

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD042419\
 Data File : VD061989.D
 Acq On : 24 Apr 2019 10:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 24 11:10:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	625300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1046971	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	805091	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	396561	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	245397	50.14	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.28%	
35) Dibromofluoromethane	6.94	113	362519	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.42	98	860707	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	13.56	95	345919	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.58	85	267130	47.843	ug/l 96
3) Chloromethane	1.75	50	212608	44.802	ug/l 97
4) Vinyl Chloride	1.86	62	218978	50.911	ug/l 98
5) Bromomethane	2.15	94	59864	53.757	ug/l 99
6) Chloroethane	2.27	64	74659	48.019	ug/l 95
7) Trichlorofluoromethane	2.54	101	338245	52.011	ug/l 96
8) Diethyl Ether	2.88	74	87239	50.051	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.17	101	287286	47.954	ug/l 99
10) Methyl Iodide	3.32	142	426151	47.050	ug/l 97
11) Tert butyl alcohol	4.06	59	66865	241.817	ug/l 99
12) 1,1-Dichloroethene	3.14	96	236759	46.452	ug/l 97
13) Acrolein	3.04	56	78696	274.300	ug/l 91
14) Allyl chloride	3.63	41	341939	49.131	ug/l 98
15) Acrylonitrile	4.20	53	210430	245.764	ug/l 97
16) Acetone	3.22	43	309023	264.455	ug/l 99
17) Carbon Disulfide	3.39	76	727515	49.395	ug/l 99
18) Methyl Acetate	3.65	43	100333	47.224	ug/l 99
19) Methyl tert-butyl Ether	4.25	73	503069	49.746	ug/l 97
20) Methylene Chloride	3.82	84	267165	46.757	ug/l 99
21) trans-1,2-Dichloroethene	4.23	96	286911	49.070	ug/l 99
22) Diisopropyl ether	5.13	45	849554	52.283	ug/l 99
23) Vinyl Acetate	5.07	43	2180533	257.685	ug/l 98
24) 1,1-Dichloroethane	5.00	63	488846	49.775	ug/l 100
25) 2-Butanone	6.08	43	363732	256.736	ug/l 95
26) 2,2-Dichloropropane	6.04	77	436156	50.906	ug/l 97
27) cis-1,2-Dichloroethene	6.05	96	324462	48.779	ug/l 99
28) Bromochloromethane	6.45	49	158380	42.147	ug/l 98
29) Tetrahydrofuran	6.47	42	166091	237.928	ug/l 99
30) Chloroform	6.68	83	562260	50.404	ug/l 99
31) Cyclohexane	6.98	56	388122	53.242	ug/l 97
32) 1,1,1-Trichloroethane	6.89	97	495775	51.080	ug/l 99
36) 1,1-Dichloropropene	7.16	75	394678	48.385	ug/l 98
37) Ethyl Acetate	6.19	43	178516	51.357	ug/l 95
38) Carbon Tetrachloride	7.12	117	536674	51.921	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	411280	51.104	ug/l	96
40) Benzene	7.47	78	974279	48.246	ug/l	97
41) Methacrylonitrile	6.46	41	194652	47.994	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	349155	50.922	ug/l	100
43) Isopropyl Acetate	9.25	43	242109	47.670	ug/l #	95
44) Trichloroethene	8.55	130	393510	50.263	ug/l	97
45) 1,2-Dichloropropane	8.95	63	247327	48.277	ug/l	100
46) Dibromomethane	9.07	93	179397	48.666	ug/l	97
47) Bromodichloromethane	9.39	83	419593	48.173	ug/l	99
48) Methyl methacrylate	9.13	41	134560	46.435	ug/l	96
49) 1,4-Dioxane	9.08	88	32170	1029.709	ug/l	95
51) 4-Methyl-2-Pentanone	10.31	43	750619	241.663	ug/l	98
52) Toluene	10.52	92	605965	47.062	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	352771	48.251	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	409129	46.010	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	205084	47.443	ug/l	97
56) Ethyl methacrylate	11.05	69	221236	46.210	ug/l	97
57) 1,3-Dichloropropane	11.41	76	319868	47.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	518804	233.076	ug/l	97
59) 2-Hexanone	11.54	43	593718	254.816	ug/l	96
60) Dibromochloromethane	11.69	129	366513	51.242	ug/l	99
61) 1,2-Dibromoethane	11.82	107	236789	46.177	ug/l	99
64) Tetrachloroethene	11.27	164	272366	47.424	ug/l	99
65) Chlorobenzene	12.41	112	737084	48.450	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	323583	50.143	ug/l	94
67) Ethyl Benzene	12.54	91	1226086	49.377	ug/l	99
68) m/p-Xylenes	12.68	106	893786	99.591	ug/l	100
69) o-Xylene	13.06	106	372345	45.344	ug/l	96
70) Styrene	13.08	104	652771	46.039	ug/l	99
71) Bromoform	13.25	173	187346	50.923	ug/l	99
73) Isopropylbenzene	13.41	105	1159371	43.827	ug/l	98
74) N-amyl acetate	13.28	43	284972	41.830	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	228782	44.133	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	250688	49.782	ug/l	97
77) Bromobenzene	13.68	156	337303	44.449	ug/l	97
78) n-propylbenzene	13.79	91	1336578	44.136	ug/l	96
79) 2-Chlorotoluene	13.85	91	873839	47.639	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1022286	48.466	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	73507	48.169	ug/l	97
82) 4-Chlorotoluene	13.95	91	970590	48.048	ug/l	93
83) tert-Butylbenzene	14.20	119	1134276	46.420	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	939732	46.659	ug/l	98
85) sec-Butylbenzene	14.38	105	1164830	44.119	ug/l	97
86) p-Isopropyltoluene	14.50	119	1039871	44.008	ug/l	96
87) 1,3-Dichlorobenzene	14.47	146	584362	43.973	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	592164	47.648	ug/l	97
89) n-Butylbenzene	14.80	91	946013	44.594	ug/l	95
90) Hexachloroethane	15.02	117	315669	49.405	ug/l	84
91) 1,2-Dichlorobenzene	14.82	146	475034	43.335	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	35169	46.134	ug/l	69

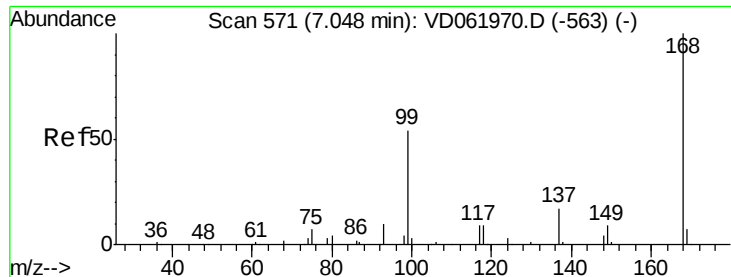
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	281964	47.672	ug/l	97
94) Hexachlorobutadiene	16.04	225	215039	49.129	ug/l	98
95) Naphthalene	16.13	128	458594	48.021	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	167190	49.820	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

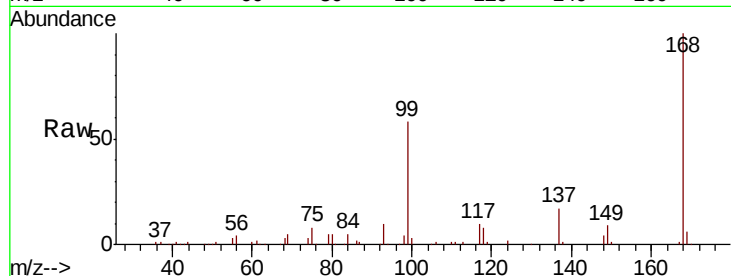
ClientSampled :

Tgt Ion:168 Resp: 625300

Ion Ratio Lower Upper

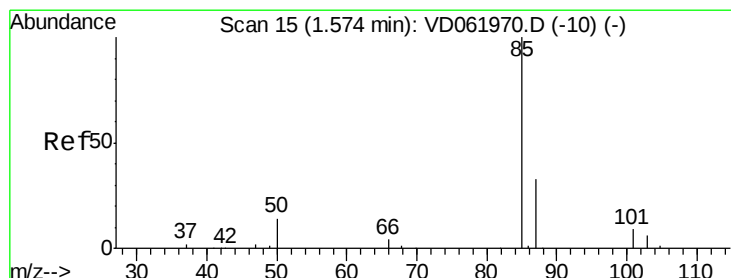
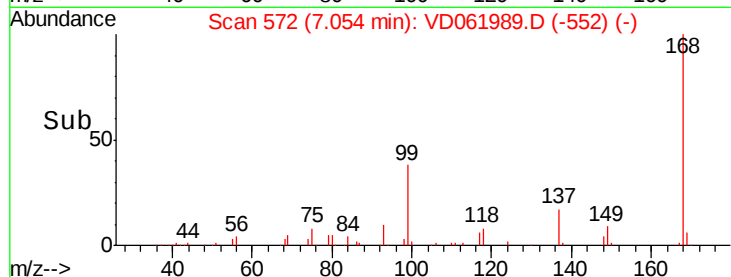
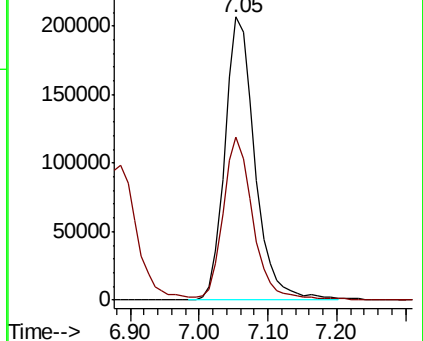
168 100

99 57.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 47.843 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD061989.D

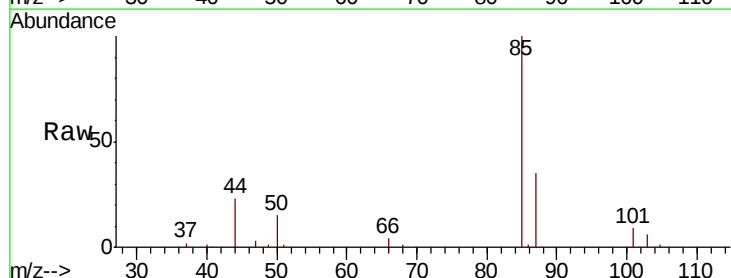
Acq: 24 Apr 2019 10:45

Tgt Ion: 85 Resp: 267130

Ion Ratio Lower Upper

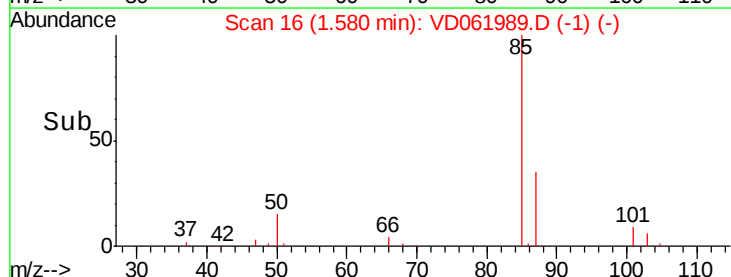
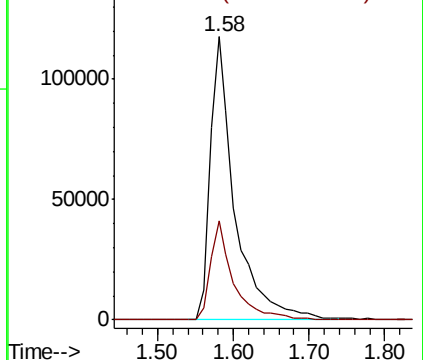
85 100

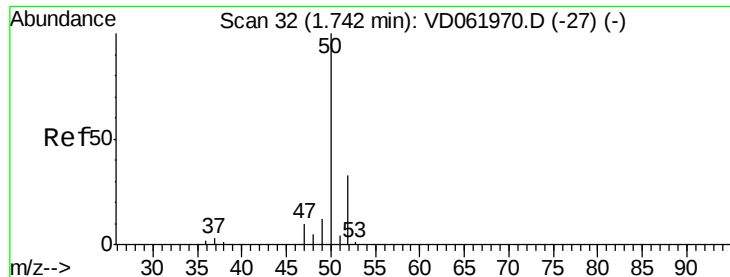
87 34.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.802 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

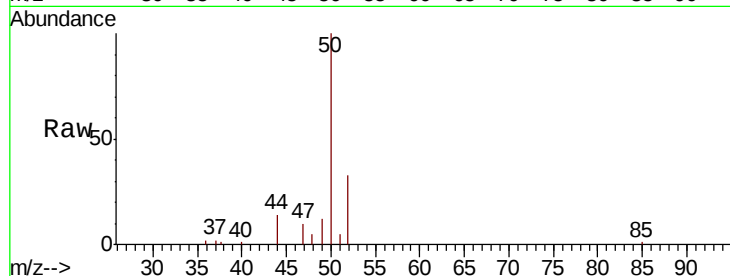
ClientSampleId :

Tgt Ion: 50 Resp: 212608

Ion Ratio Lower Upper

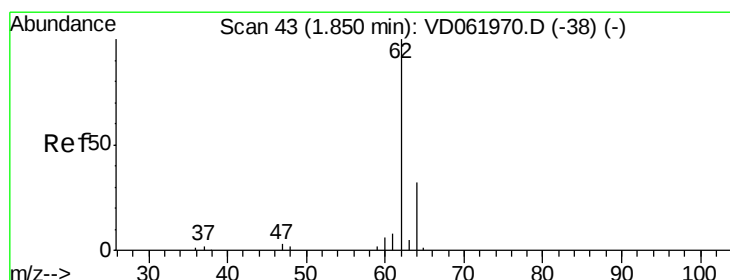
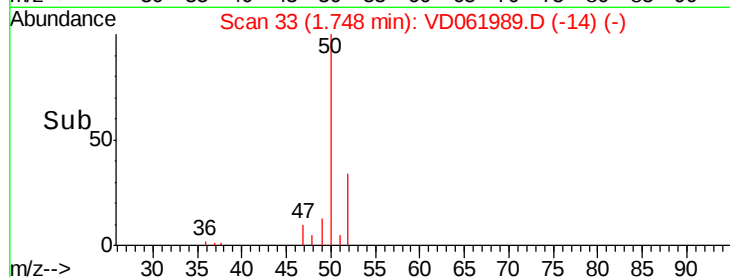
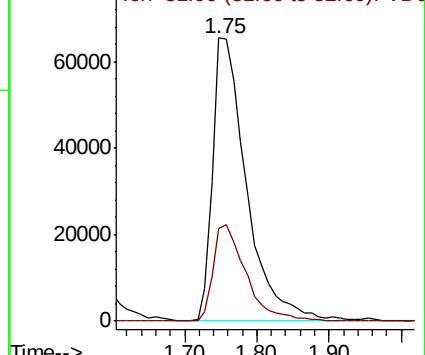
50 100

52 33.0 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.911 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061989.D

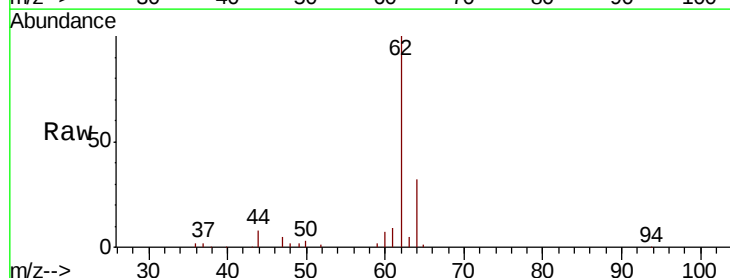
Acq: 24 Apr 2019 10:45

Tgt Ion: 62 Resp: 218978

Ion Ratio Lower Upper

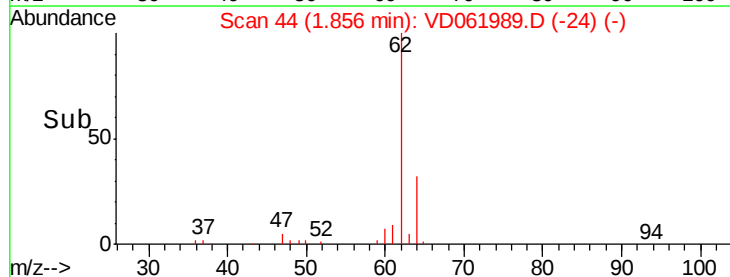
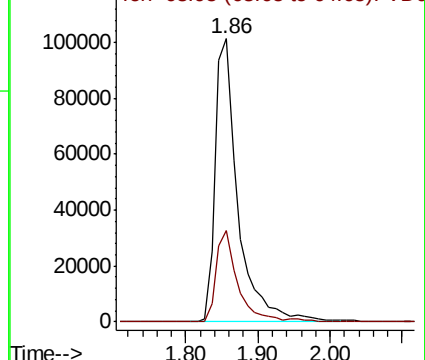
62 100

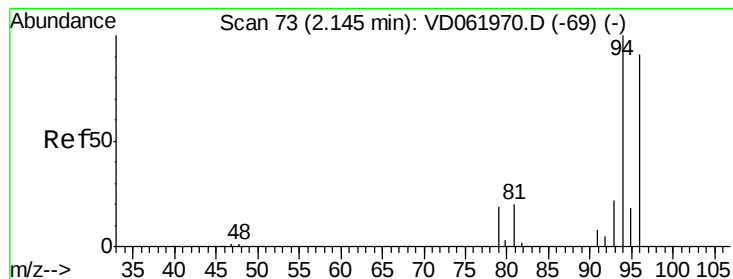
64 32.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 53.757 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

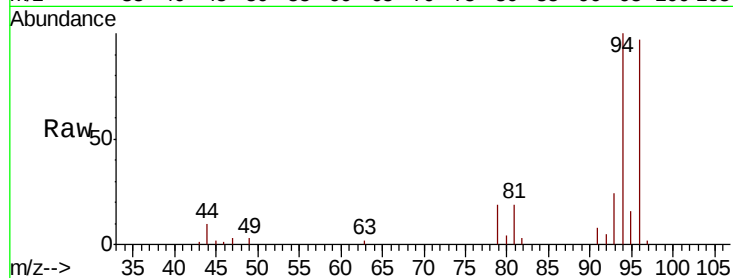
Tgt Ion: 94 Resp: 59864

Ion Ratio Lower Upper

94 100

96 96.5 76.6 115.0

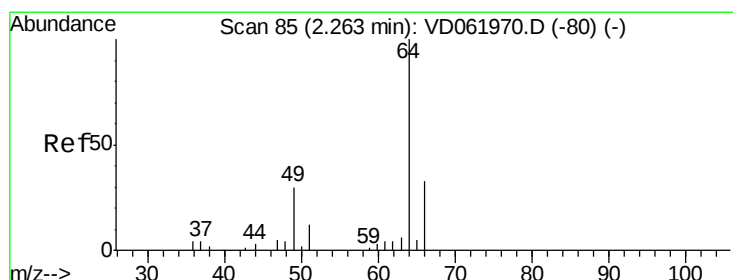
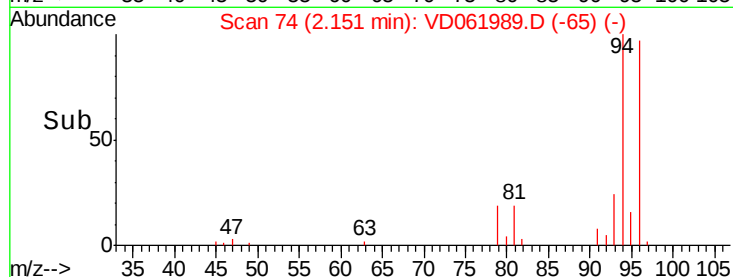
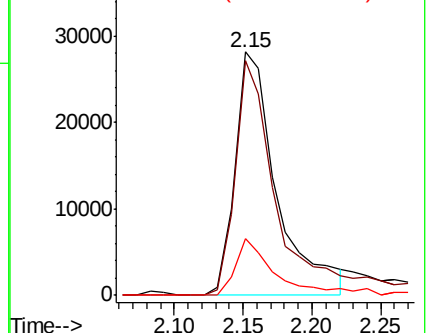
93 23.5 18.5 27.7



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: 48.019 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD061989.D

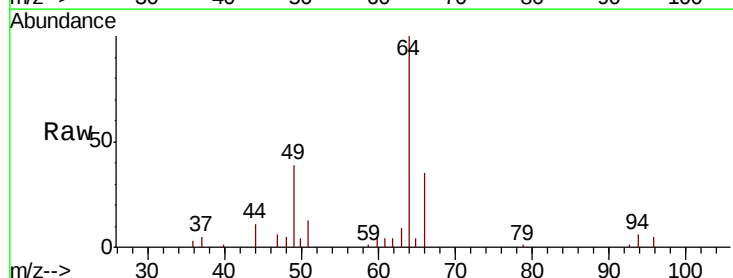
Acq: 24 Apr 2019 10:45

Tgt Ion: 64 Resp: 74659

Ion Ratio Lower Upper

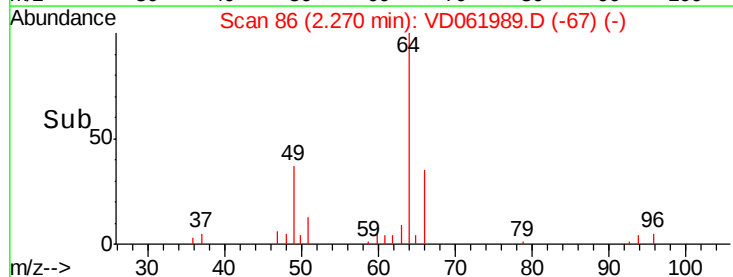
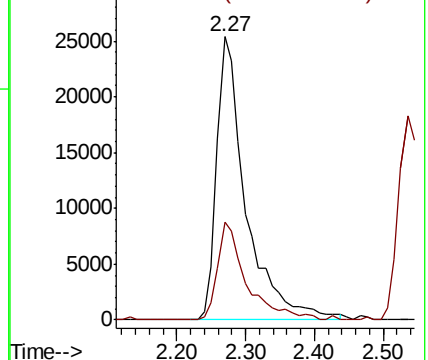
64 100

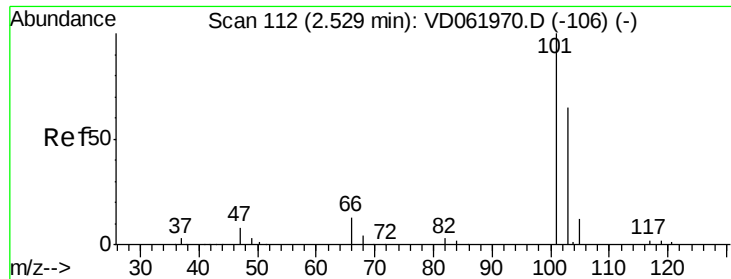
66 34.6 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



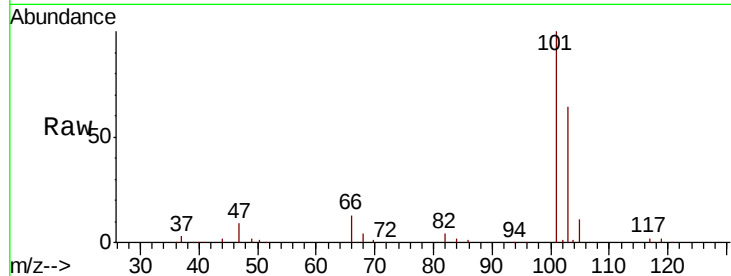


#7

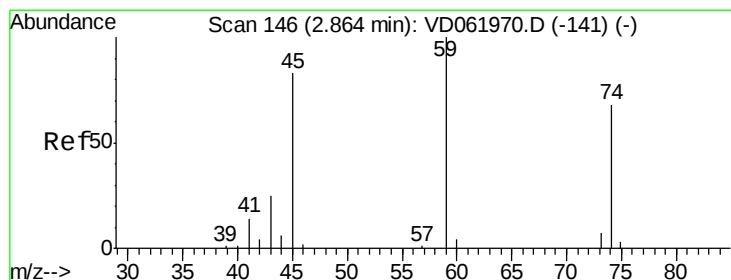
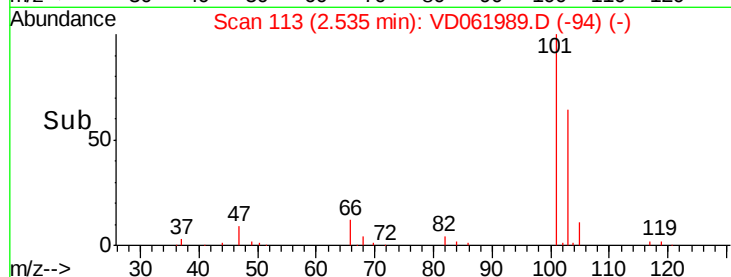
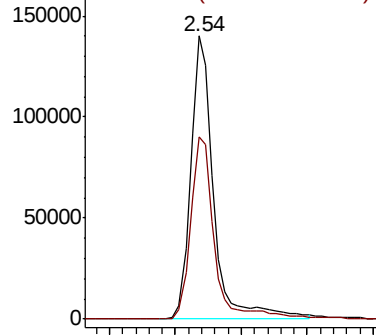
Trichlorofluoromethane
 Concen: 52.011 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 101 Resp: 338245
 Ion Ratio Lower Upper
 101 100
 103 64.2 53.6 80.4



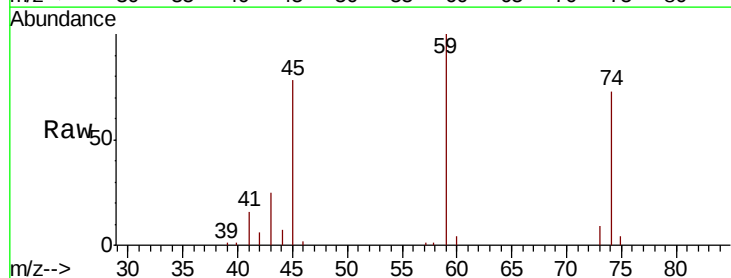
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



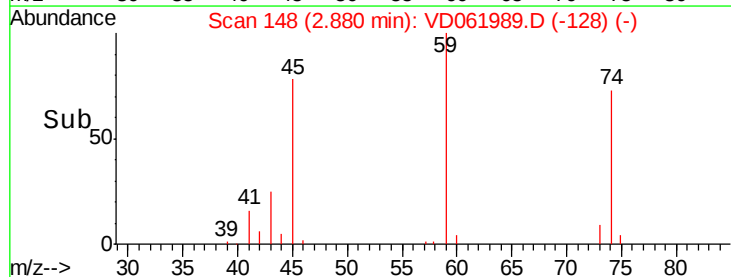
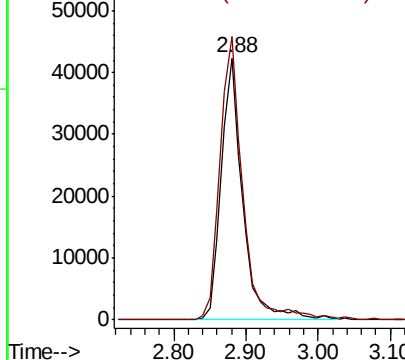
#8

Diethyl Ether
 Concen: 50.051 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion: 74 Resp: 87239
 Ion Ratio Lower Upper
 74 100
 45 108.0 56.9 170.7



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

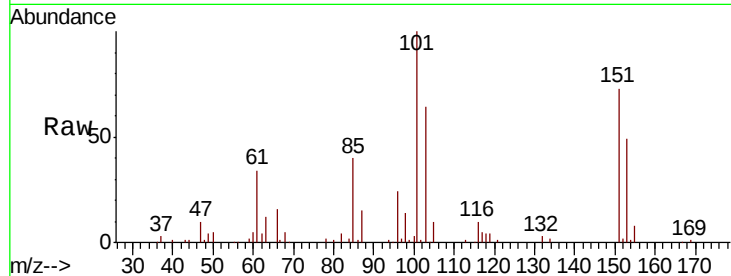




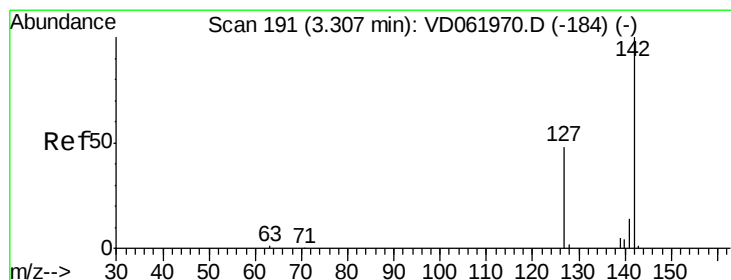
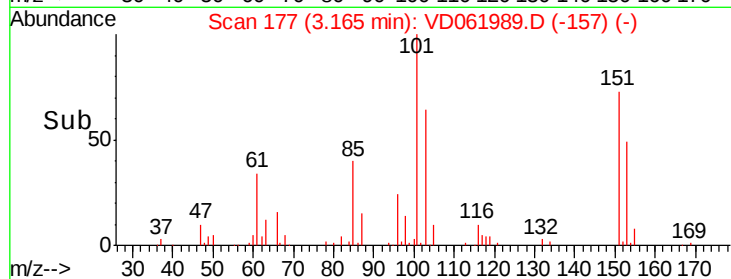
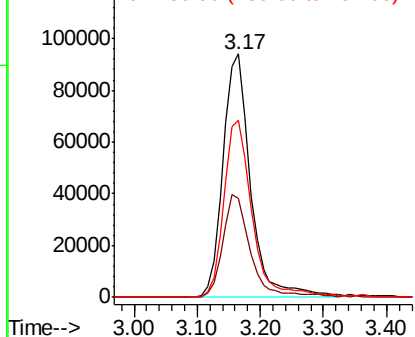
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.954 ug/l
 RT: 3.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:101 Resp: 287286
 Ion Ratio Lower Upper
 101 100
 85 40.4 32.4 48.6
 151 72.9 59.4 89.0

