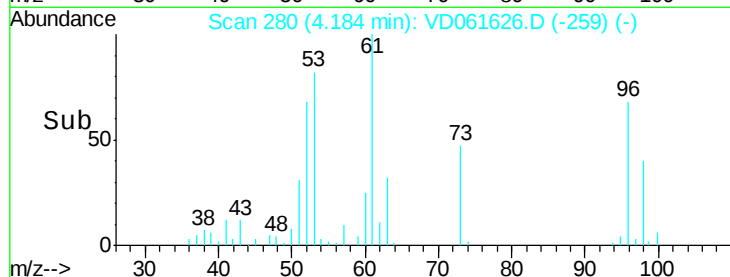
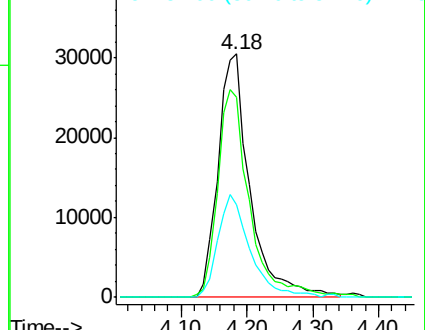
53 100

52 82.3 64.8 97.2

51 38.1 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: 121.043 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD061626.D

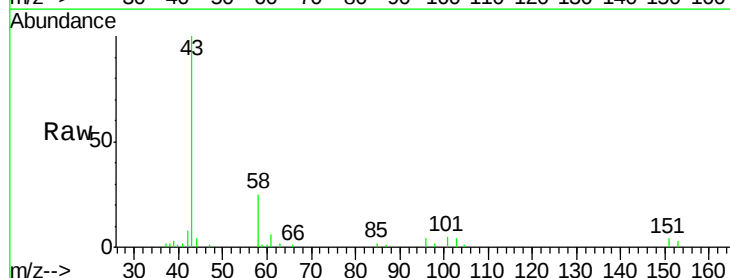
Acq: 5 Apr 2019 17:40

Tgt Ion: 43 Resp: 124470

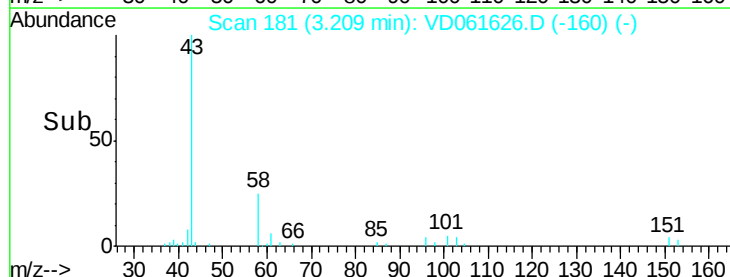
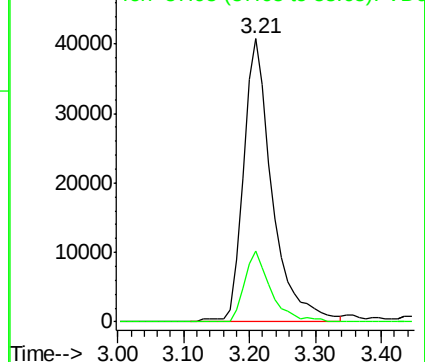
Ion Ratio Lower Upper

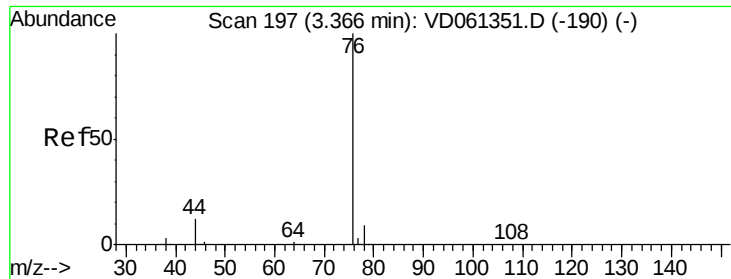
43 100

58 25.3 21.5 32.3



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

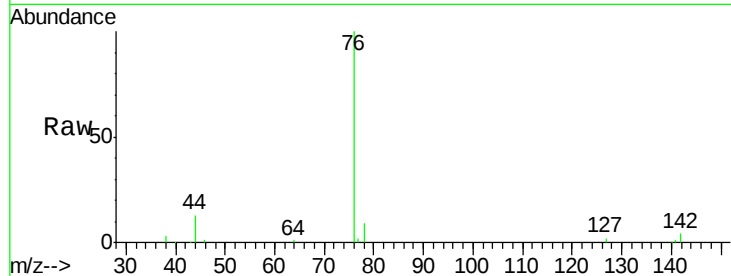




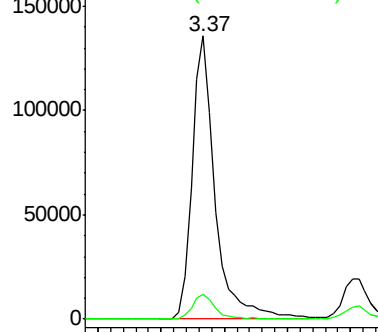
#17
Carbon Disulfide
Concen: 21.102 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampled :

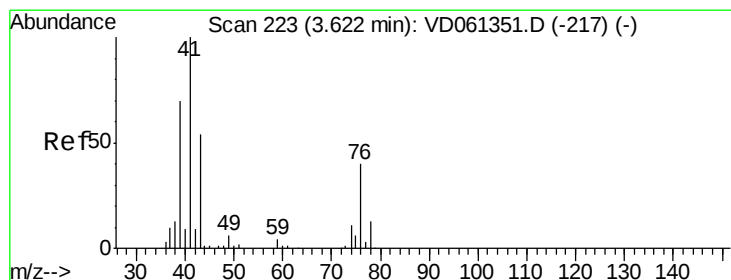
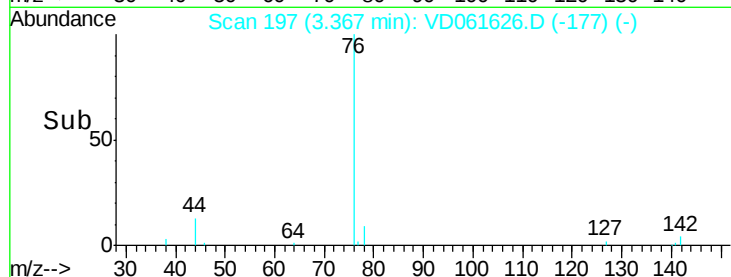
Tot Ion: 76 Resp: 344601
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



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

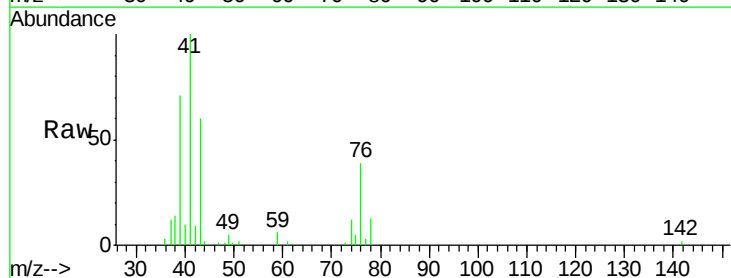


Time-->

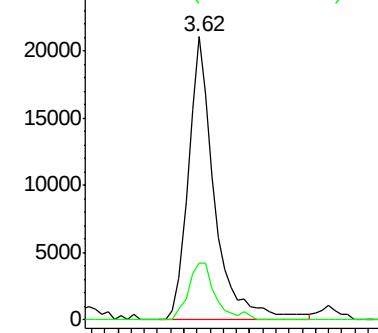


#18
Methyl Acetate
Concen: 26.727 ug/l
RT: 3.62 min Scan# 223
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

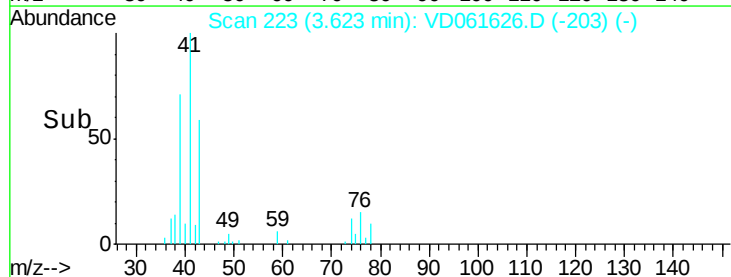
Tgt Ion: 43 Resp: 57785
Ion Ratio Lower Upper
43 100
74 19.9 16.7 25.1



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



Time-->

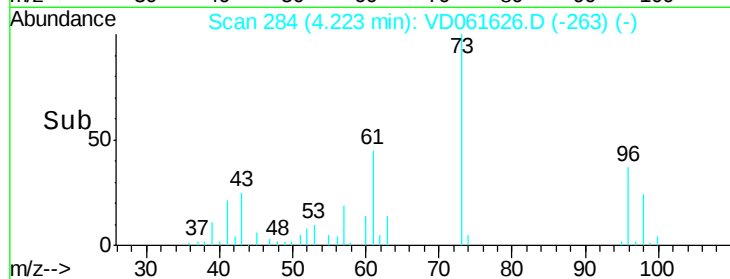
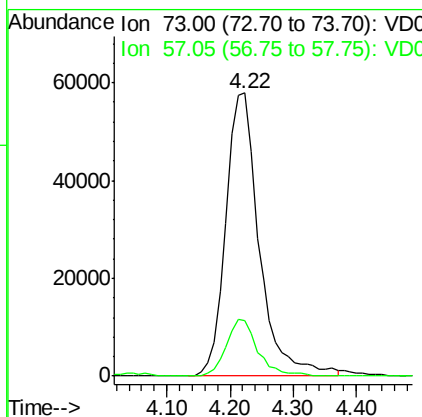
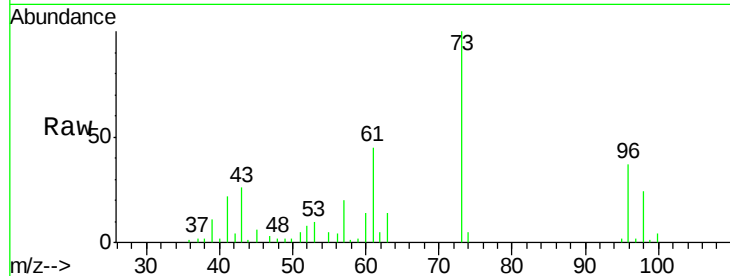




#19
Methvl tert-butvl Ether
Concen: 24.417 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

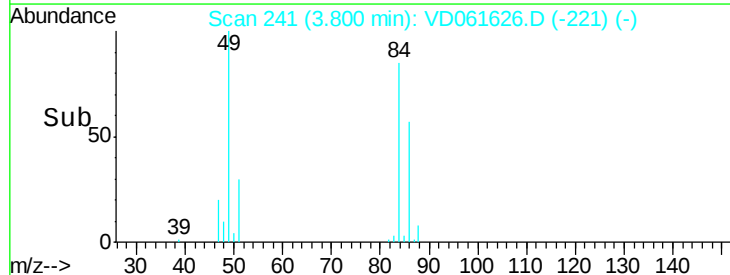
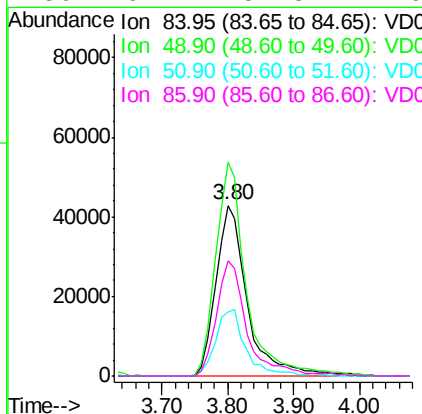
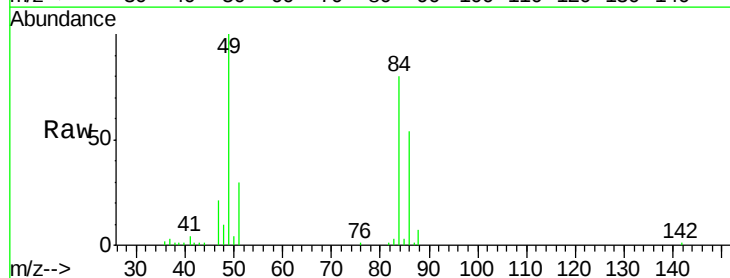
Instrument :
MSVOA_D
ClientSampleId :

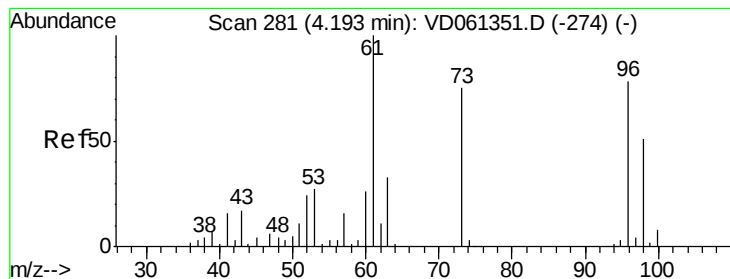
Tot Ion: 73 Resp: 212437
Ion Ratio Lower Upper
73 100
57 19.5 16.4 24.6



#20
Methylene Chloride
Concen: 23.387 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 84 Resp: 140607
Ion Ratio Lower Upper
84 100
49 125.1 91.8 137.8
51 37.6 29.8 44.8
86 67.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 23.029 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampleId :

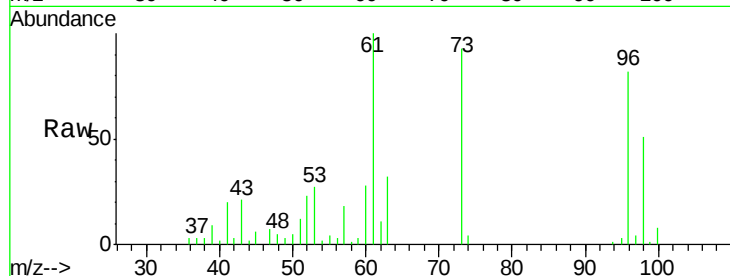
Tot Ion: 96 Resp: 124968

Ion Ratio Lower Upper

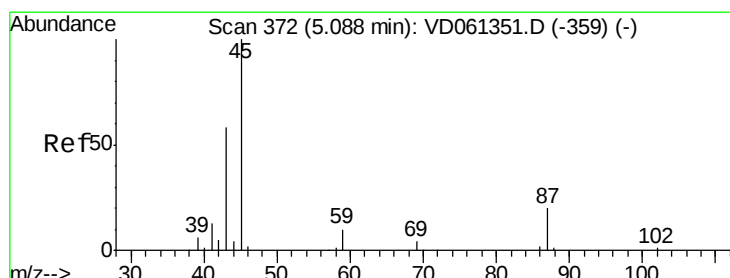
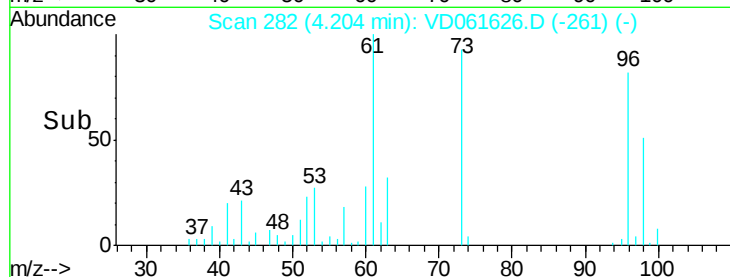
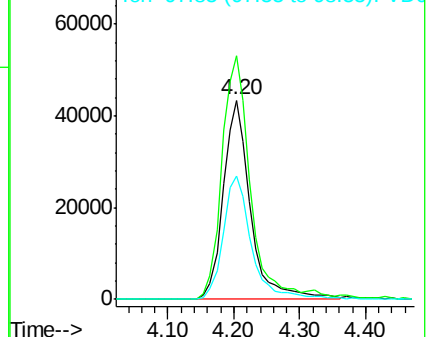
96 100

61 122.4 102.7 154.1

98 62.1 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: 24.103 ug/l

RT: 5.10 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Tgt Ion: 45 Resp: 357580

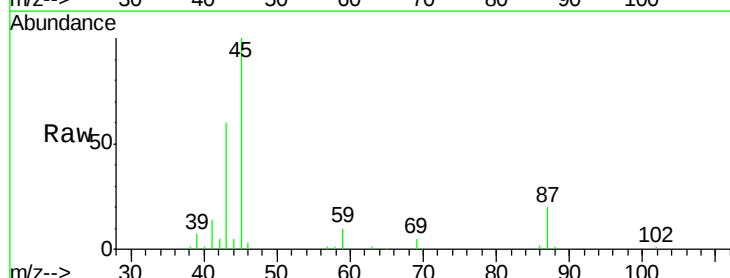
Ion Ratio Lower Upper

45 100

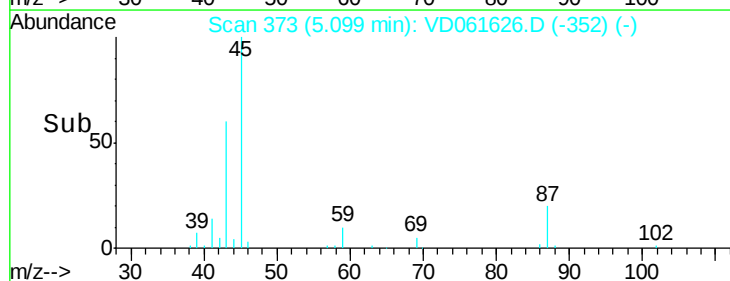
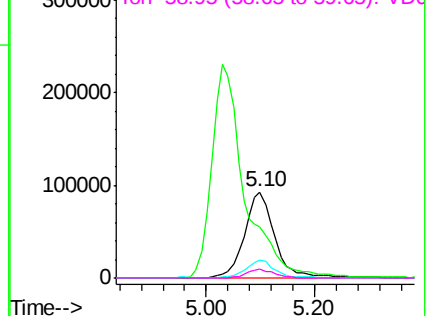
43 59.6 47.4 71.2

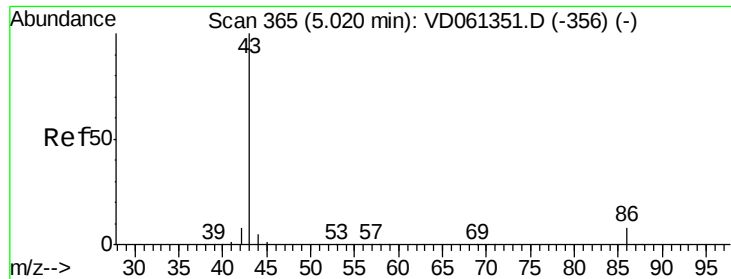
87 20.4 16.3 24.5

59 9.9 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

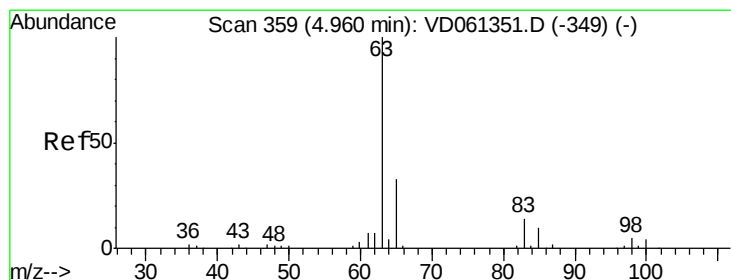
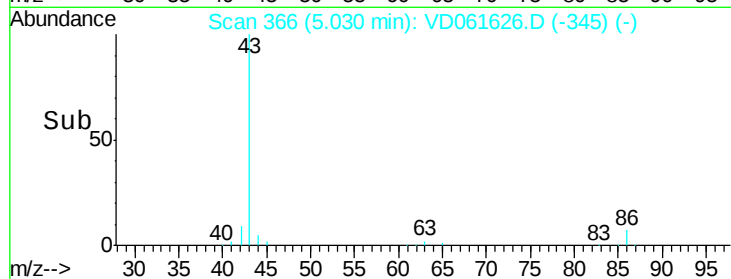
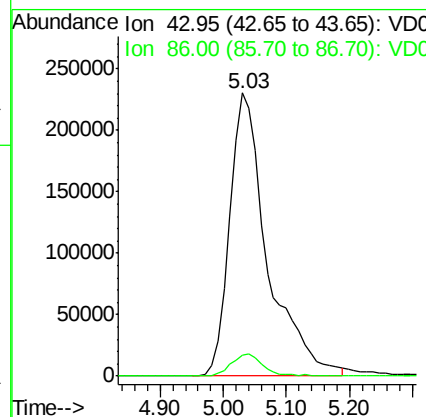
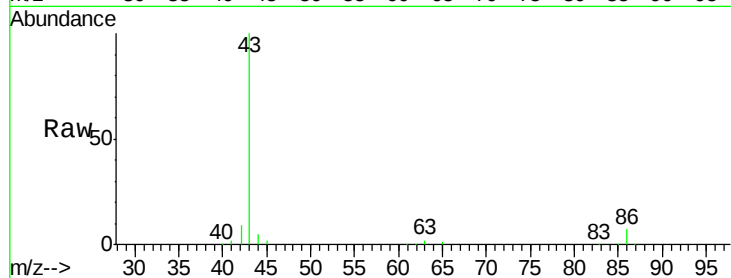




#23
 Vinyl Acetate
 Concen: 118.400 ug/l
 RT: 5.03 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

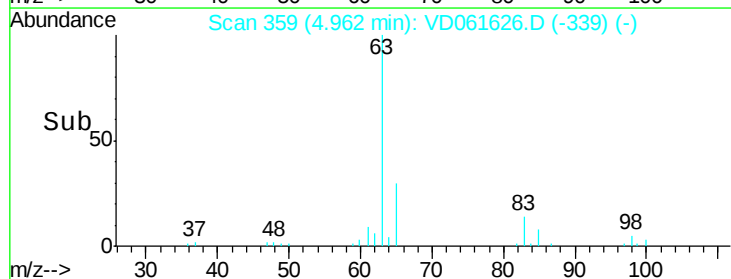
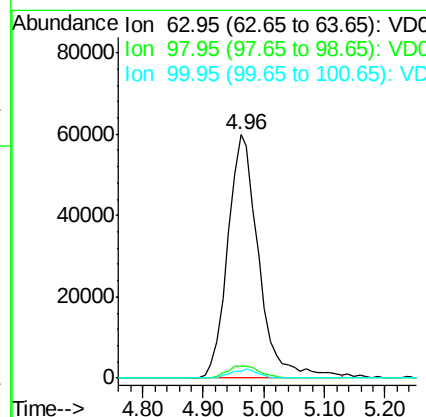
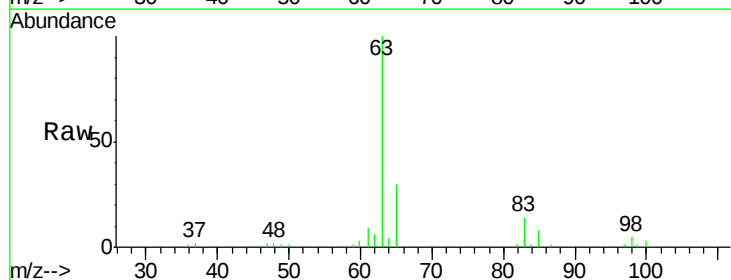
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 43 Resp: 954119
 Ion Ratio Lower Upper
 43 100
 86 7.2 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 24.349 ug/l
 RT: 4.96 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion: 63 Resp: 212286
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.6 8.0
 100 2.9 1.8 5.3





#25

2-Butanone

Concen: 124.089 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

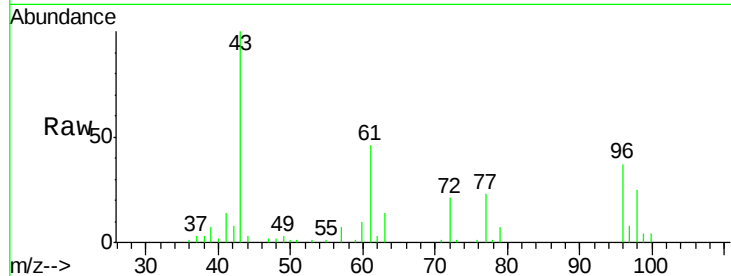
ClientSampleId :

Tot Ion: 43 Resp: 160512

Ion Ratio Lower Upper

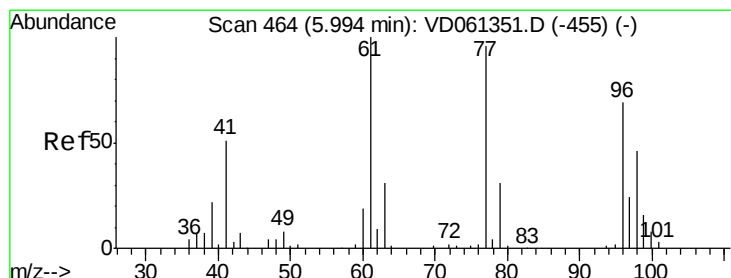
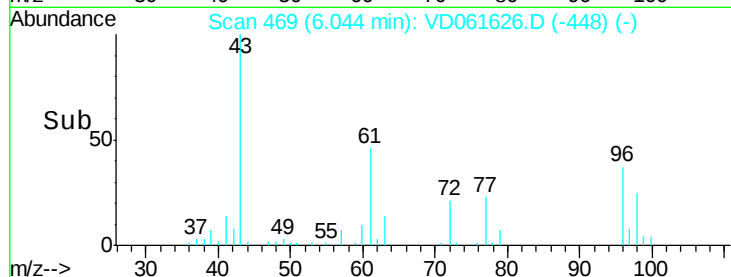
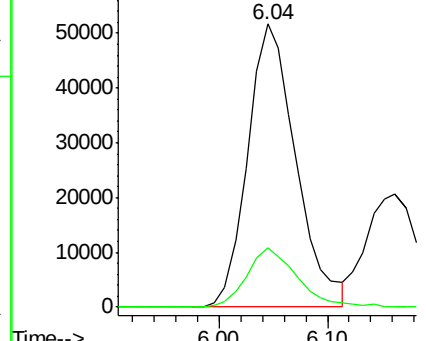
43 100

72 21.0 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: 25.059 ug/l

RT: 6.01 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD061626.D

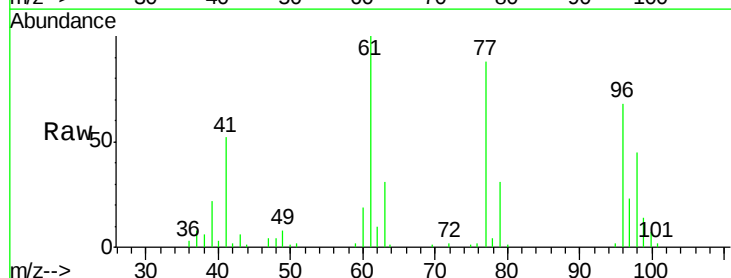
Acq: 5 Apr 2019 17:40

Tgt Ion: 77 Resp: 173678

Ion Ratio Lower Upper

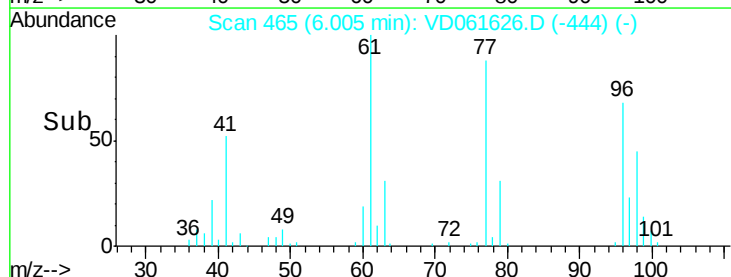
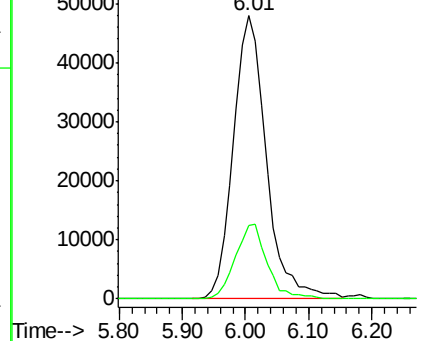
77 100

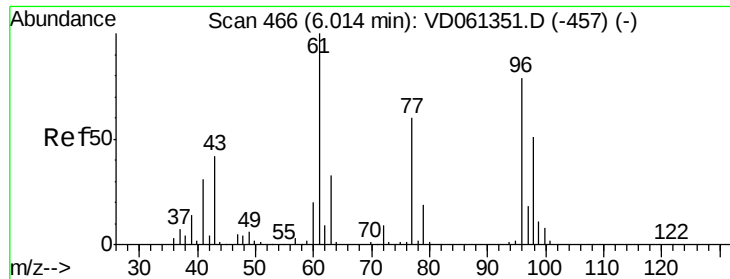
97 25.9 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



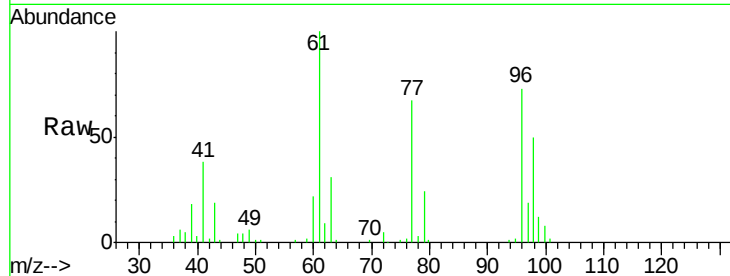


#27

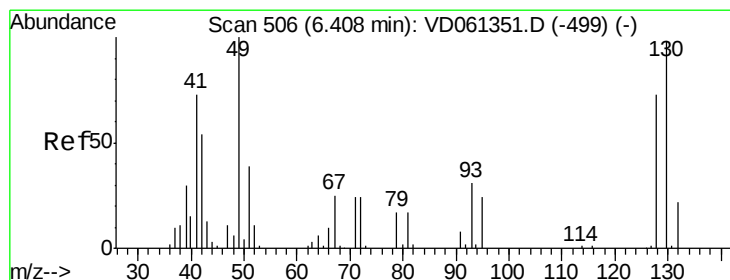
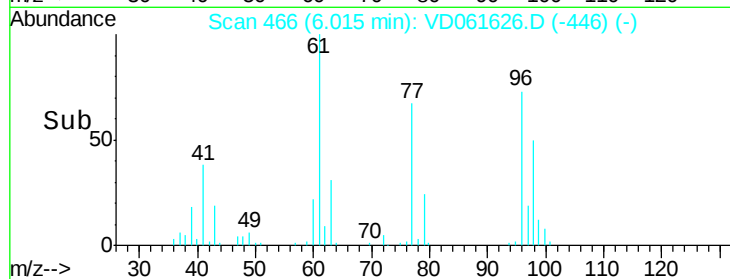
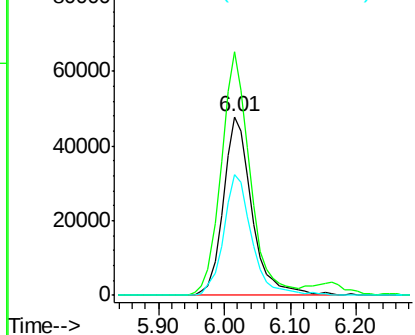
cis-1,2-Dichloroethene
Concen: 24.403 ug/l
RT: 6.01 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 145089
Ion Ratio Lower Upper
96 100
61 136.2 0.0 251.6
98 67.4 0.0 129.2



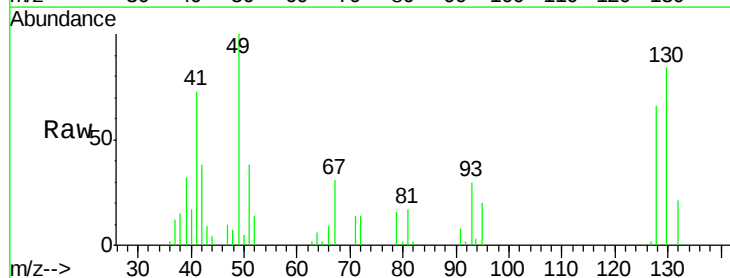
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



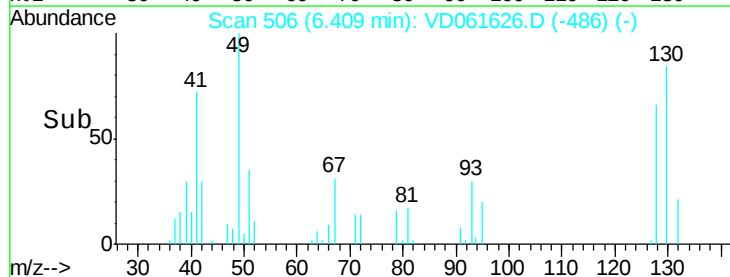
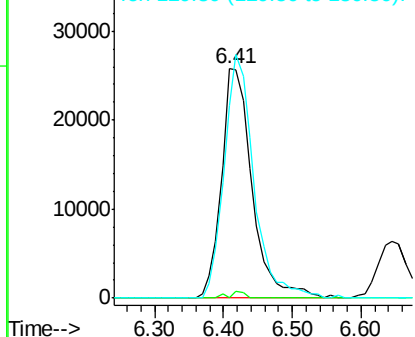
#28

Bromochloromethane
Concen: 22.639 ug/l
RT: 6.41 min Scan# 506
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 49 Resp: 79676
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 83.7 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

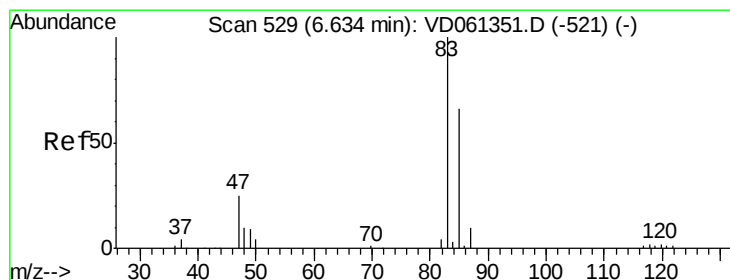
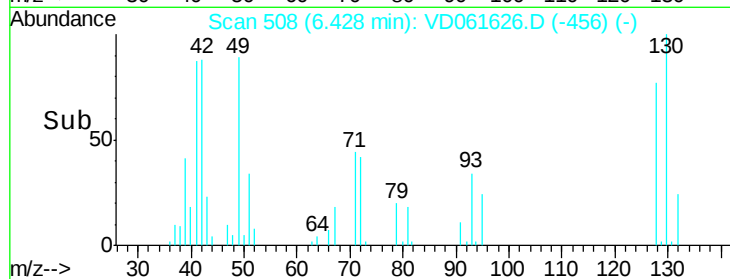
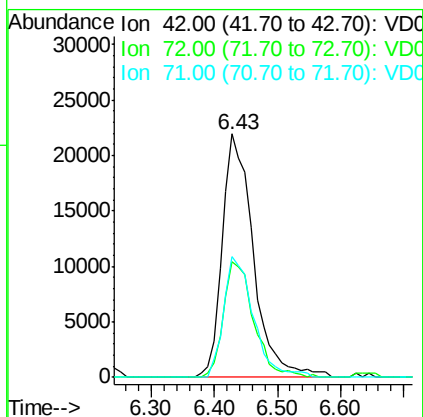
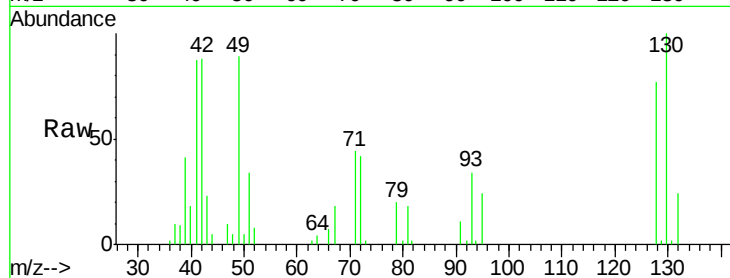




#29
Tetrahydrofuran
Concen: 119.850 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

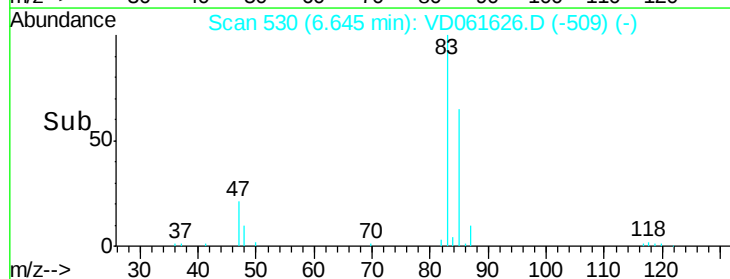
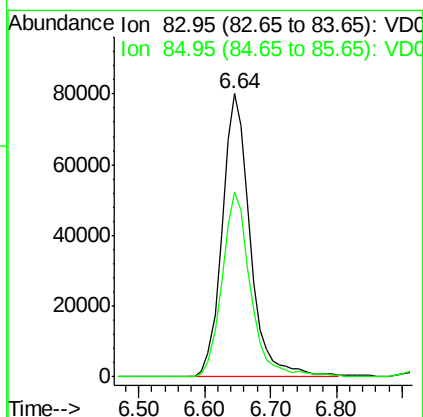
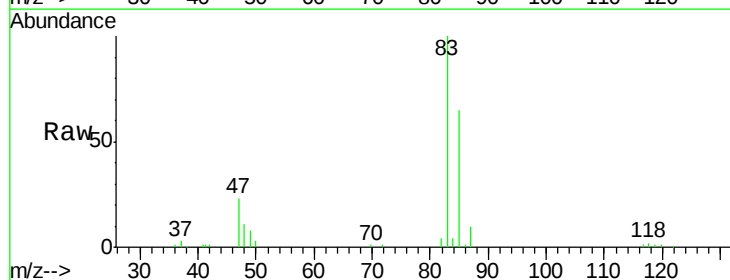
Instrument :
MSVOA_D
ClientSampled :

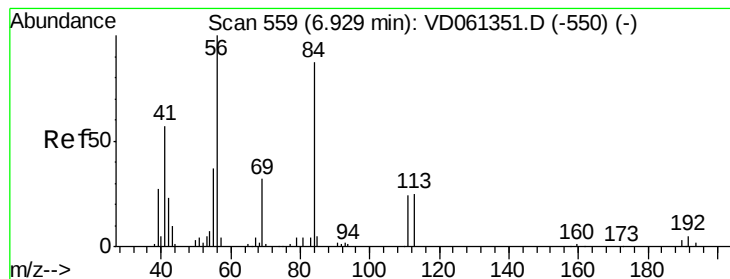
Tot Ion: 42 Resp: 75142
Ion Ratio Lower Upper
42 100
72 46.5 37.4 56.0
71 47.3 36.7 55.1



#30
Chloroform
Concen: 26.373 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 83 Resp: 237581
Ion Ratio Lower Upper
83 100
85 65.3 53.0 79.4





#31

Cyclohexane

Concen: 21.854 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampled :

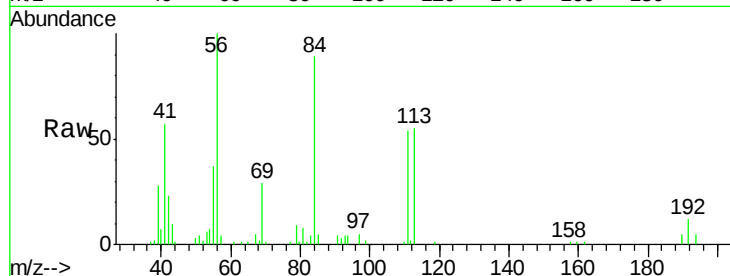
Tot Ion: 56 Resp: 150565

Ion Ratio Lower Upper

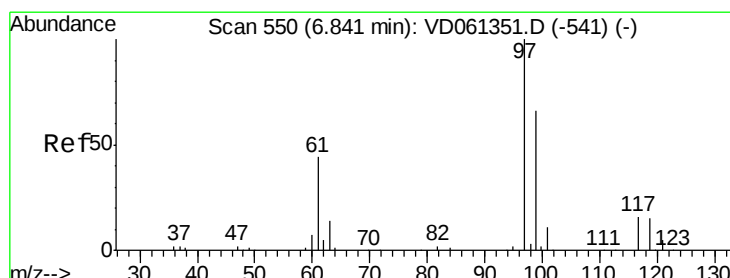
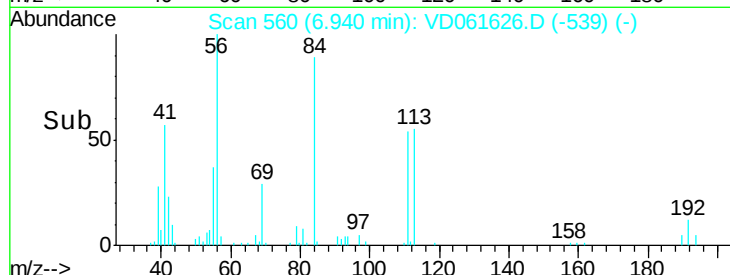
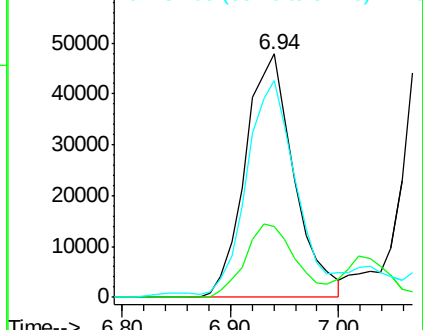
56 100

69 29.2 25.7 38.5

84 89.0 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: 24.536 ug/l

RT: 6.85 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

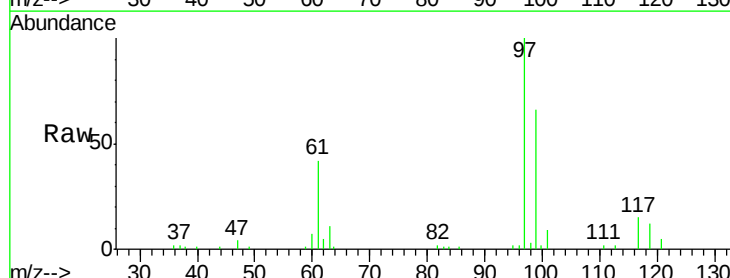
Tgt Ion: 97 Resp: 195000

Ion Ratio Lower Upper

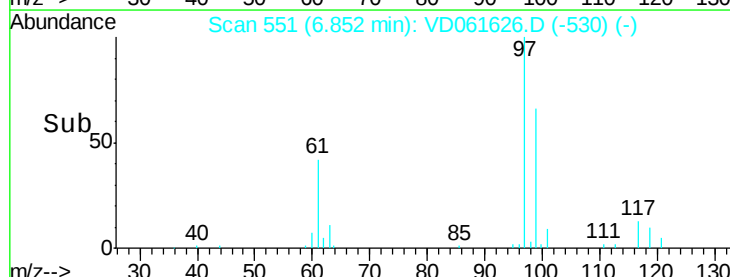
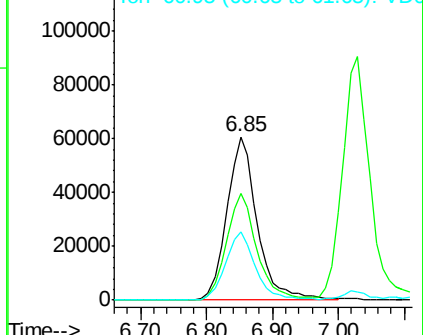
97 100

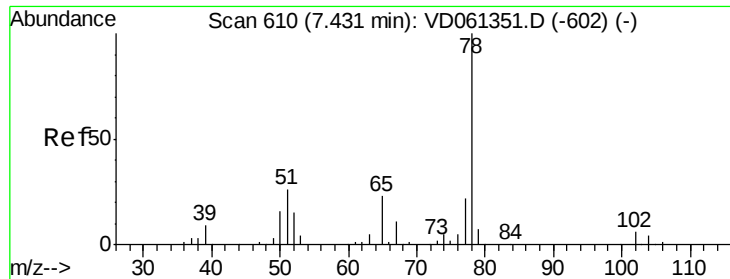
99 65.7 53.1 79.7

61 41.6 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

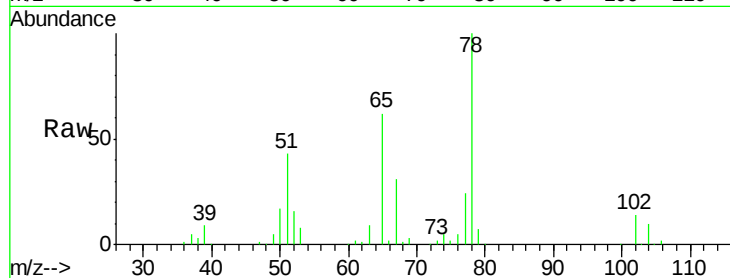




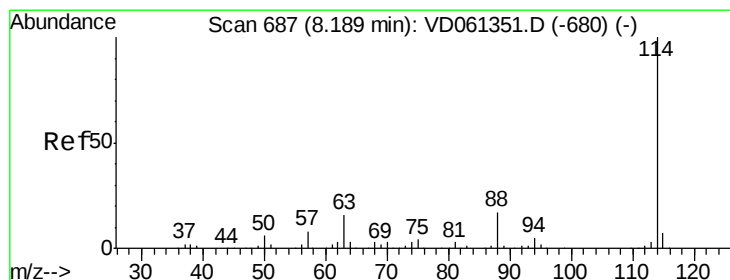
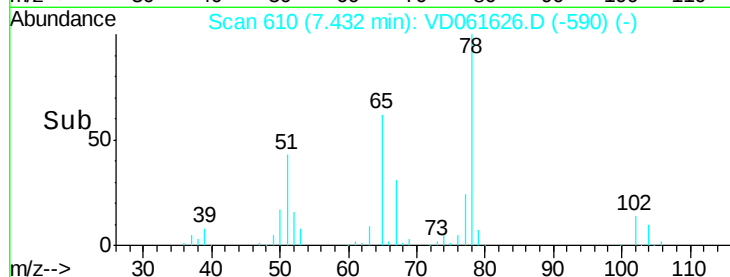
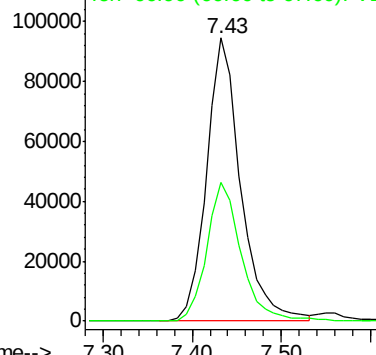
#33
 1,2-Dichloroethane-d4
 Concen: 24.536 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 251324
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 99.8

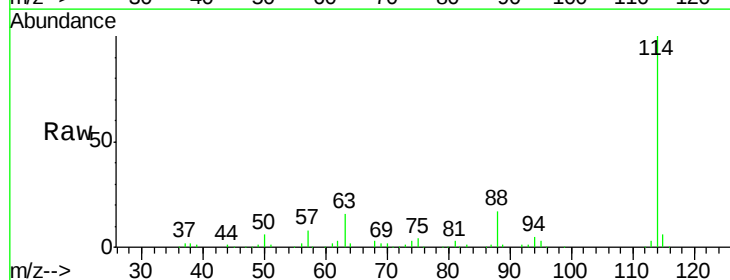


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

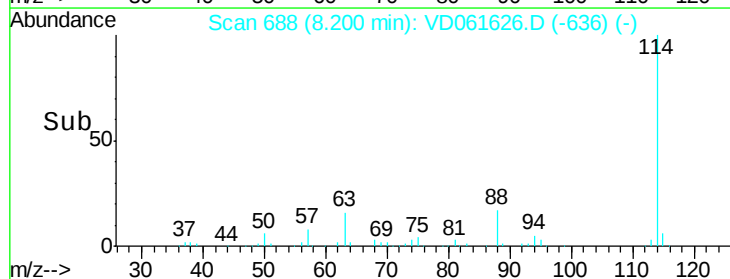
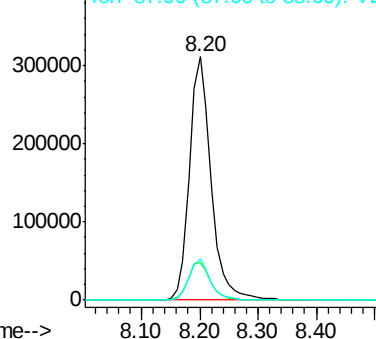


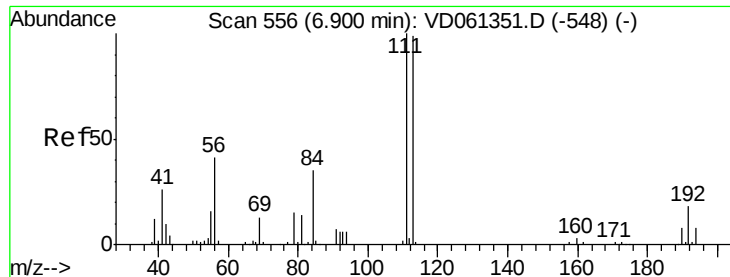
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion: 114 Resp: 800165
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.6
 88 17.0 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