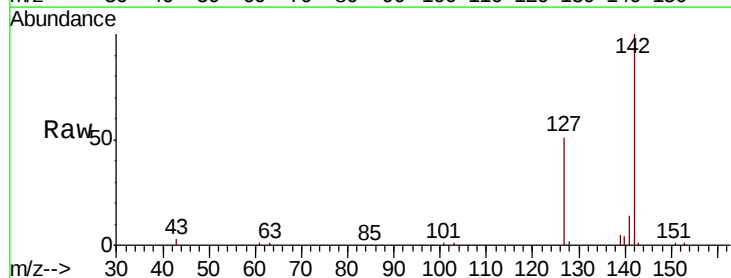


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

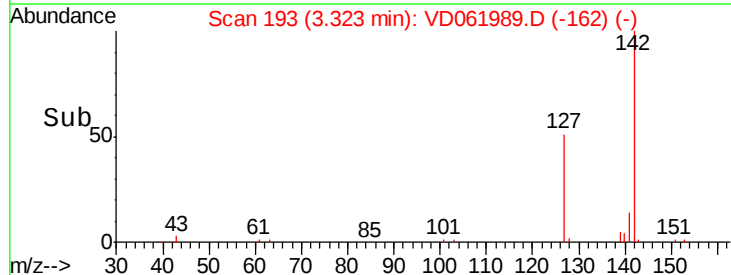
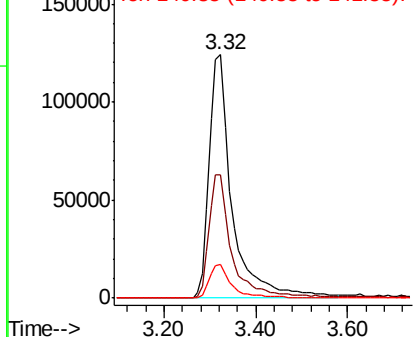


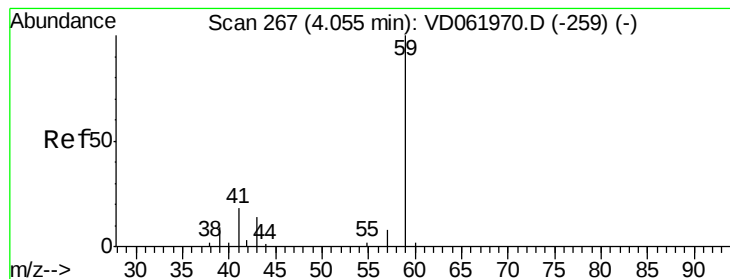
#10
 Methyl Iodide
 Concen: 47.050 ug/l
 RT: 3.32 min Scan# 193
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion:142 Resp: 426151
 Ion Ratio Lower Upper
 142 100
 127 50.7 38.8 58.2
 141 13.8 11.4 17.0



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



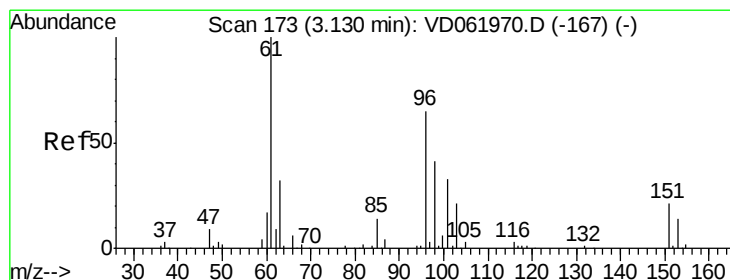
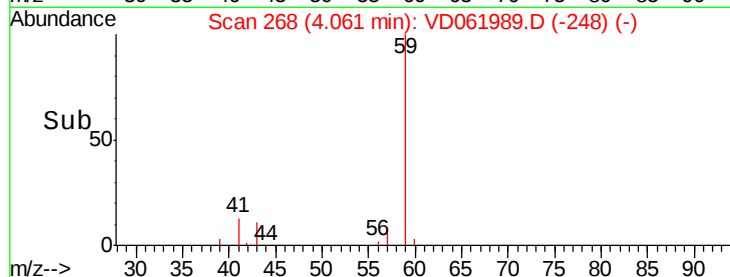
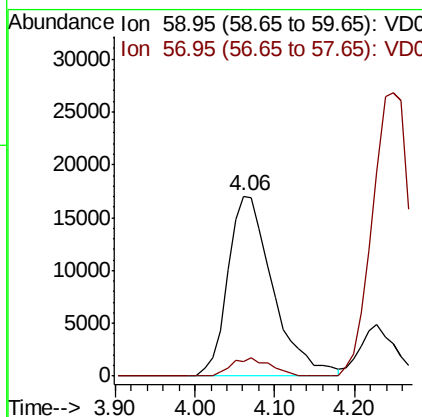
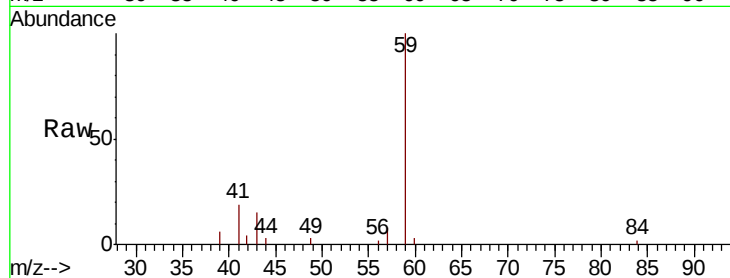


#11

Tert butyl alcohol
 Concen: 241.817 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Instrument :
 MSVOA_D
 ClientSampled :

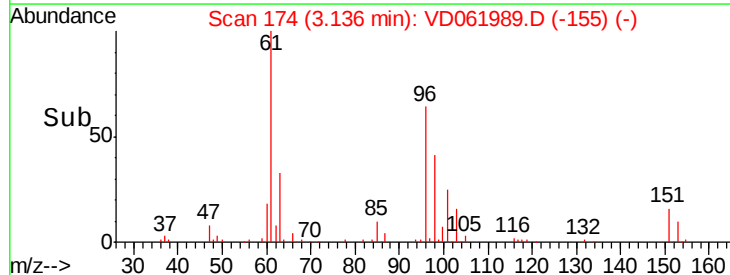
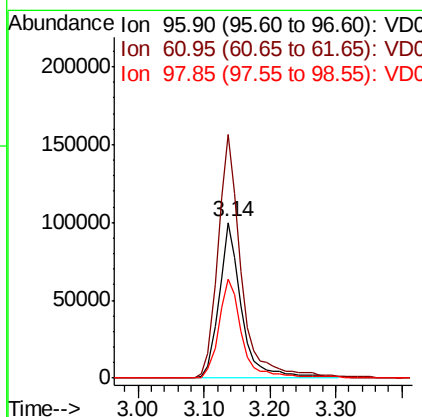
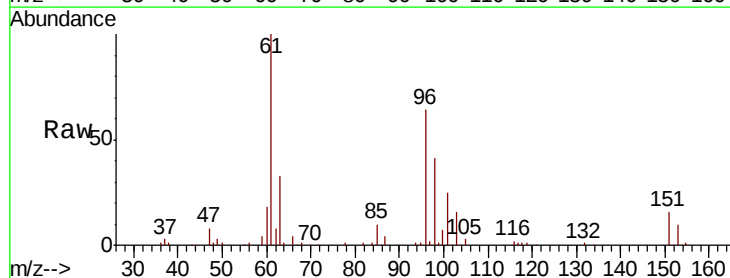
Tgt Ion: 59 Resp: 66865
 Ion Ratio Lower Upper
 59 100
 57 8.4 6.9 10.3

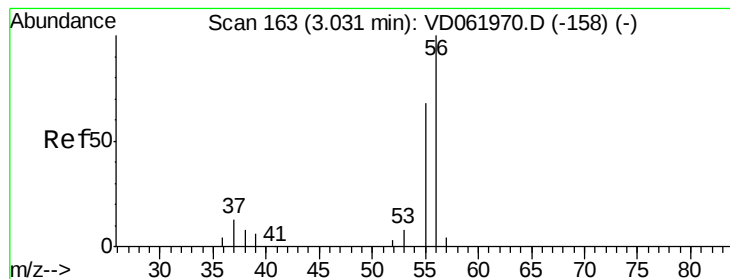


#12

1,1-Dichloroethene
 Concen: 46.452 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. -0.01 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion: 96 Resp: 236759
 Ion Ratio Lower Upper
 96 100
 61 156.7 129.8 194.8
 98 63.5 51.2 76.8





#13

Acrolein

Concen: 274.300 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

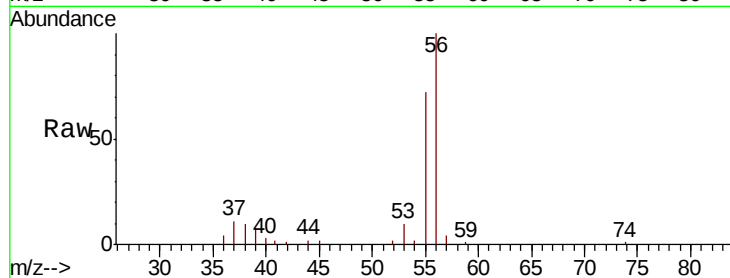
ClientSampleId :

Tgt Ion: 56 Resp: 78696

Ion Ratio Lower Upper

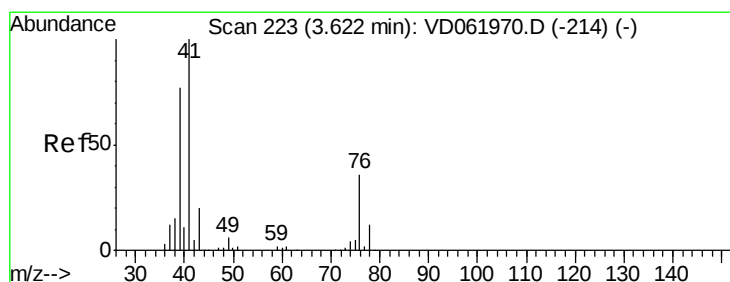
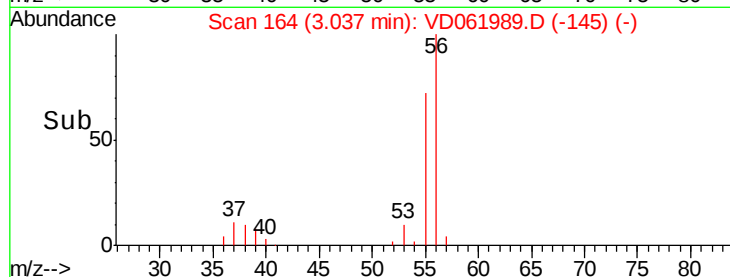
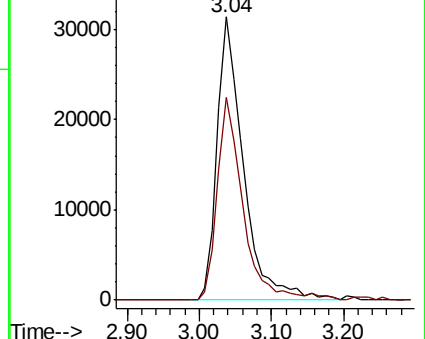
56 100

55 71.7 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.131 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

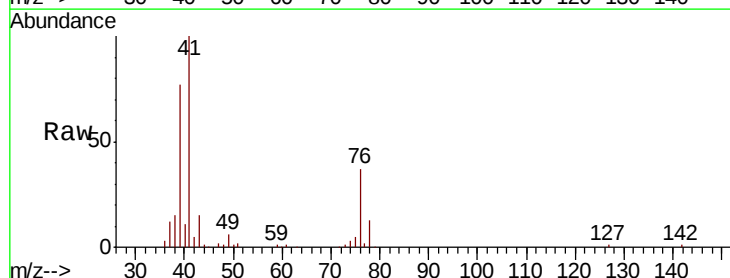
Tgt Ion: 41 Resp: 341939

Ion Ratio Lower Upper

41 100

39 76.9 60.5 90.7

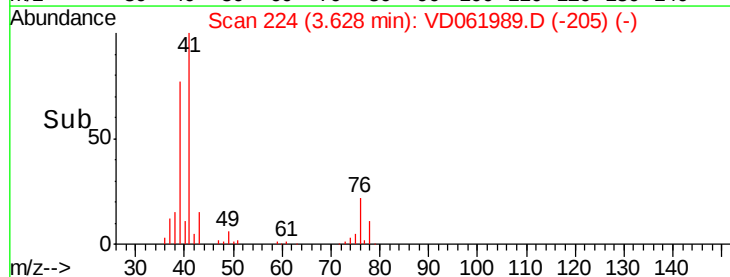
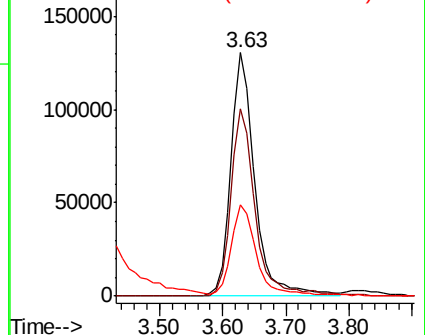
76 37.4 31.8 47.8

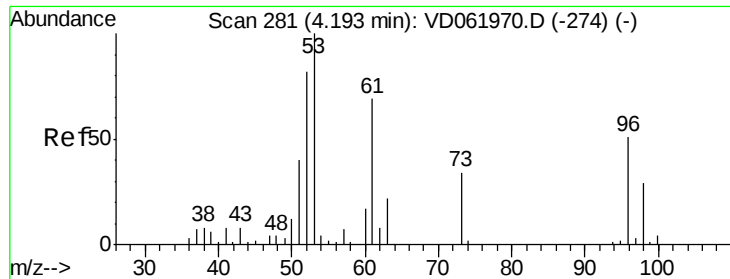


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 245.764 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

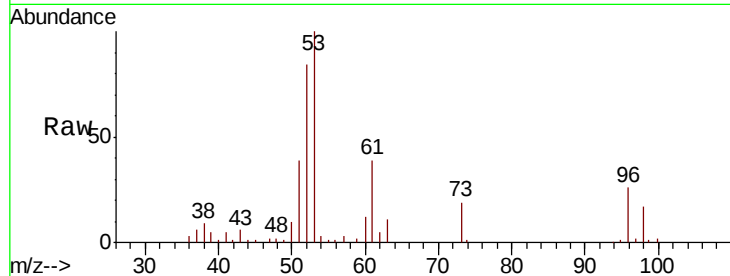
Tgt Ion: 53 Resp: 210430

Ion Ratio Lower Upper

53 100

52 83.9 65.0 97.4

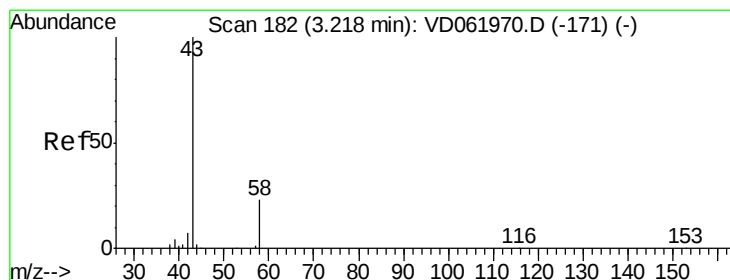
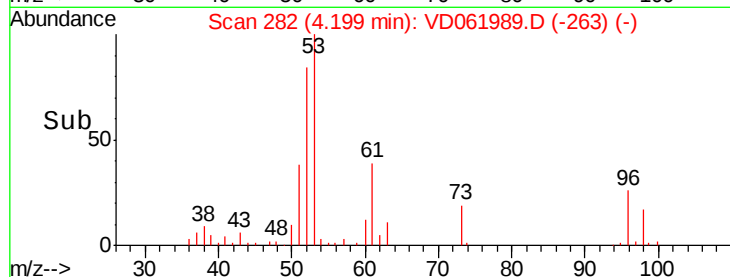
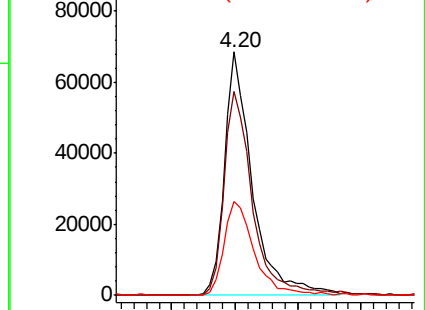
51 38.6 32.6 48.8



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: 264.455 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061989.D

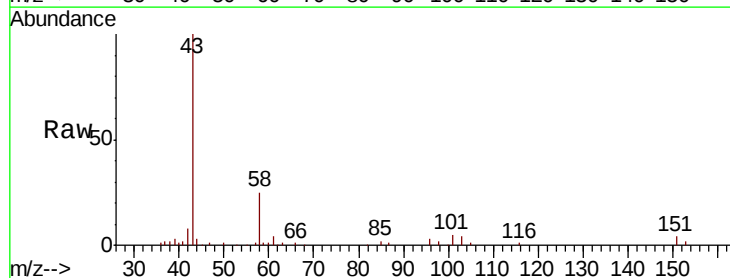
Acq: 24 Apr 2019 10:45

Tgt Ion: 43 Resp: 309023

Ion Ratio Lower Upper

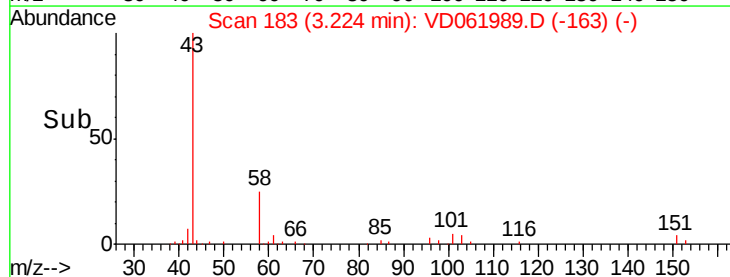
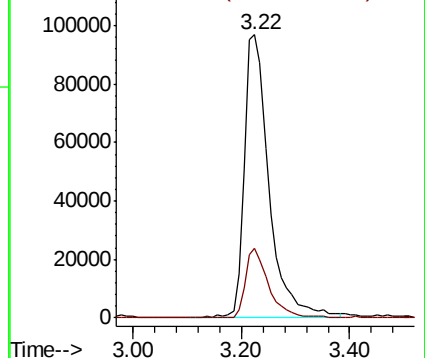
43 100

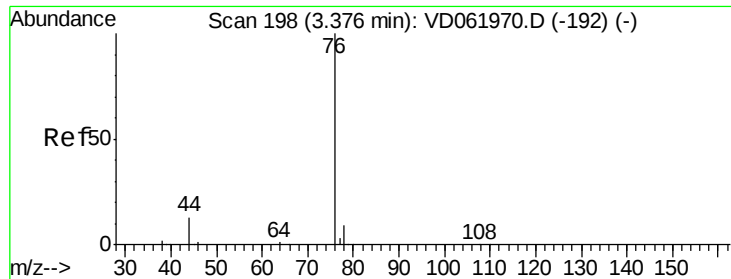
58 24.5 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

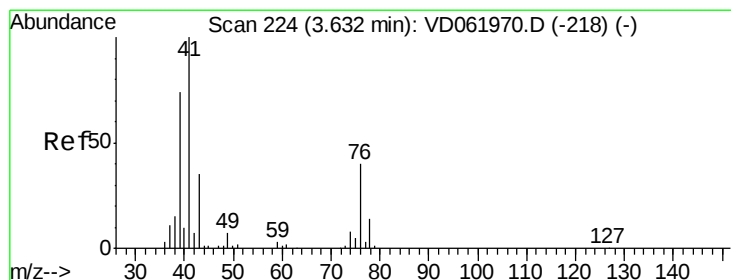
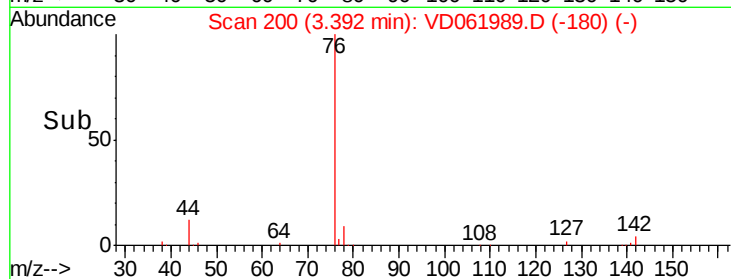
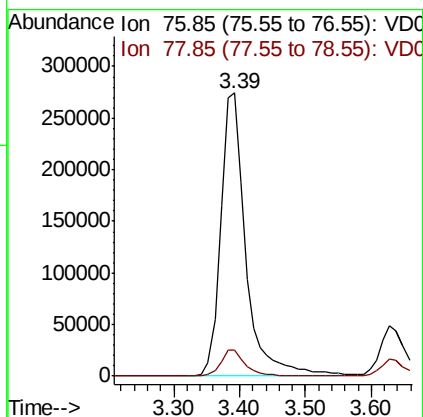
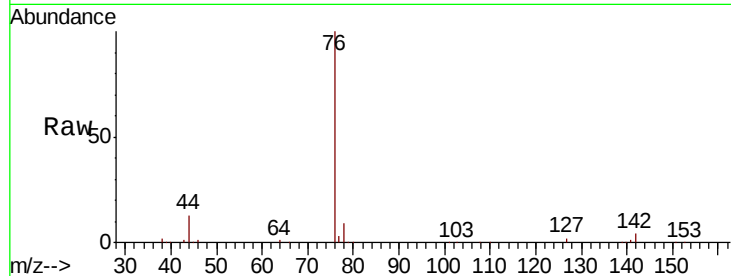




#17
Carbon Disulfide
Concen: 49.395 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

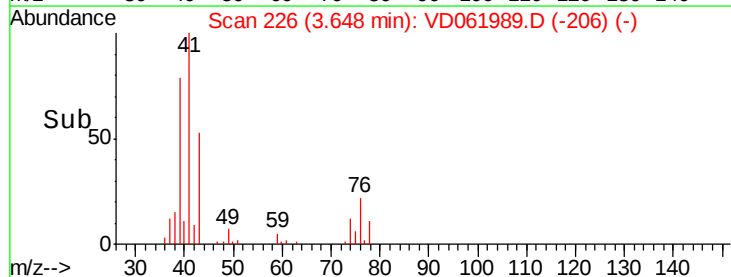
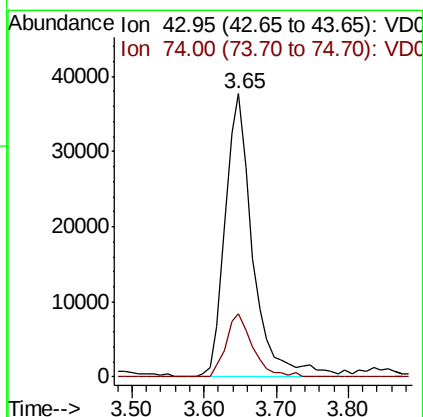
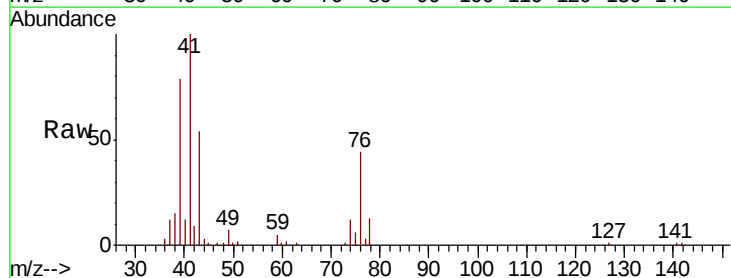
Instrument :
MSVOA_D
ClientSampleId :

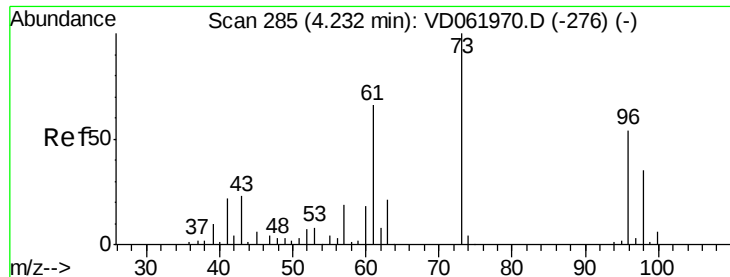
Tgt Ion: 76 Resp: 727515
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 47.224 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion: 43 Resp: 100333
Ion Ratio Lower Upper
43 100
74 22.2 18.0 27.0

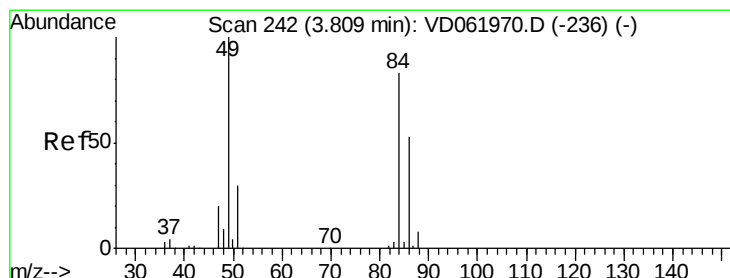
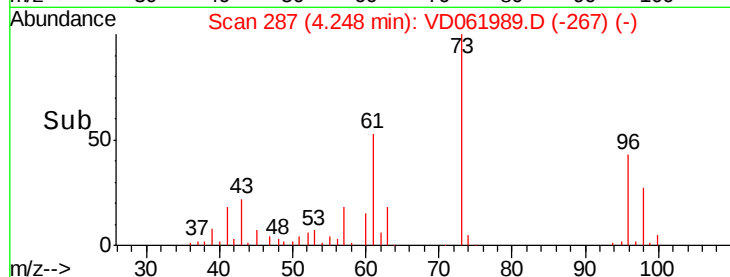
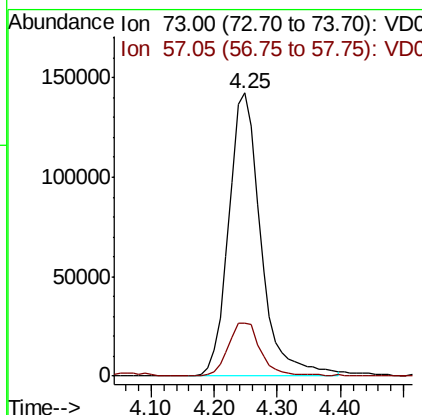
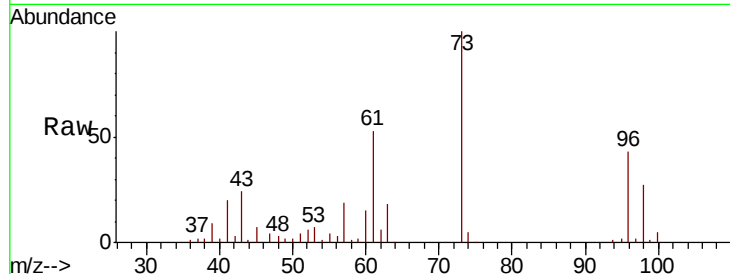




#19
Methyl tert-butyl Ether
Concen: 49.746 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

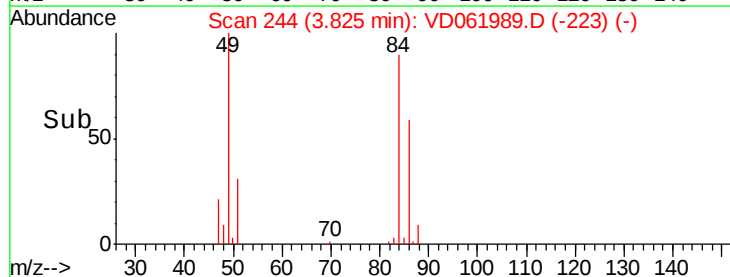
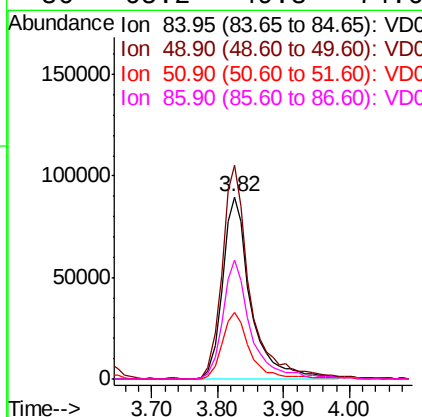
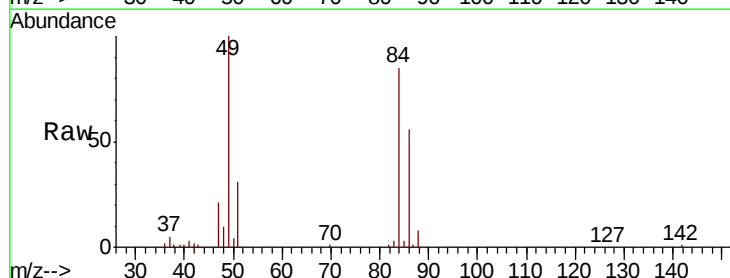
Instrument :
MSVOA_D
ClientSampleId :

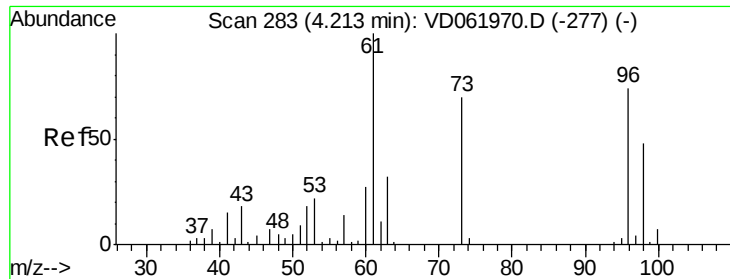
Tgt Ion: 73 Resp: 503069
Ion Ratio Lower Upper
73 100
57 18.8 16.3 24.5



#20
Methylene Chloride
Concen: 46.757 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion: 84 Resp: 267165
Ion Ratio Lower Upper
84 100
49 117.3 94.0 141.0
51 36.3 29.0 43.4
86 65.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.070 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

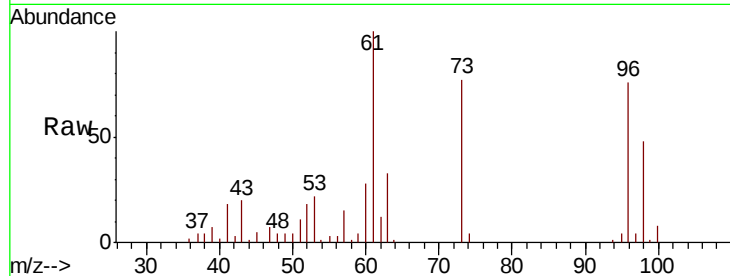
Tgt Ion: 96 Resp: 286911

Ion Ratio Lower Upper

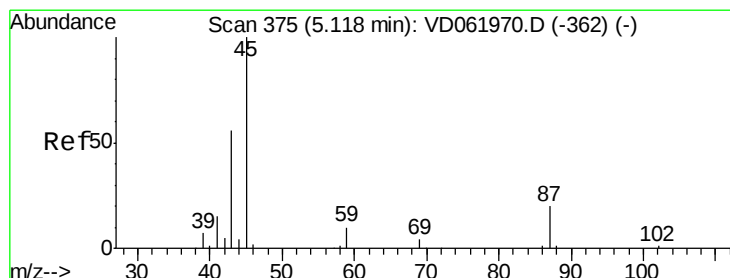
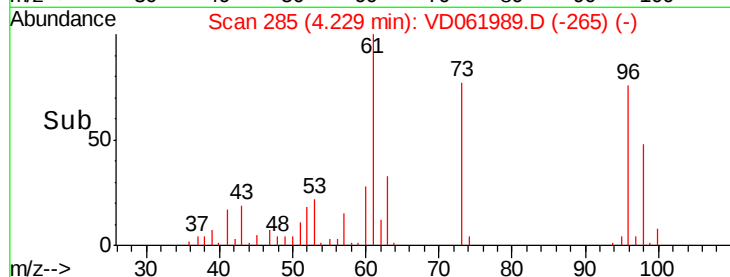
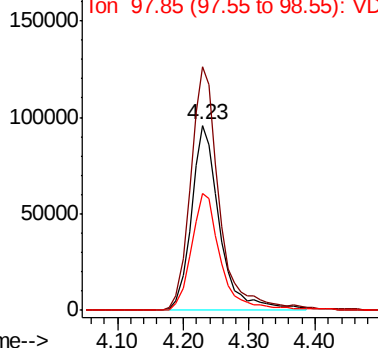
96 100

61 131.8 104.4 156.6

98 63.3 51.8 77.8



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



#22

Diisopropyl ether

Concen: 52.283 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Tgt Ion: 45 Resp: 849554

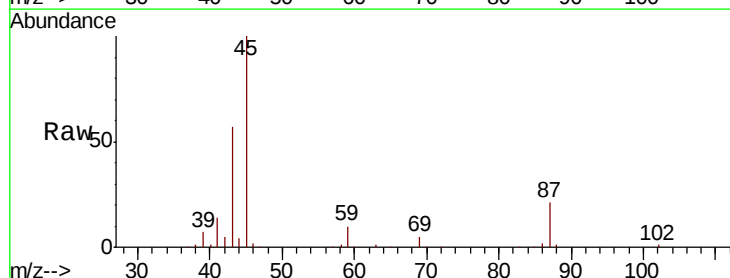
Ion Ratio Lower Upper

45 100

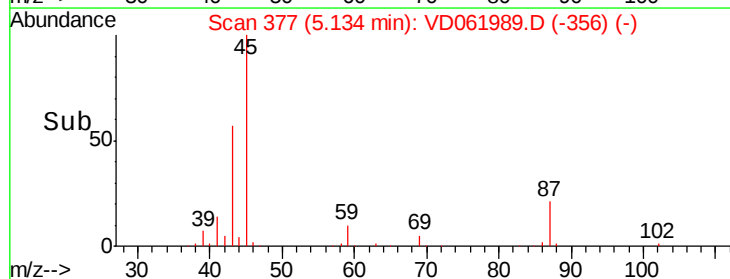
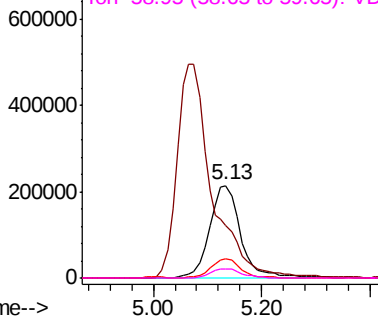
43 57.4 46.2 69.2

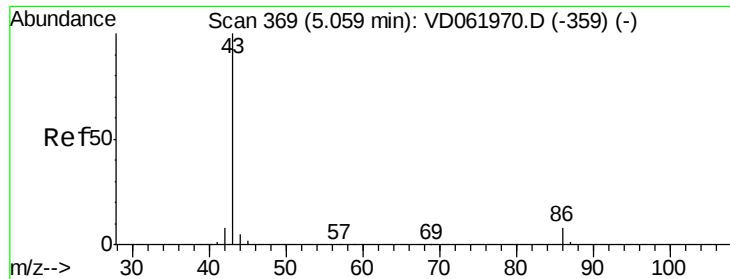
87 20.8 15.9 23.9

59 9.8 7.9 11.9



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: 257.685 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

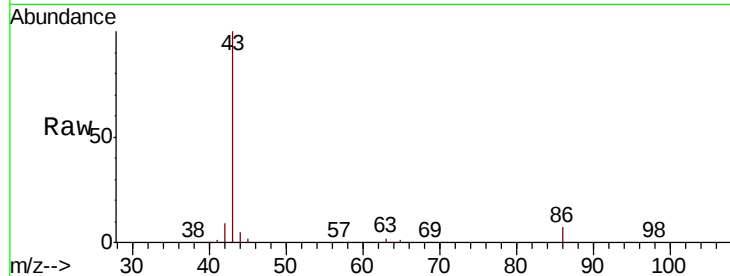
ClientSampled :

Tgt Ion: 43 Resp: 2180533

Ion Ratio Lower Upper

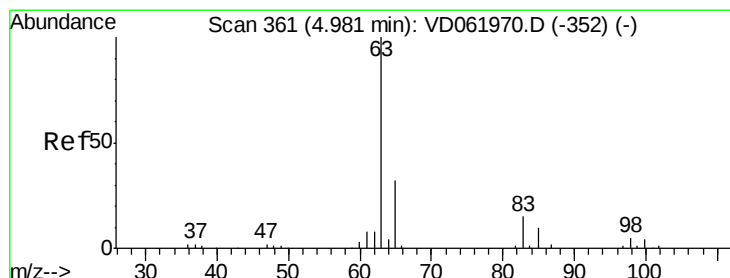
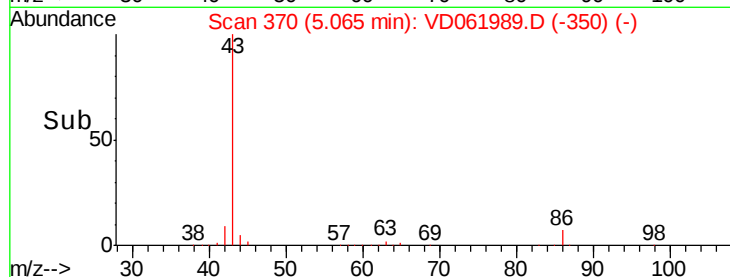
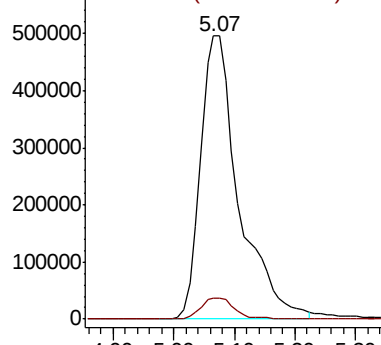
43 100

86 7.2 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.775 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

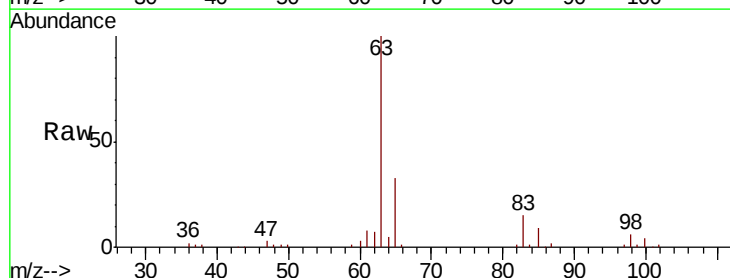
Tgt Ion: 63 Resp: 488846

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

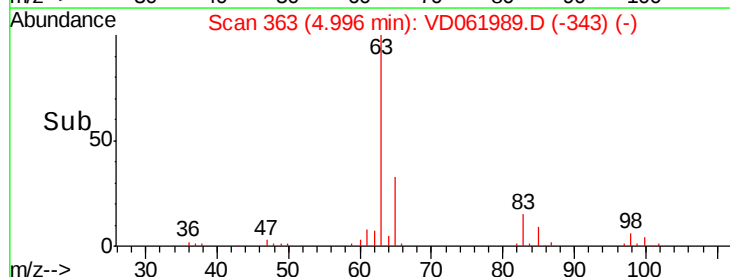
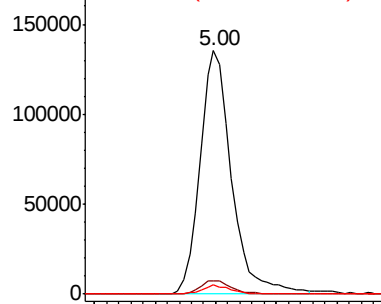
100 3.7 1.8 5.5

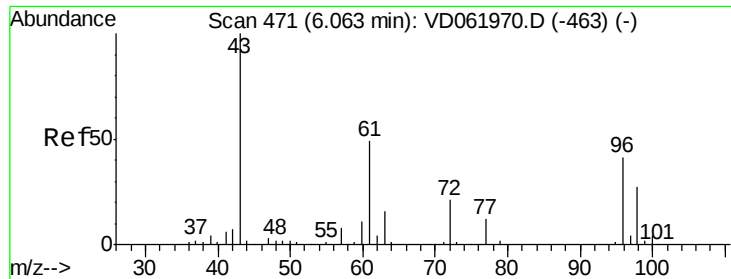


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 256.736 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

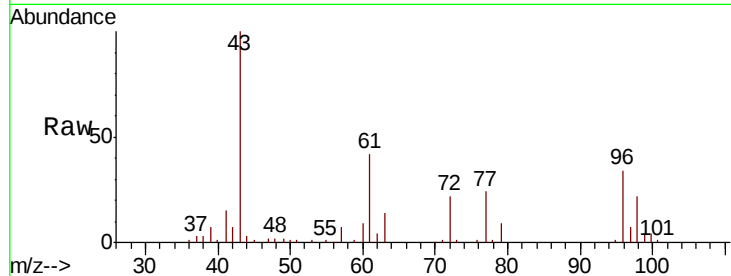
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 363732

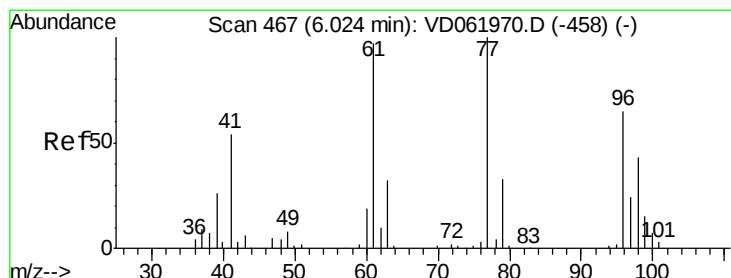
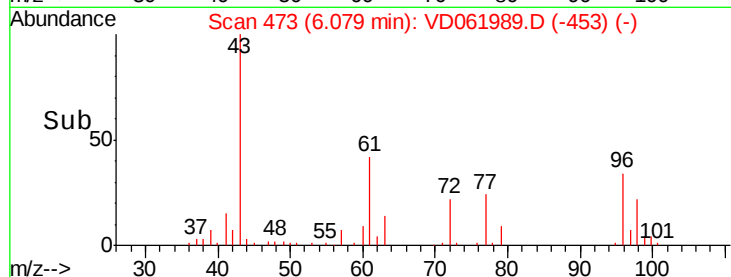
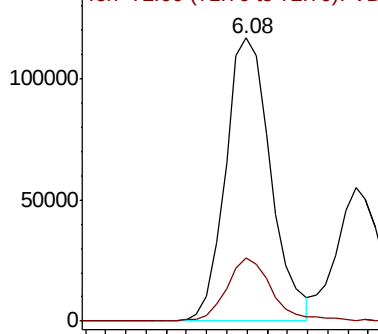
Ion Ratio Lower Upper

43 100

72 22.5 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.906 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD061989.D

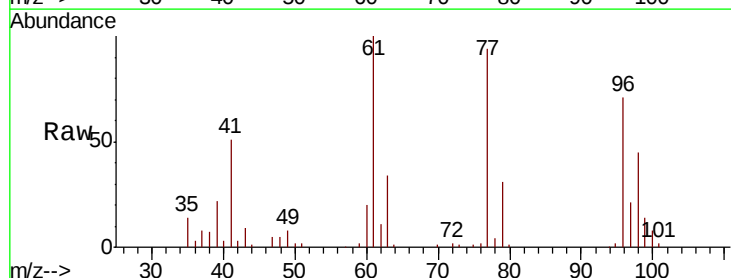
Acq: 24 Apr 2019 10:45

Tgt Ion: 77 Resp: 436156

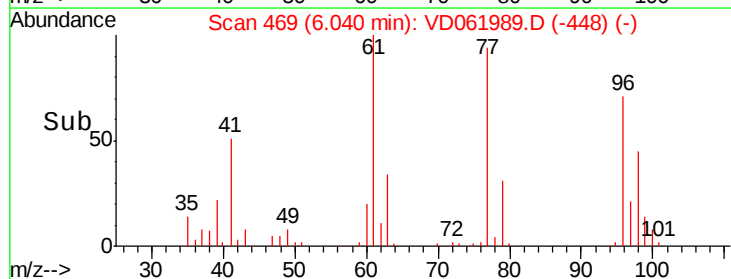
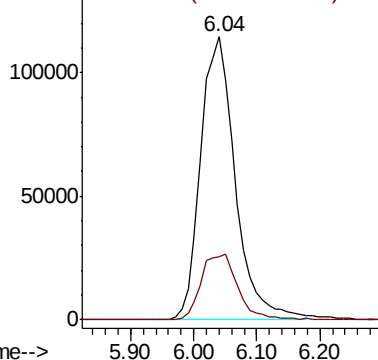
Ion Ratio Lower Upper

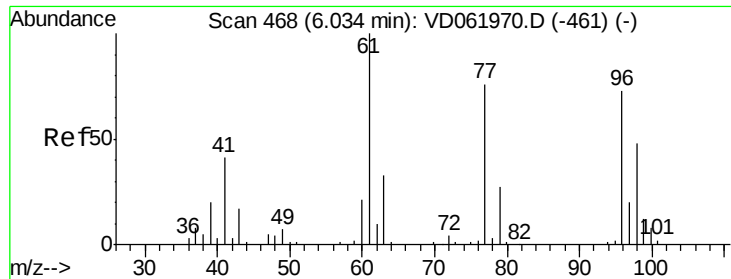
77 100

97 22.2 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



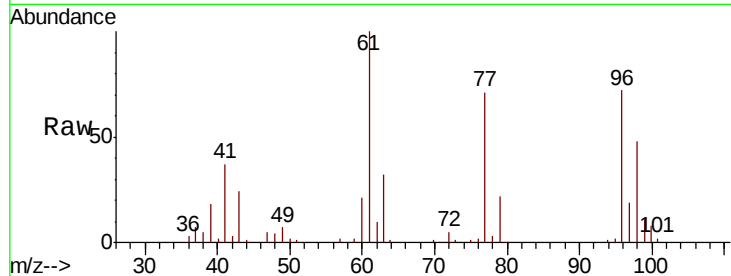


#27

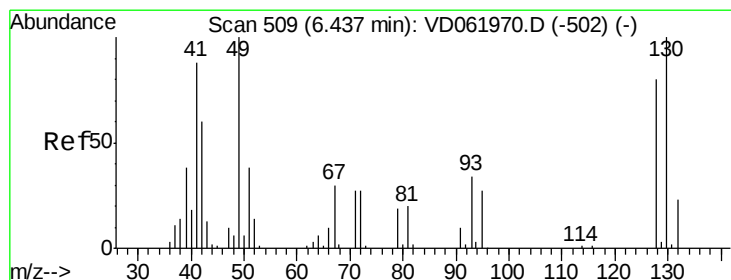
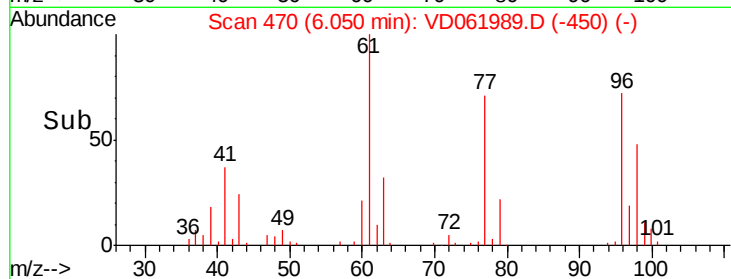
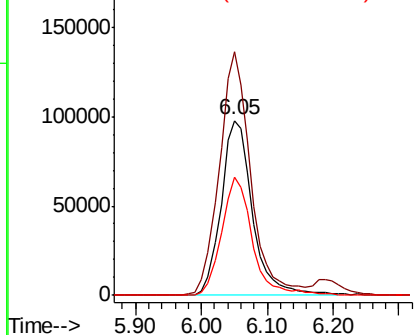
cis-1,2-Dichloroethene
Concen: 48.779 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 96 Resp: 324462
Ion Ratio Lower Upper
96 100
61 139.0 0.0 279.8
98 67.2 0.0 136.0



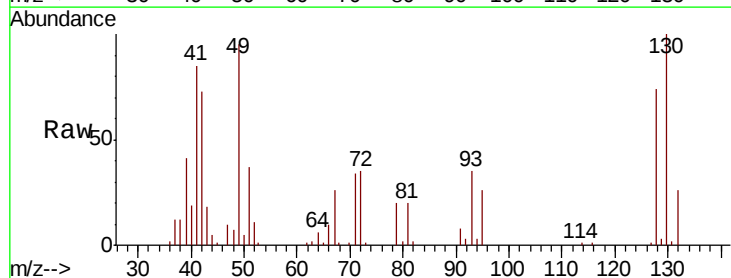
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



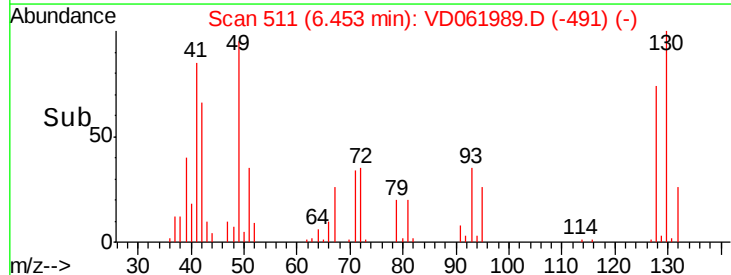
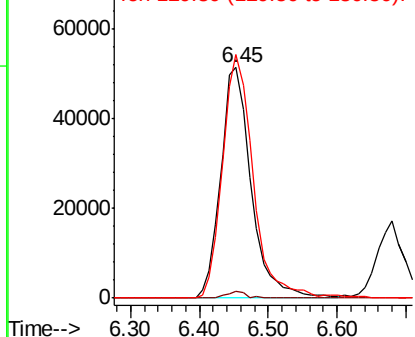
#28

Bromochloromethane
Concen: 42.147 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion: 49 Resp: 158380
Ion Ratio Lower Upper
49 100
129 3.2 0.0 6.6
130 105.7 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 237.928 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

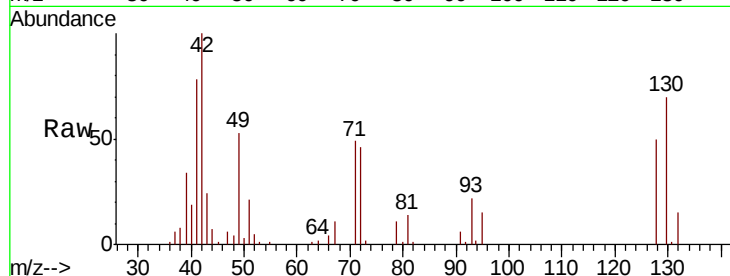
Tgt Ion: 42 Resp: 166091

Ion Ratio Lower Upper

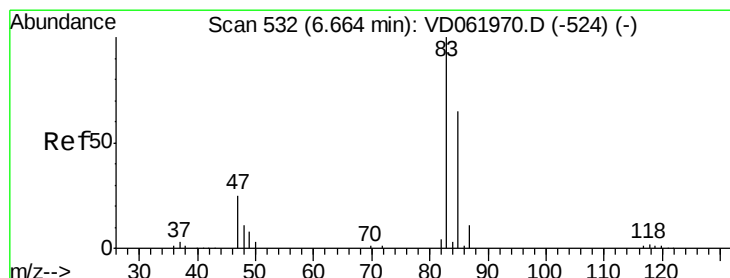
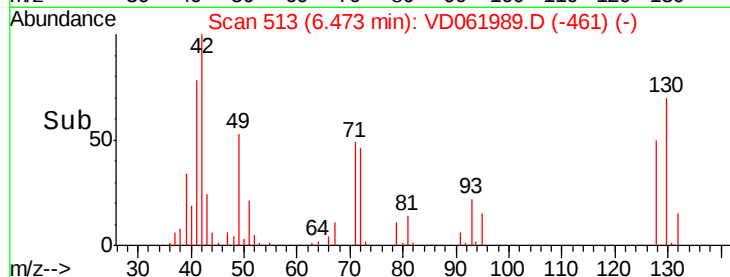
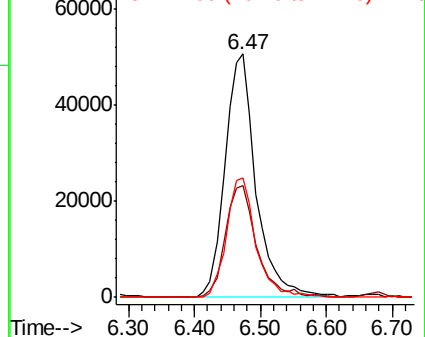
42 100

72 46.8 37.8 56.6

71 46.8 36.7 55.1



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



#30

Chloroform

Concen: 50.404 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.00 min

Lab File: VD061989.D

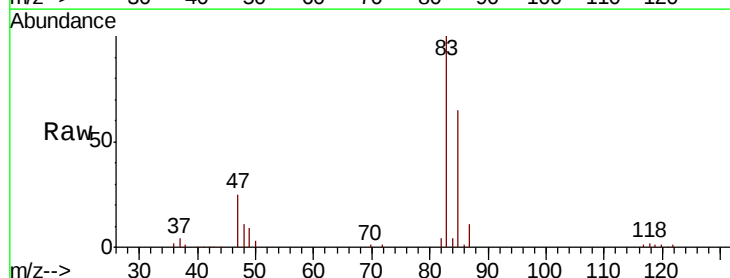
Acq: 24 Apr 2019 10:45

Tgt Ion: 83 Resp: 562260

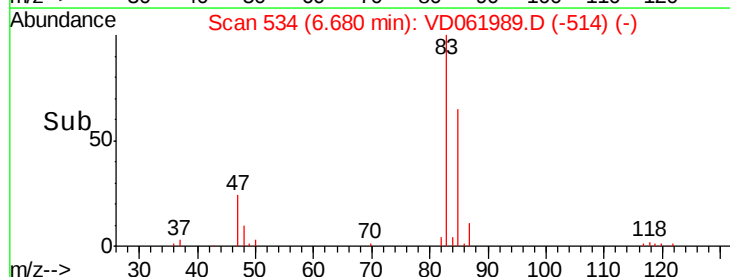
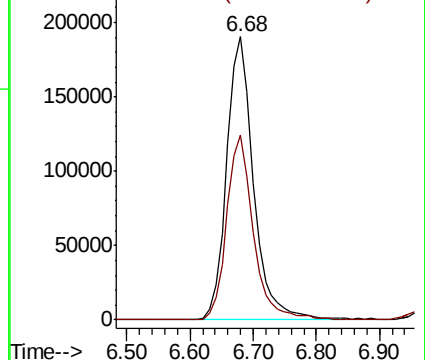
Ion Ratio Lower Upper

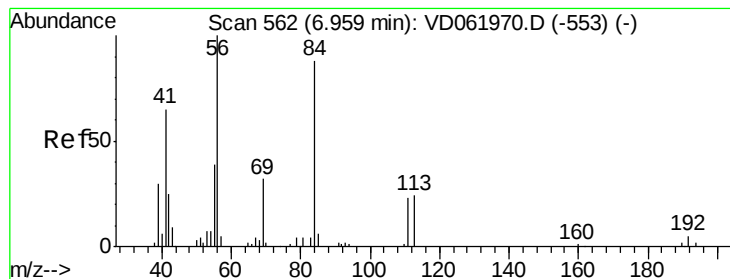
83 100

85 65.4 51.7 77.5



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





#31

Cyclohexane

Concen: 53.242 ug/l

RT: 6.98 min Scan# 564

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

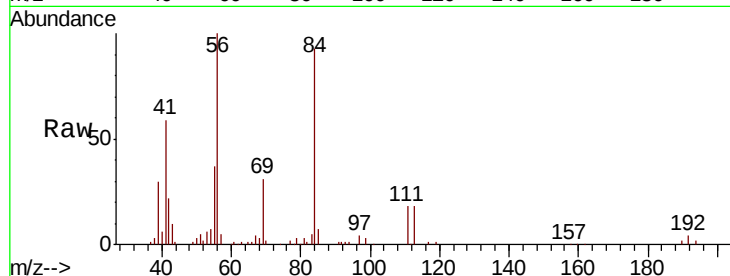
Tgt Ion: 56 Resp: 388122

Ion Ratio Lower Upper

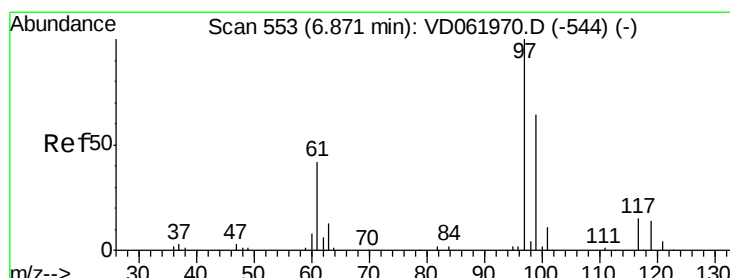
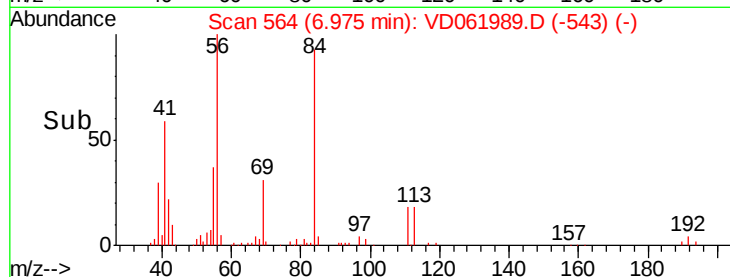
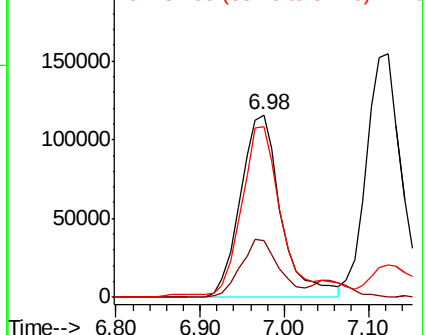
56 100

69 30.8 25.8 38.6

84 93.2 72.2 108.4



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: 51.080 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

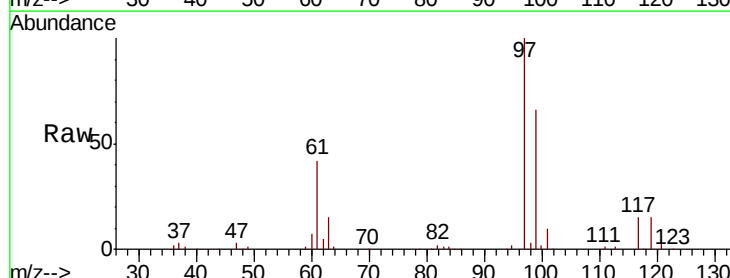
Tgt Ion: 97 Resp: 495775

Ion Ratio Lower Upper

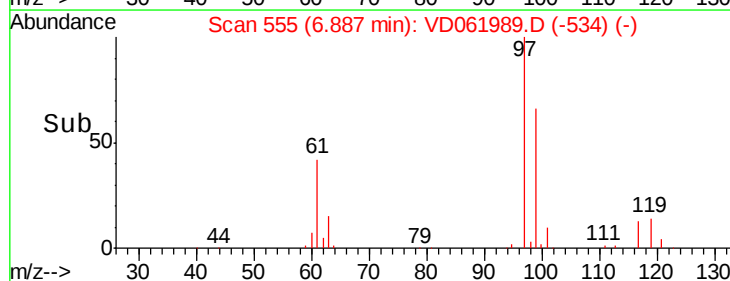
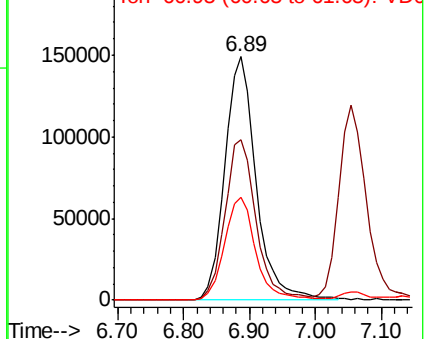
97 100

99 65.8 52.2 78.2

61 42.1 32.4 48.6



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: 51.080 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