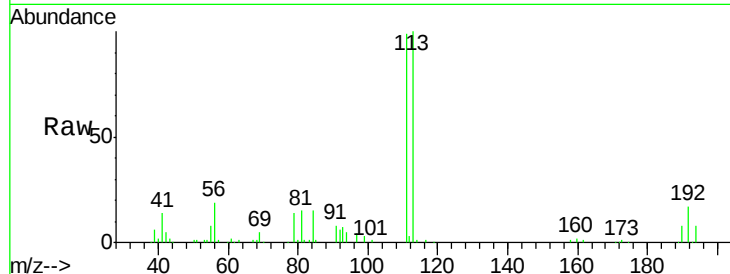




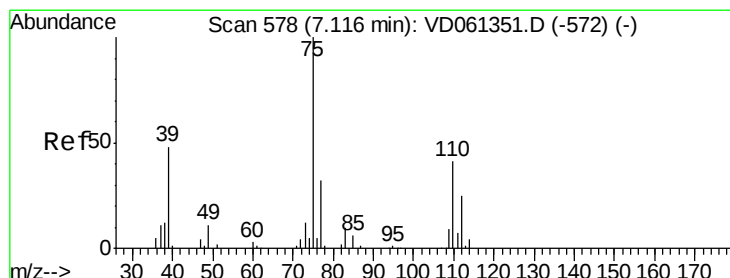
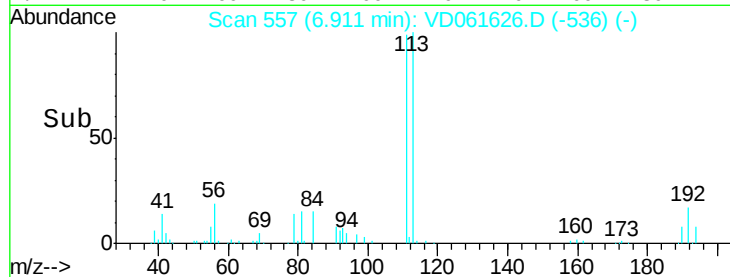
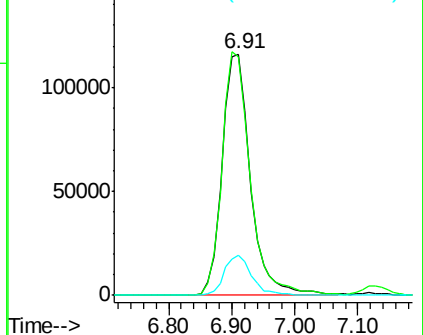
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.91 min Scan# 557
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 362502
Ion Ratio Lower Upper
113 100
111 99.0 81.0 121.6
192 16.6 14.4 21.6

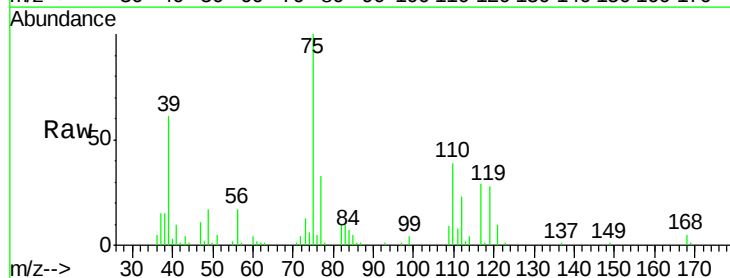


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

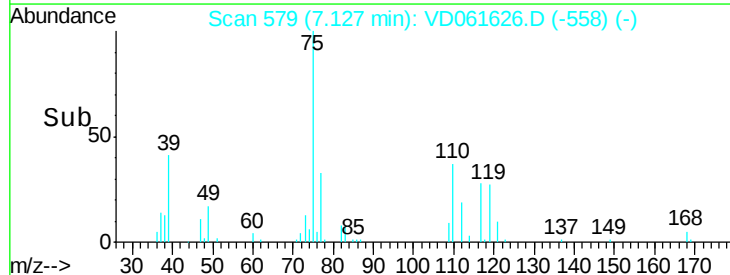
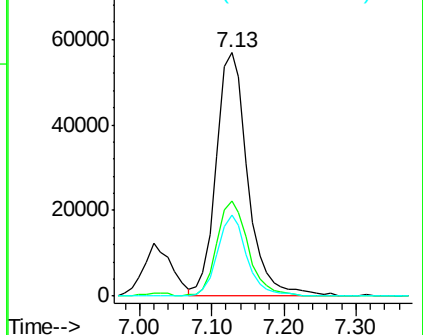


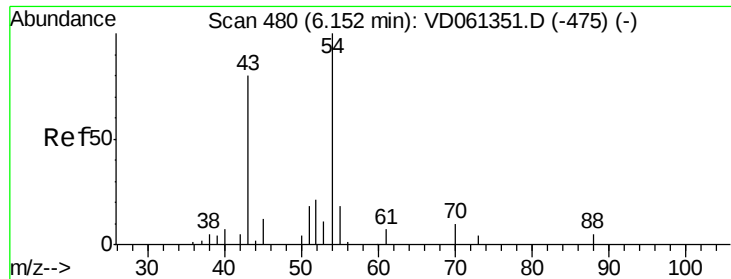
#36
1,1-Dichloropropene
Concen: 24.696 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 75 Resp: 172470
Ion Ratio Lower Upper
75 100
110 39.3 20.4 61.3
77 33.5 24.9 37.3



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

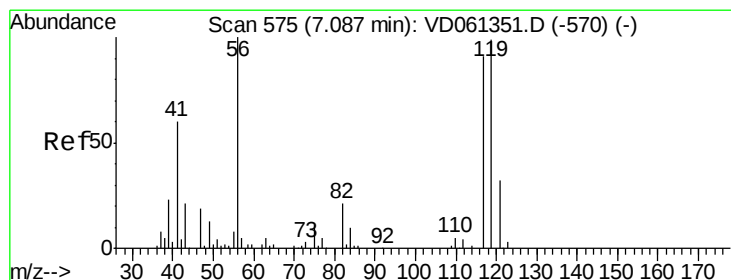
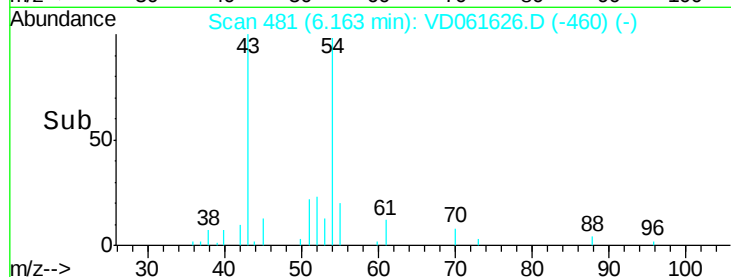
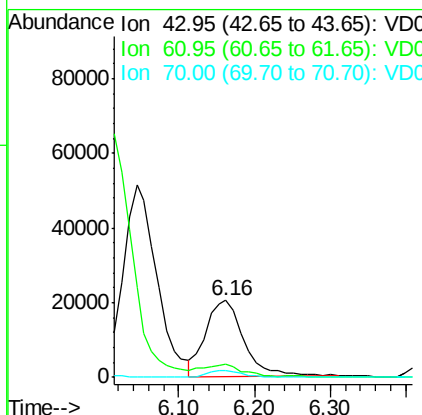
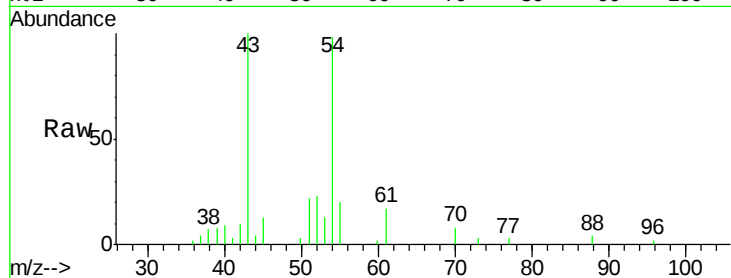




#37
Ethyl Acetate
Concen: 24.025 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

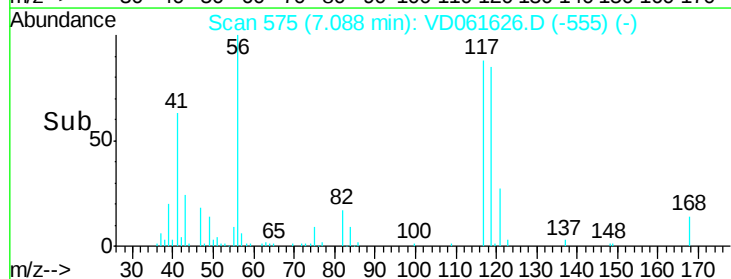
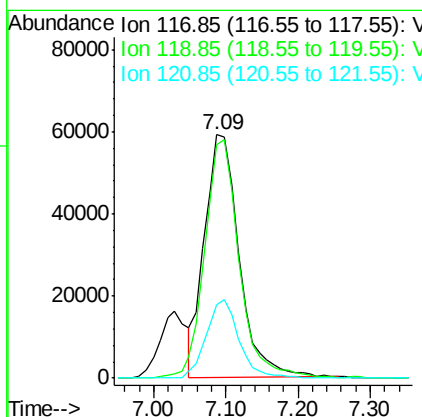
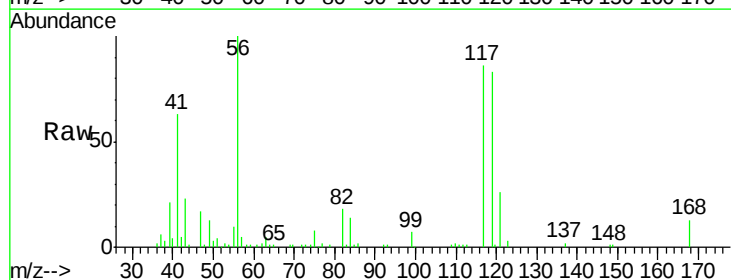
Instrument :
MSVOA_D
ClientSampled :

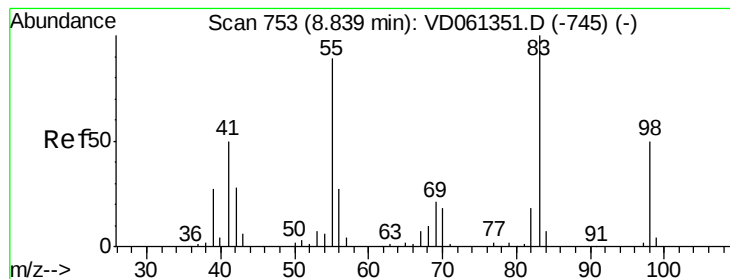
Tot Ion: 43 Resp: 71757
Ion Ratio Lower Upper
43 100
61 16.6 13.8 20.8
70 8.4 7.8 11.8



#38
Carbon Tetrachloride
Concen: 24.355 ug/l
RT: 7.09 min Scan# 575
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 117 Resp: 195446
Ion Ratio Lower Upper
117 100
119 96.0 80.1 120.1
121 30.4 25.6 38.4





#39

Methvlcvclohexane

Concen: 22.177 ug/l

RT: 8.85 min Scan# 754

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

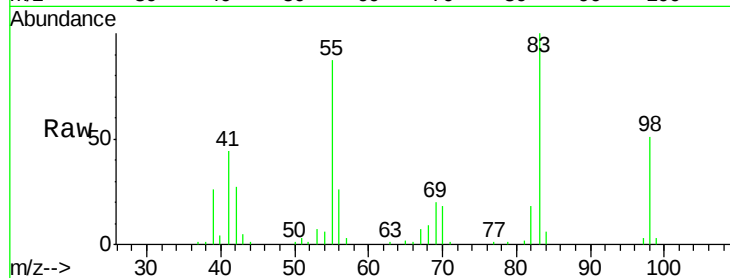
Tot Ion: 83 Resp: 161303

Ion Ratio Lower Upper

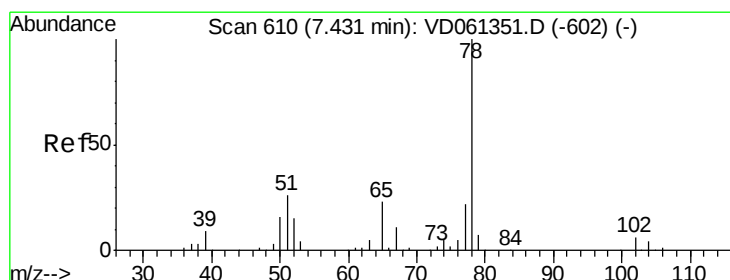
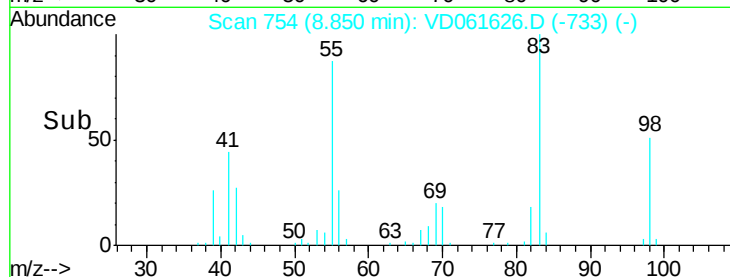
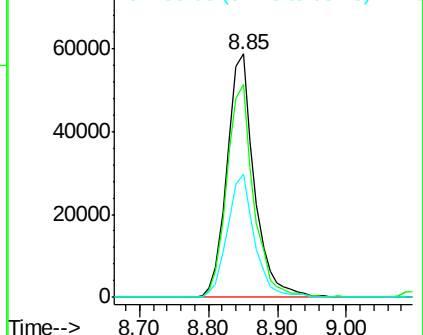
83 100

55 87.3 71.5 107.3

98 50.8 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: 23.888 ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD061626.D

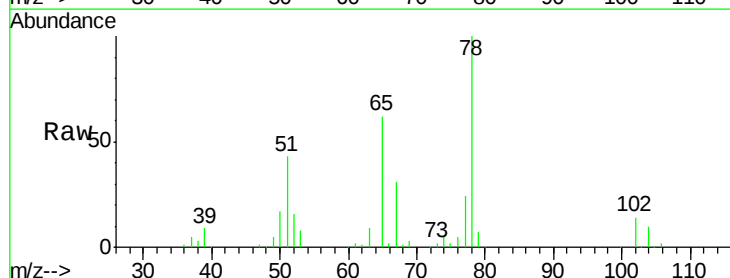
Acq: 5 Apr 2019 17:40

Tgt Ion: 78 Resp: 418680

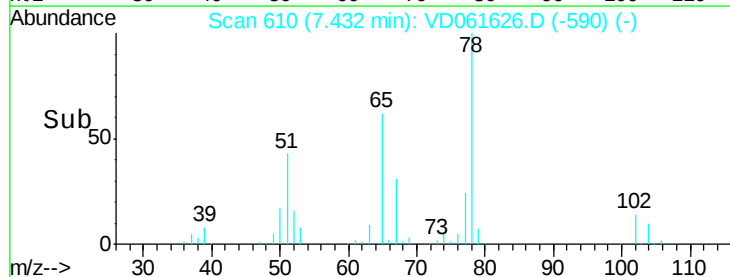
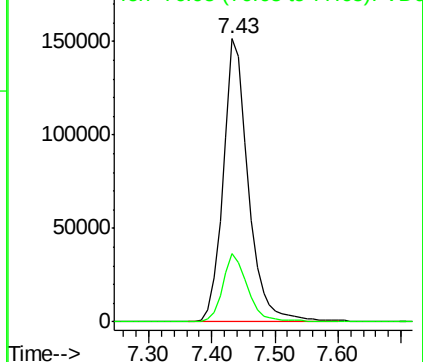
Ion Ratio Lower Upper

78 100

77 24.0 17.8 26.6



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

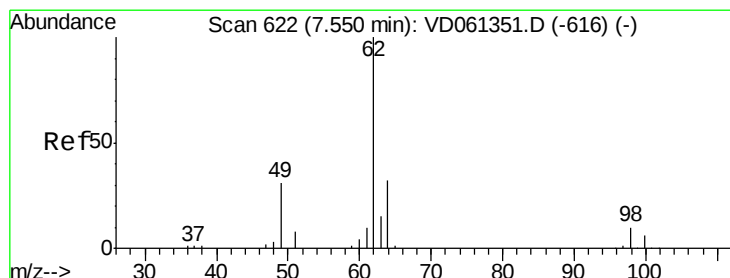
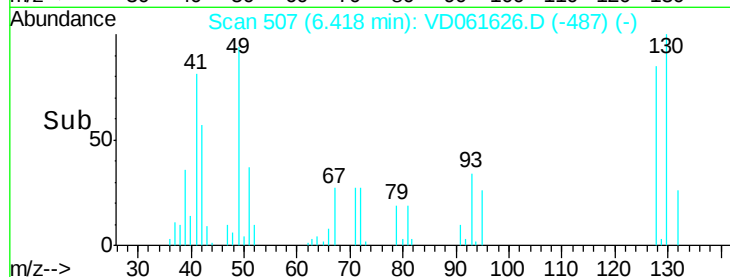
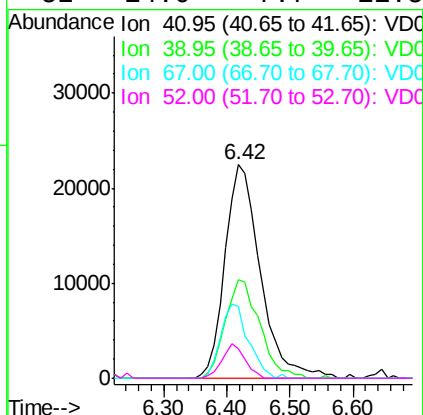
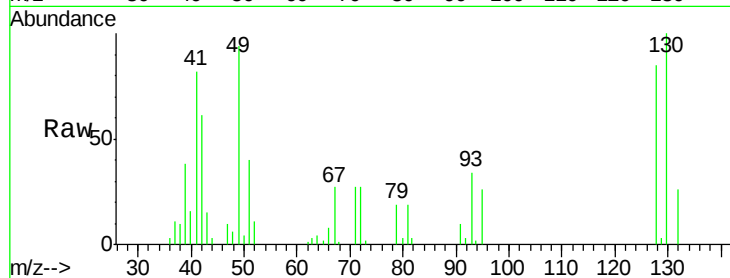




#41
Methacrylonitrile
Concen: 25.033 ug/l
RT: 6.42 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

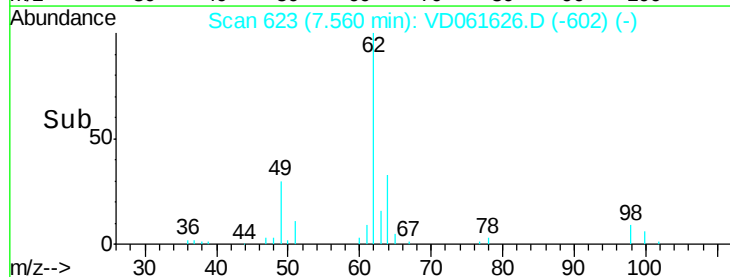
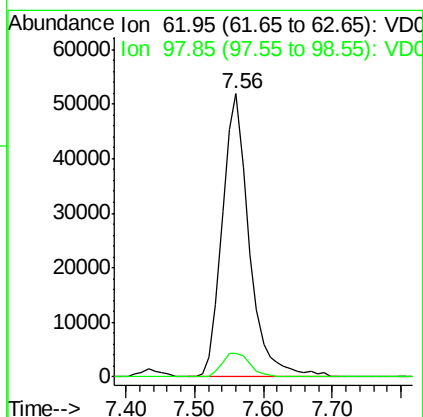
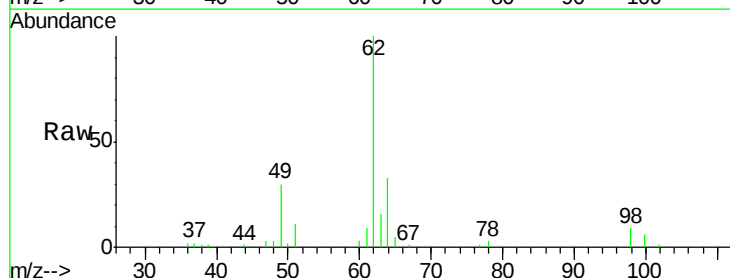
Instrument :
MSVOA_D
ClientSampleId :

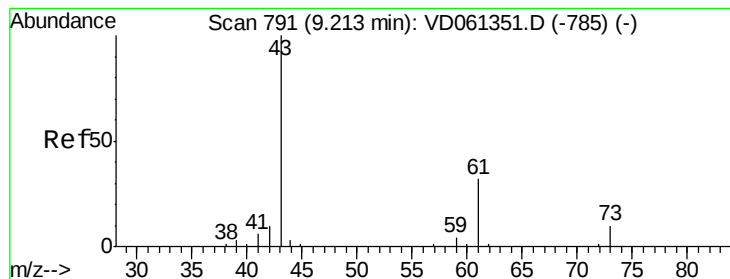
Tot Ion: 41 Resp: 87420
Ion Ratio Lower Upper
41 100
39 45.9 35.0 52.6
67 33.4 21.0 31.6#
52 14.0 7.7 11.5#



#42
1,2-Dichloroethane
Concen: 26.819 ug/l
RT: 7.56 min Scan# 623
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 62 Resp: 140604
Ion Ratio Lower Upper
62 100
98 8.5 0.0 19.8



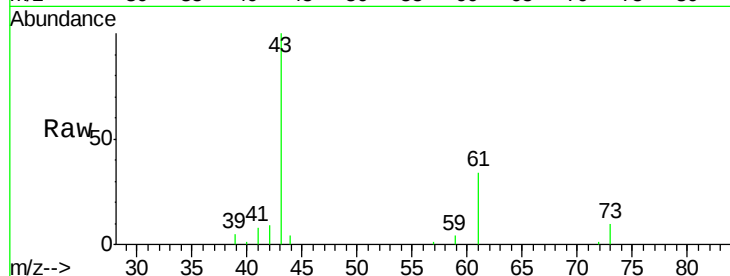


#43

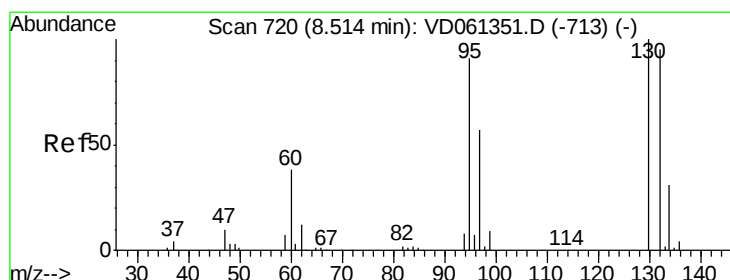
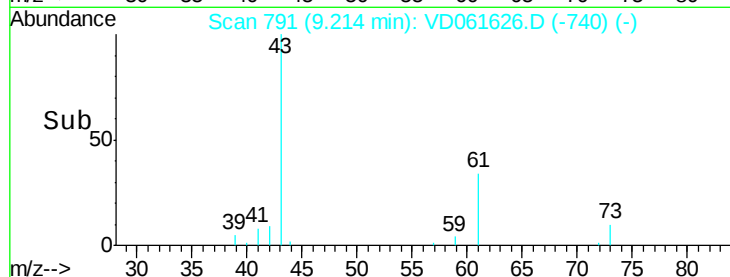
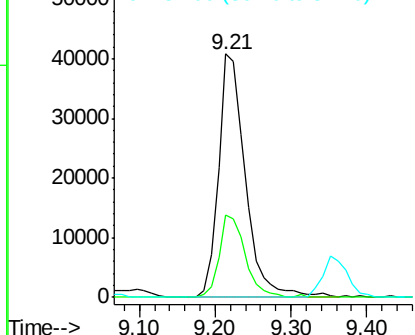
Isopropyl Acetate
 Concen: 23.190 ug/l
 RT: 9.21 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 43 Resp: 100776
 Ion Ratio Lower Upper
 43 100
 61 33.6 25.8 38.6
 87 0.0 0.0 0.0



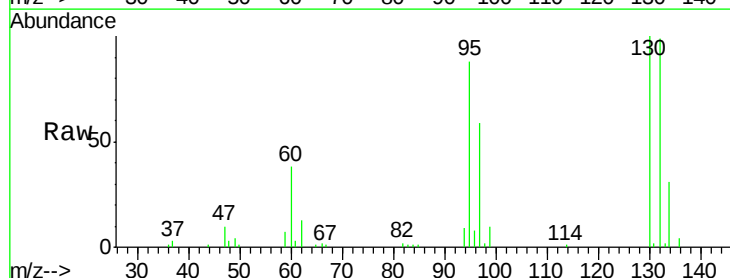
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



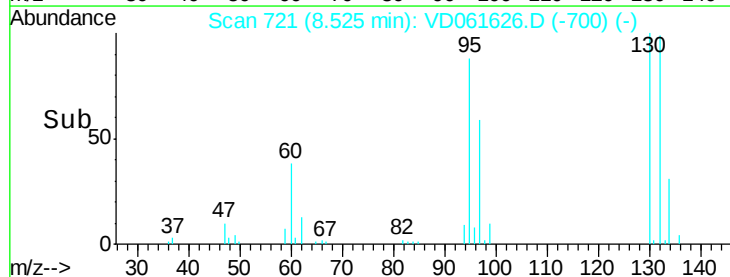
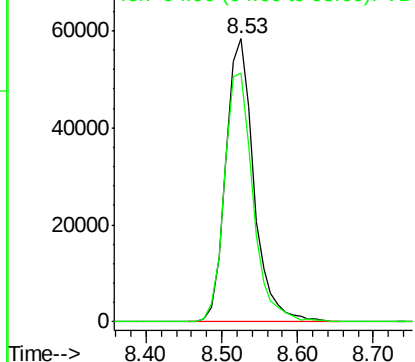
#44