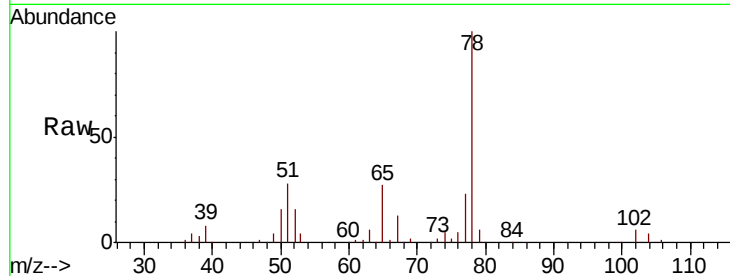
ClientSampleId :

Tgt Ion: 65 Resp: 245397

Ion Ratio Lower Upper

65 100

67 48.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

100000

80000

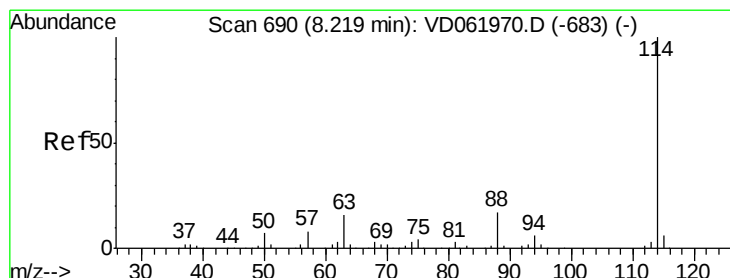
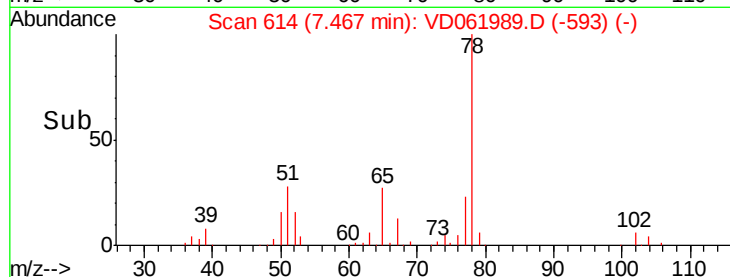
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

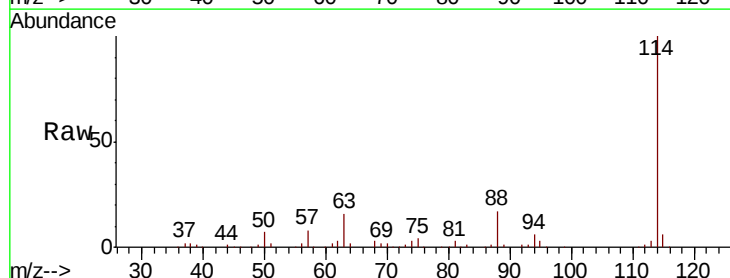
Tgt Ion: 114 Resp: 1046971

Ion Ratio Lower Upper

114 100

63 16.1 0.0 32.4

88 17.2 0.0 33.6



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

500000

400000

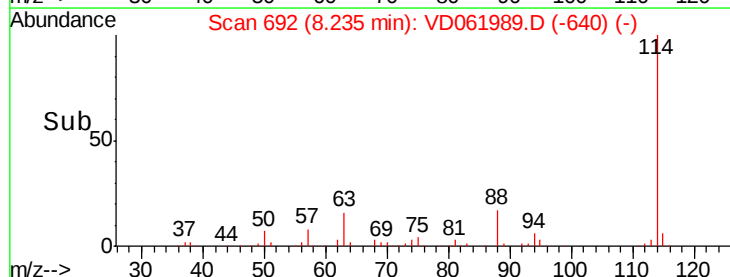
300000

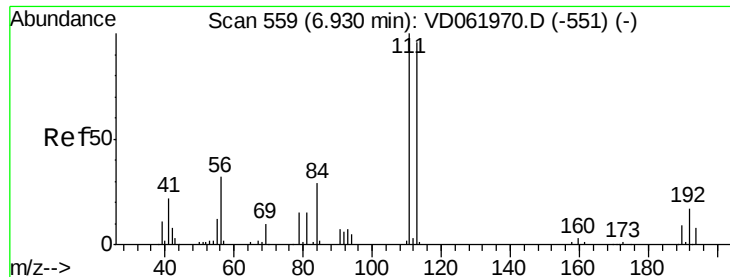
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :

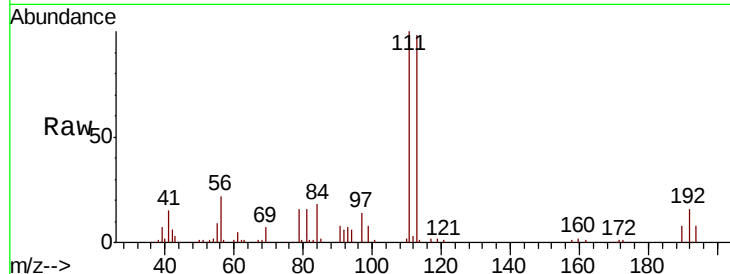
Tgt Ion:113 Resp: 362519

Ion Ratio Lower Upper

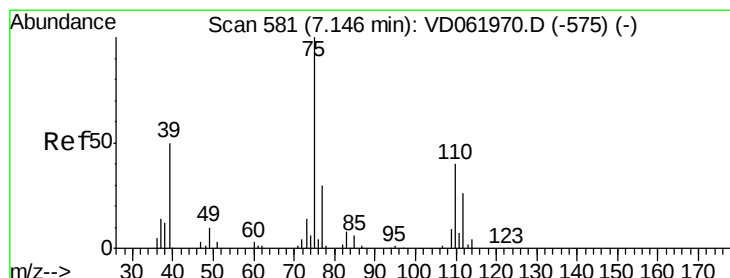
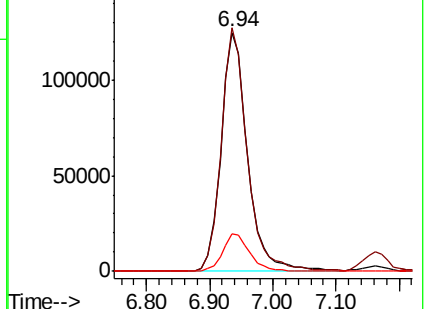
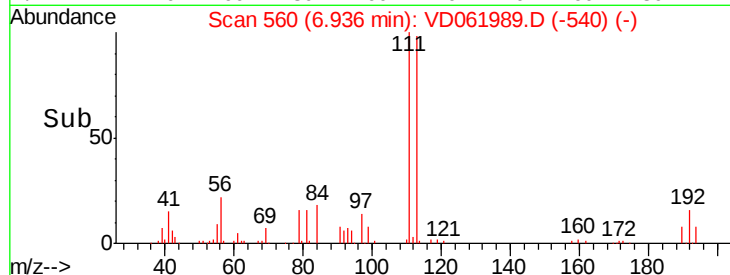
113 100

111 101.8 78.5 117.7

192 15.9 13.0 19.4



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: 48.385 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

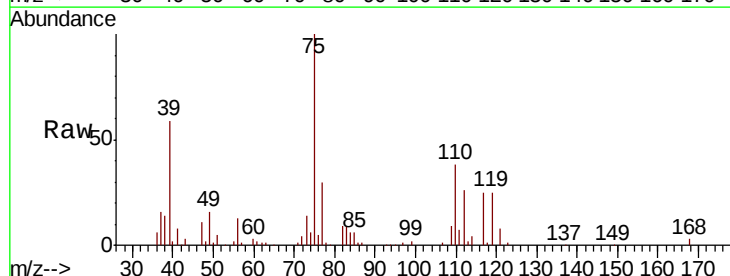
Tgt Ion: 75 Resp: 394678

Ion Ratio Lower Upper

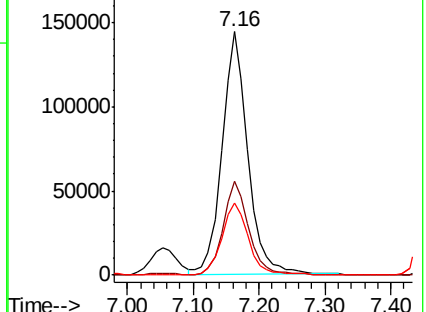
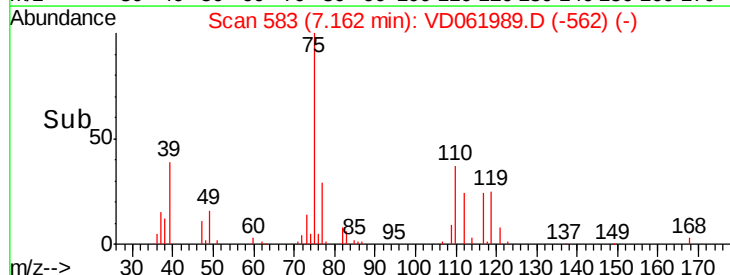
75 100

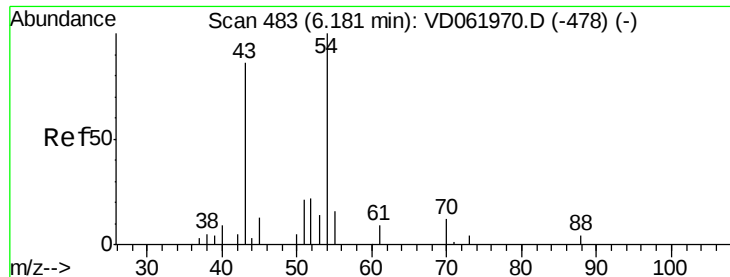
110 38.4 19.1 57.1

77 29.8 25.6 38.4



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

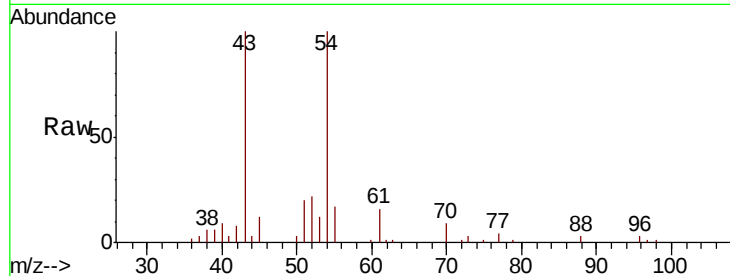




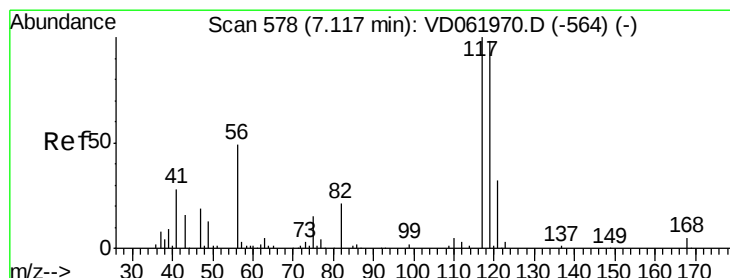
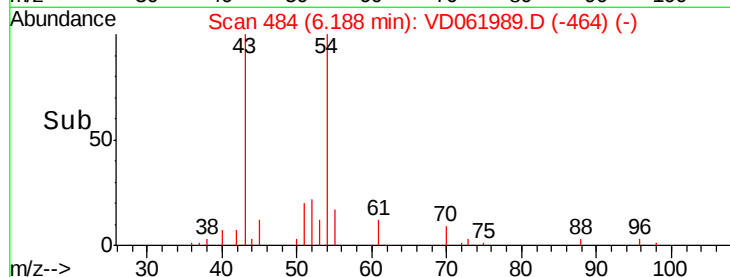
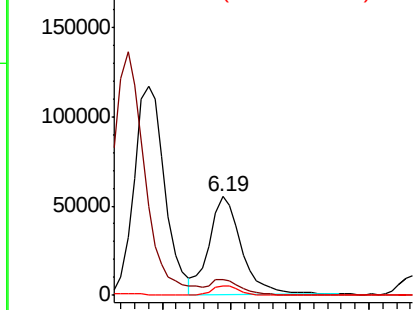
#37
Ethyl Acetate
Concen: 51.357 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 178516
Ion Ratio Lower Upper
43 100
61 15.8 14.7 22.1
70 8.9 7.8 11.6

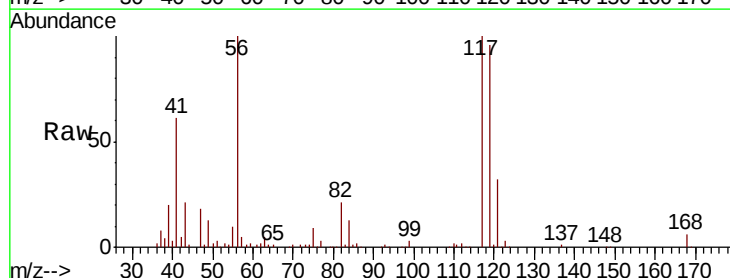


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

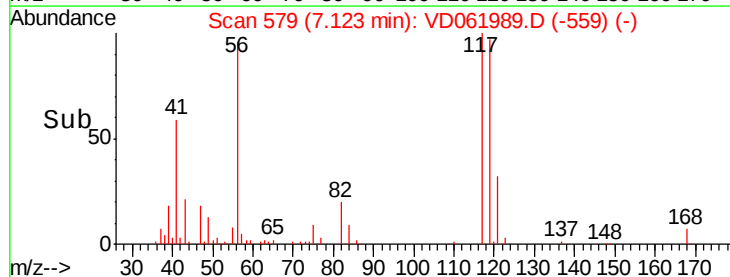
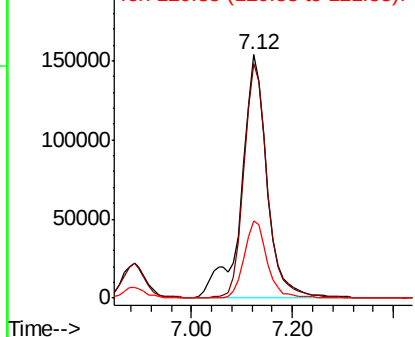


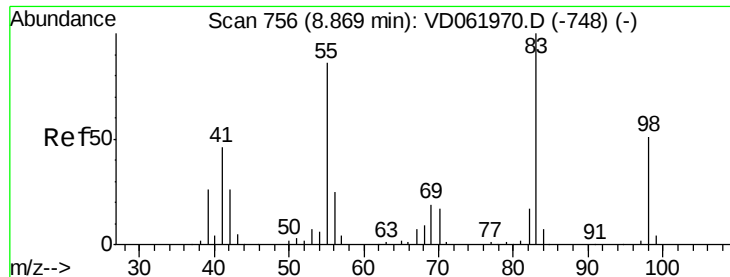
#38
Carbon Tetrachloride
Concen: 51.921 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion: 117 Resp: 536674
Ion Ratio Lower Upper
117 100
119 96.2 75.8 113.8
121 31.7 25.9 38.9



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

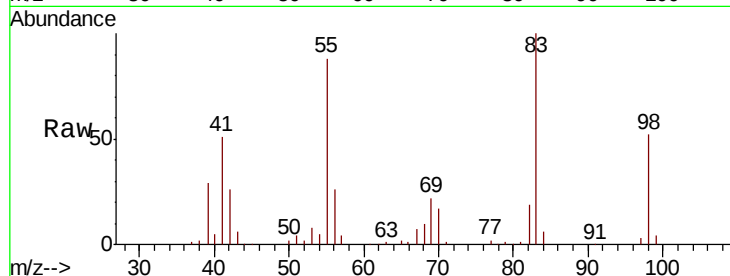




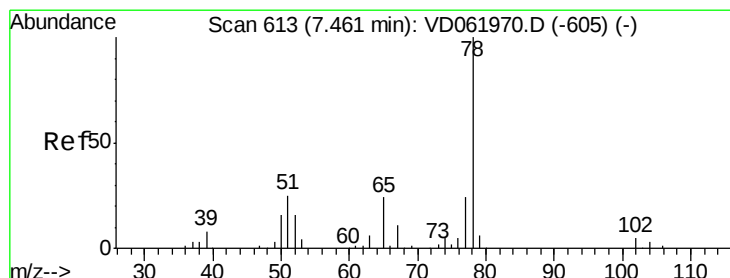
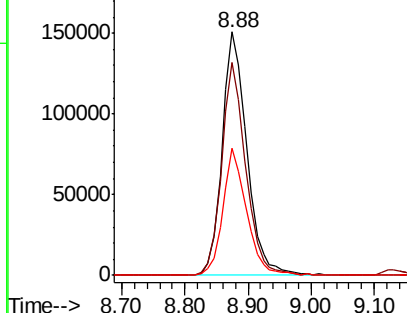
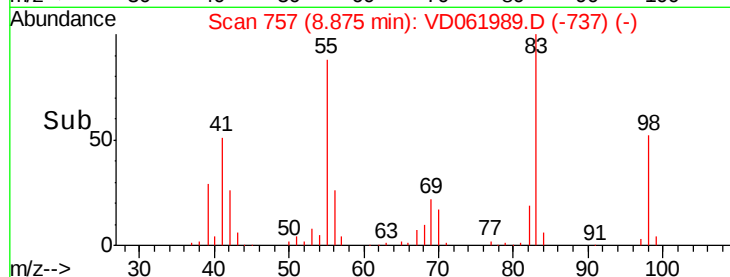
#39
Methylcyclohexane
Concen: 51.104 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 83 Resp: 411280
Ion Ratio Lower Upper
83 100
55 87.7 68.2 102.4
98 52.3 38.2 57.4

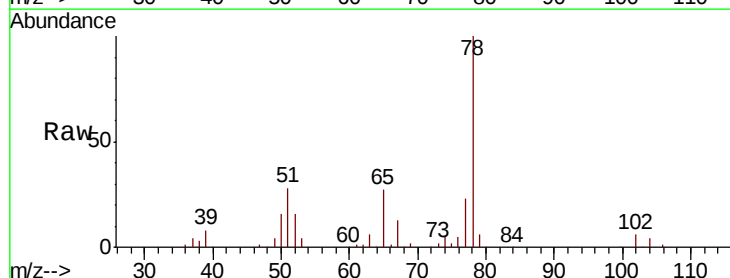


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

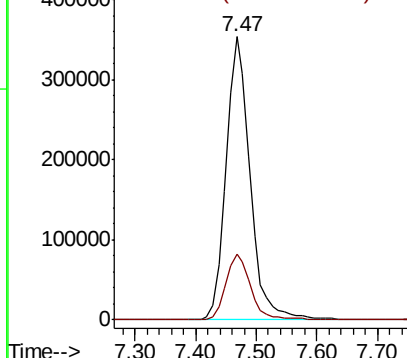
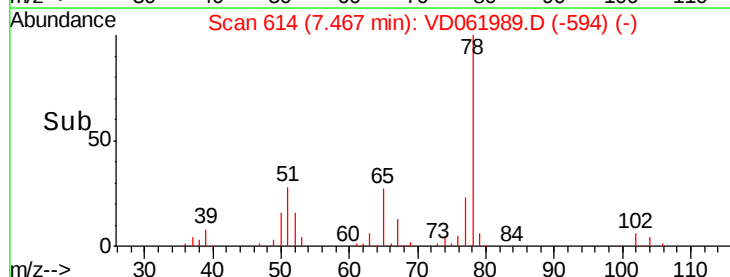


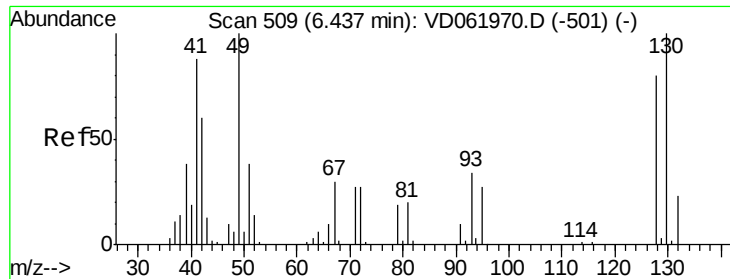
#40
Benzene
Concen: 48.246 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion: 78 Resp: 974279
Ion Ratio Lower Upper
78 100
77 23.2 19.7 29.5



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

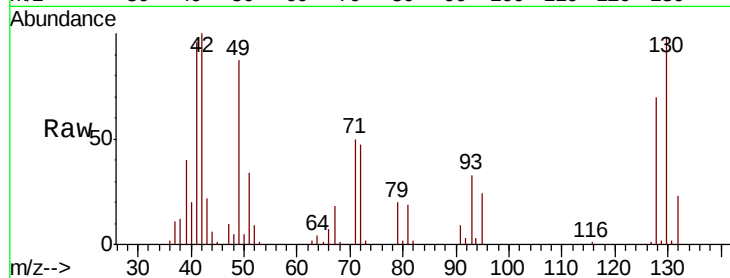




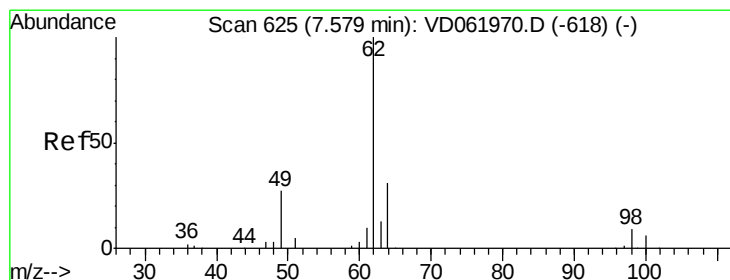
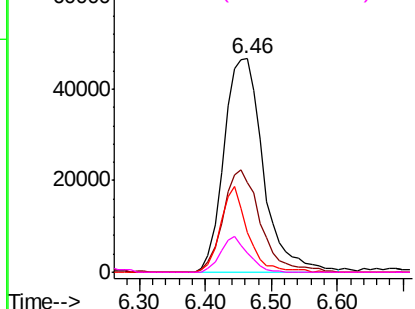
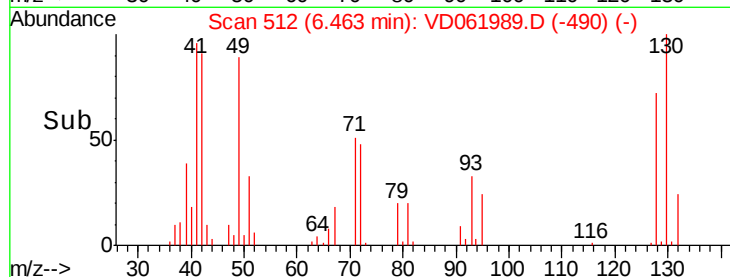
#41
Methacrylonitrile
Concen: 47.994 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 41 Resp: 194652
Ion Ratio Lower Upper
41 100
39 41.9 34.1 51.1
67 18.7 23.8 35.6#
52 9.2 8.8 13.2

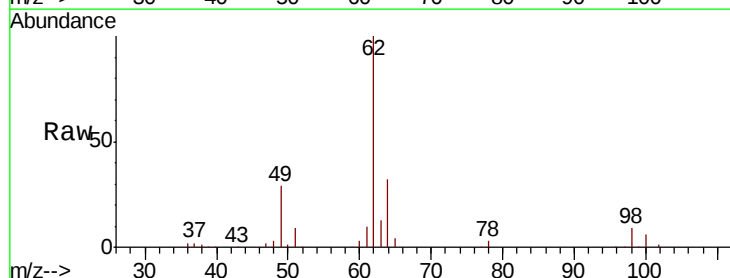


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

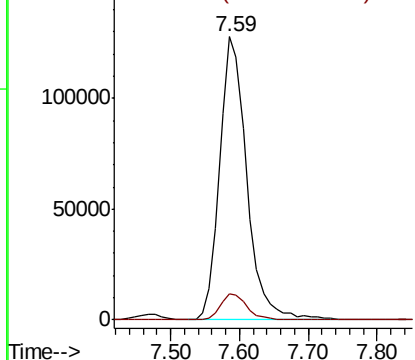
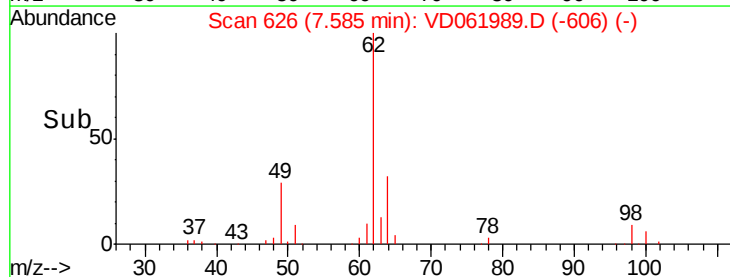


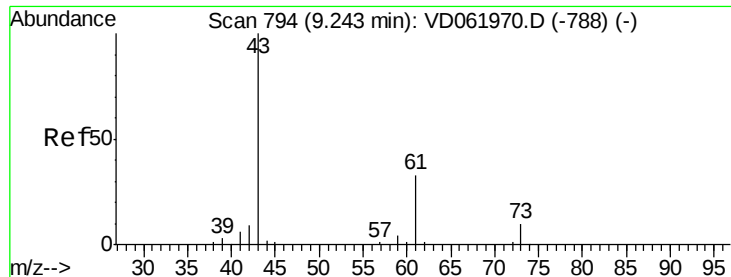
#42
1,2-Dichloroethane
Concen: 50.922 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion: 62 Resp: 349155
Ion Ratio Lower Upper
62 100
98 9.0 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 47.670 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampled :

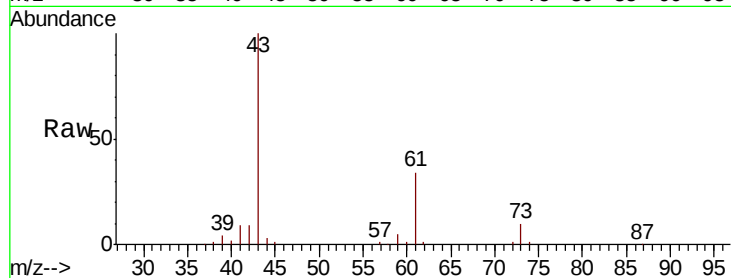
Tgt Ion: 43 Resp: 242109

Ion Ratio Lower Upper

43 100

61 34.1 25.1 37.7

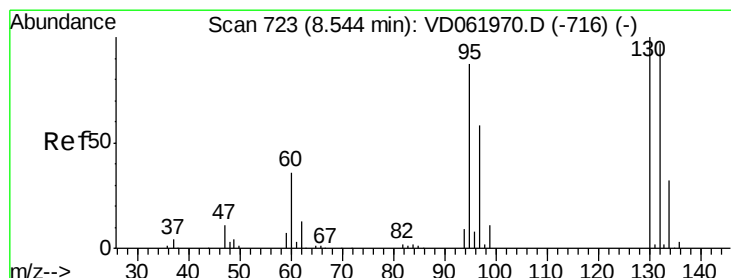
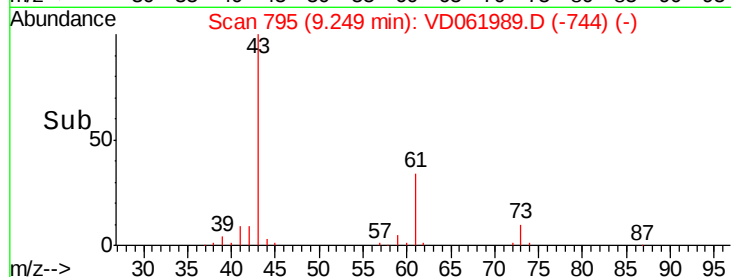
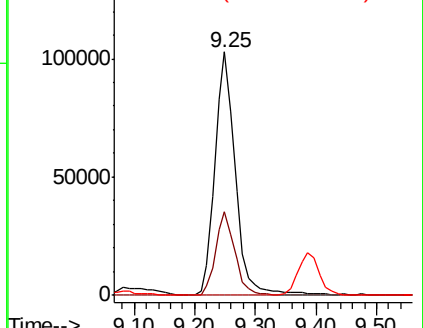
87 0.3 0.0 0.0#



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: 50.263 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD061989.D

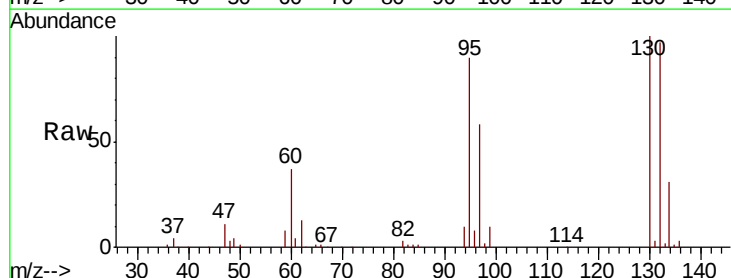
Acq: 24 Apr 2019 10:45

Tgt Ion:130 Resp: 393510

Ion Ratio Lower Upper

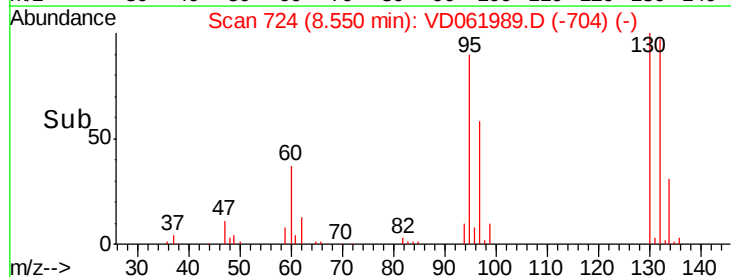
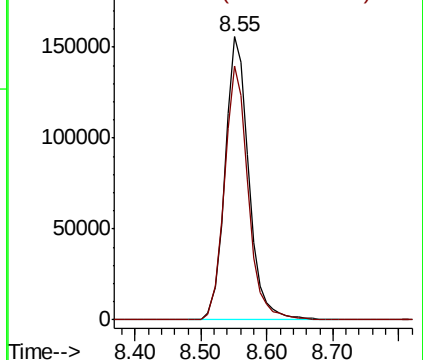
130 100

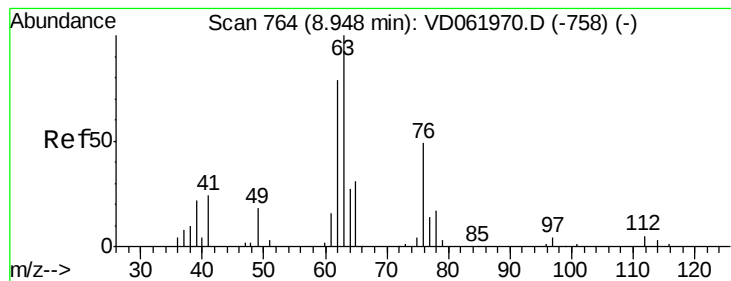
95 89.8 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.277 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