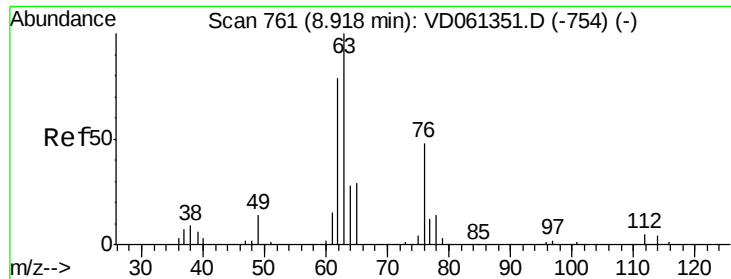
Trichloroethene
 Concen: 22.962 ug/l
 RT: 8.53 min Scan# 721
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion: 130 Resp: 149775
 Ion Ratio Lower Upper
 130 100
 95 87.7 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: 23.065 ug/l

RT: 8.92 min Scan# 761

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

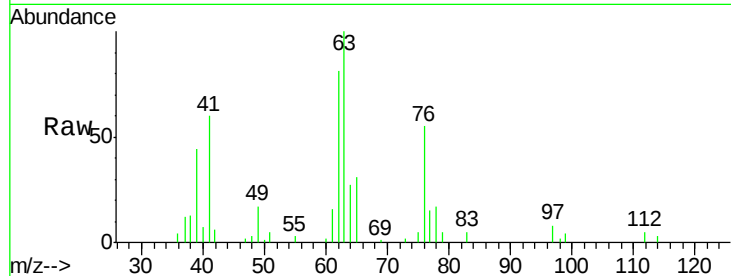
ClientSampled :

Tot Ion: 63 Resp: 102509

Ion Ratio Lower Upper

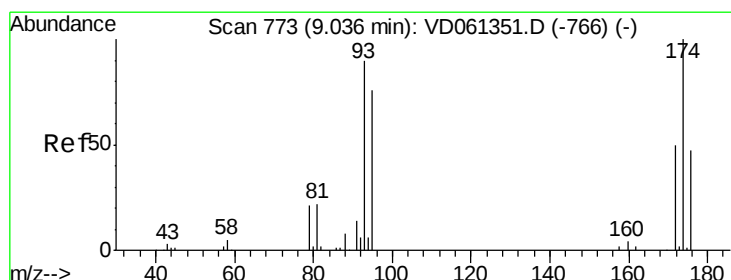
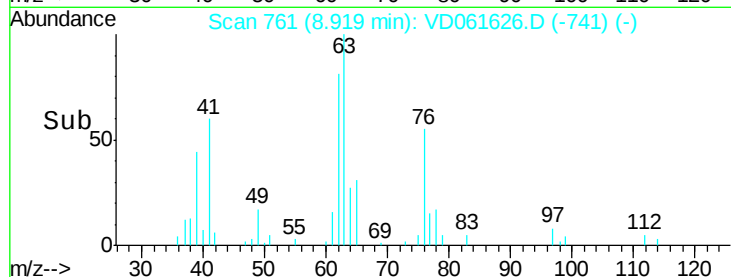
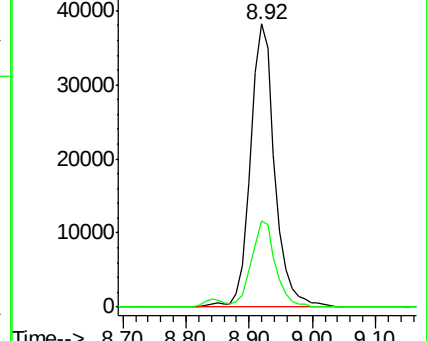
63 100

65 30.7 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 26.114 ug/l

RT: 9.05 min Scan# 774

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

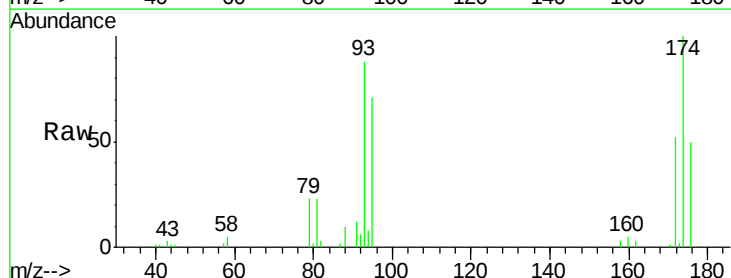
Tgt Ion: 93 Resp: 78116

Ion Ratio Lower Upper

93 100

95 80.3 67.4 101.0

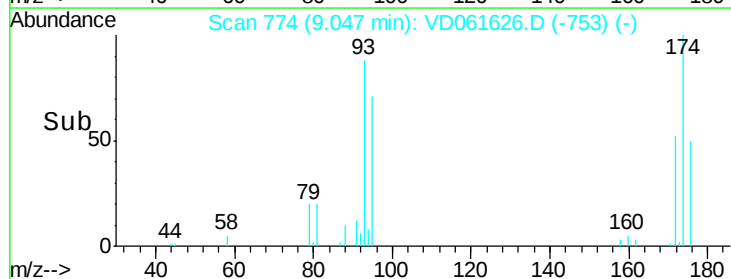
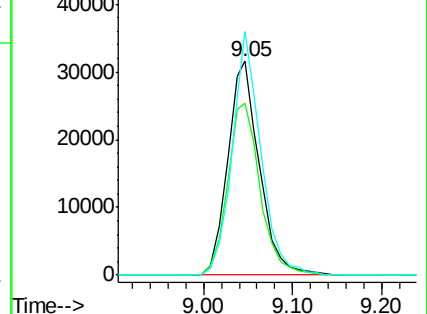
174 113.9 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 23.620 ug/l

RT: 9.35 min Scan# 805

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

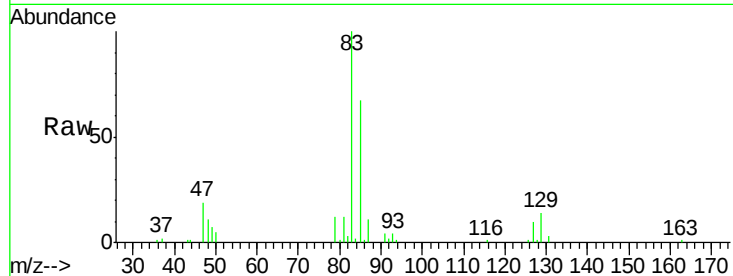
Tot Ion: 83 Resp: 158585

Ion Ratio Lower Upper

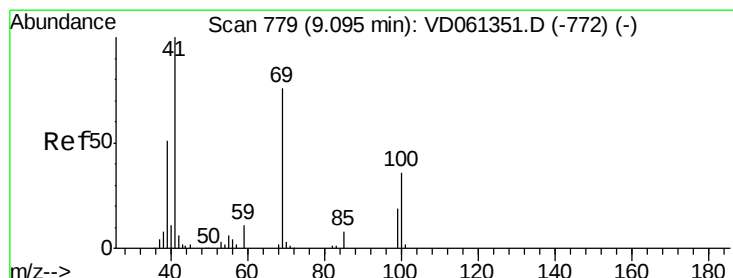
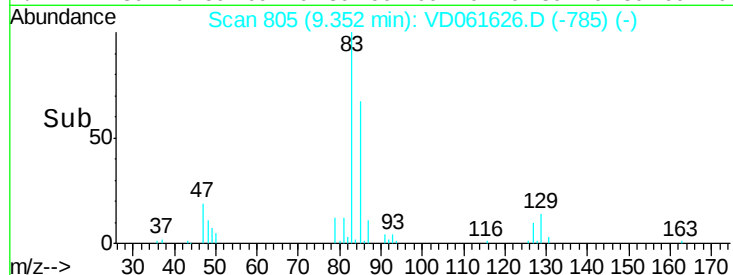
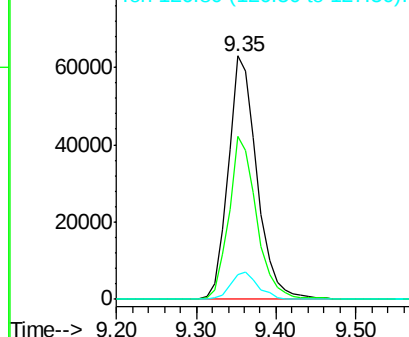
83 100

85 66.8 53.0 79.4

127 9.9 8.4 12.6



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



#48

Methyl methacrylate

Concen: 24.811 ug/l

RT: 9.11 min Scan# 780

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

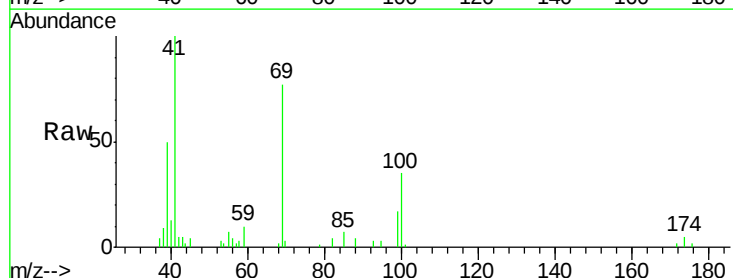
Tgt Ion: 41 Resp: 59504

Ion Ratio Lower Upper

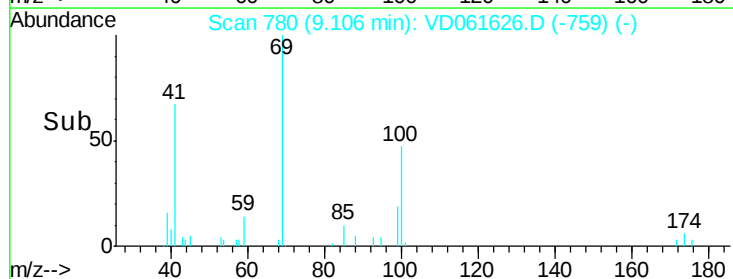
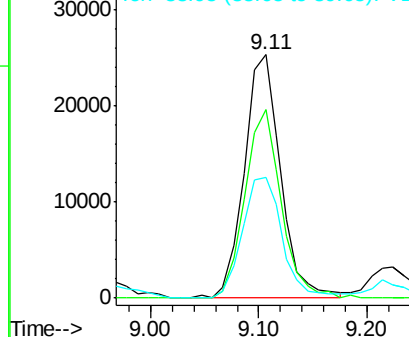
41 100

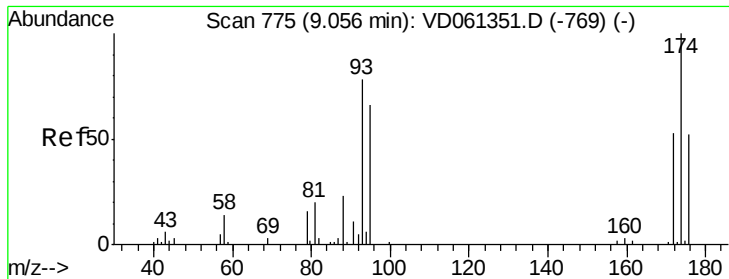
69 77.3 60.2 90.4

39 49.7 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

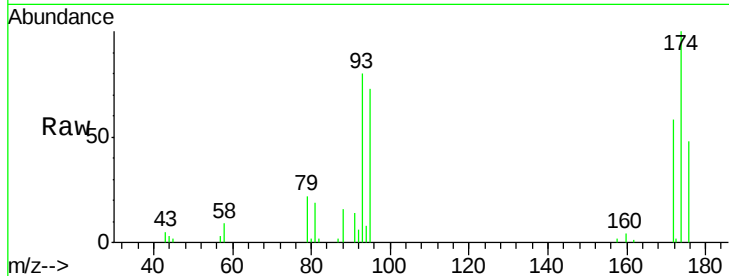




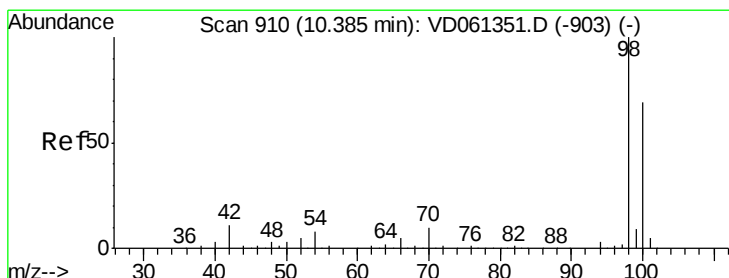
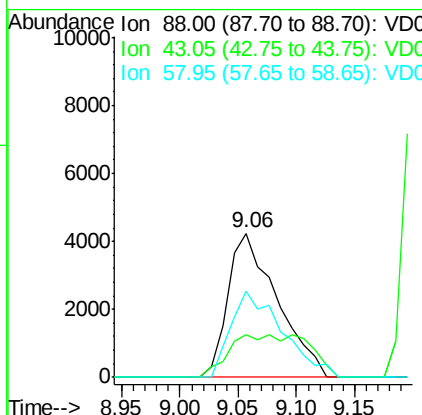
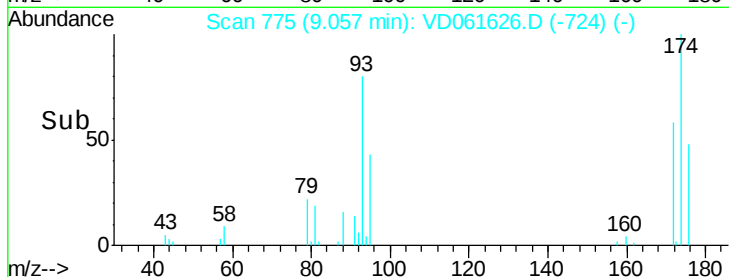
#49
1,4-Dioxane
Concen: 469.510 ug/l
RT: 9.06 min Scan# 775
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 12420
Ion Ratio Lower Upper
88 100
43 29.6 23.3 34.9
58 59.7 50.8 76.2

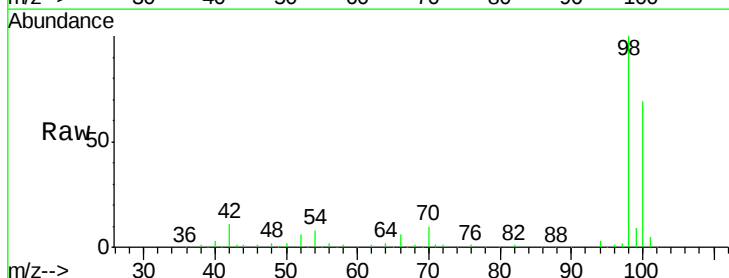


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

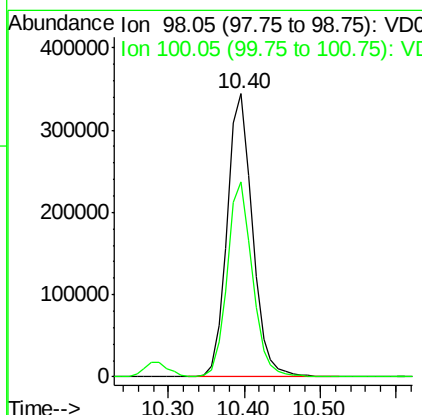
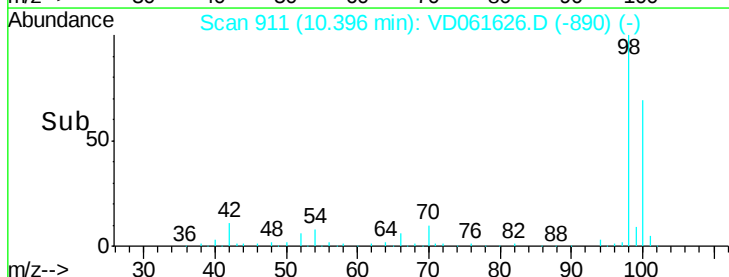


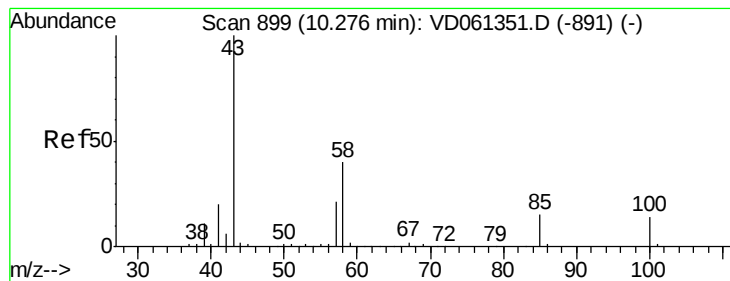
#50
Toluene-d8
Concen: 469.510 ug/l
RT: 10.40 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 98 Resp: 798483
Ion Ratio Lower Upper
98 100
100 68.7 56.2 84.2



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





#51

4-Methyl-2-Pentanone

Concen: 122.110 ug/l

RT: 10.28 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

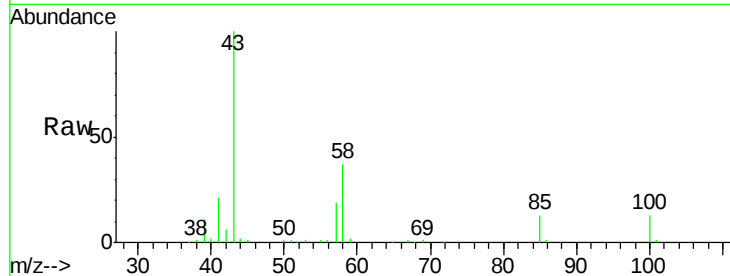
ClientSampled :

Tot Ion: 43 Resp: 322842

Ion Ratio Lower Upper

43 100

58 37.5 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

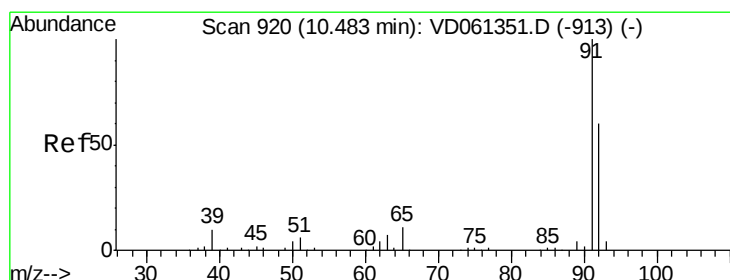
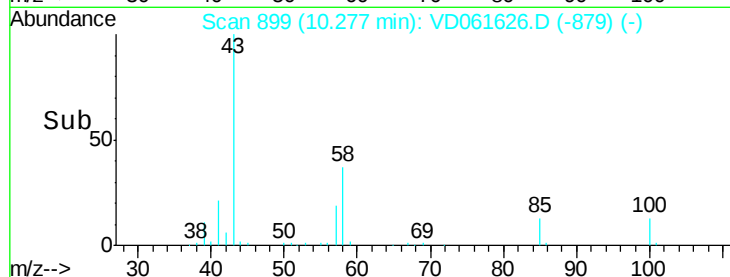
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 26.324 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD061626.D

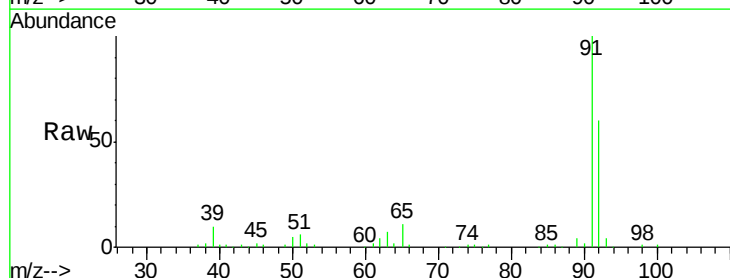
Acq: 5 Apr 2019 17:40

Tgt Ion: 92 Resp: 281477

Ion Ratio Lower Upper

92 100

91 165.6 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.49

200000

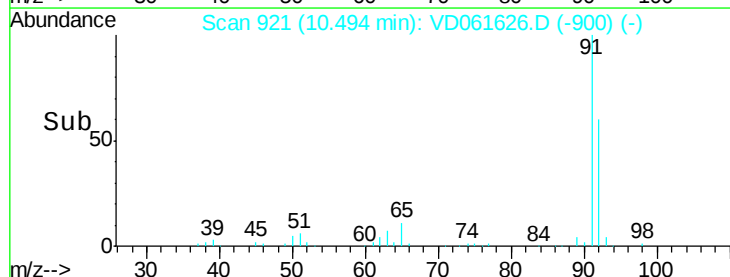
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 24.858 ug/l

RT: 10.90 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

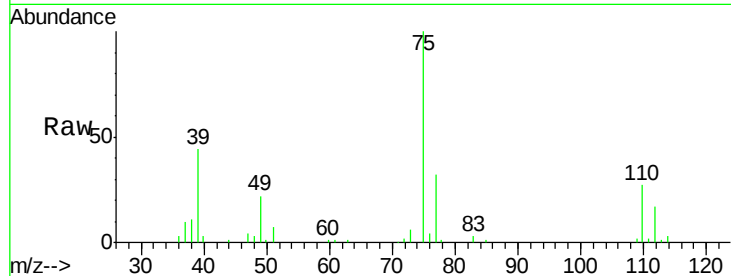
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 151637

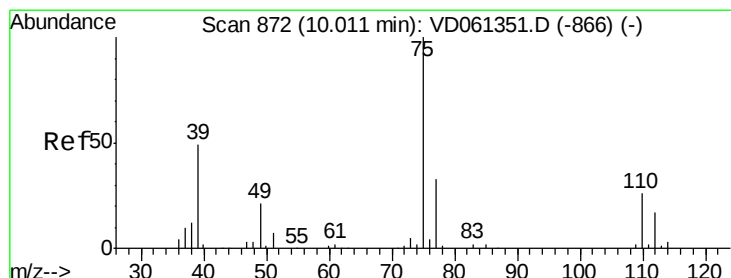
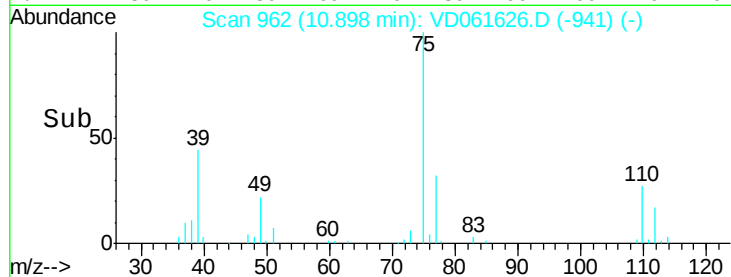
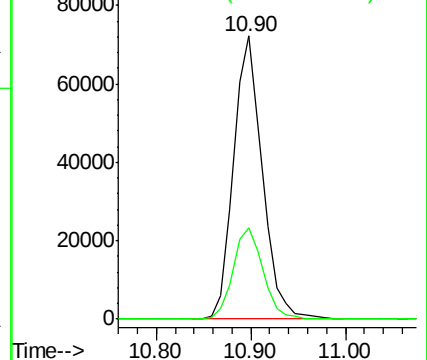
Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.321 ug/l

RT: 10.02 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

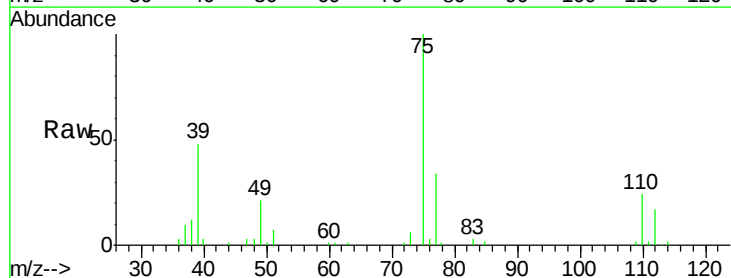
Tgt Ion: 75 Resp: 165798

Ion Ratio Lower Upper

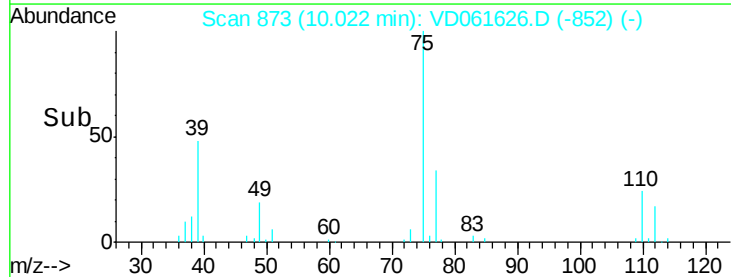
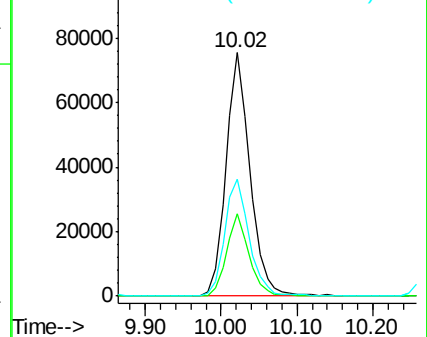
75 100