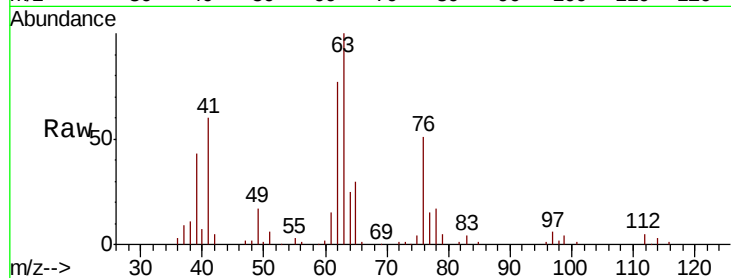
ClientSampleId :

Tgt Ion: 63 Resp: 247327

Ion Ratio Lower Upper

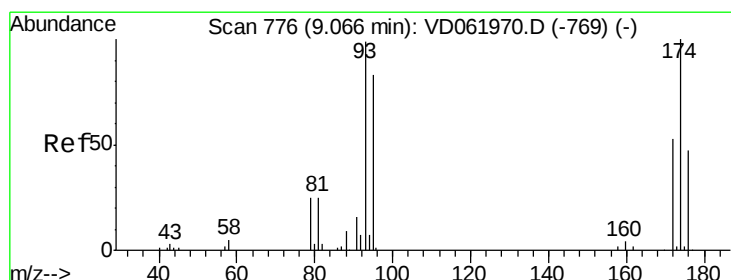
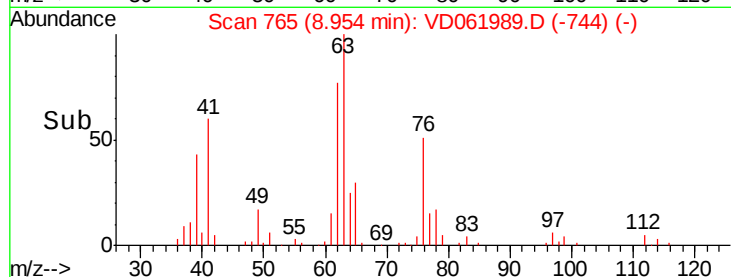
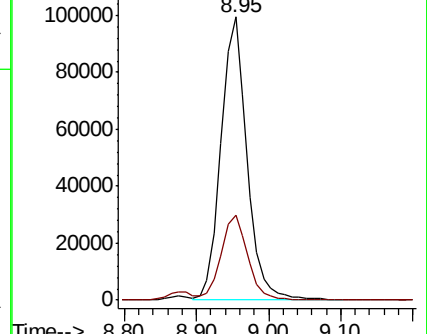
63 100

65 29.8 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 48.666 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

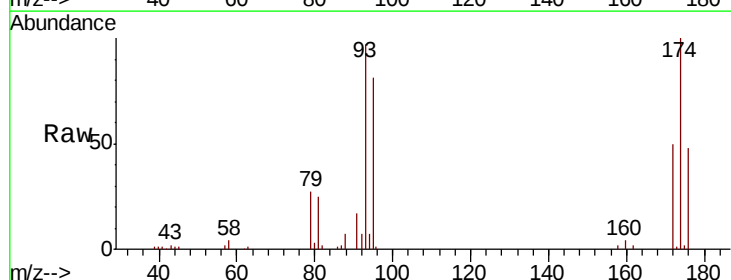
Tgt Ion: 93 Resp: 179397

Ion Ratio Lower Upper

93 100

95 83.7 64.8 97.2

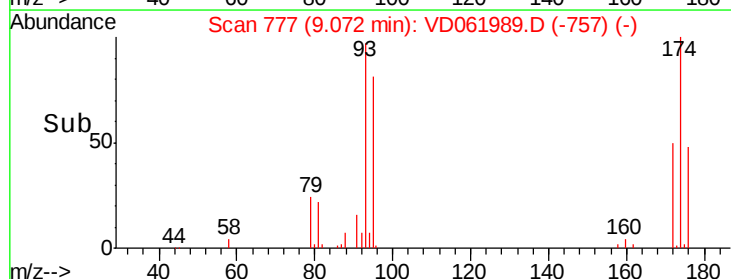
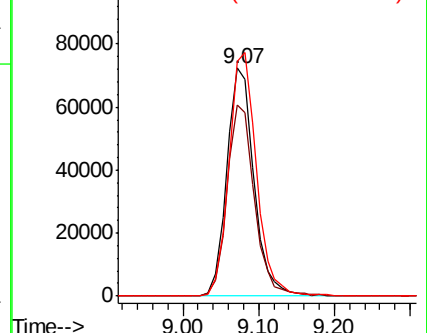
174 102.9 79.3 118.9

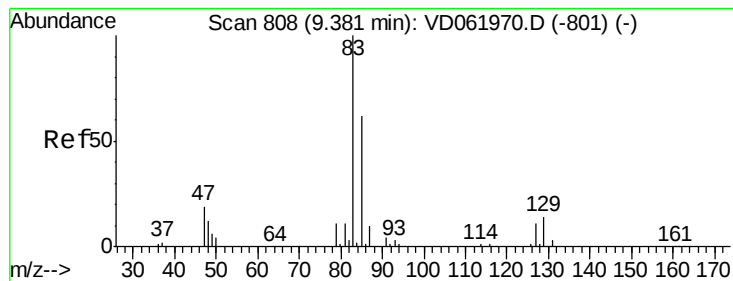


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 48.173 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

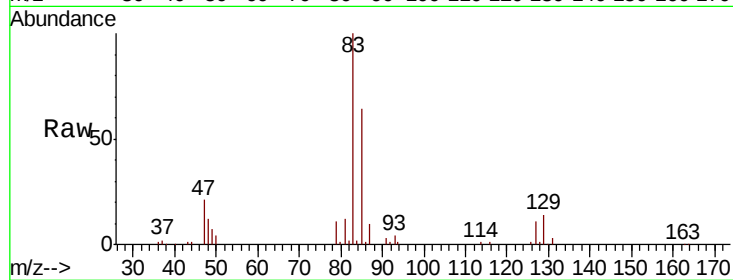
Tgt Ion: 83 Resp: 419593

Ion Ratio Lower Upper

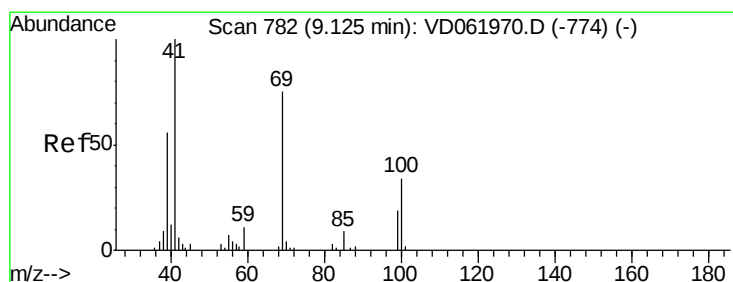
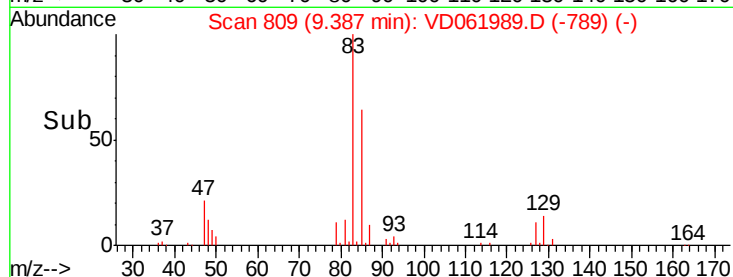
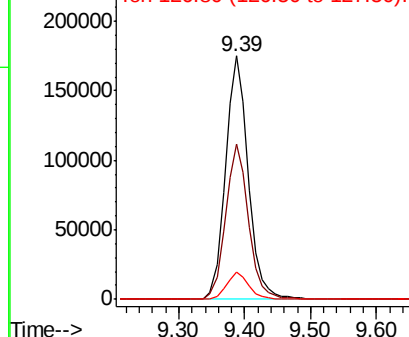
83 100

85 63.9 50.9 76.3

127 11.3 8.1 12.1



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: 46.435 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

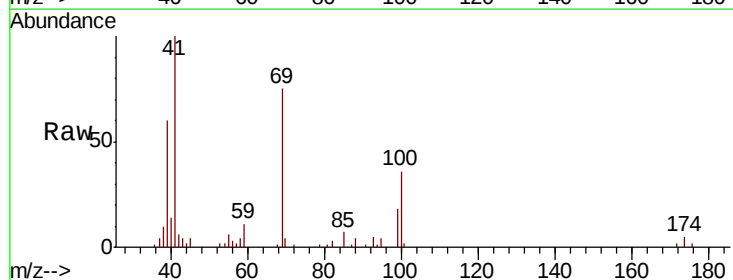
Tgt Ion: 41 Resp: 134560

Ion Ratio Lower Upper

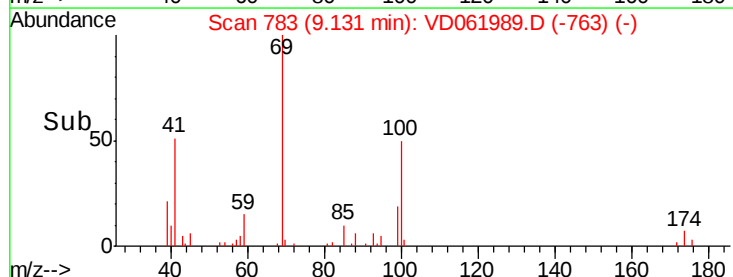
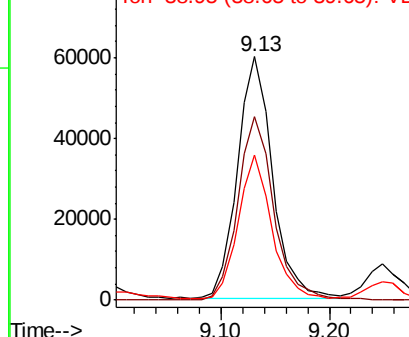
41 100

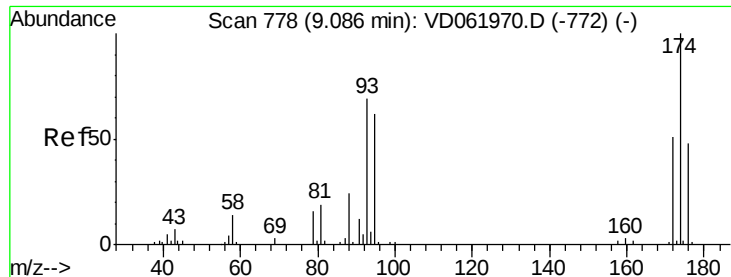
69 75.2 64.2 96.2

39 59.5 46.8 70.2



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

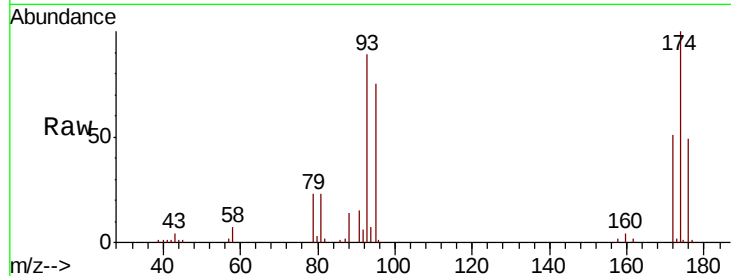




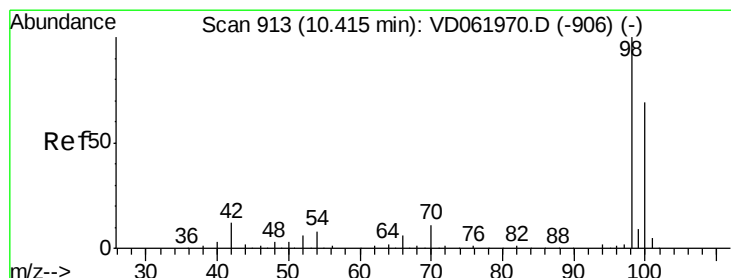
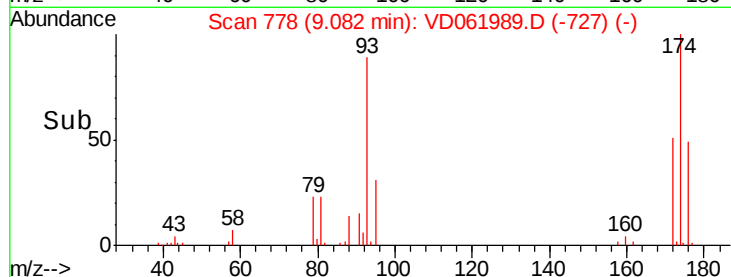
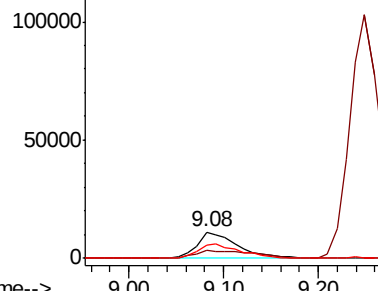
#49
1,4-Dioxane
Concen: 1029.709 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 88 Resp: 32170
Ion Ratio Lower Upper
88 100
43 29.4 23.4 35.0
58 49.4 44.0 66.0

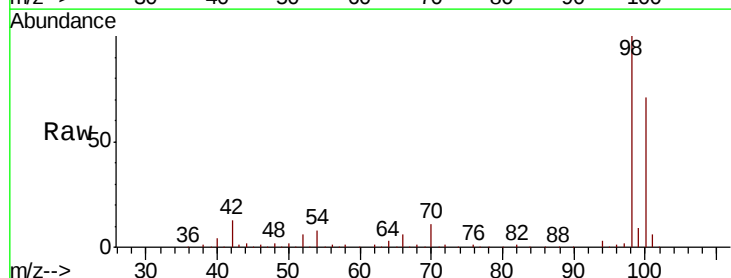


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

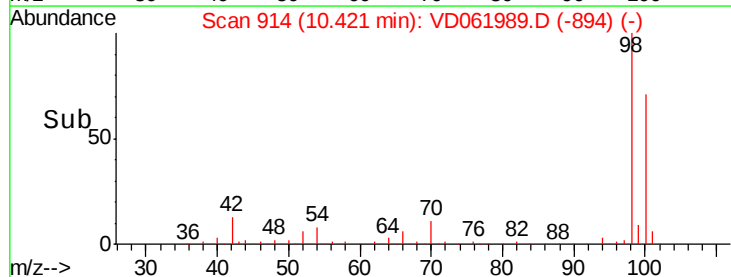
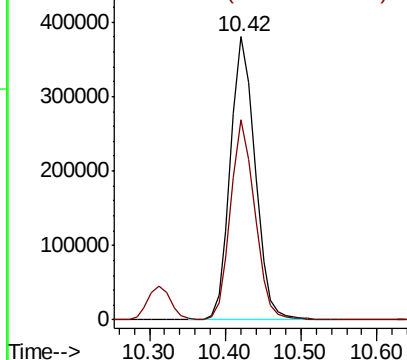


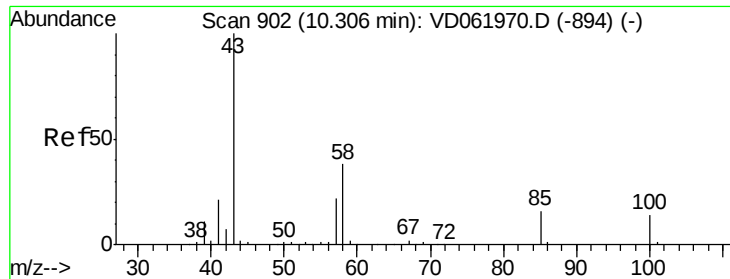
#50
Toluene-d8
Concen: 1029.709 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion: 98 Resp: 860707
Ion Ratio Lower Upper
98 100
100 70.9 53.8 80.8



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

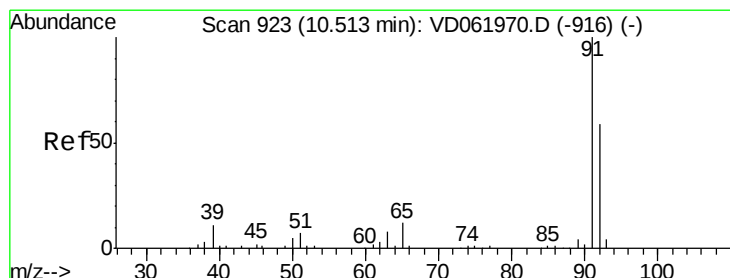
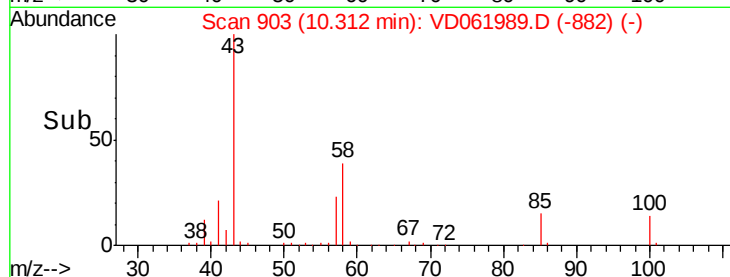
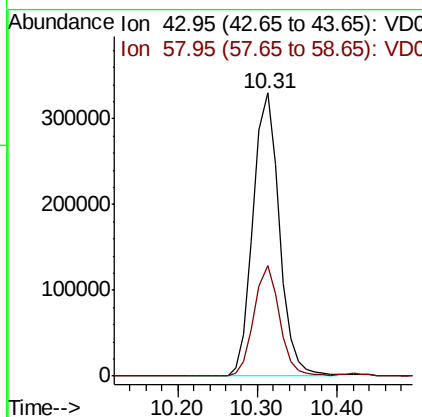
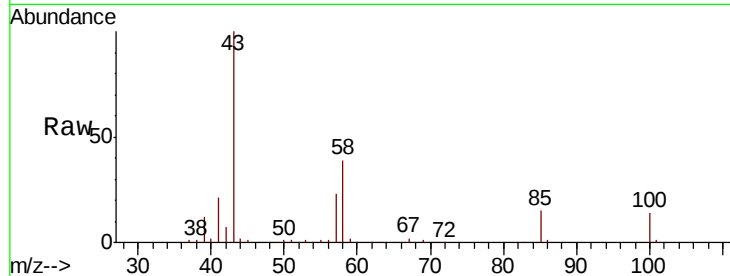




#51
 4-Methyl-2-Pentanone
 Concen: 241.663 ug/l
 RT: 10.31 min Scan# 903
 Delta R.T. 0.01 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

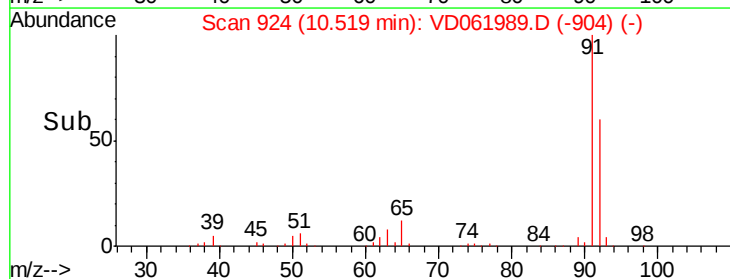
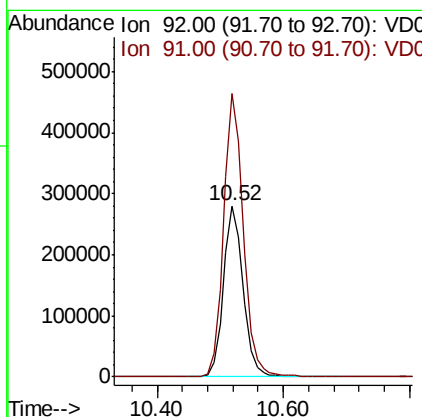
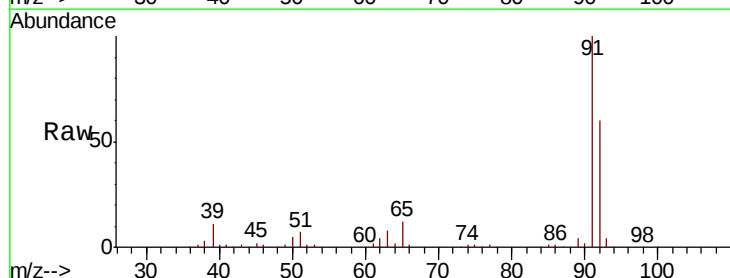
Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 43 Resp: 750619
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.4 45.6



#52
 Toluene
 Concen: 47.062 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion: 92 Resp: 605965
 Ion Ratio Lower Upper
 92 100
 91 165.7 136.6 204.8

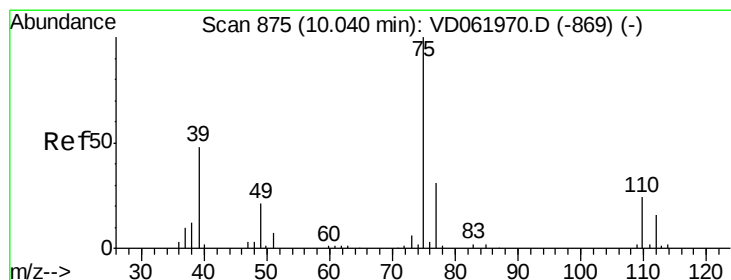
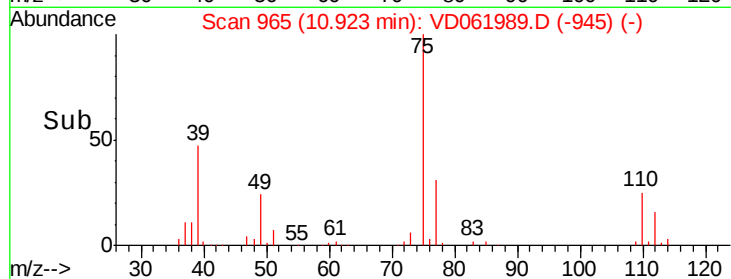
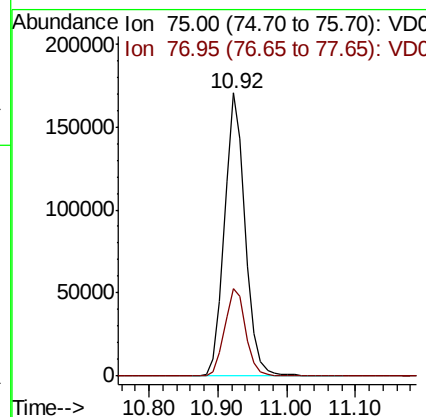
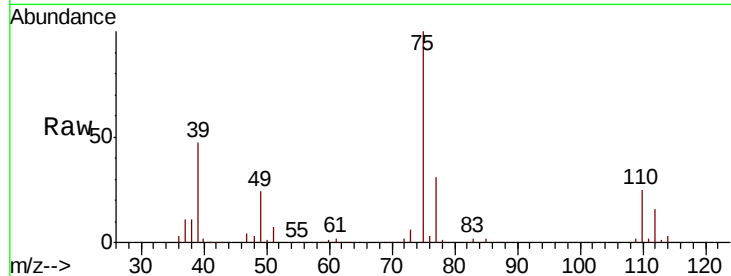




#53
 t-1,3-Dichloropropene
 Concen: 48.251 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

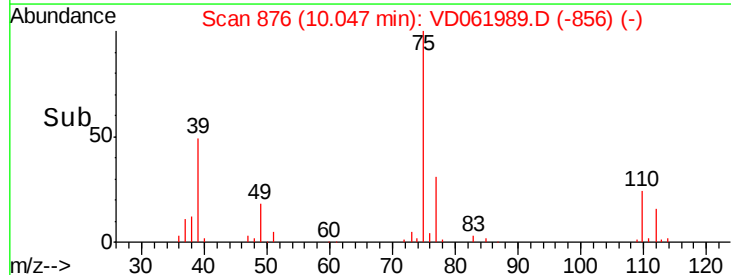
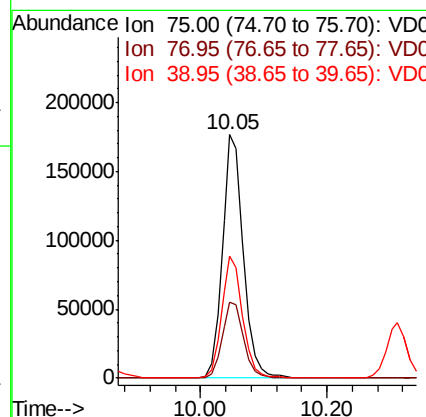
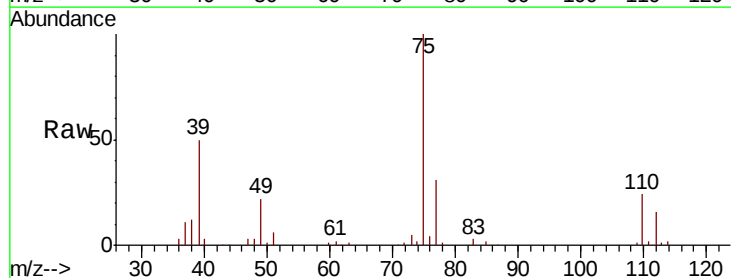
Instrument :
 MSVOA_D
 ClientSampleId :

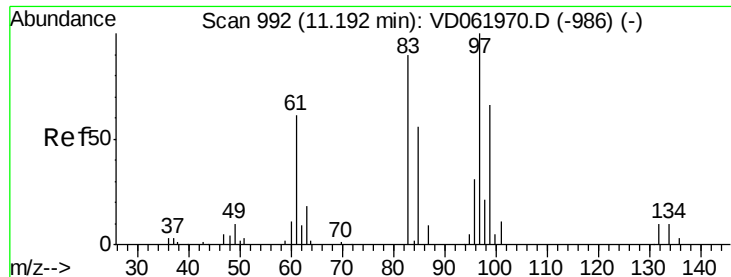
Tgt Ion: 75 Resp: 352771
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 46.010 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion: 75 Resp: 409129
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3
 39 50.3 39.4 59.2

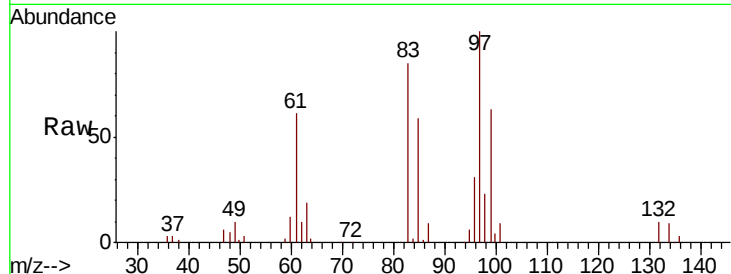




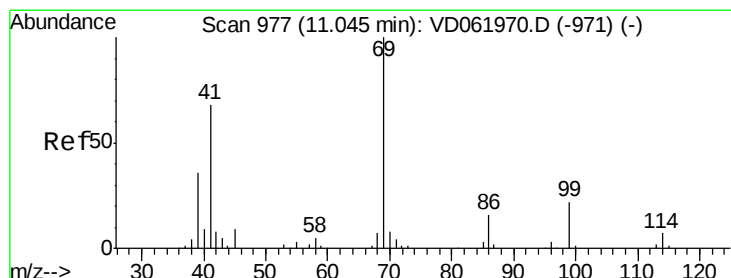
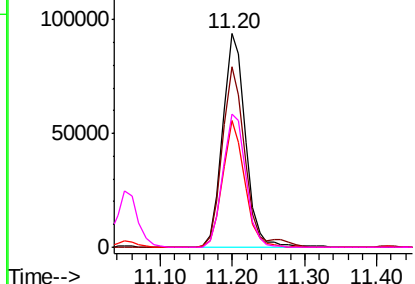
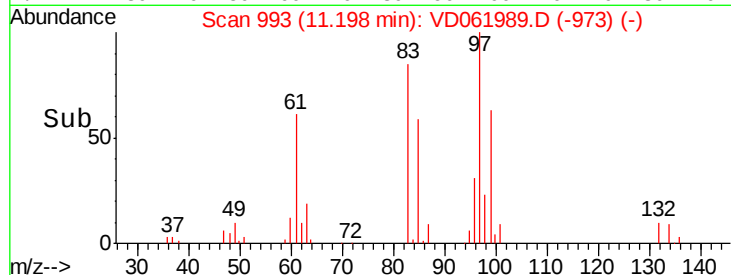
#55
 1,1,2-Trichloroethane
 Concen: 47.443 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 97 Resp: 205084
 Ion Ratio Lower Upper
 97 100
 83 84.6 65.7 98.5
 85 59.1 45.6 68.4
 99 62.6 48.4 72.6

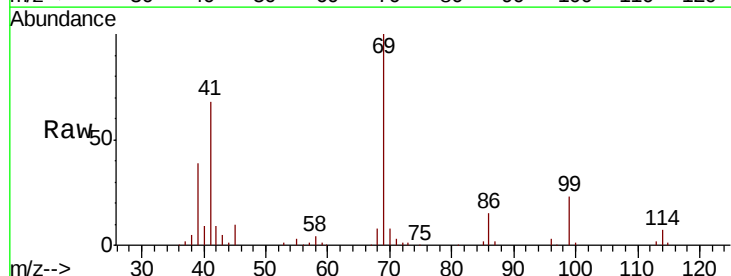


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

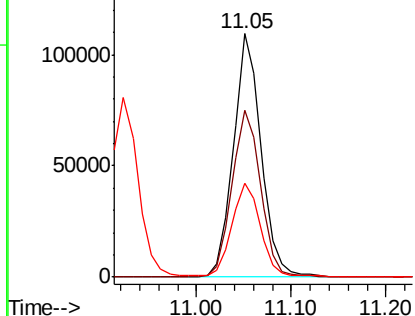
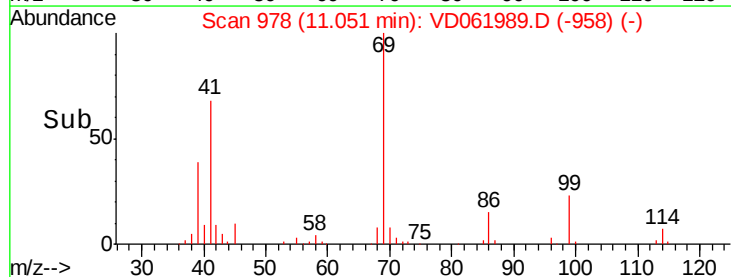


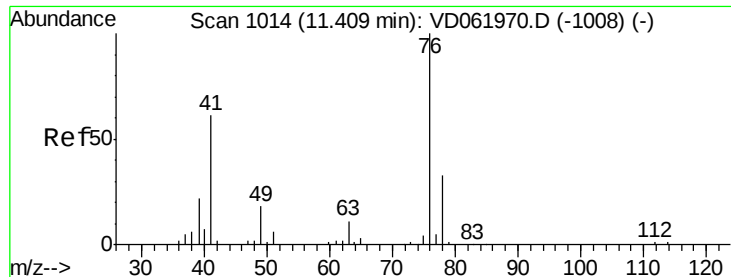
#56
 Ethyl methacrylate
 Concen: 46.210 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion: 69 Resp: 221236
 Ion Ratio Lower Upper
 69 100
 41 68.3 56.3 84.5
 39 38.7 29.4 44.2



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: 47.910 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

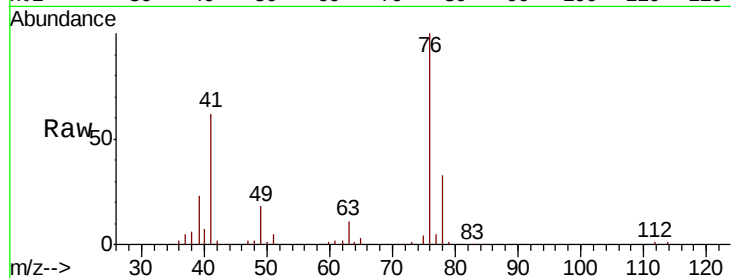
ClientSampleId :

Tgt Ion: 76 Resp: 319868

Ion Ratio Lower Upper

76 100

78 33.2 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

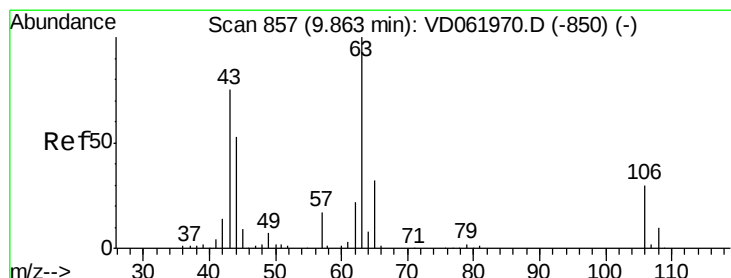
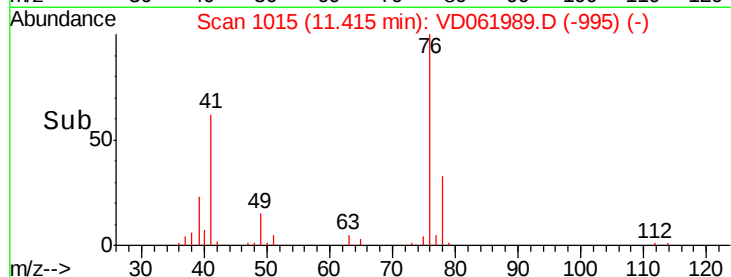
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 233.076 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.00 min

Lab File: VD061989.D

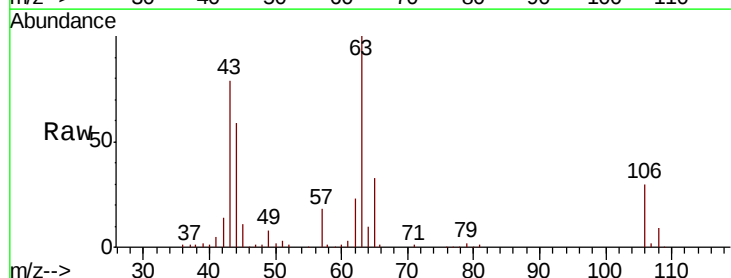
Acq: 24 Apr 2019 10:45

Tgt Ion: 63 Resp: 518804

Ion Ratio Lower Upper

63 100

106 30.1 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

9.87

250000

200000

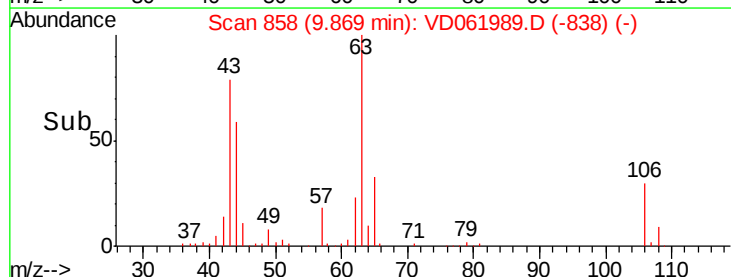
150000

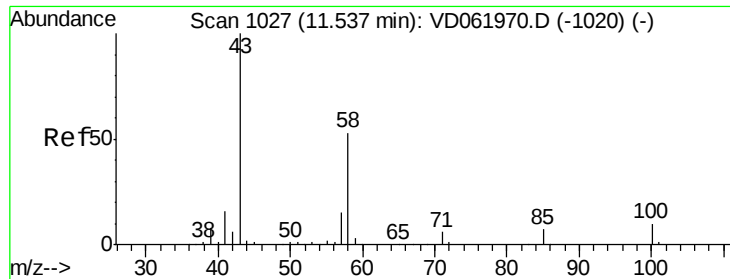
100000

50000

0

Time-->

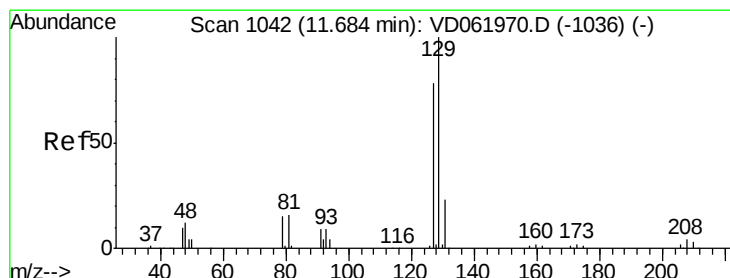
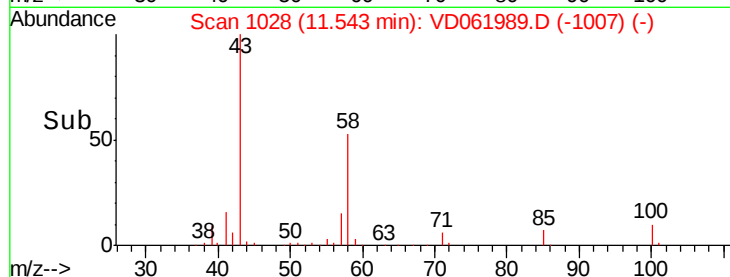
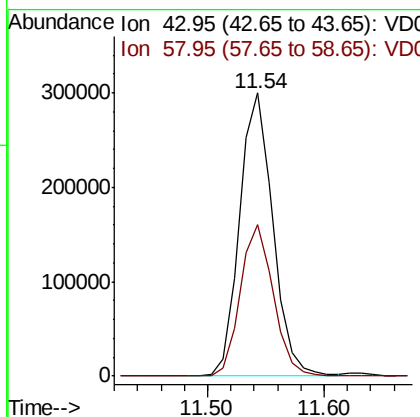
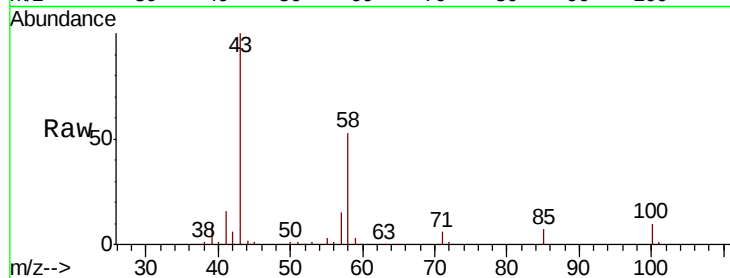




#59
2-Hexanone
Concen: 254.816 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

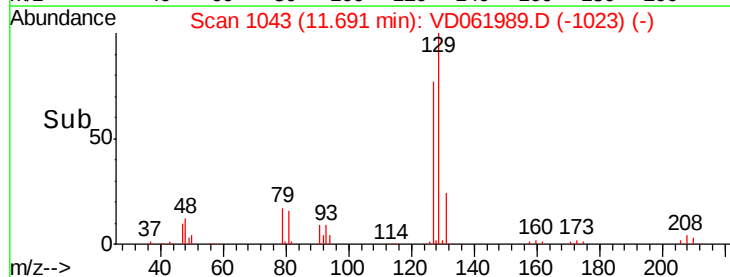
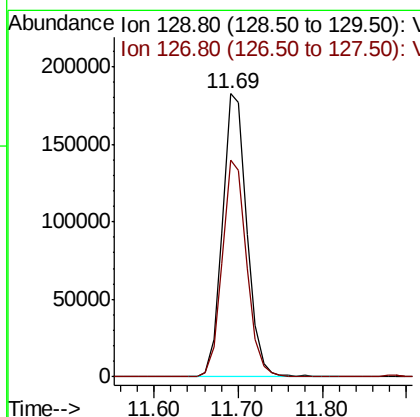
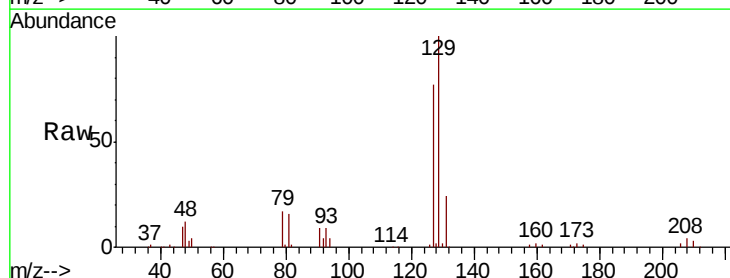
Instrument :
MSVOA_D
ClientSampleId :

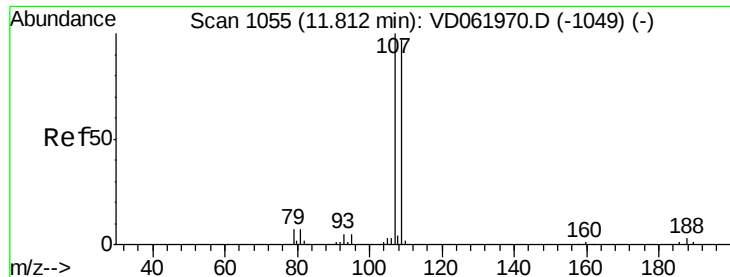
Tgt Ion: 43 Resp: 593718
Ion Ratio Lower Upper
43 100
58 53.4 25.4 76.4



#60
Dibromochloromethane
Concen: 51.242 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion: 129 Resp: 366513
Ion Ratio Lower Upper
129 100
127 76.8 38.0 113.9

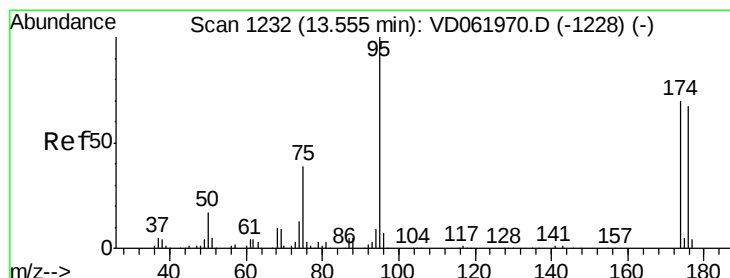
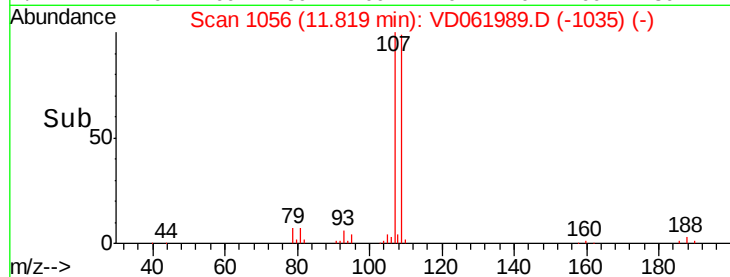
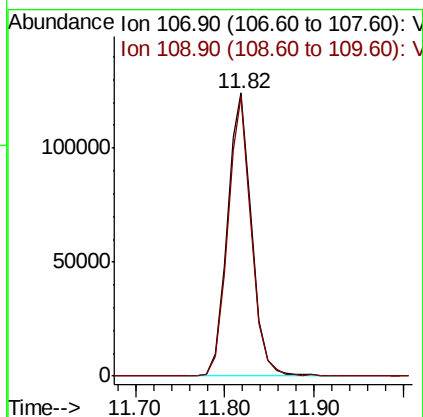
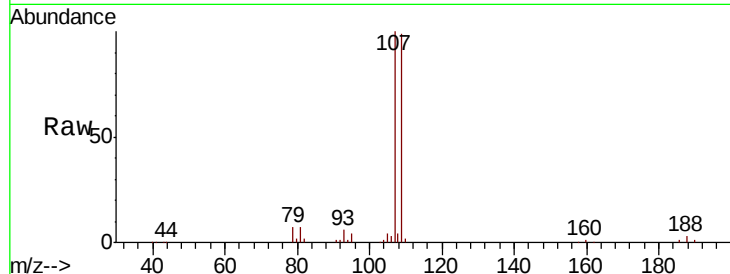




#61
 1,2-Dibromoethane
 Concen: 46.177 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

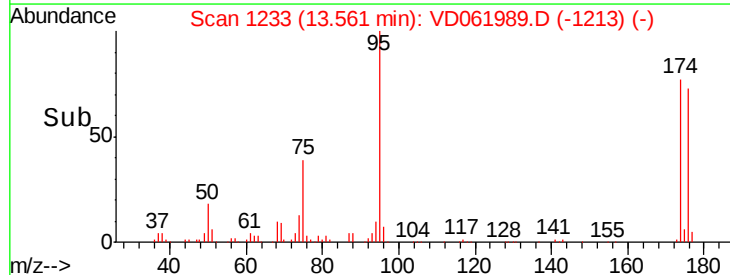
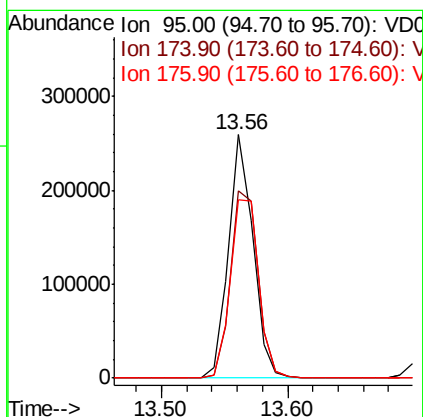
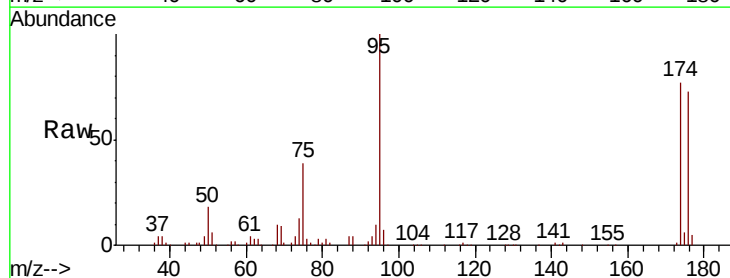
Instrument :
 MSVOA_D
 ClientSampled :

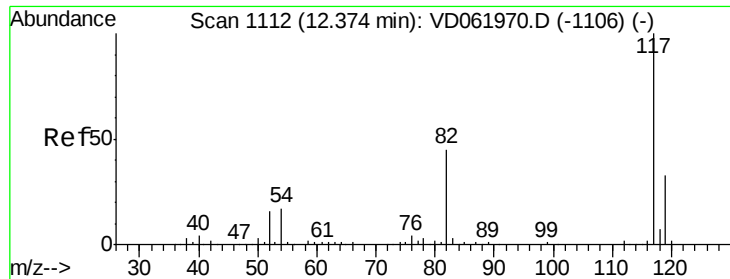
Tgt Ion: 107 Resp: 236789
 Ion Ratio Lower Upper
 107 100
 109 98.8 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 46.177 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion: 95 Resp: 345919
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 181.8
 176 73.2 0.0 174.4

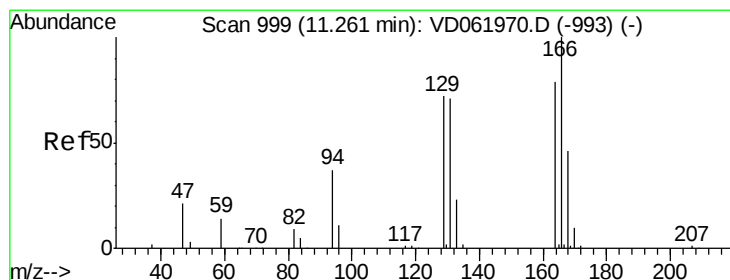
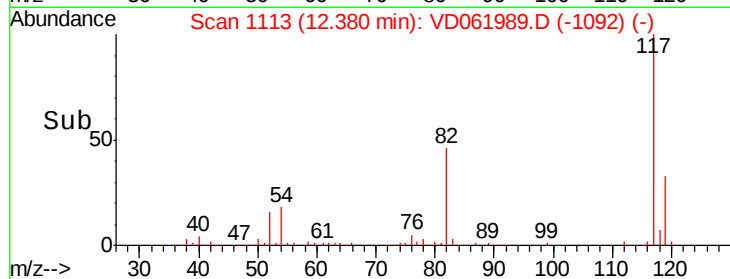
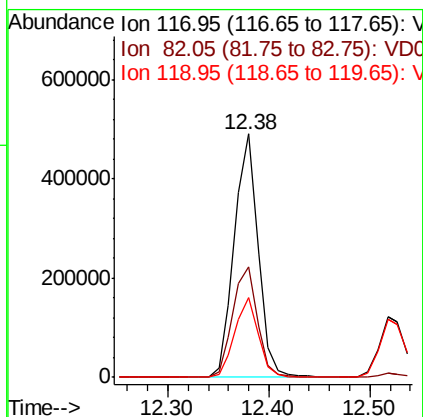
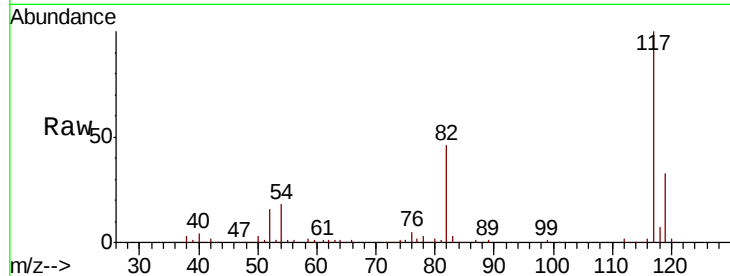




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

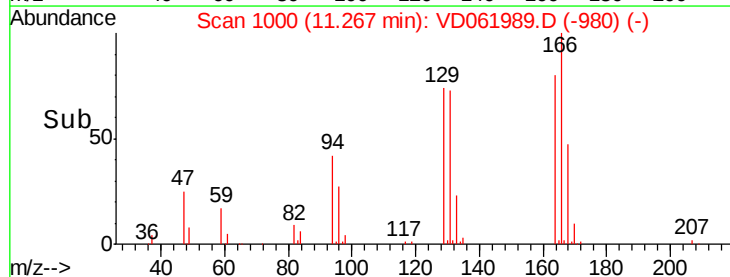
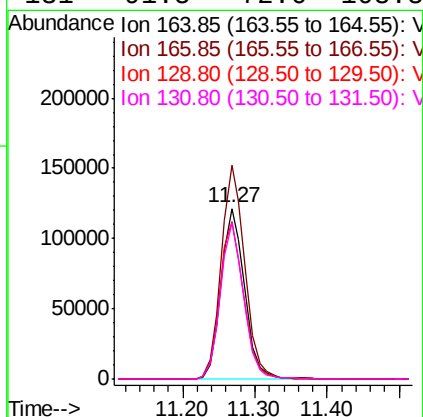
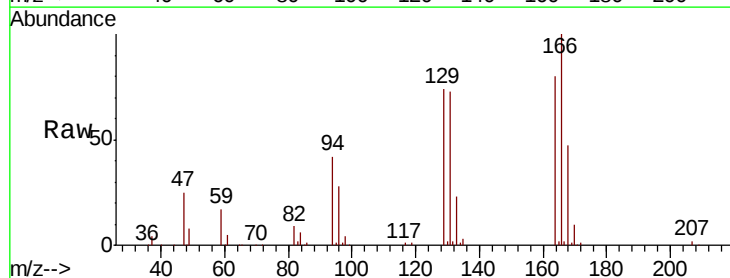
Instrument :
MSVOA_D
ClientSampled :

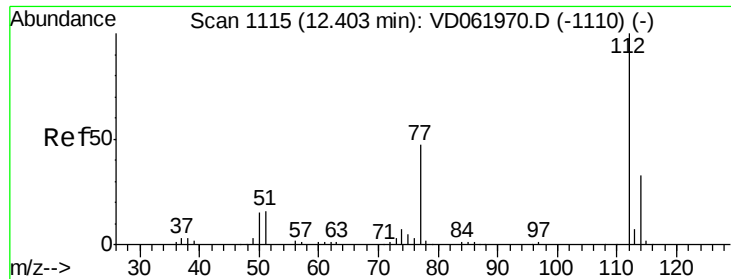
Tgt Ion:117 Resp: 805091
Ion Ratio Lower Upper
117 100
82 45.5 36.2 54.2
119 32.7 26.2 39.4



#64
Tetrachloroethene
Concen: 47.424 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion:164 Resp: 272366
Ion Ratio Lower Upper
164 100
166 125.0 101.5 152.3
129 92.4 74.6 112.0
131 91.5 72.6 108.8

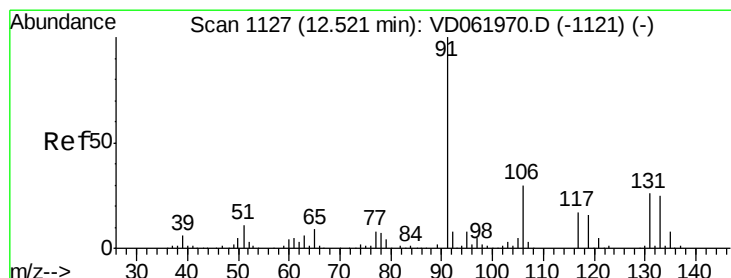
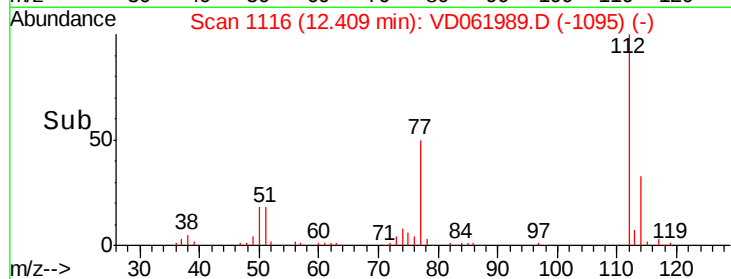
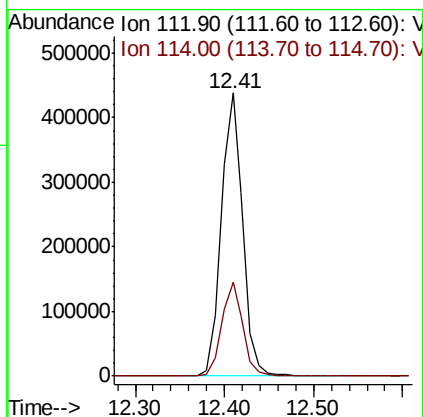
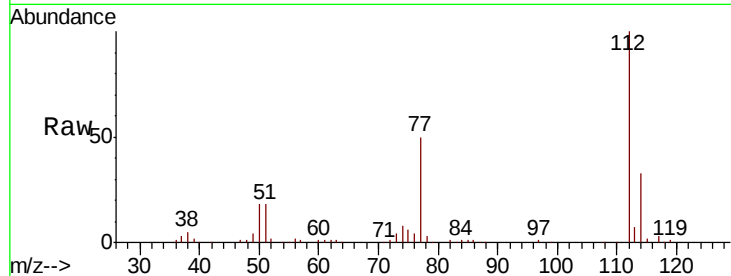




#65
Chlorobenzene
Concen: 48.450 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

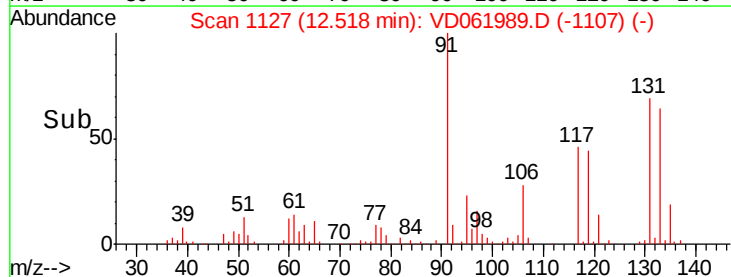
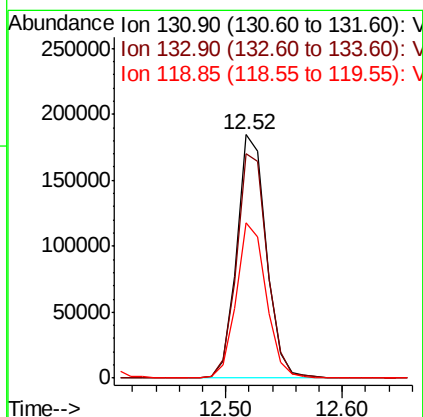
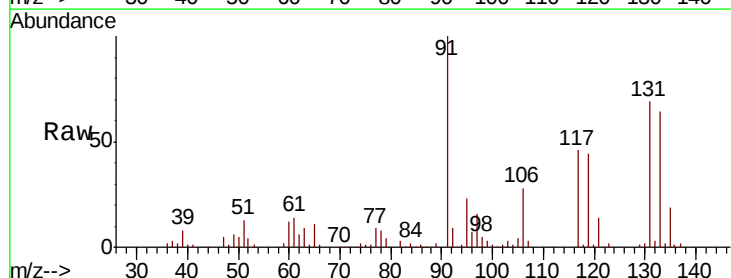
Instrument :
MSVOA_D
ClientSampled :

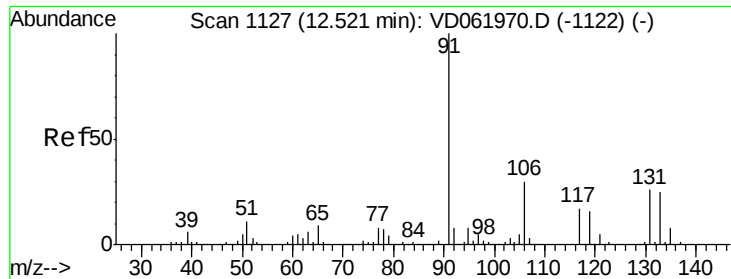
Tgt Ion:112 Resp: 737084
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.143 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion:131 Resp: 323583
Ion Ratio Lower Upper
131 100
133 92.3 48.6 145.8
119 63.8 34.7 104.1

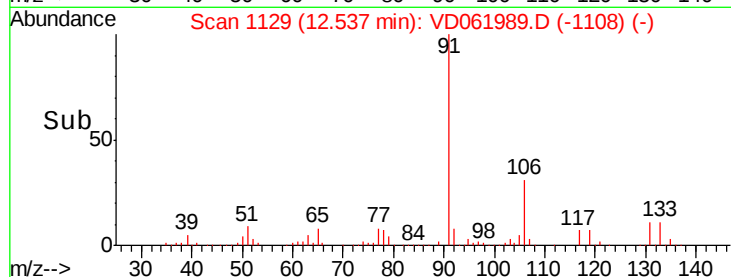
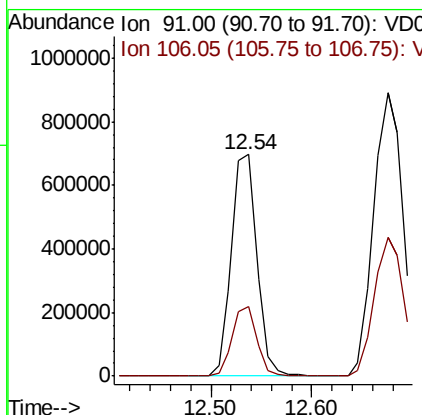
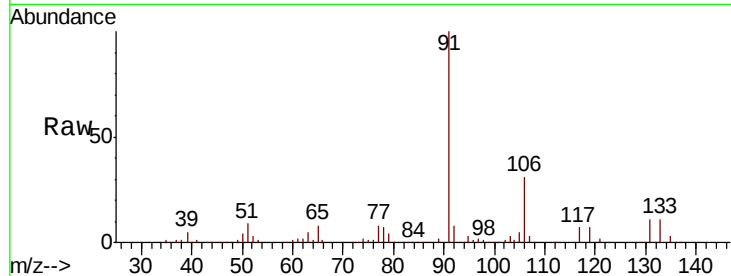




#67
Ethyl Benzene
Concen: 49.377 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