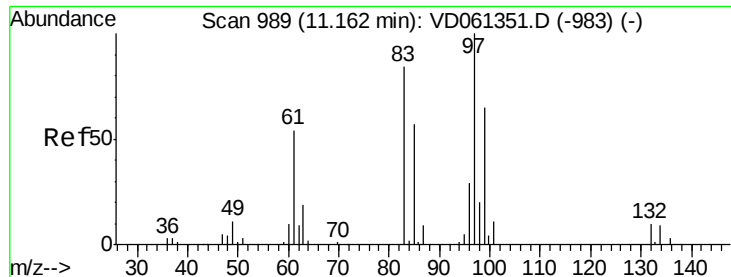
77 33.9 26.2 39.4

39 48.1 39.4 59.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 23.811 ug/l

RT: 11.17 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 97 Resp: 89041

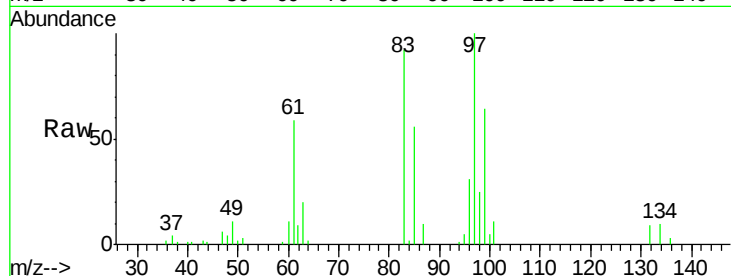
Ion Ratio Lower Upper

97 100

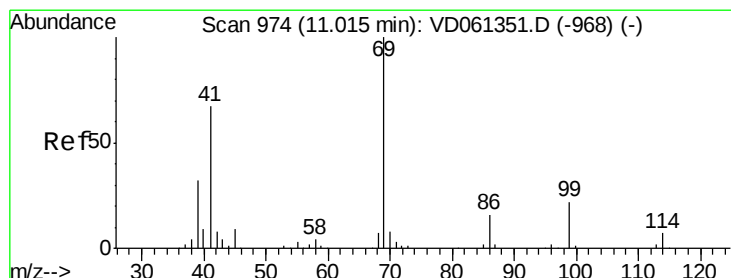
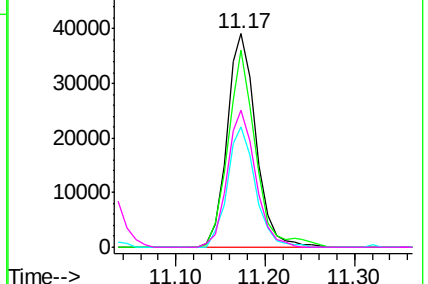
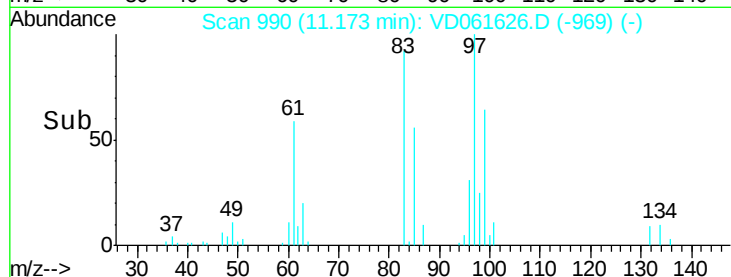
83 92.2 67.0 100.6

85 56.5 45.4 68.2

99 64.0 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: 25.801 ug/l

RT: 11.03 min Scan# 975

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

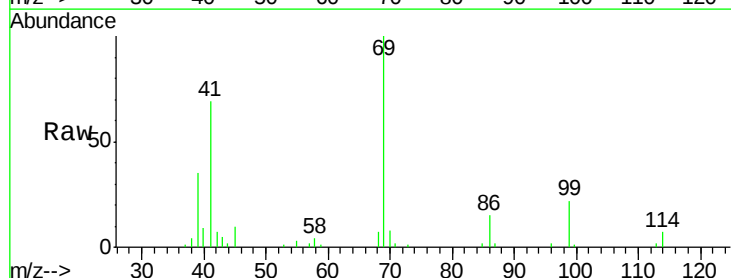
Tgt Ion: 69 Resp: 103650

Ion Ratio Lower Upper

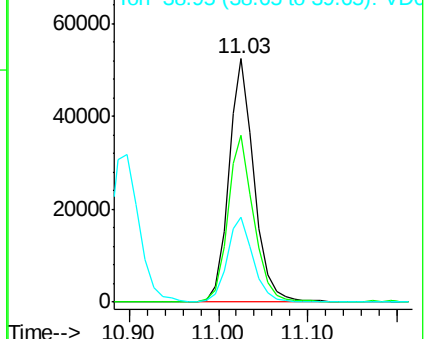
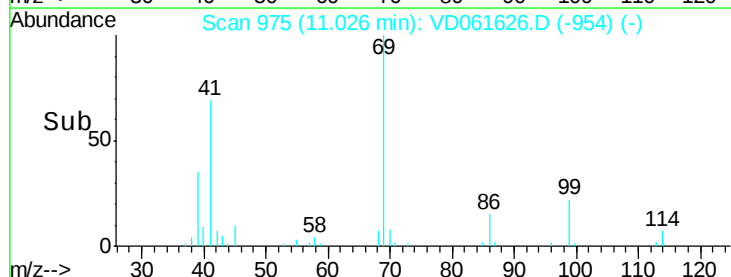
69 100

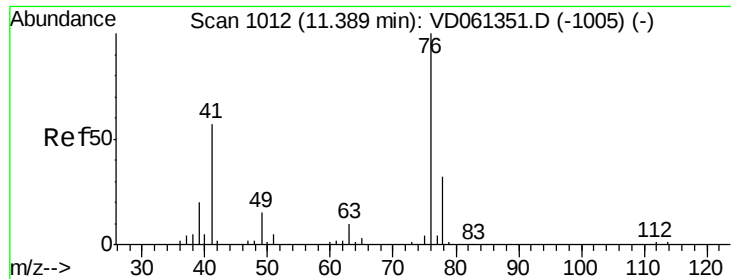
41 68.6 53.8 80.6

39 35.0 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

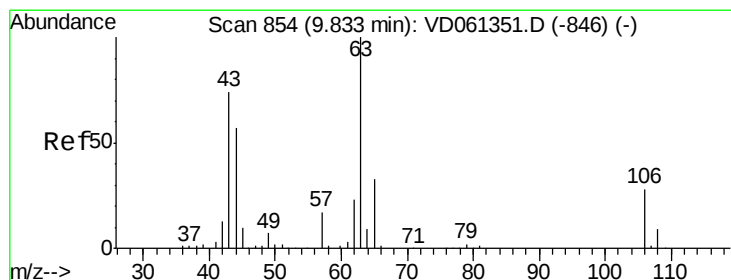
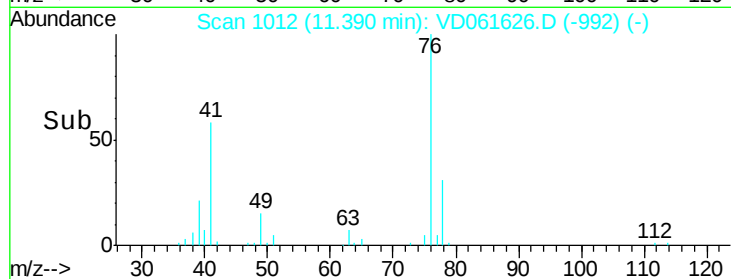
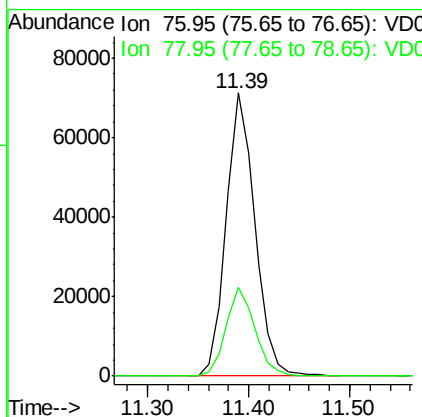
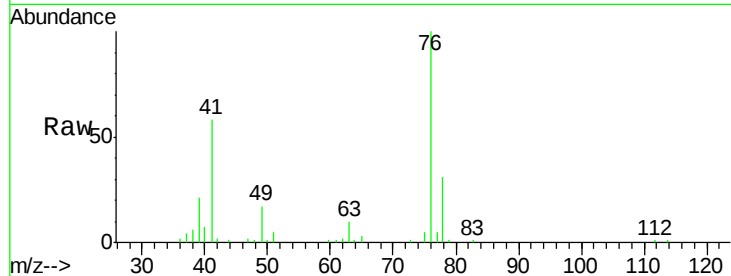




#57
 1,3-Dichloropropane
 Concen: 25.663 ug/l
 RT: 11.39 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

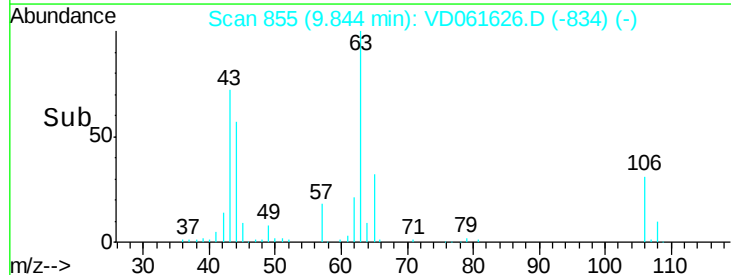
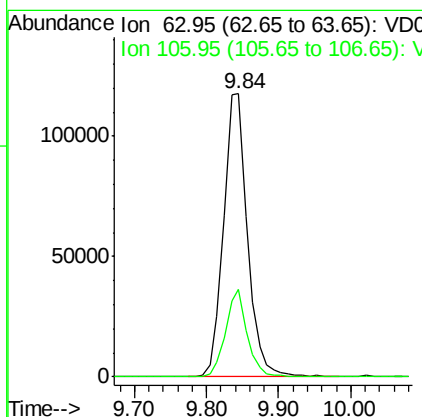
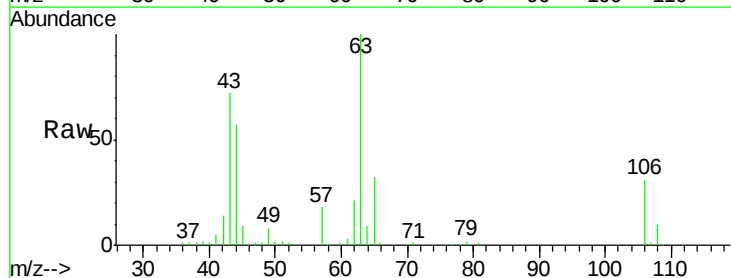
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 76 Resp: 141054
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 137.783 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion: 63 Resp: 269554
 Ion Ratio Lower Upper
 63 100
 106 30.8 22.4 33.6

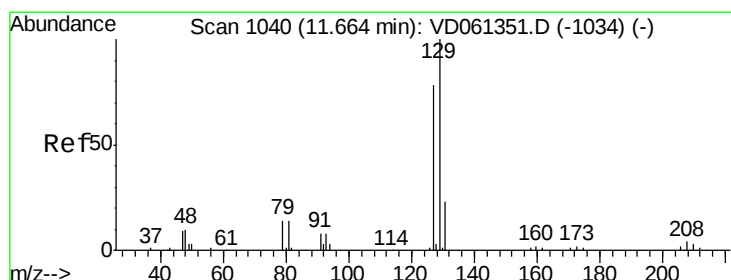
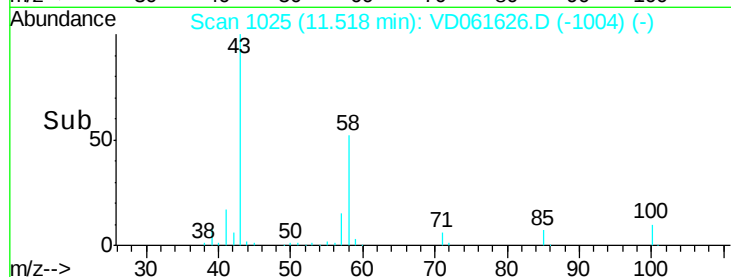
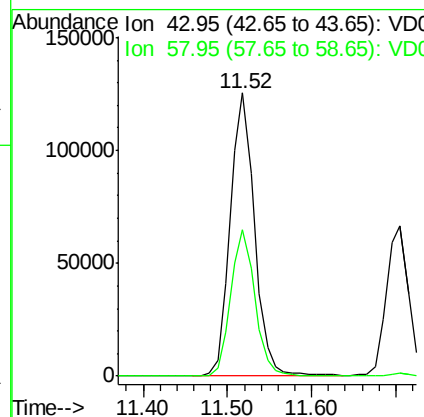
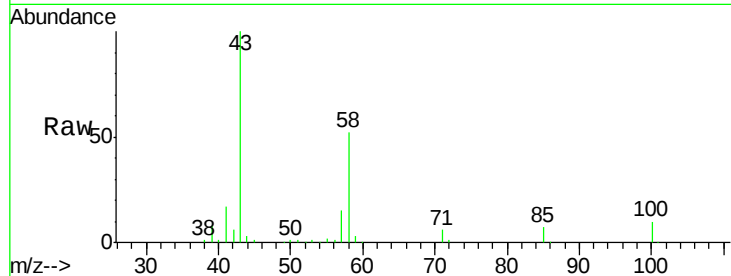




#59
2-Hexanone
Concen: 131.132 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

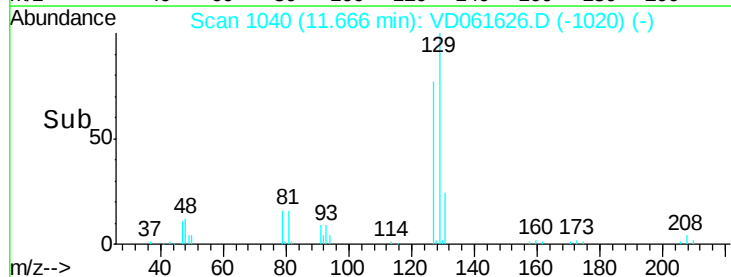
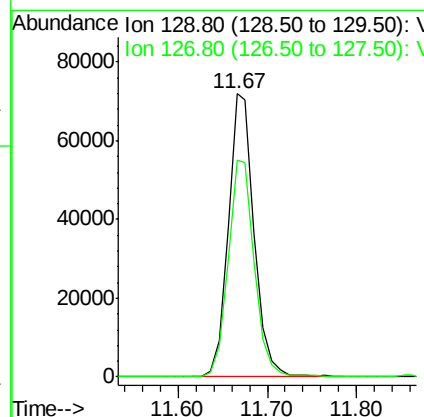
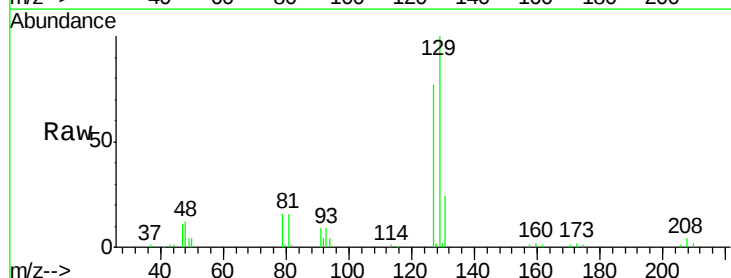
Instrument :
MSVOA_D
ClientSampleID :

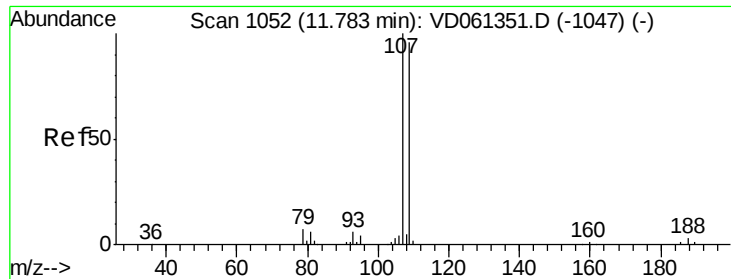
Tot Ion: 43 Resp: 251190
Ion Ratio Lower Upper
43 100
58 51.6 26.3 78.9



#60
Dibromochloromethane
Concen: 25.372 ug/l
RT: 11.67 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion:129 Resp: 146267
Ion Ratio Lower Upper
129 100
127 76.5 39.0 116.9

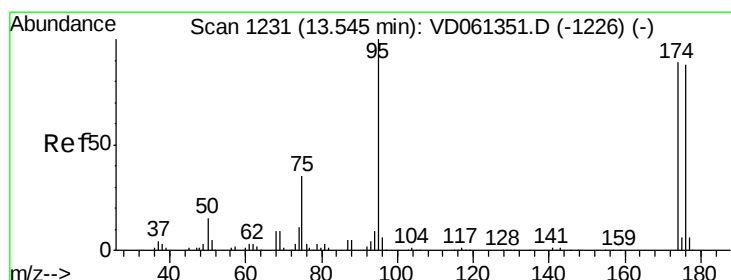
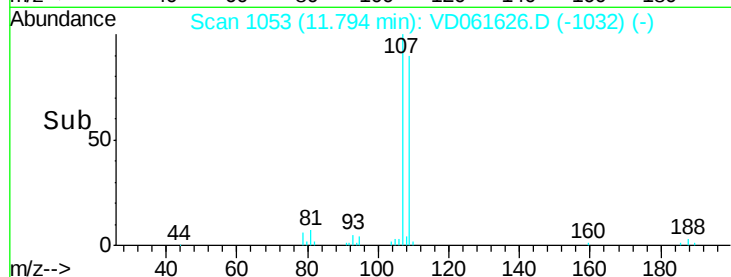
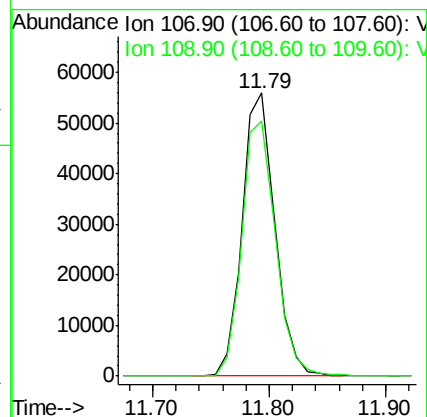
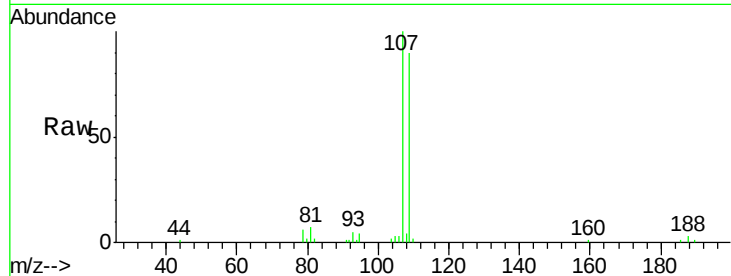




#61
 1,2-Dibromoethane
 Concen: 25.009 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

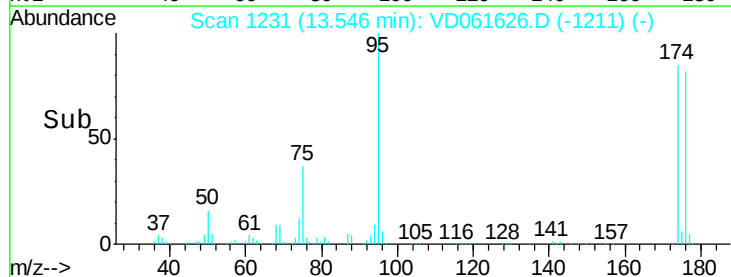
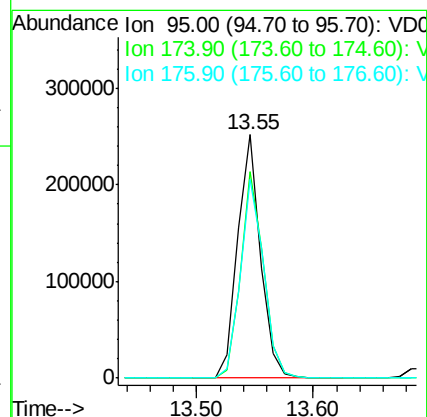
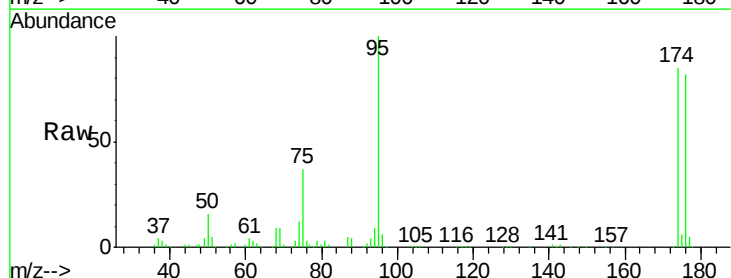
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 107 Resp: 108294
 Ion Ratio Lower Upper
 107 100
 109 90.1 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 25.009 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion: 95 Resp: 340799
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 178.0
 176 81.9 0.0 175.0

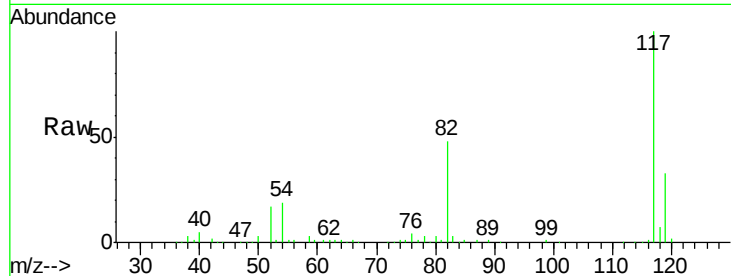




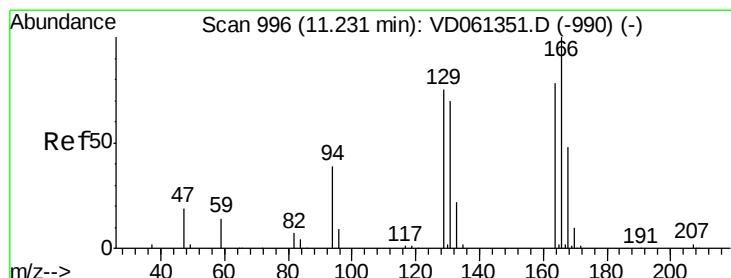
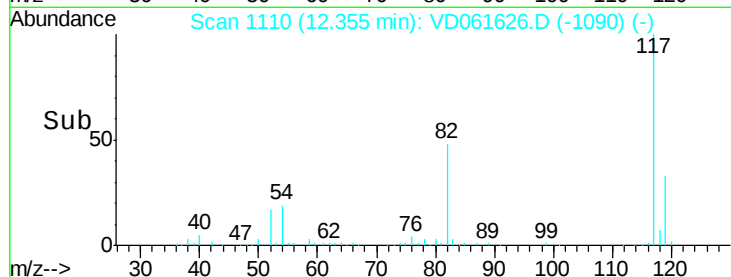
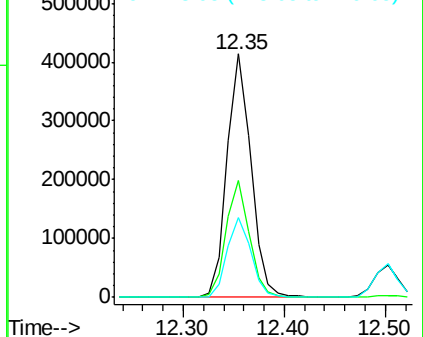
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 682710
Ion Ratio Lower Upper
117 100
82 48.0 34.4 51.6
119 32.5 25.8 38.6

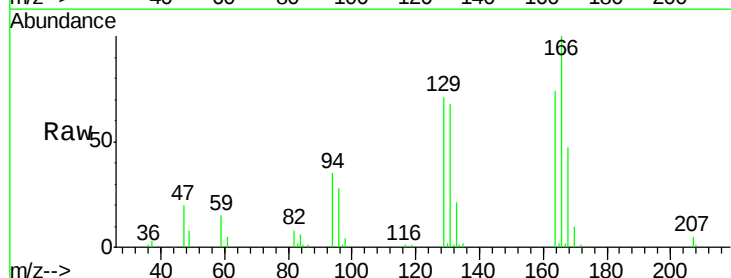


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

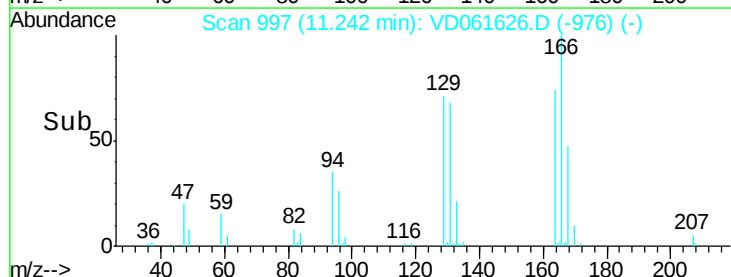
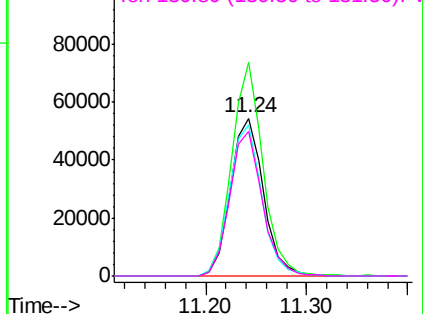


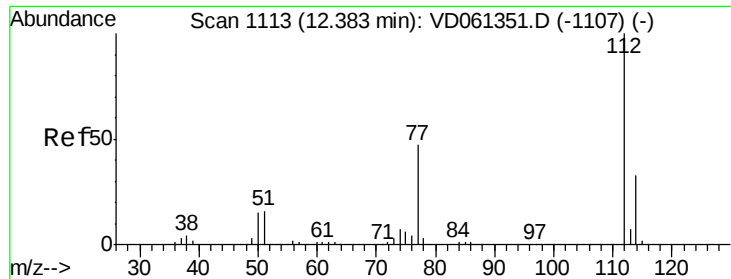
#64
Tetrachloroethene
Concen: 22.936 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion:164 Resp: 122893
Ion Ratio Lower Upper
164 100
166 135.3 102.4 153.6
129 95.7 76.8 115.2
131 91.9 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

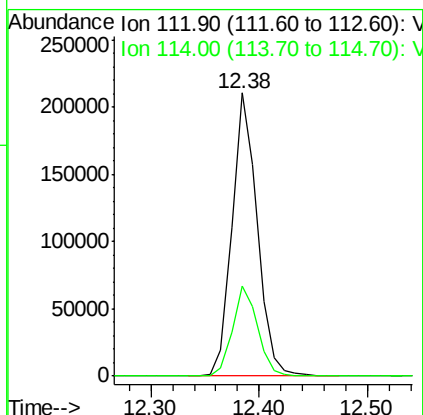
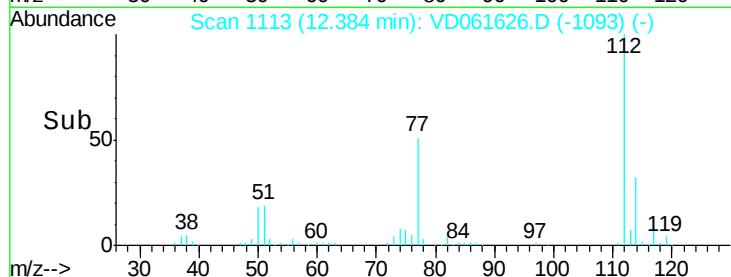
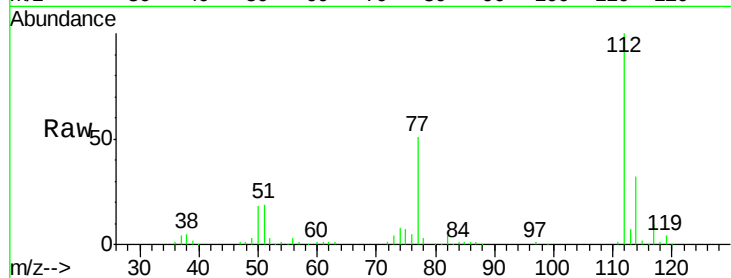




#65
Chlorobenzene
Concen: 24.438 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

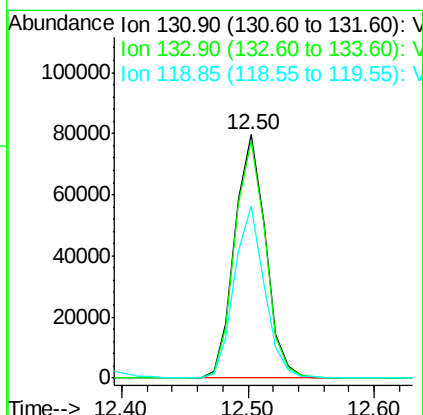
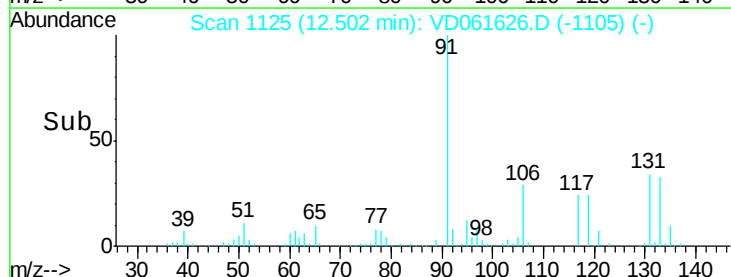
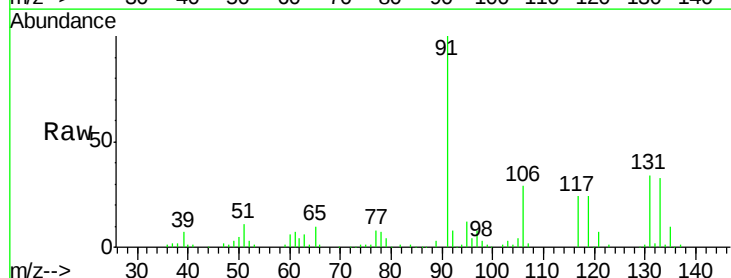
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 340970
Ion Ratio Lower Upper
112 100
114 32.0 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 24.979 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion:131 Resp: 134944
Ion Ratio Lower Upper
131 100
133 97.4 49.4 148.2
119 70.7 34.1 102.2

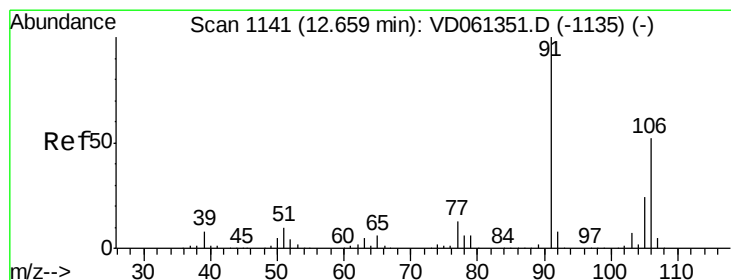
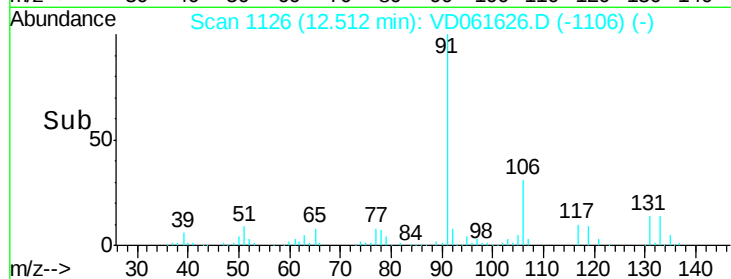
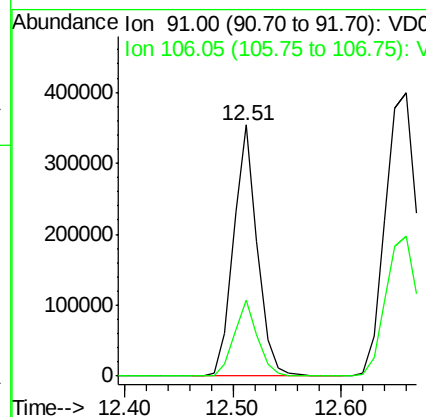
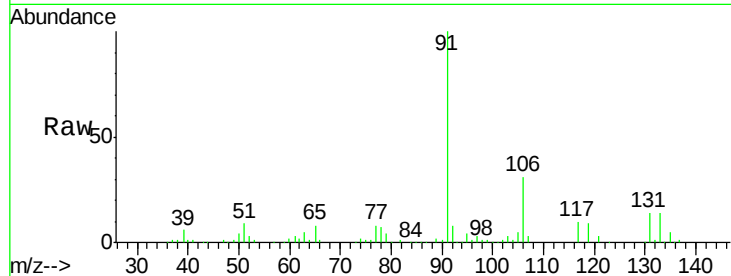




#67
Ethyl Benzene
Concen: 25.358 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

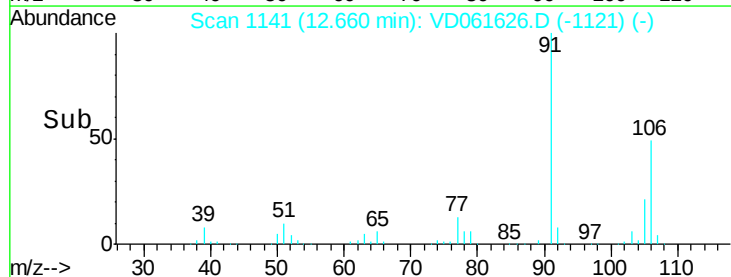
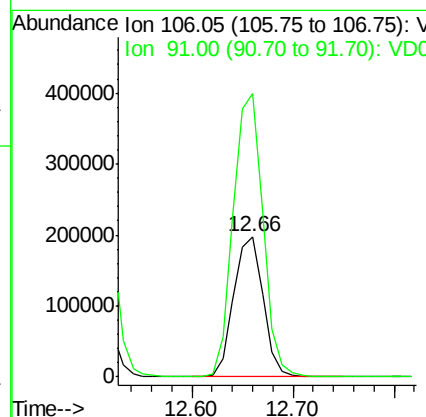
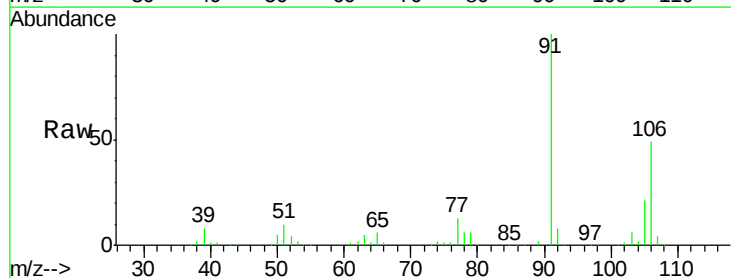
Instrument :
MSVOA_D
ClientSampled :

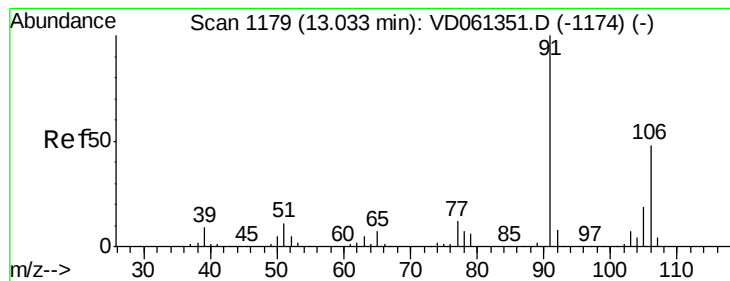
Tot Ion: 91 Resp: 540028
Ion Ratio Lower Upper
91 100
106 30.5 26.1 39.1



#68
m/p-Xylenes
Concen: 49.685 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 106 Resp: 400820
Ion Ratio Lower Upper
106 100
91 202.2 153.1 229.7





#69

o-Xylene

Concen: 21.601 ug/l

RT: 13.03 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

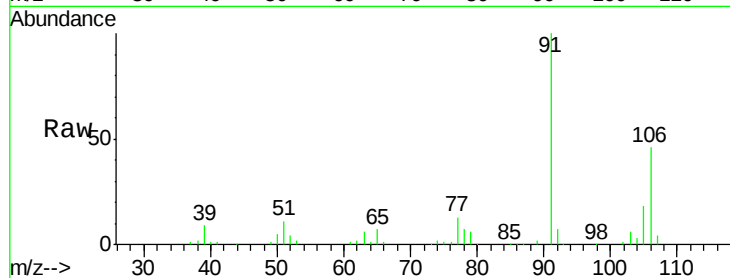
ClientSampleId :

Tot Ion:106 Resp: 169103

Ion Ratio Lower Upper

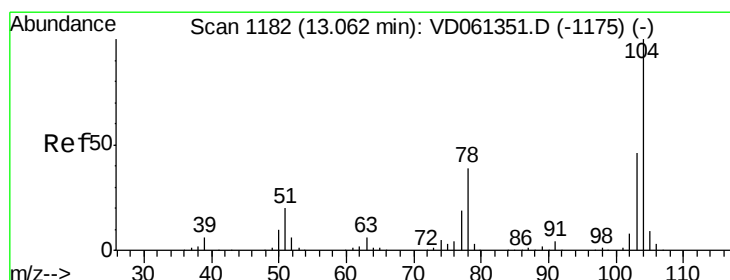
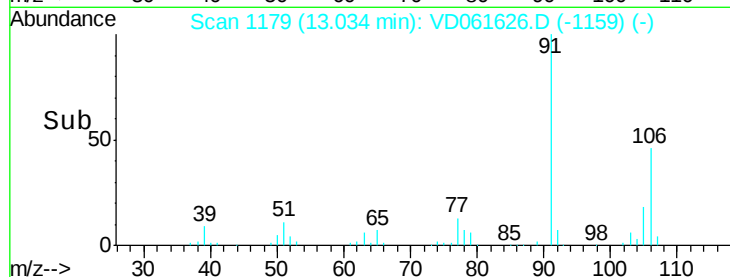
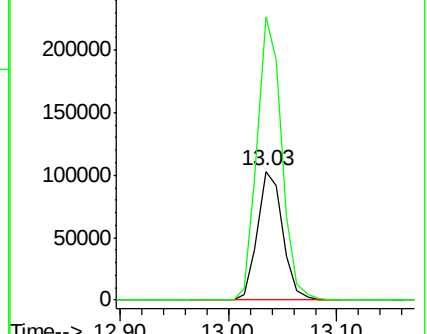
106 100

91 219.4 103.8 311.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 21.819 ug/l

RT: 13.06 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

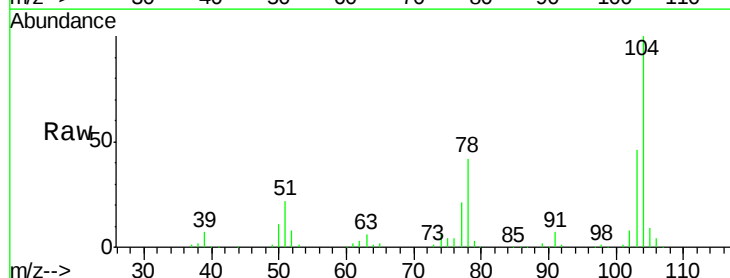
Tgt Ion:104 Resp: 297760

Ion Ratio Lower Upper

104 100

78 41.9 31.0 46.6

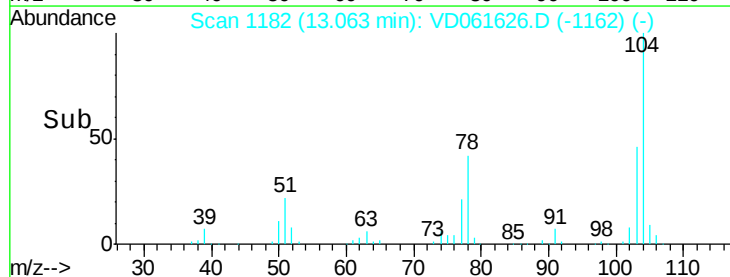
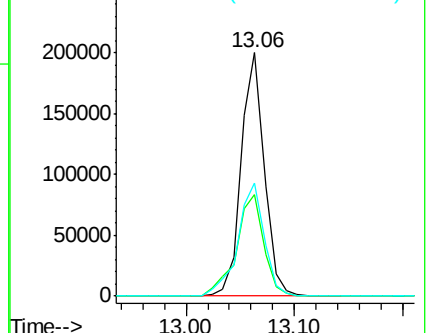
103 46.2 37.0 55.4



Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V

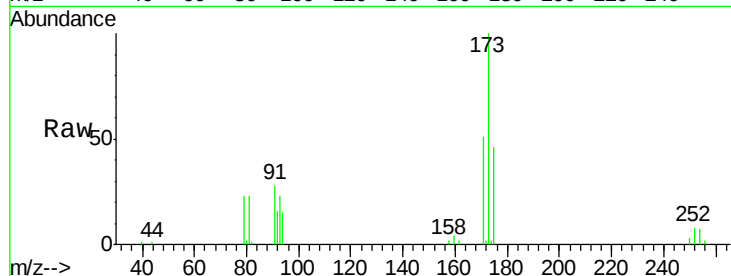




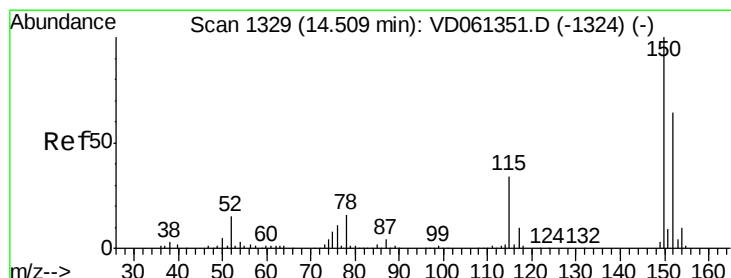
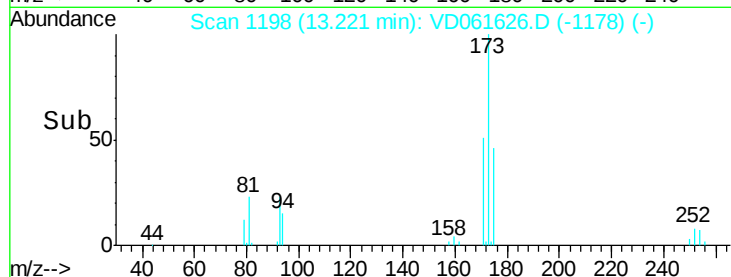
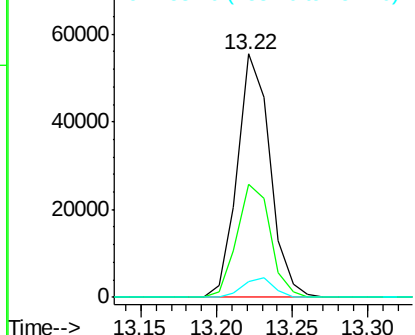
#71
Bromoform
Concen: 24.387 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 83514
Ion Ratio Lower Upper
173 100
175 46.4 24.6 73.8
254 6.5 6.6 10.0#

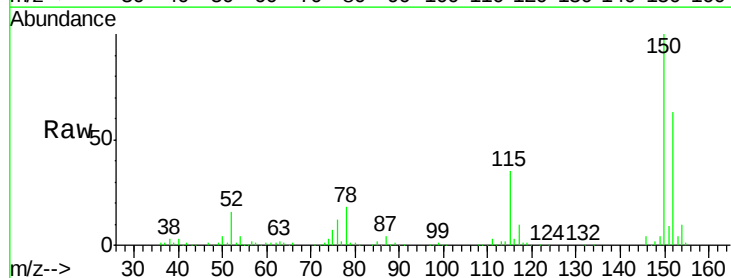


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

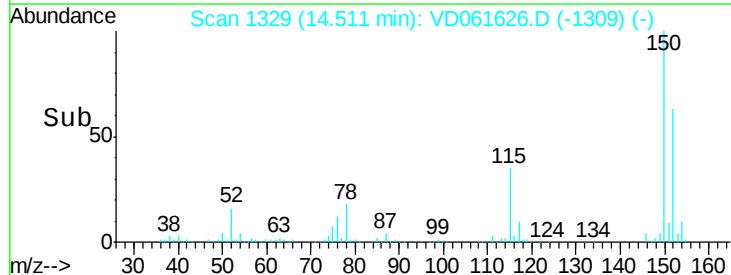
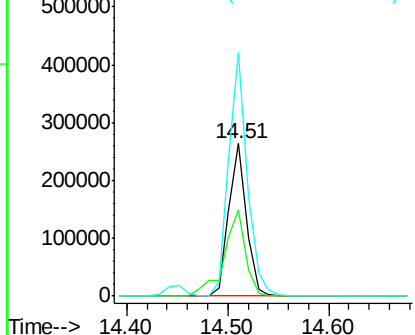


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion:152 Resp: 320643
Ion Ratio Lower Upper
152 100
115 56.3 26.9 80.6
150 159.5 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: 25.412 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

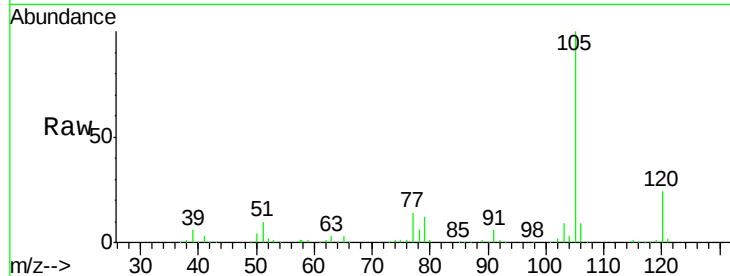
ClientSampleId :

Tot Ion:105 Resp: 567112

Ion Ratio Lower Upper

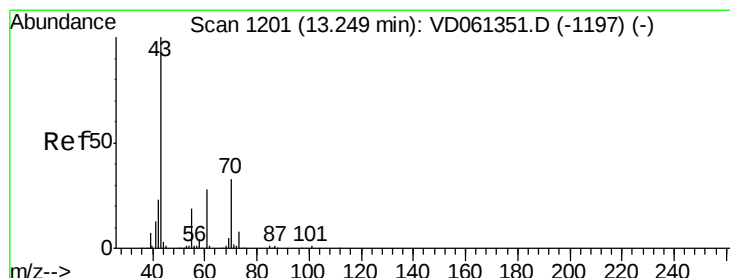
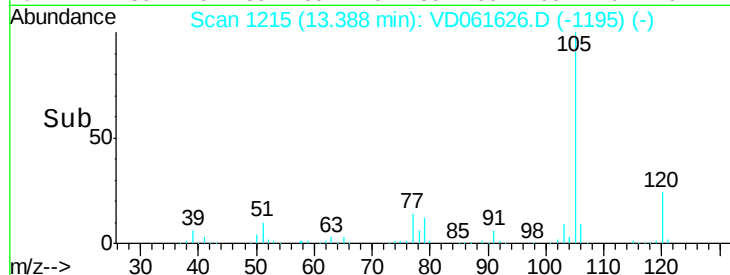
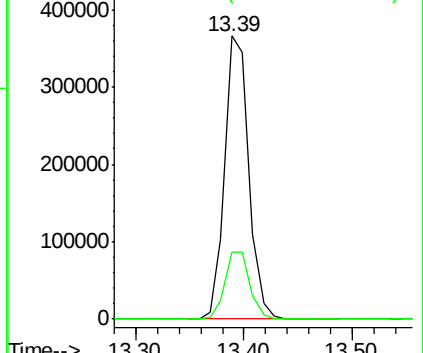
105 100

120 23.9 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: 20.612 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Tgt Ion: 43 Resp: 128138

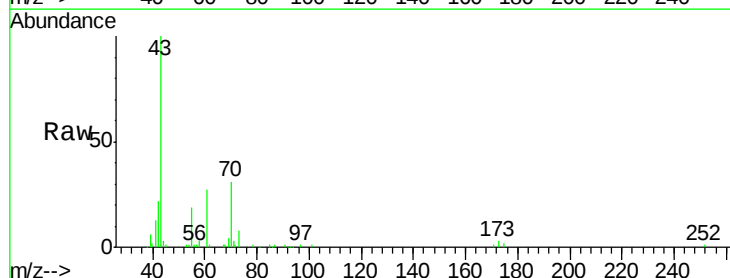
Ion Ratio Lower Upper

43 100

70 30.7 26.6 40.0

55 19.5 15.4 23.2

61 26.9 22.2 33.4

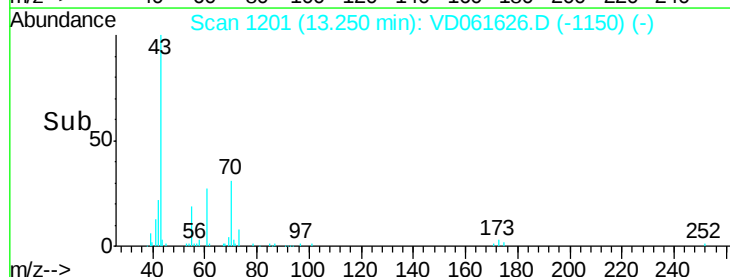
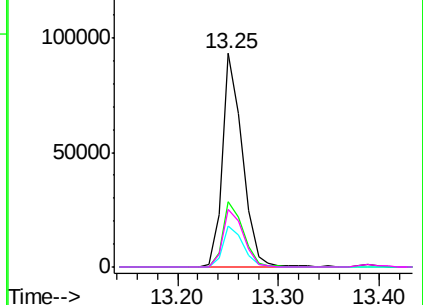