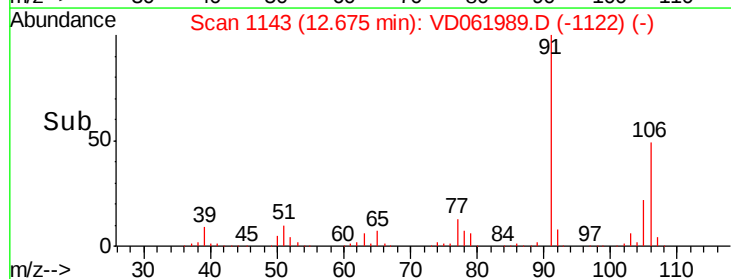
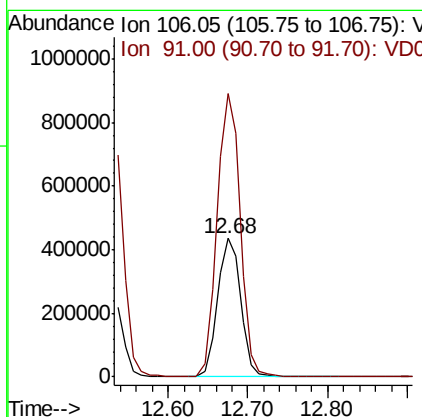
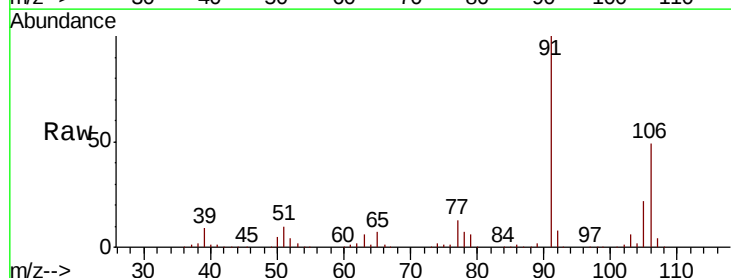
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 91 Resp: 1226086
Ion Ratio Lower Upper
91 100
106 31.5 24.7 37.1



#68
m/p-Xylenes
Concen: 99.591 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion: 106 Resp: 893786
Ion Ratio Lower Upper
106 100
91 204.5 164.0 246.0

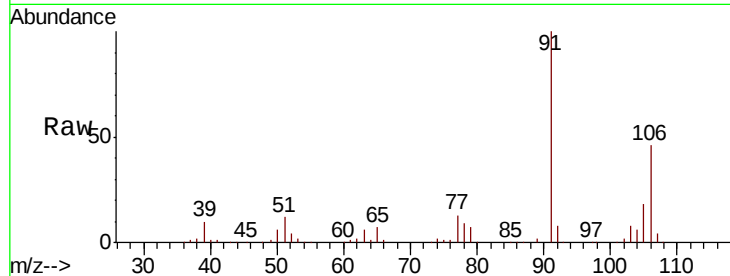




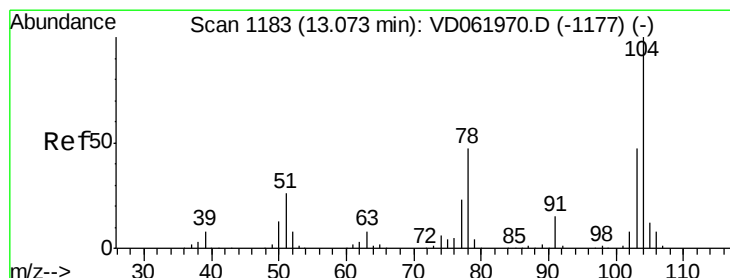
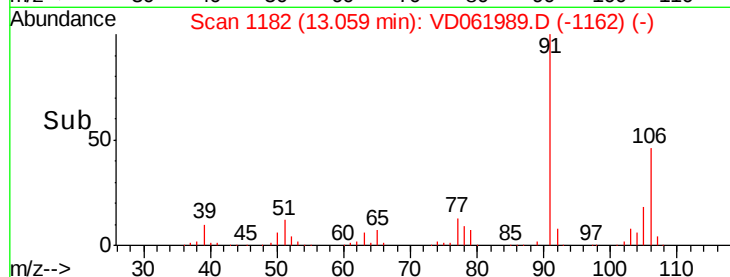
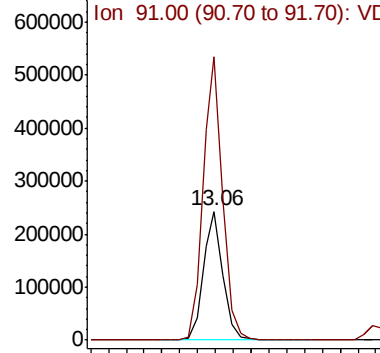
#69
o-Xylene
Concen: 45.344 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:106 Resp: 372345
Ion Ratio Lower Upper
106 100
91 219.4 106.7 319.9

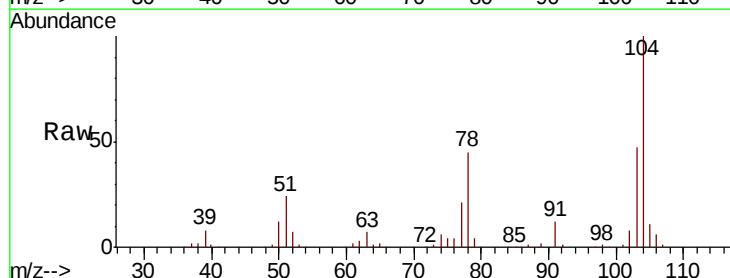


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

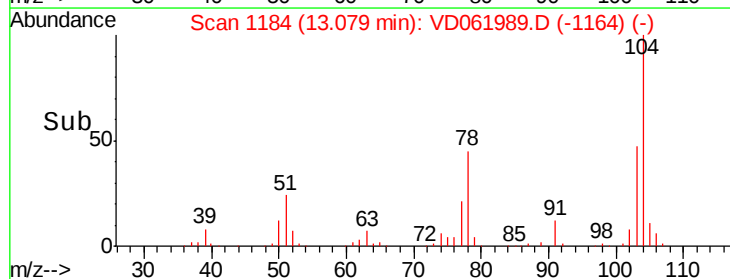
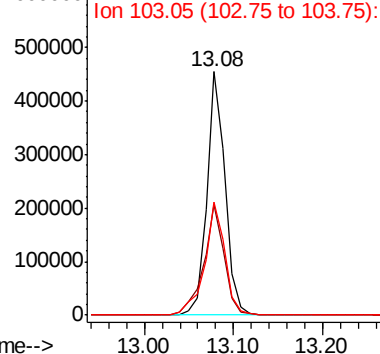


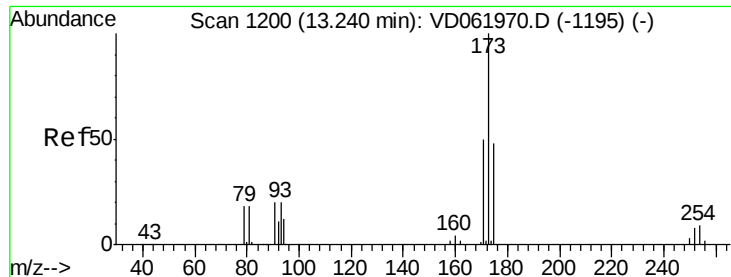
#70
Styrene
Concen: 46.039 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion:104 Resp: 652771
Ion Ratio Lower Upper
104 100
78 45.3 35.4 53.2
103 46.6 37.5 56.3



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





#71

Bromoform

Concen: 50.923 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

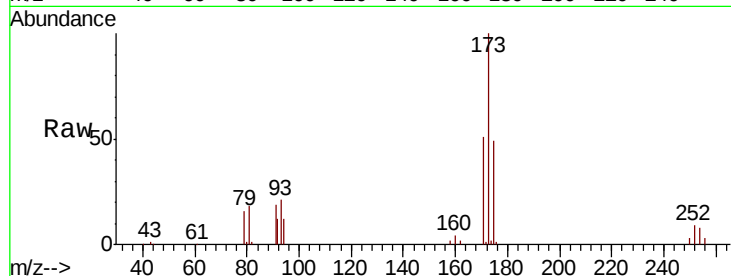
Tgt Ion:173 Resp: 187346

Ion Ratio Lower Upper

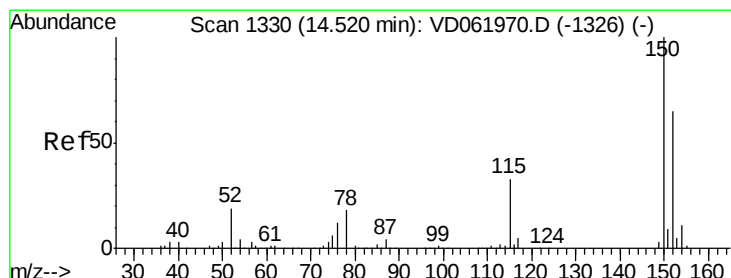
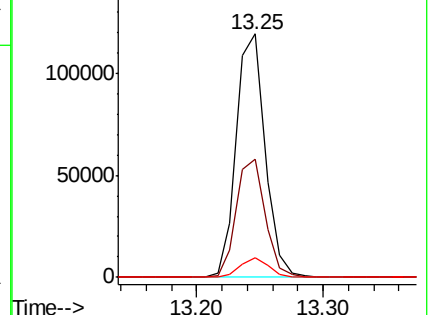
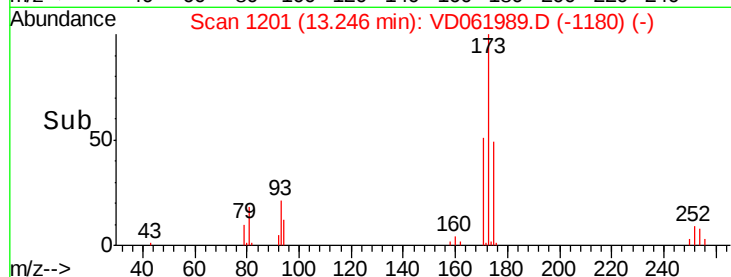
173 100

175 48.6 24.4 73.4

254 8.1 5.4 8.2



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: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

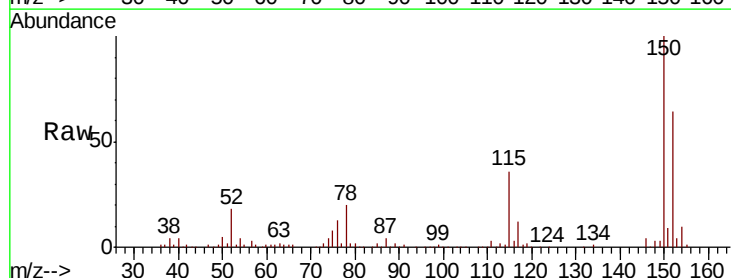
Tgt Ion:152 Resp: 396561

Ion Ratio Lower Upper

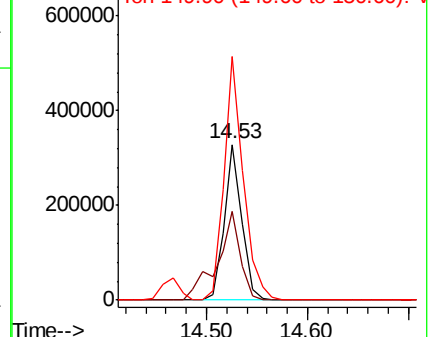
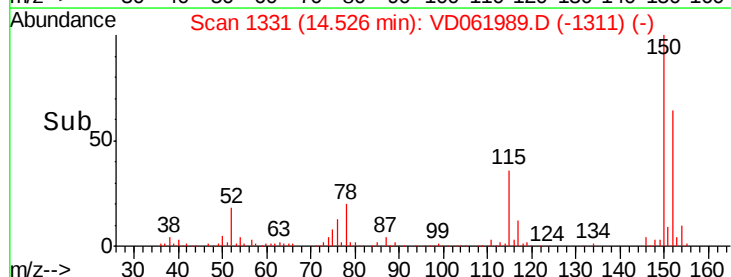
152 100

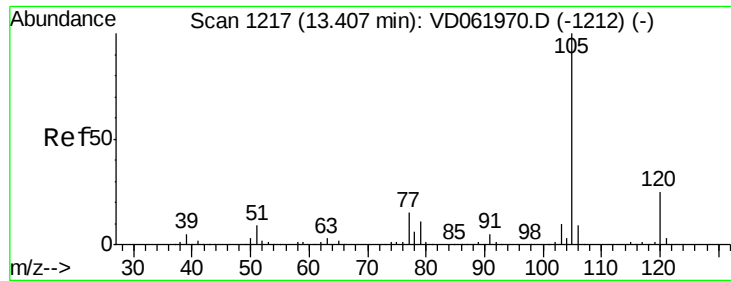
115 56.8 30.9 92.7

150 156.2 0.0 314.8



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: 43.827 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

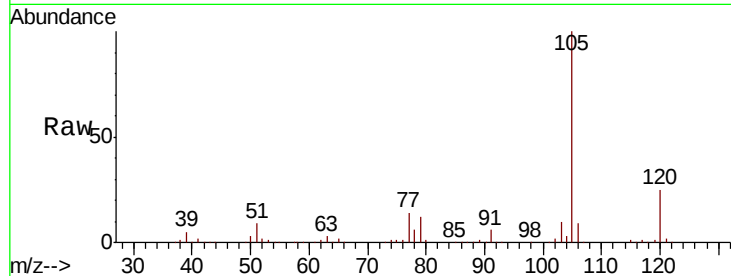
ClientSampleId :

Tgt Ion:105 Resp: 1159371

Ion Ratio Lower Upper

105 100

120 24.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

400000

200000

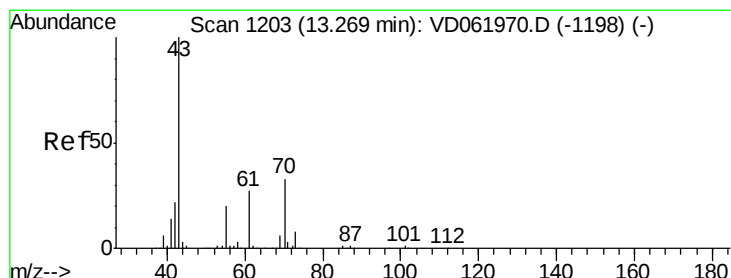
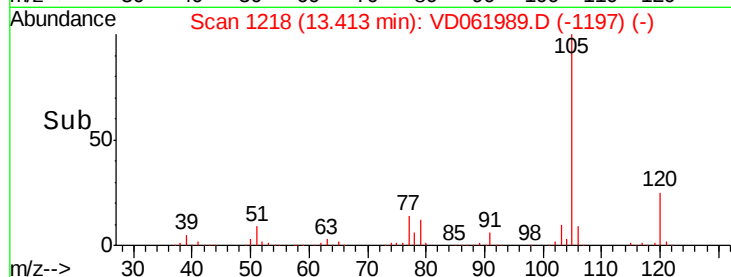
0

13.40

13.41

13.50

Time-->



#74

N-ethyl acetate

Concen: 41.830 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Tgt Ion: 43 Resp: 284972

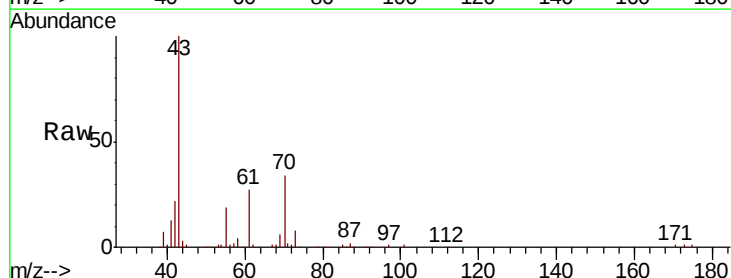
Ion Ratio Lower Upper

43 100

70 33.8 24.2 36.4

55 19.4 16.0 24.0

61 26.8 21.6 32.4



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

300000

200000

100000

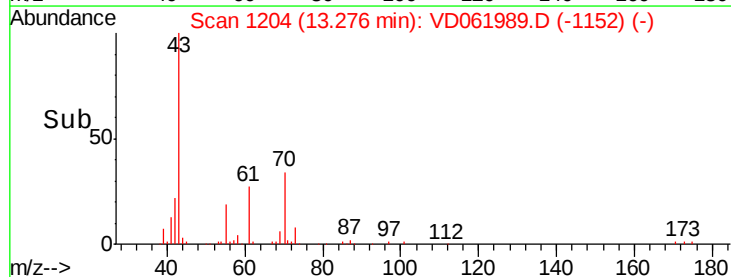
0

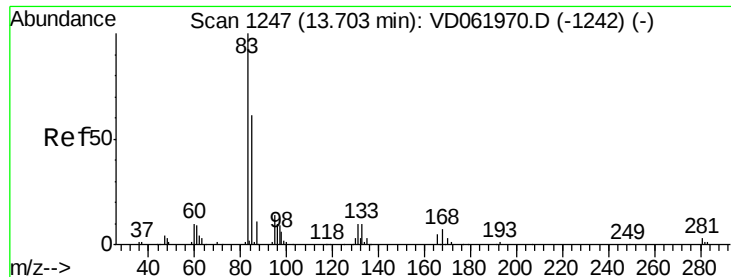
13.20

13.28

13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.133 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

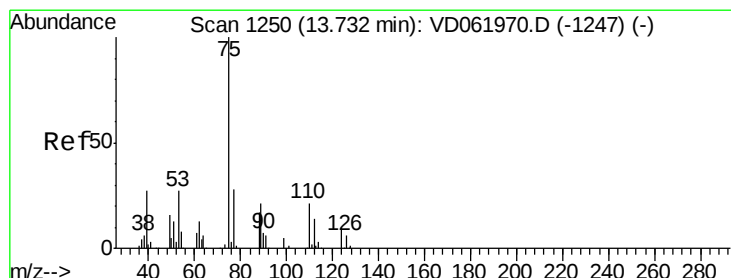
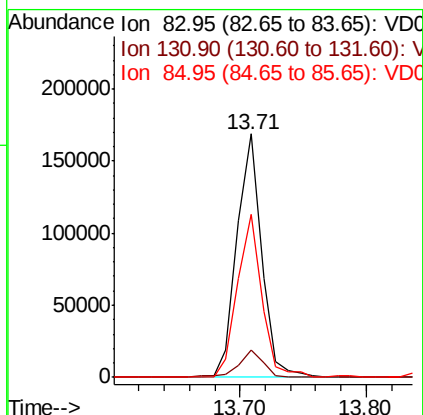
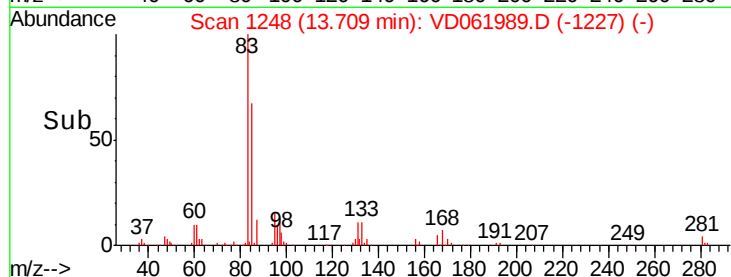
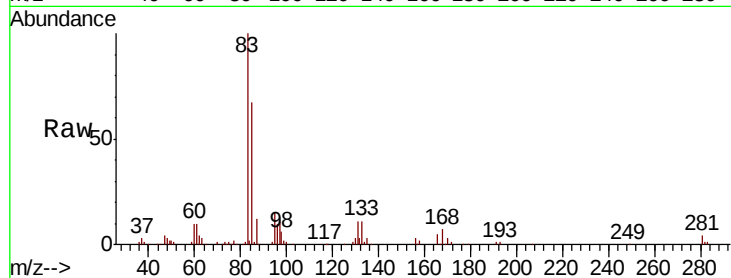
Tgt Ion: 83 Resp: 228782

Ion Ratio Lower Upper

83 100

131 11.3 5.0 14.9

85 67.0 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 49.782 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD061989.D

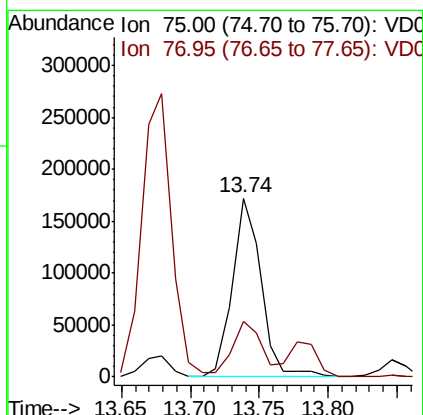
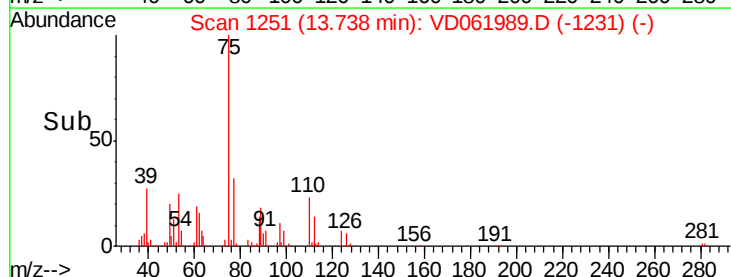
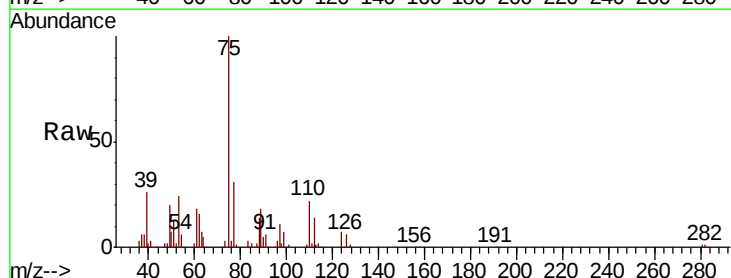
Acq: 24 Apr 2019 10:45

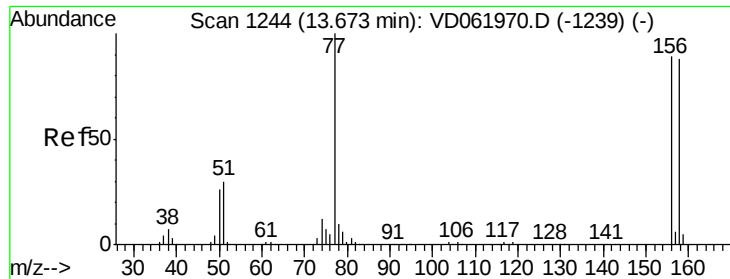
Tgt Ion: 75 Resp: 250688

Ion Ratio Lower Upper

75 100

77 31.0 16.4 49.4

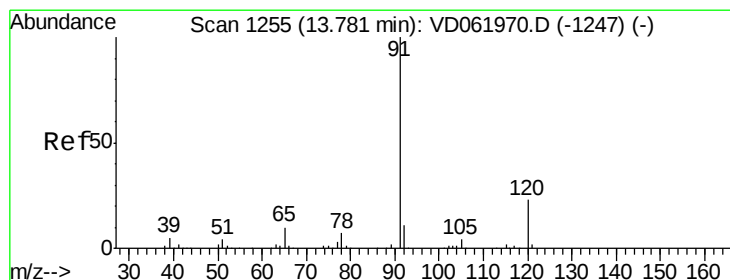
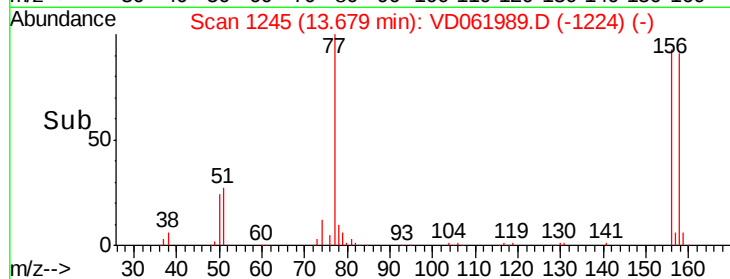
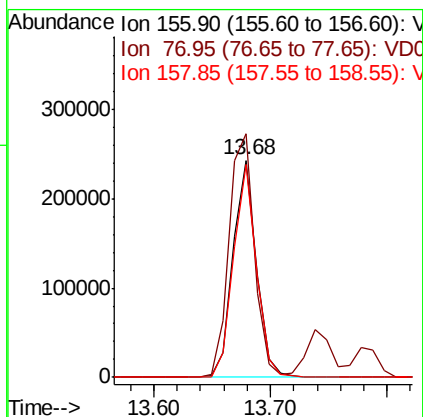
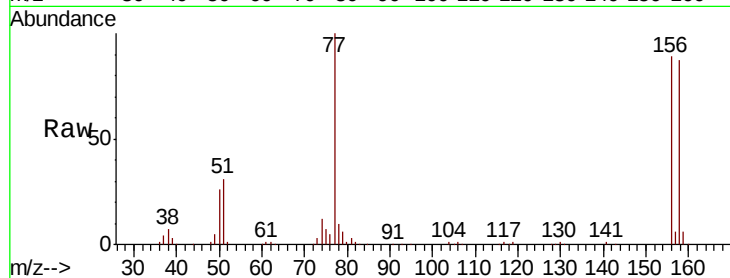




#77
Bromobenzene
Concen: 44.449 ug/l
RT: 13.68 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

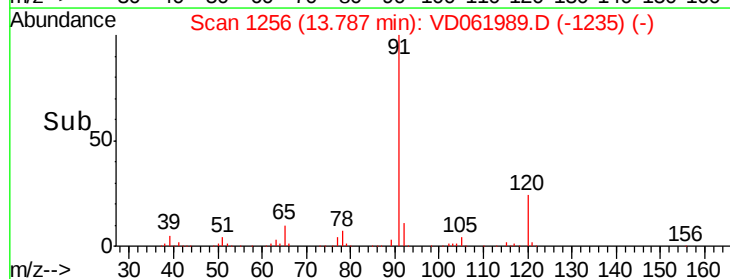
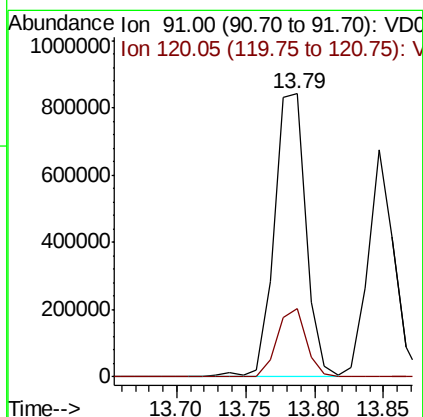
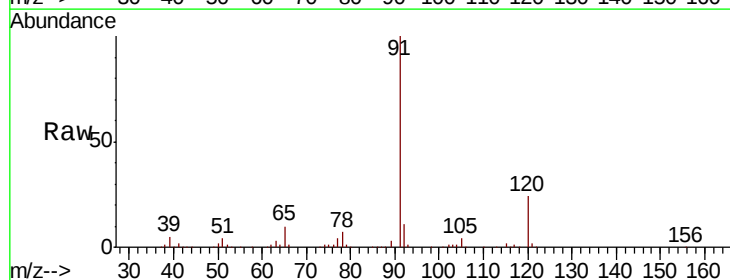
Instrument :
MSVOA_D
ClientSampleId :

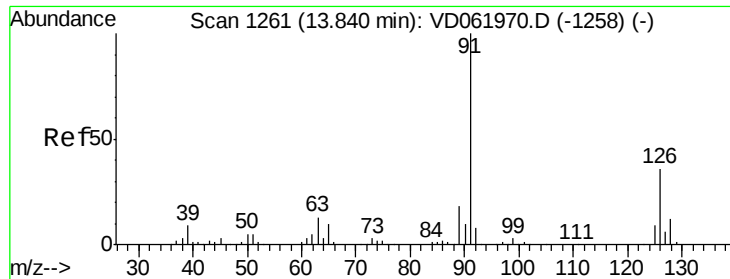
Tgt Ion:156 Resp: 337303
Ion Ratio Lower Upper
156 100
77 112.2 53.1 159.4
158 98.0 49.4 148.0



#78
n-propylbenzene
Concen: 44.136 ug/l
RT: 13.79 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion: 91 Resp: 1336578
Ion Ratio Lower Upper
91 100
120 24.0 11.1 33.1

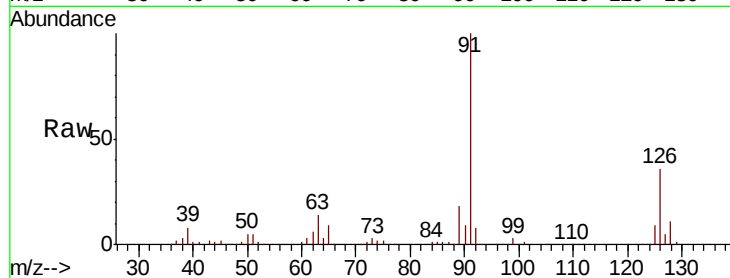




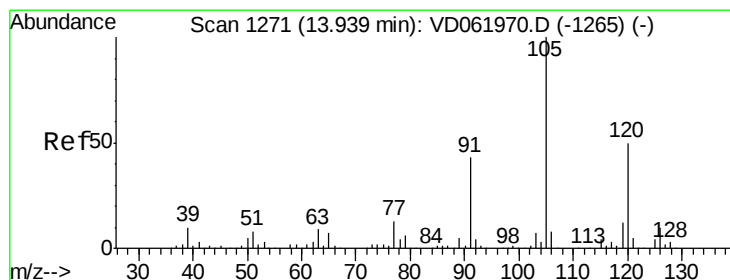
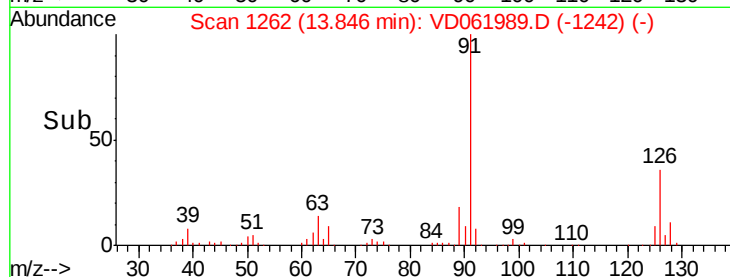
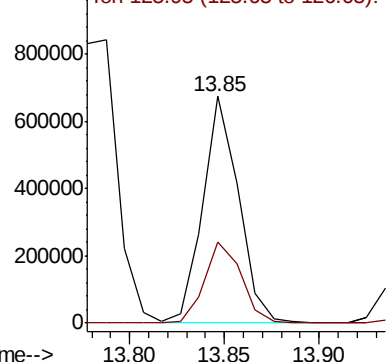
#79
 2-Chlorotoluene
 Concen: 47.639 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 91 Resp: 873839
 Ion Ratio Lower Upper
 91 100
 126 35.7 18.6 55.8