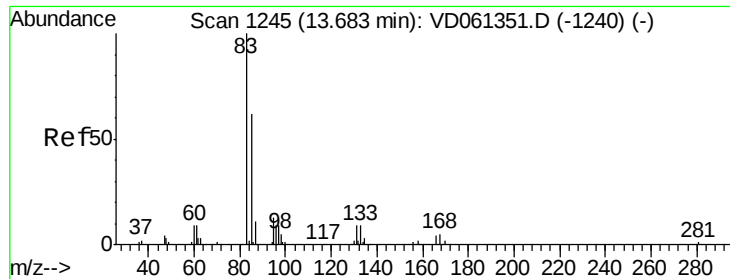
Abundance Ion 42.95 (42.65 to 43.65): V

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: 22.459 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

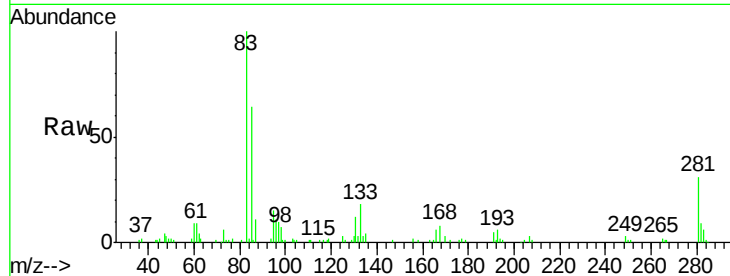
Tot Ion: 83 Resp: 105727

Ion	Ratio	Lower	Upper
83	100		
131	11.8	4.3	13.1
85	64.1	31.2	93.6

83 100

131 11.8 4.3 13.1

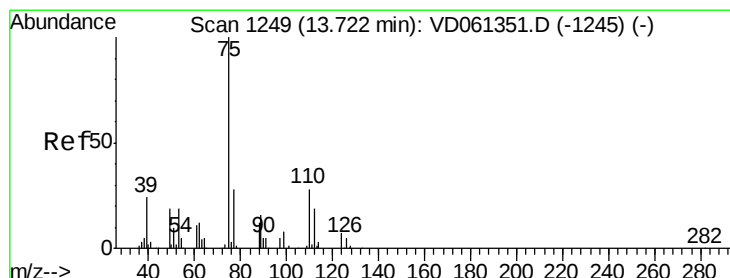
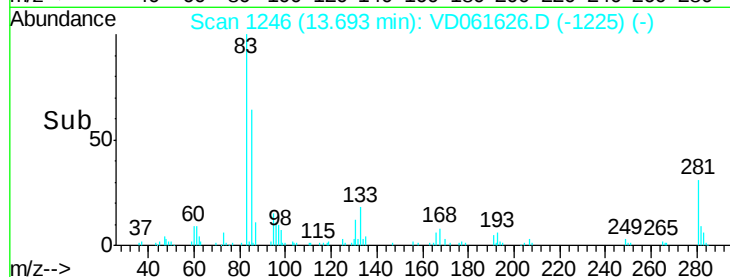
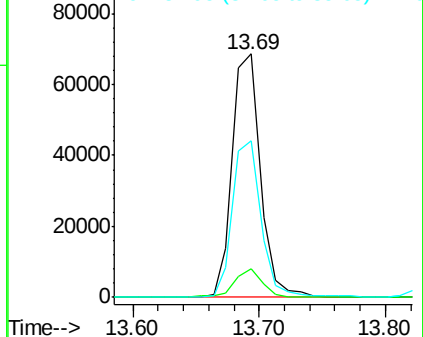
85 64.1 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.374 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VD061626.D

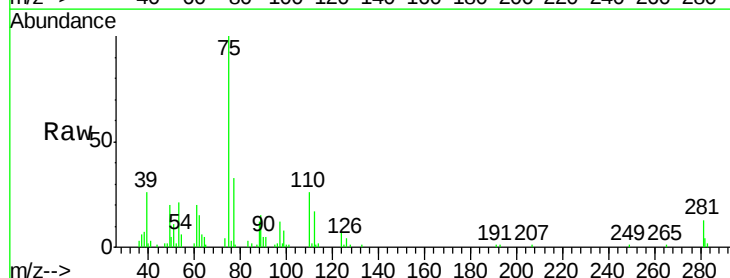
Acq: 5 Apr 2019 17:40

Tgt Ion: 75 Resp: 103632

Ion	Ratio	Lower	Upper
75	100		
77	32.9	16.2	48.5

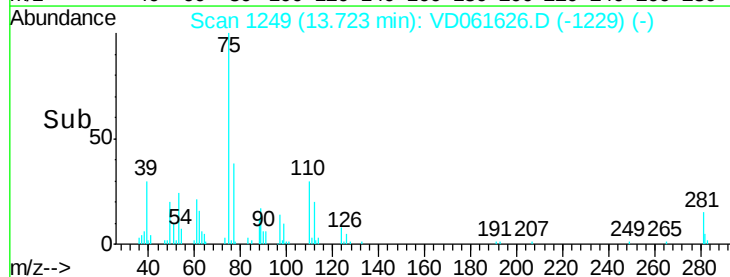
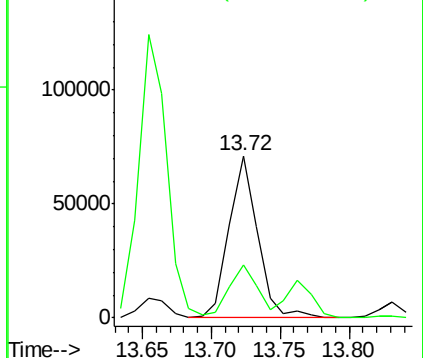
75 100

77 32.9 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.778 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

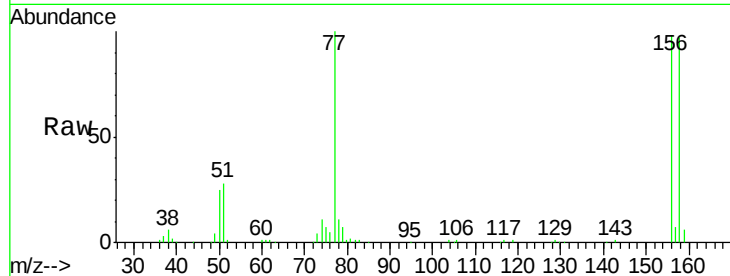
Tot Ion:156 Resp: 144082

Ion Ratio Lower Upper

156 100

77 101.5 68.5 205.6

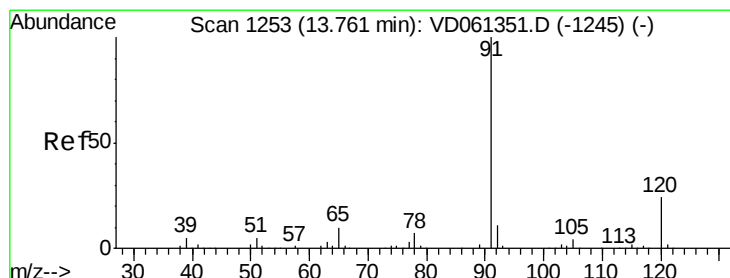
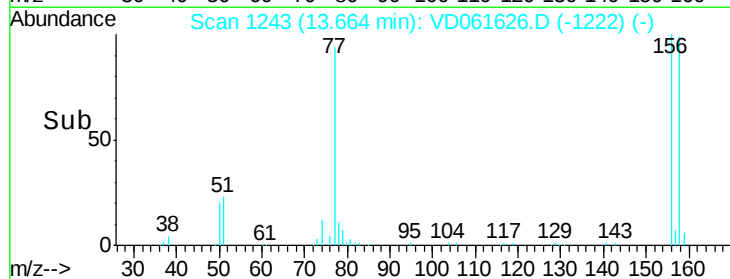
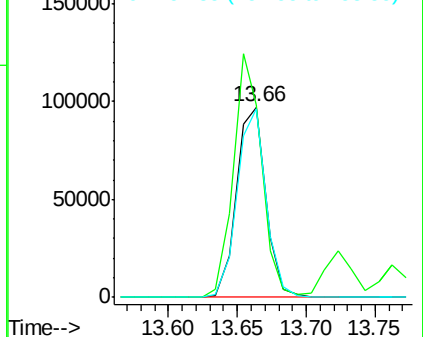
158 98.9 49.1 147.3



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: 21.306 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VD061626.D

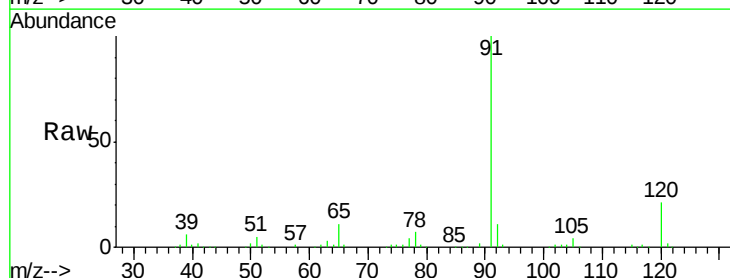
Acq: 5 Apr 2019 17:40

Tgt Ion: 91 Resp: 581874

Ion Ratio Lower Upper

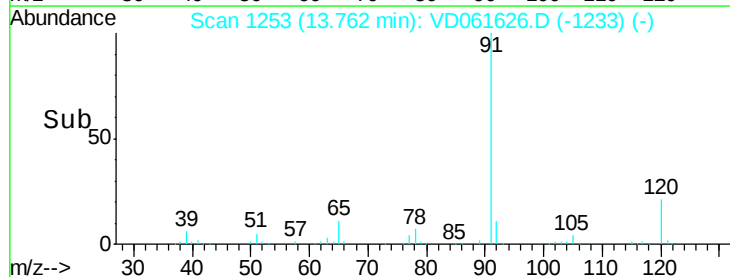
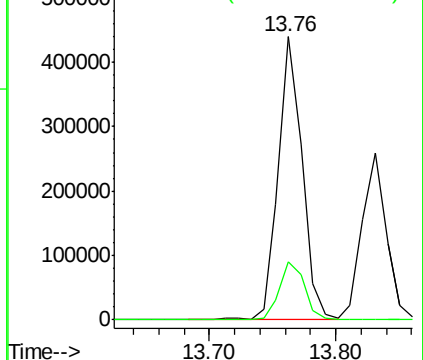
91 100

120 20.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 23.215 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

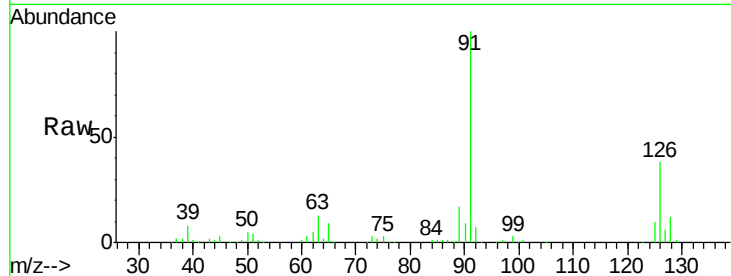
ClientSampleId :

Tot Ion: 91 Resp: 344253

Ion Ratio Lower Upper

91 100

126 38.1 19.4 58.2



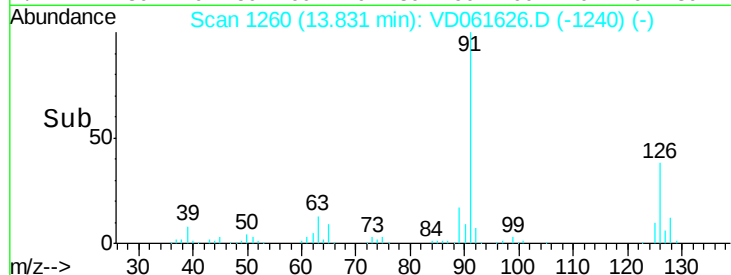
Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)

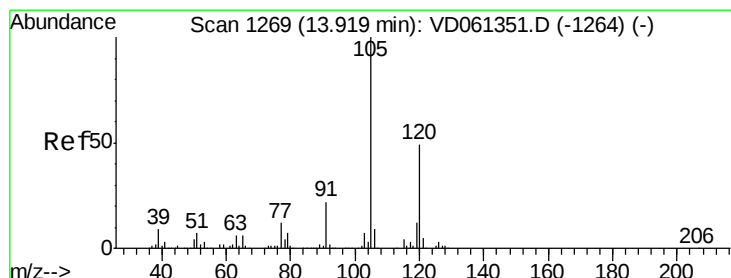
13.83

13.85

13.90



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 24.467 ug/l

RT: 13.92 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD061626.D

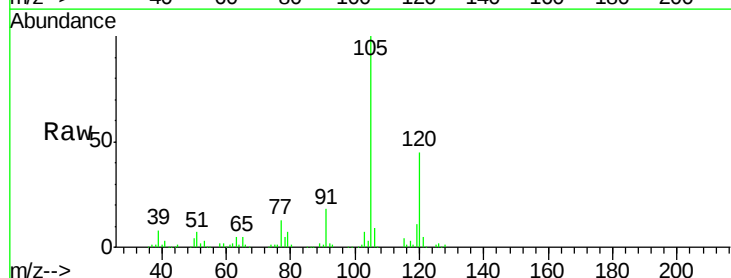
Acq: 5 Apr 2019 17:40

Tgt Ion:105 Resp: 423646

Ion Ratio Lower Upper

105 100

120 44.9 24.6 73.6



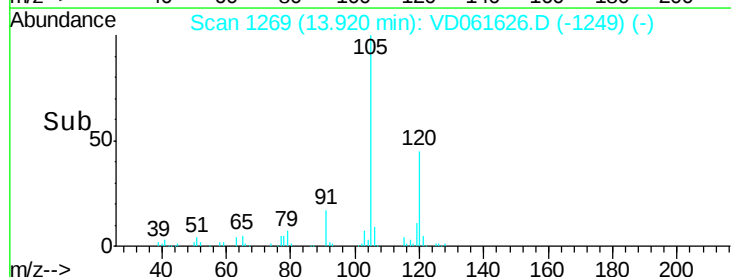
Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)

13.92

13.90

14.00



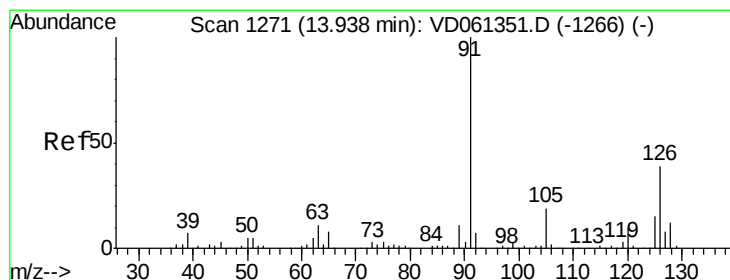
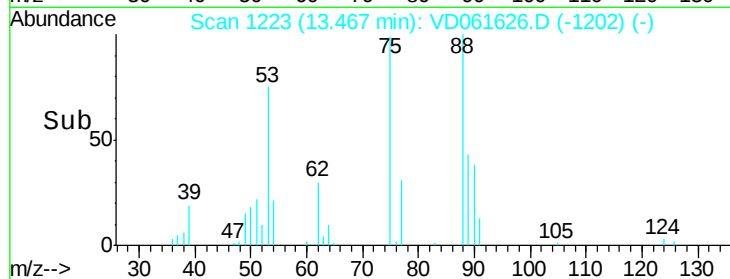
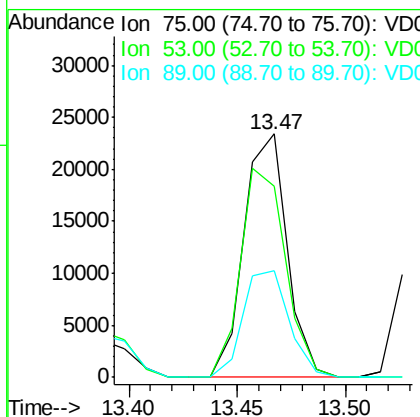
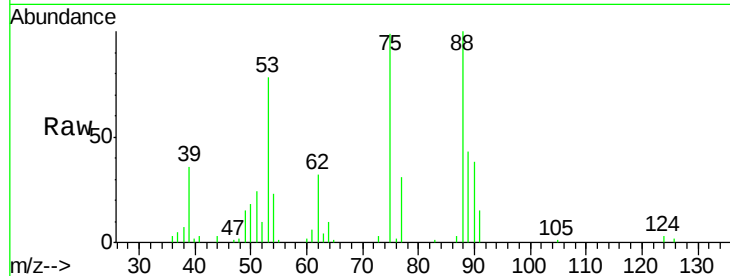
Time-->



#81
trans-1,4-Dichloro-2-butene
Concen: 23.167 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

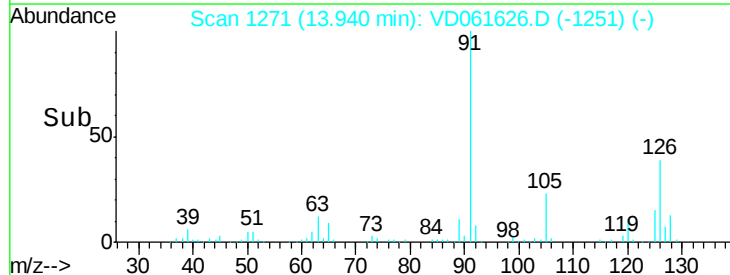
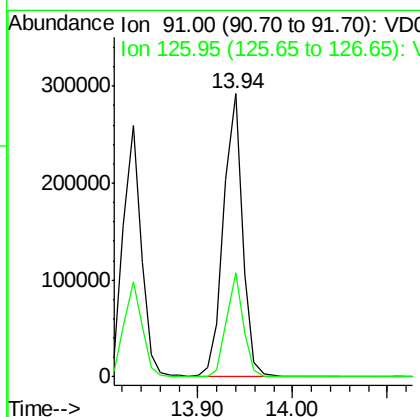
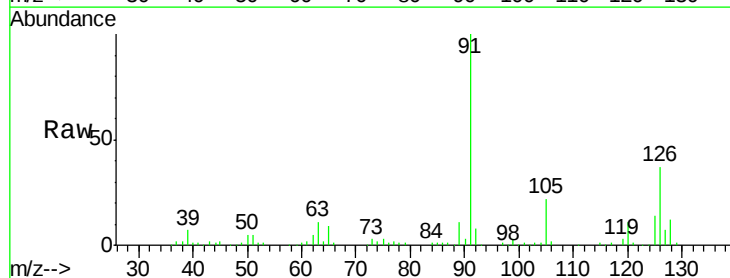
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 32717
Ion Ratio Lower Upper
75 100
53 78.5 63.8 95.8
89 43.6 30.5 45.7



#82
4-Chlorotoluene
Concen: 25.086 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 91 Resp: 404475
Ion Ratio Lower Upper
91 100
126 36.8 19.6 58.8

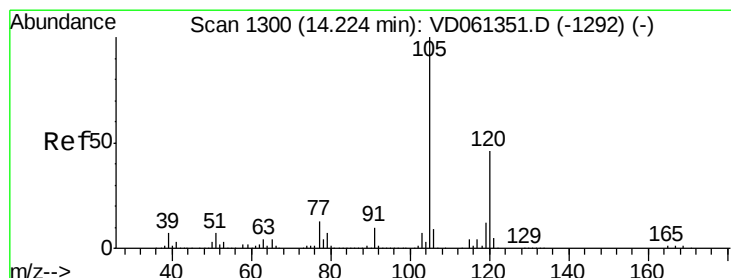
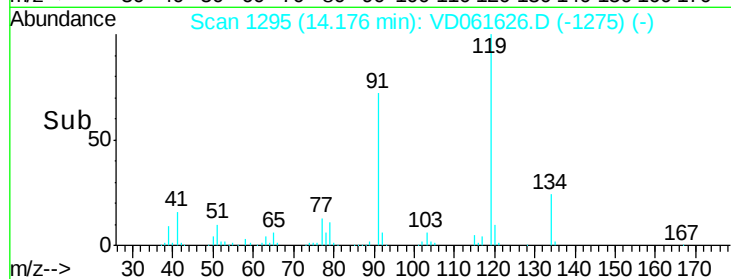
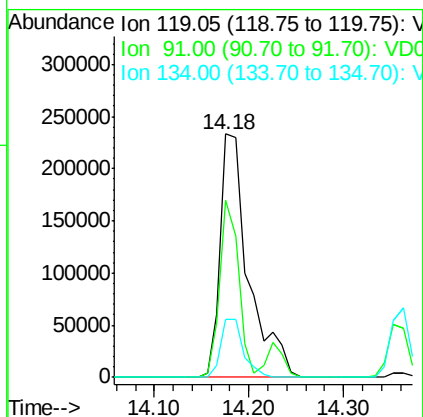
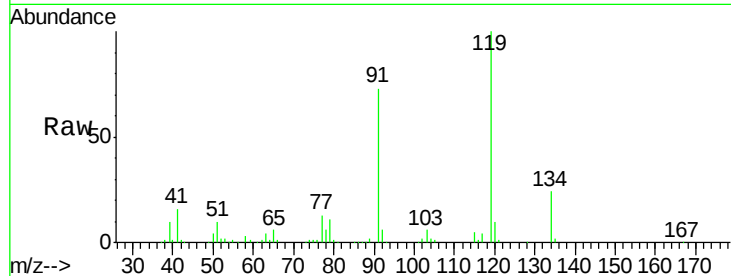




#83
tert-Butylbenzene
Concen: 22.406 ug/l
RT: 14.18 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

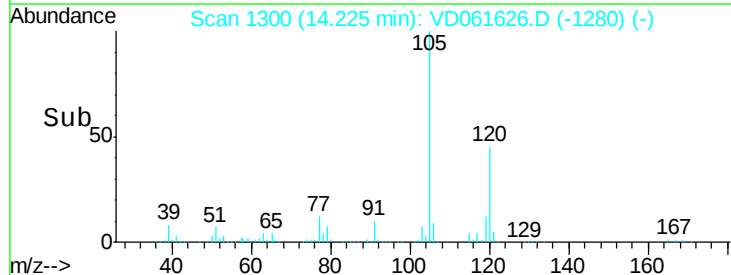
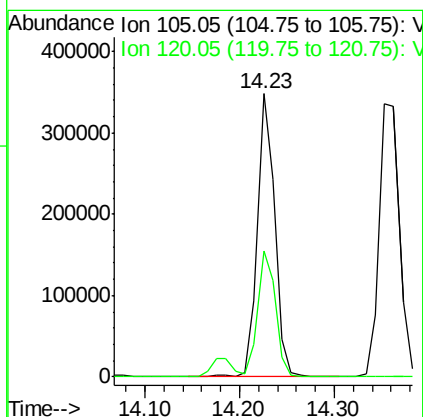
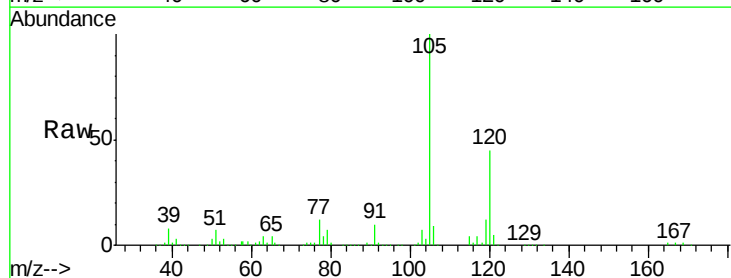
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 484844
Ion Ratio Lower Upper
119 100
91 72.8 34.1 102.3
134 23.8 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 23.652 ug/l
RT: 14.23 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion:105 Resp: 443374
Ion Ratio Lower Upper
105 100
120 44.6 22.8 68.4





#85

sec-Butylbenzene

Concen: 22.031 ug/l

RT: 14.35 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

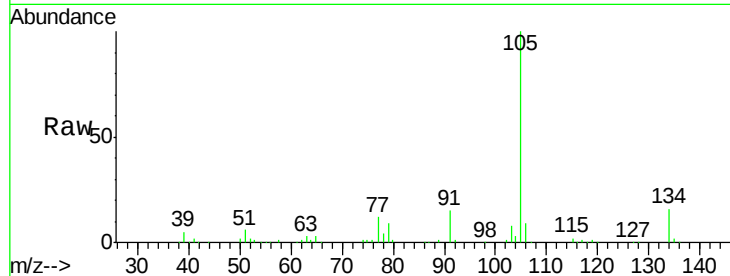
ClientSampleId :

Tot Ion:105 Resp: 506442

Ion Ratio Lower Upper

105 100

134 16.1 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.35

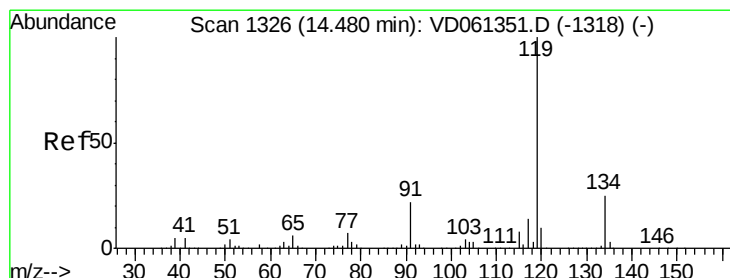
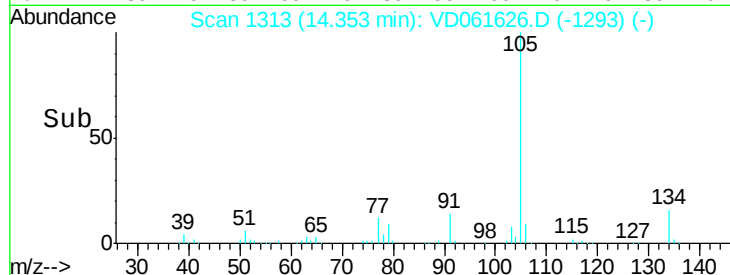
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.442 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

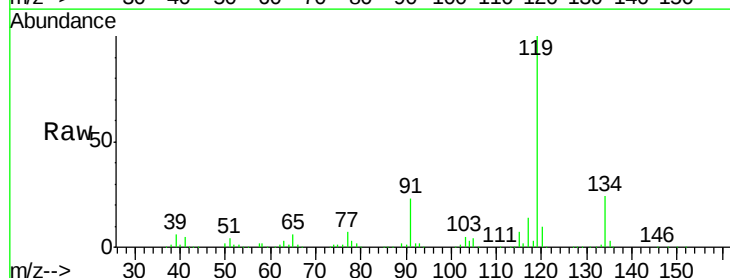
Tgt Ion:119 Resp: 436244

Ion Ratio Lower Upper

119 100

134 24.1 12.3 36.8

91 22.8 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

14.48

500000

400000

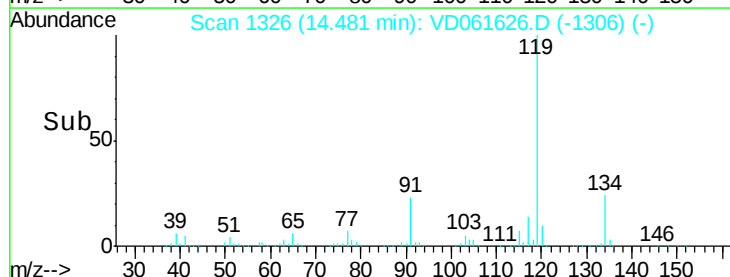
300000

200000

100000

0

Time-->

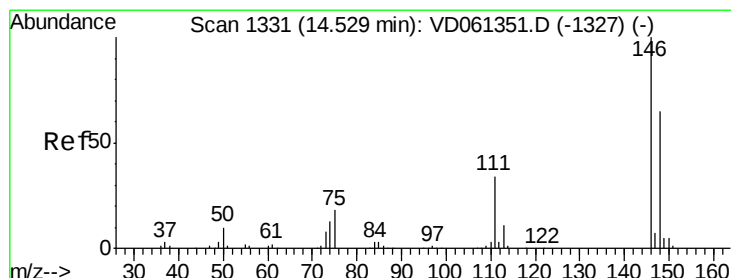
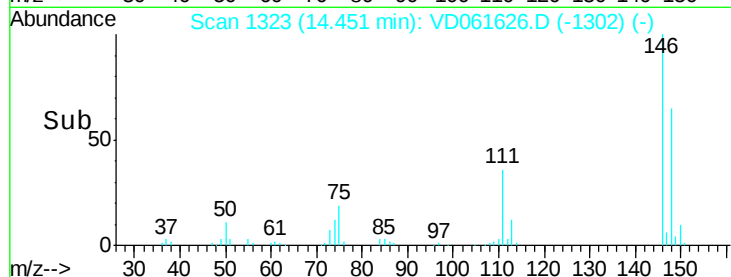
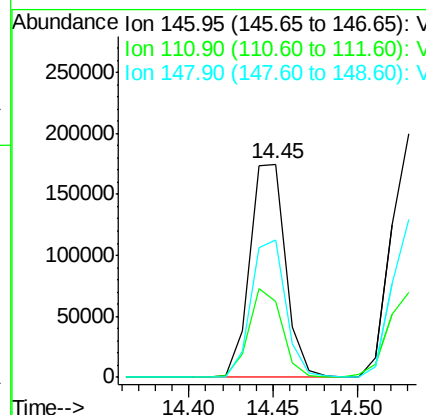
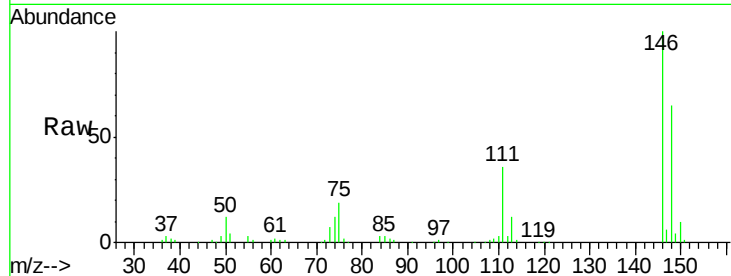




#87
 1,3-Dichlorobenzene
 Concen: 22.982 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

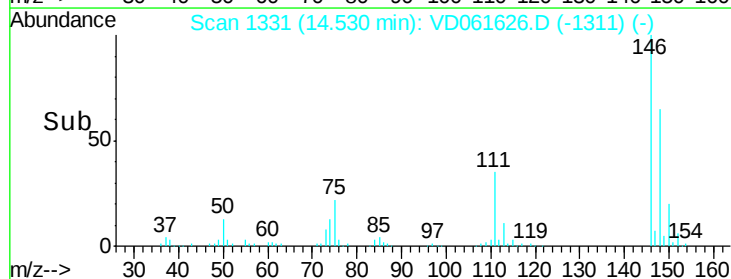
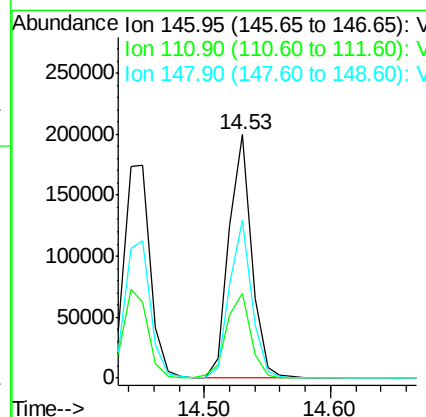
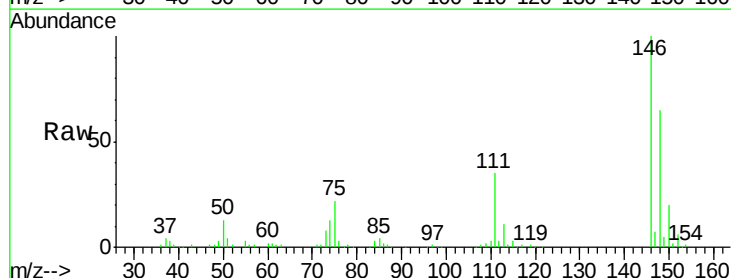
Instrument :
 MSVOA_D
 ClientSampled :

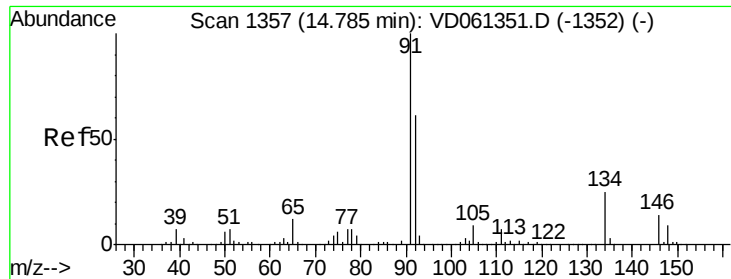
Tot Ion:146 Resp: 257476
 Ion Ratio Lower Upper
 146 100
 111 35.8 20.6 61.9
 148 64.7 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 22.650 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion:146 Resp: 247464
 Ion Ratio Lower Upper
 146 100
 111 34.8 16.8 50.4
 148 64.8 32.6 98.0





#89

n-Butylbenzene

Concen: 22.789 ug/l

RT: 14.79 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampled :

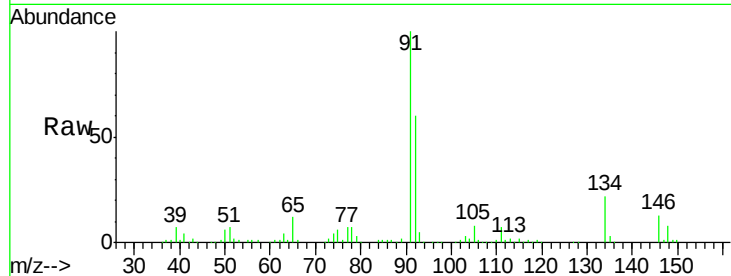
Tot Ion: 91 Resp: 406596

Ion Ratio Lower Upper

91 100

92 60.1 30.3 91.0

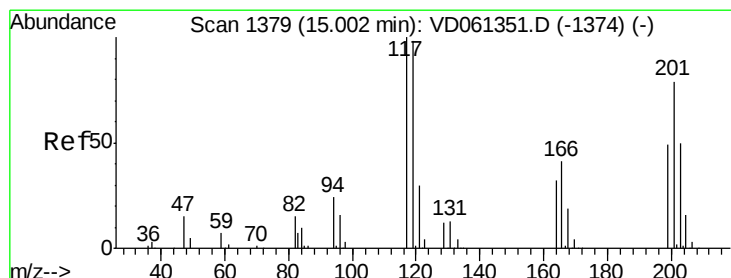
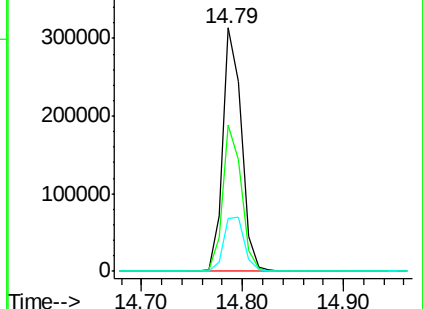
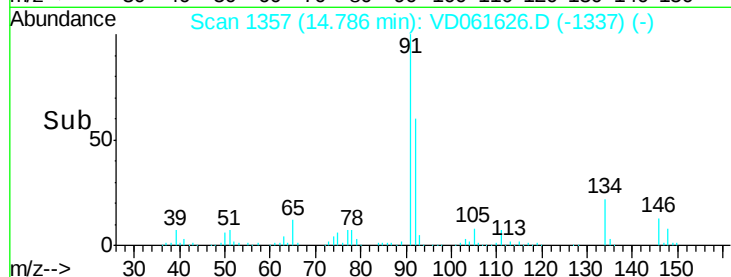
134 21.8 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 20.655 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD061626.D

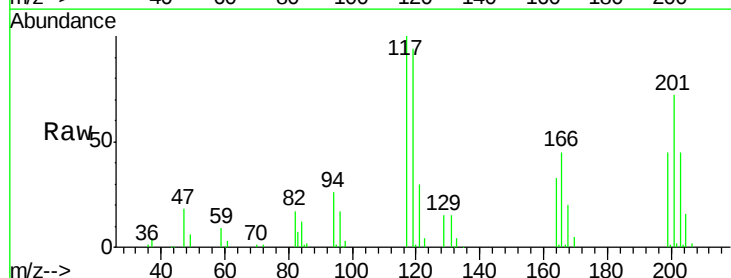
Acq: 5 Apr 2019 17:40

Tgt Ion: 117 Resp: 113431

Ion Ratio Lower Upper

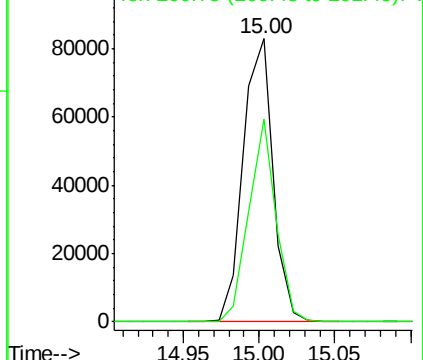
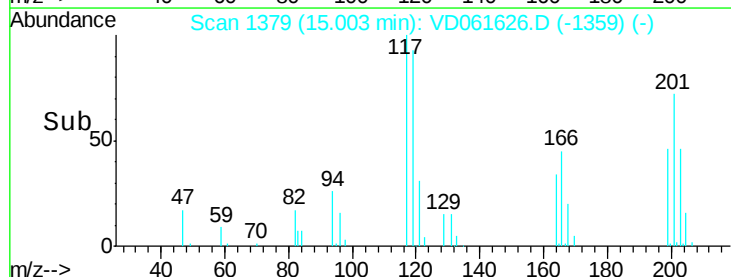
117 100

201 71.6 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

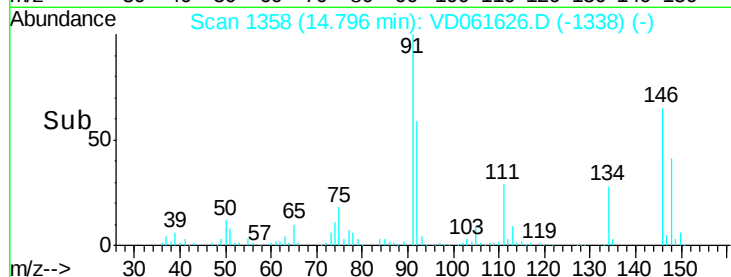
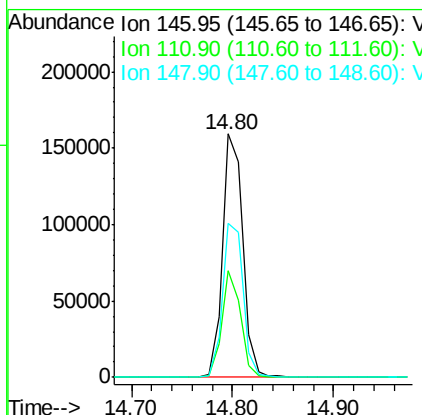
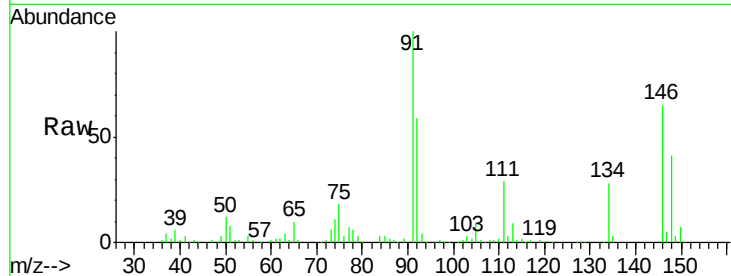




#91
 1,2-Dichlorobenzene
 Concen: 24.226 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

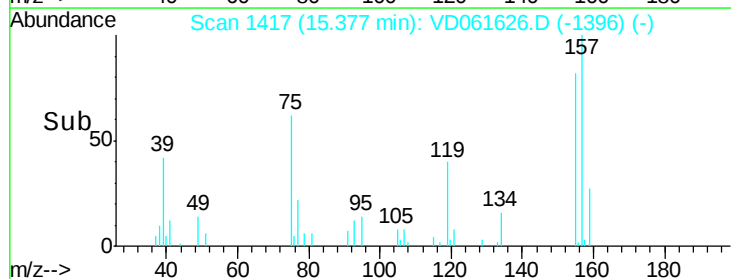
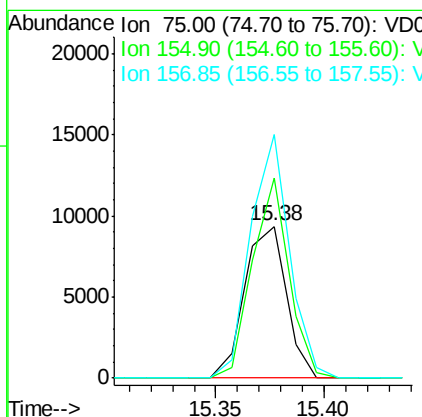
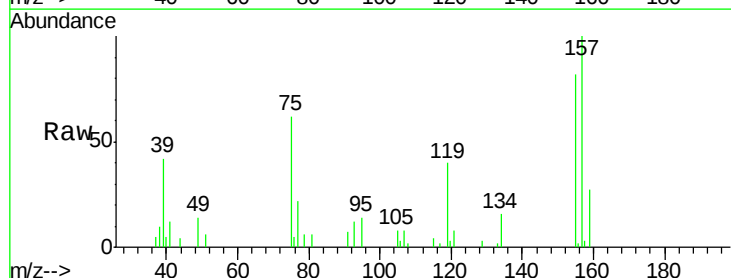
Instrument :
 MSVOA_D
 ClientSampleId :

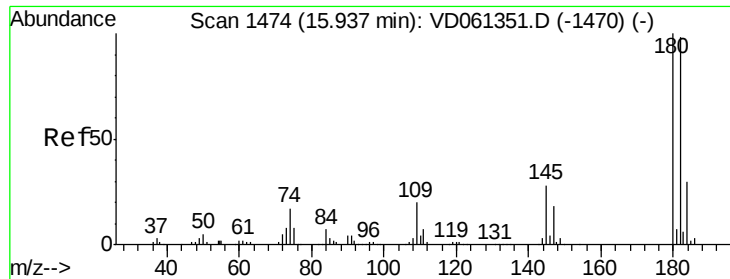
Tot Ion:146 Resp: 222623
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.2 63.6
 148 63.4 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.558 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion: 75 Resp: 12455
 Ion Ratio Lower Upper
 75 100
 155 132.0 43.6 130.9#
 157 160.6 58.5 175.3

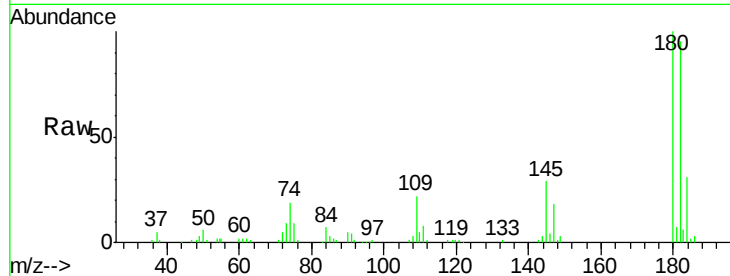




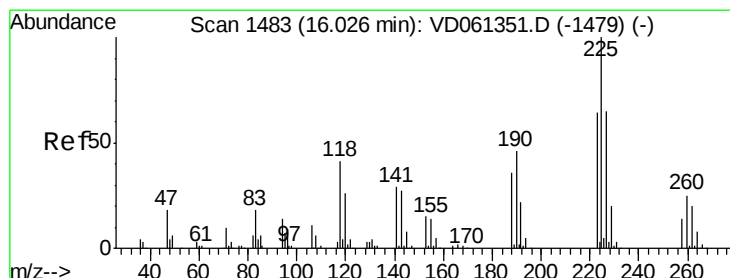
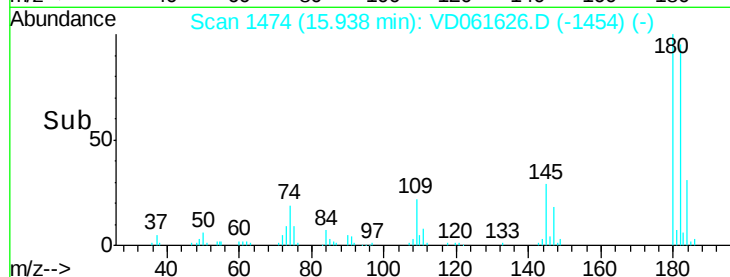
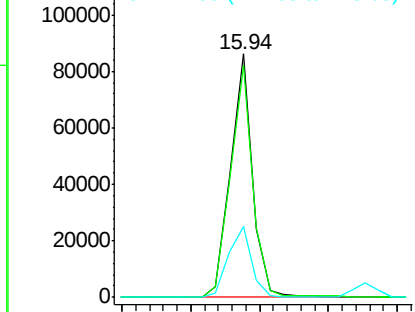
#93
 1,2,4-Trichlorobenzene
 Concen: 22.679 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 94937
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.9 146.8
 145 29.1 14.1 42.3

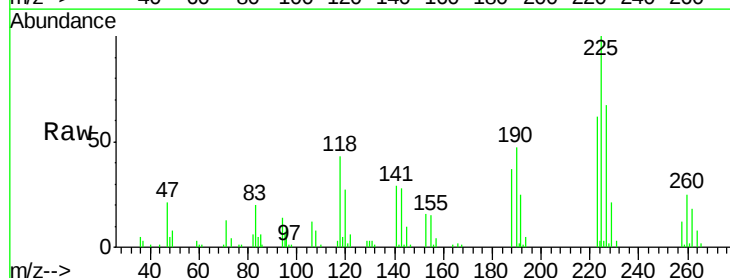


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

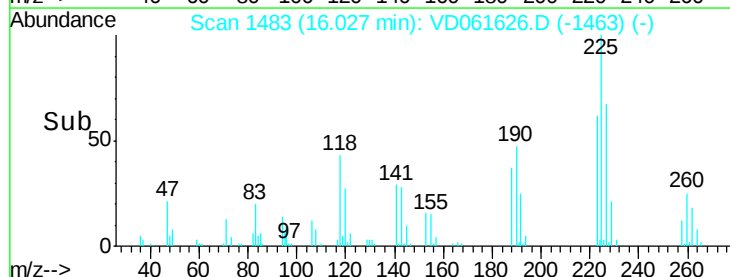
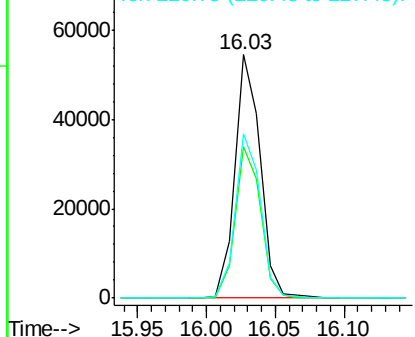


#94
 Hexachlorobutadiene
 Concen: 21.355 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion:225 Resp: 69855
 Ion Ratio Lower Upper
 225 100
 223 62.1 32.0 96.0
 227 67.4 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

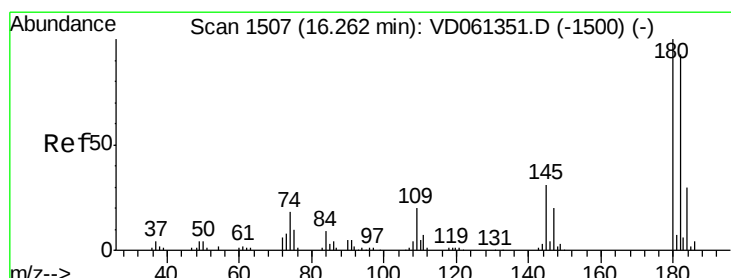
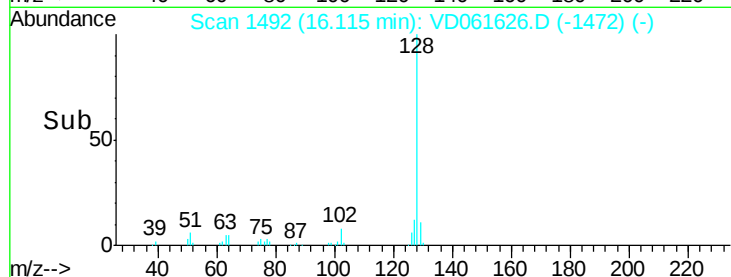
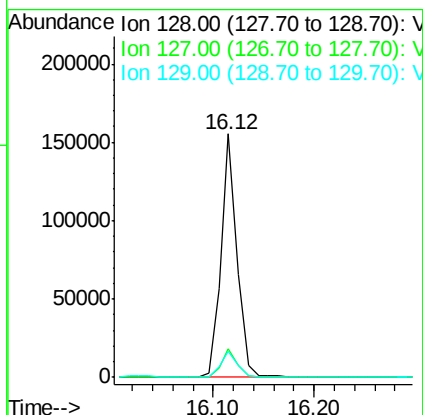
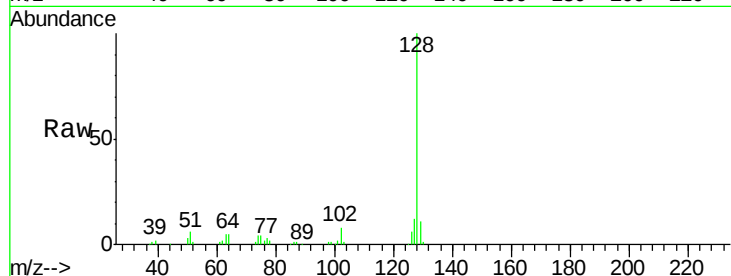




#95
Naphthalene
Concen: 27.049 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 172592
Ion Ratio Lower Upper
128 100
127 12.0 9.9 14.9
129 10.6 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 27.107 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion:180 Resp: 49933
Ion Ratio Lower Upper
180 100
182 101.7 46.4 139.1
145 32.2 15.3 45.9