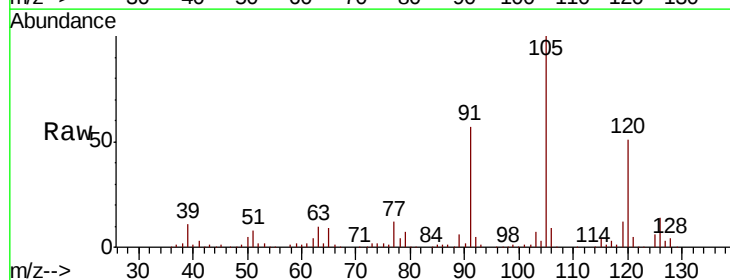


Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)

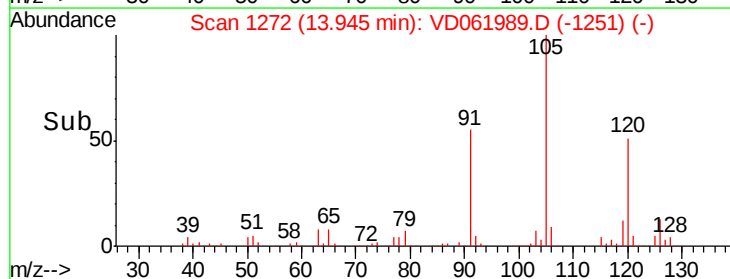
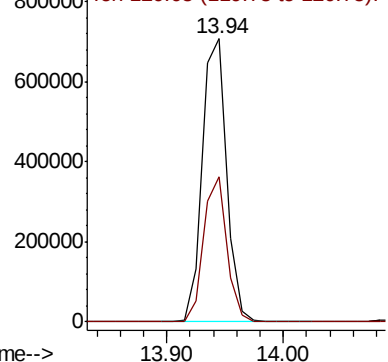


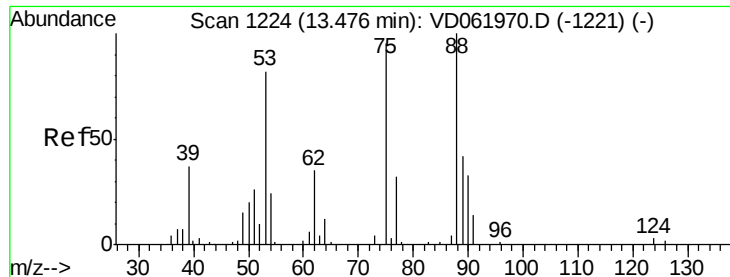
#80
 1,3,5-Trimethylbenzene
 Concen: 48.466 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion: 105 Resp: 1022286
 Ion Ratio Lower Upper
 105 100
 120 51.2 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)
 Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.169 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

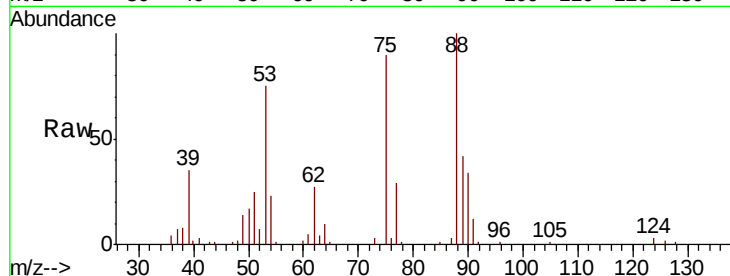
Tgt Ion: 75 Resp: 73507

Ion Ratio Lower Upper

75 100

53 83.6 65.8 98.8

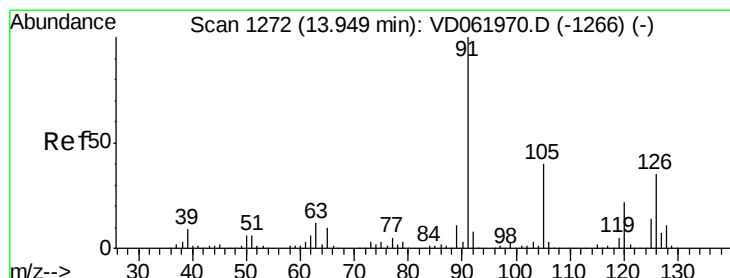
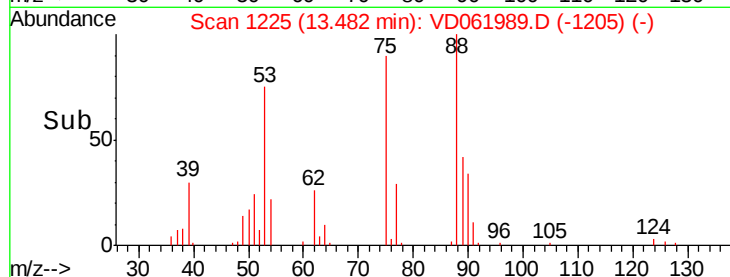
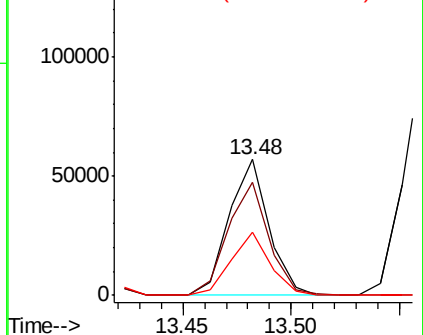
89 46.8 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 48.048 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD061989.D

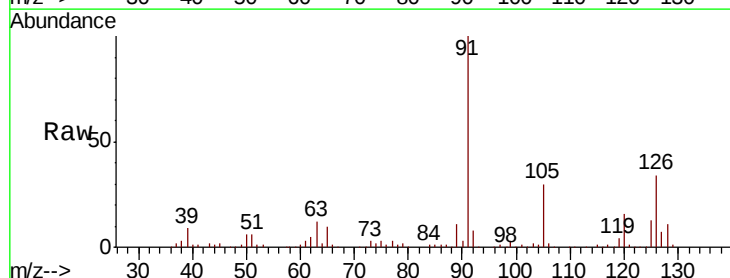
Acq: 24 Apr 2019 10:45

Tgt Ion: 91 Resp: 970590

Ion Ratio Lower Upper

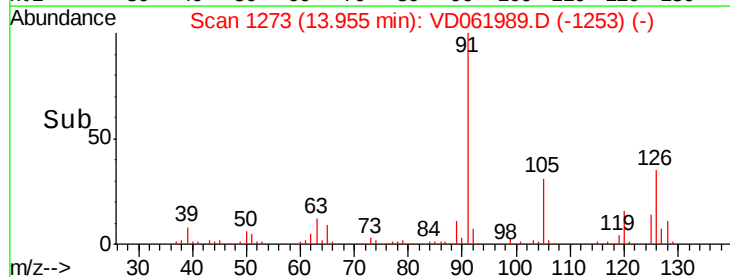
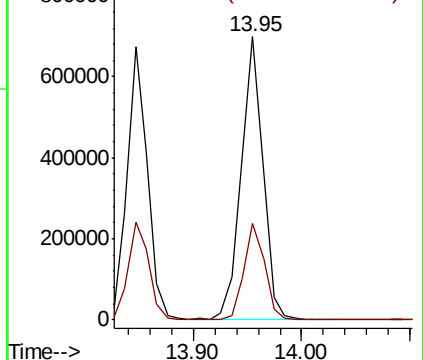
91 100

126 34.2 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

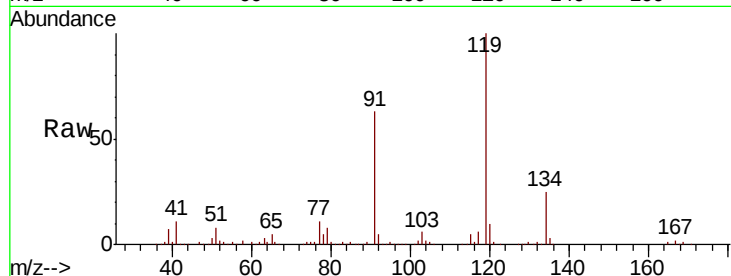




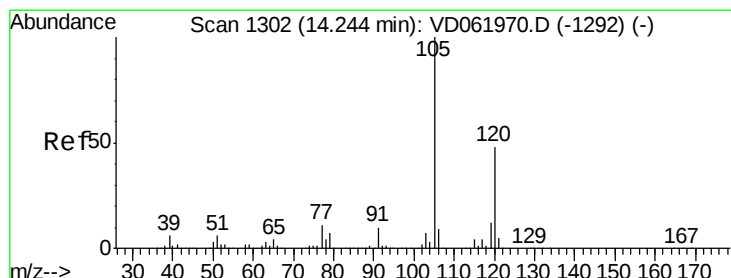
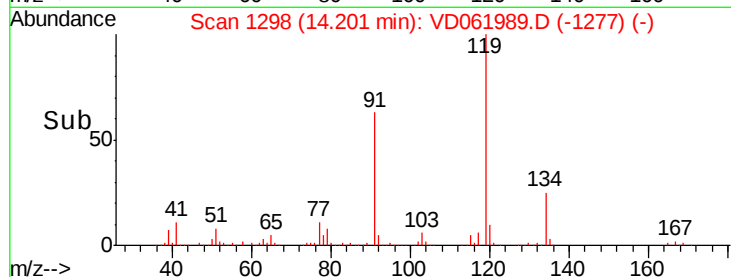
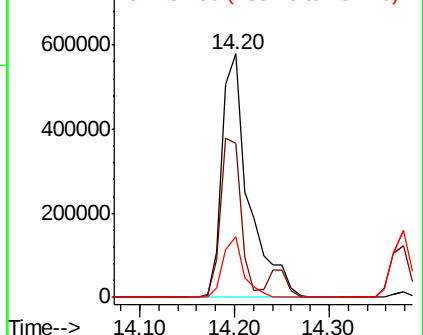
#83
tert-Butylbenzene
Concen: 46.420 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:119 Resp: 1134276
Ion Ratio Lower Upper
119 100
91 63.2 34.2 102.6
134 25.1 12.0 36.0

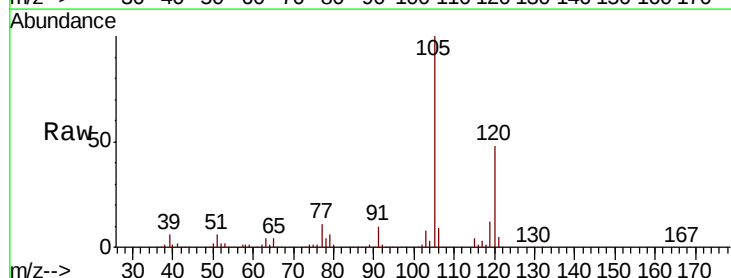


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

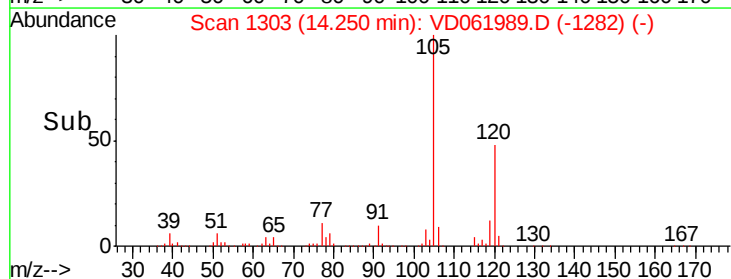
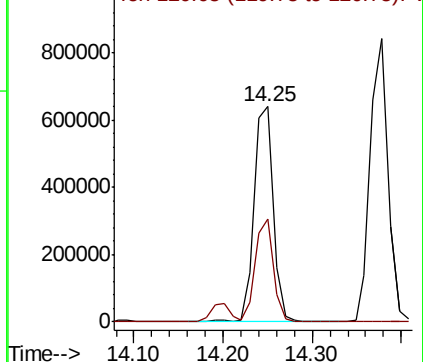


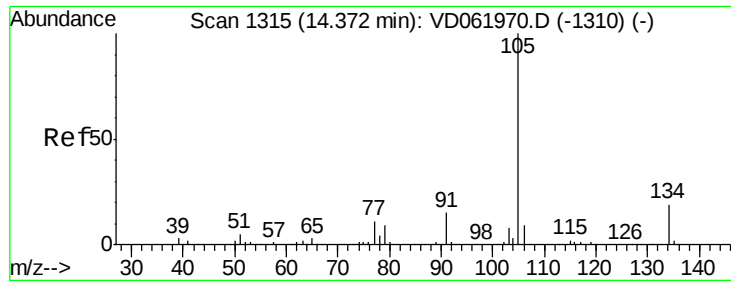
#84
1,2,4-Trimethylbenzene
Concen: 46.659 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion:105 Resp: 939732
Ion Ratio Lower Upper
105 100
120 47.6 23.1 69.2



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

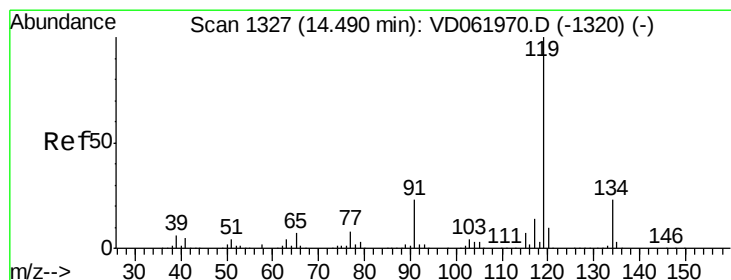
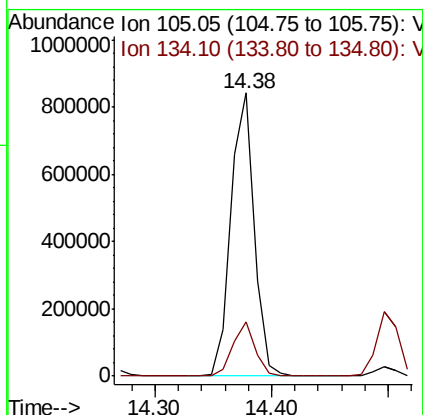
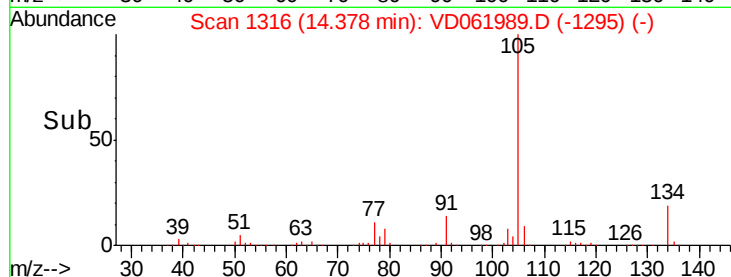
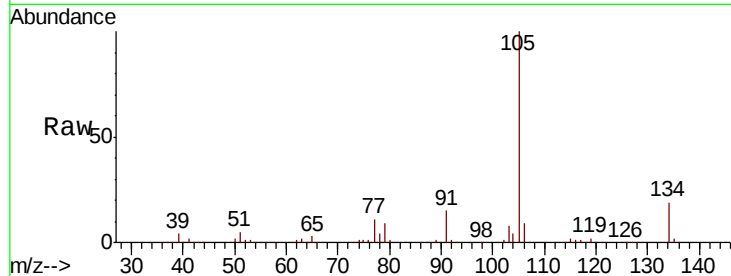




#85
 sec-Butylbenzene
 Concen: 44.119 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

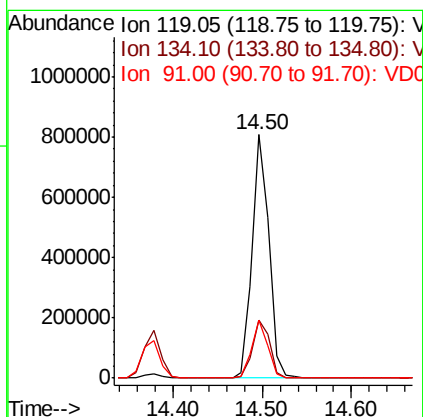
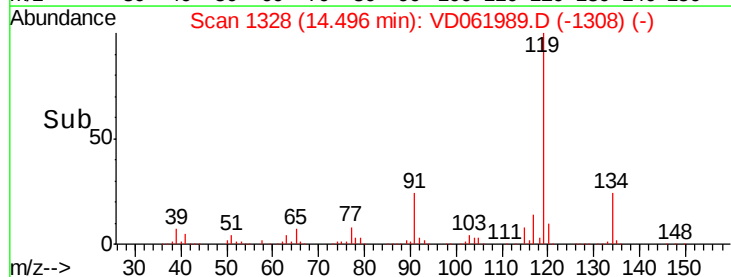
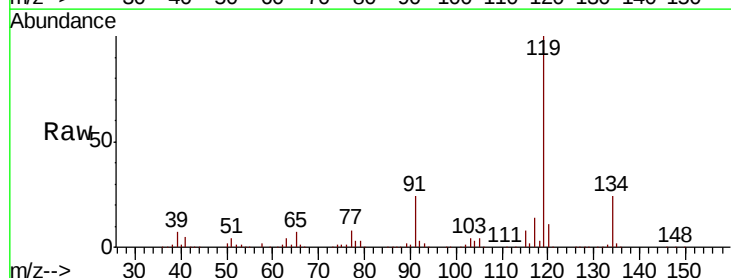
Instrument :
 MSVOA_D
 ClientSampleID :

Tgt Ion:105 Resp: 1164830
 Ion Ratio Lower Upper
 105 100
 134 19.1 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 44.008 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion:119 Resp: 1039871
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.8 38.3
 91 24.1 10.7 32.1

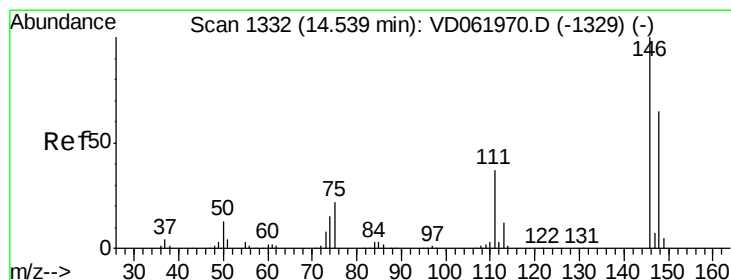
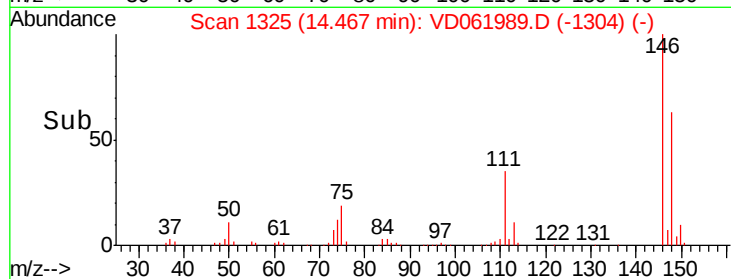
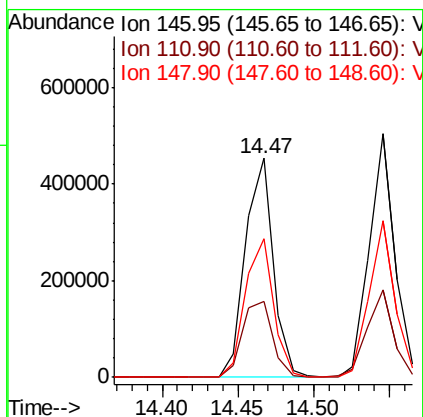
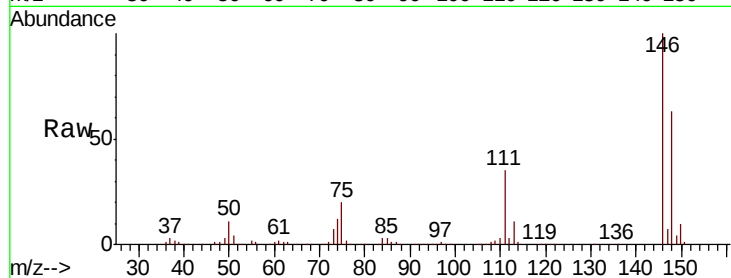




#87
 1,3-Dichlorobenzene
 Concen: 43.973 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

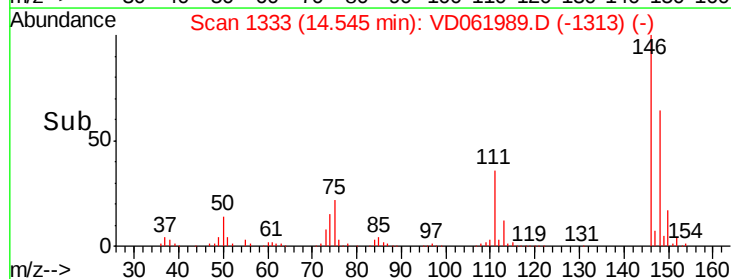
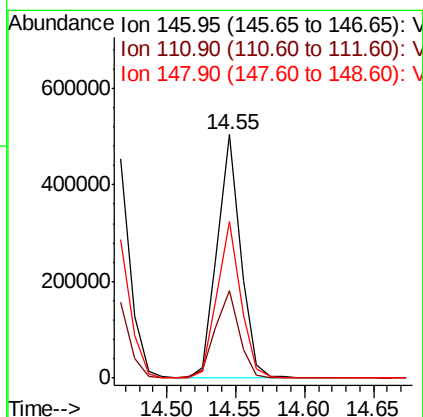
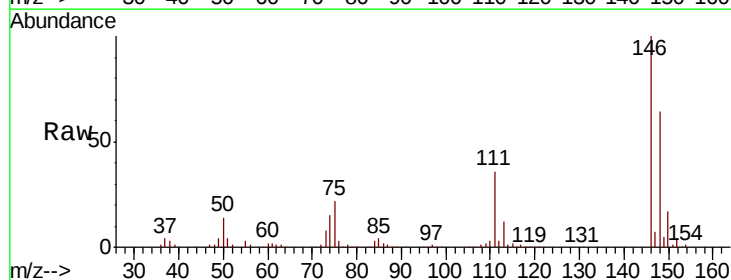
Instrument :
 MSVOA_D
 ClientSampleId :

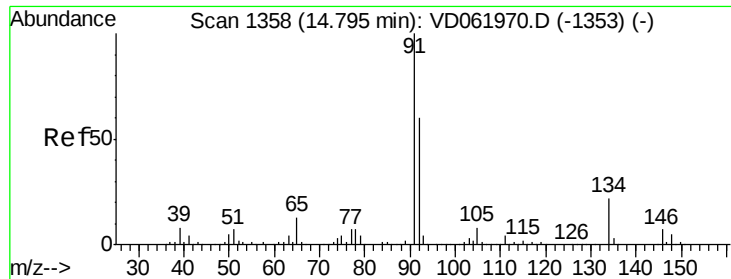
Tgt Ion:146 Resp: 584362
 Ion Ratio Lower Upper
 146 100
 111 34.6 20.0 60.0
 148 63.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 47.648 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion:146 Resp: 592164
 Ion Ratio Lower Upper
 146 100
 111 36.1 20.2 60.5
 148 64.3 32.0 96.2

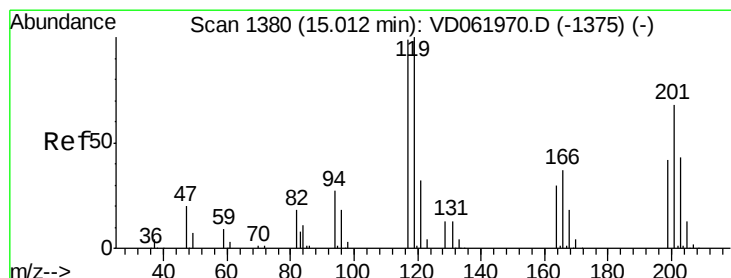
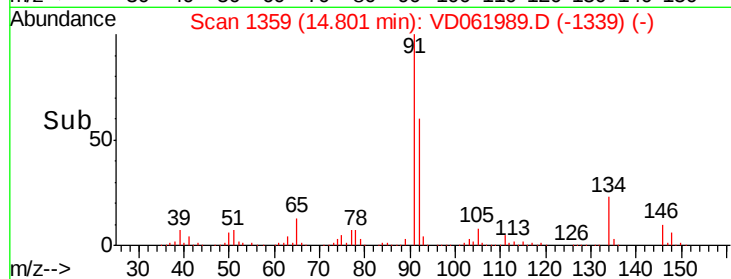
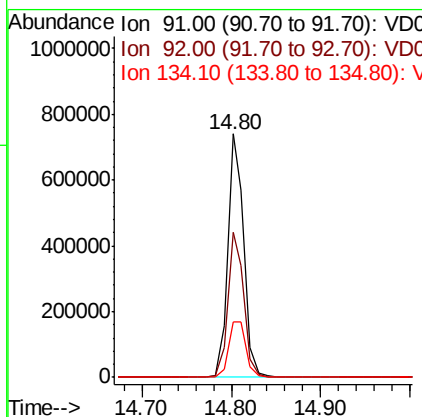
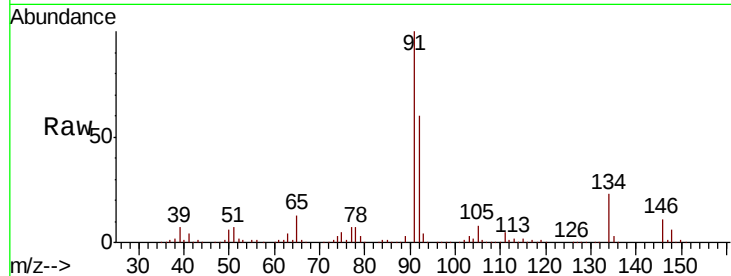




#89
n-Butylbenzene
Concen: 44.594 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

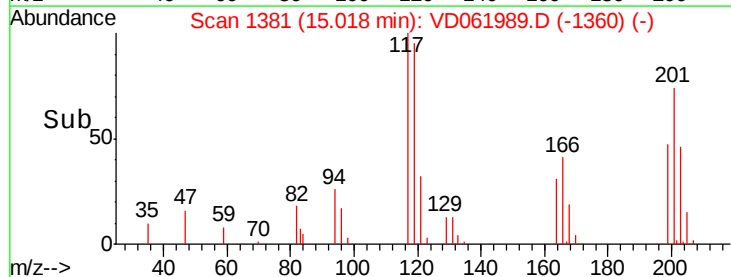
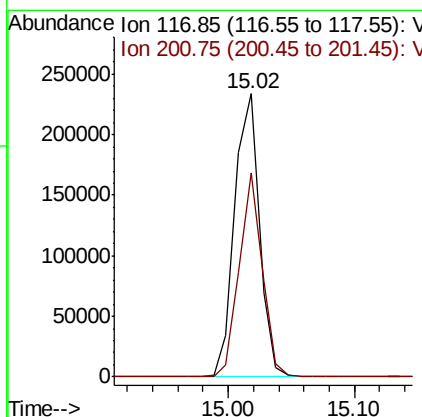
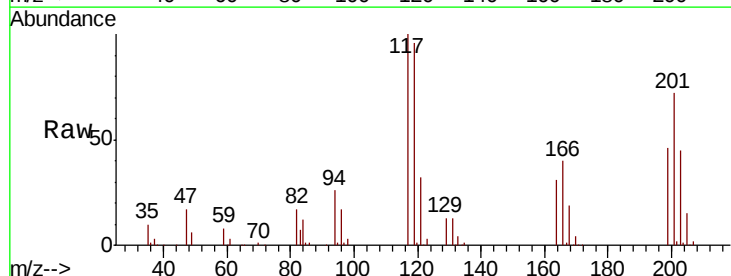
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 91 Resp: 946013
Ion Ratio Lower Upper
91 100
92 59.7 30.3 91.0
134 22.8 14.5 43.6



#90
Hexachloroethane
Concen: 49.405 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion: 117 Resp: 315669
Ion Ratio Lower Upper
117 100
201 72.3 30.2 90.6

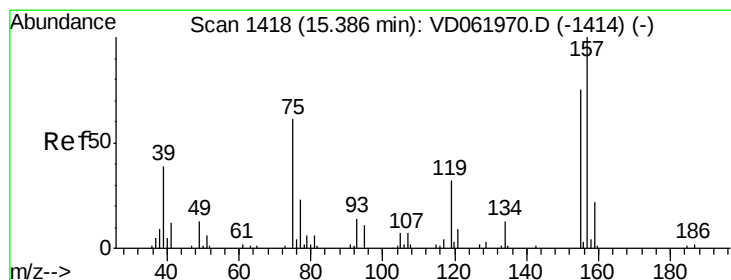
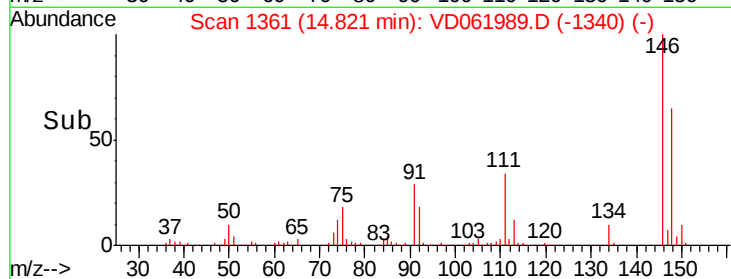
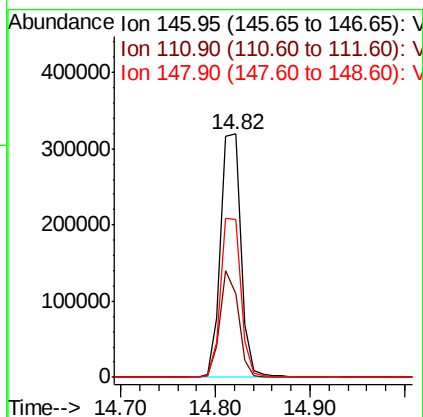
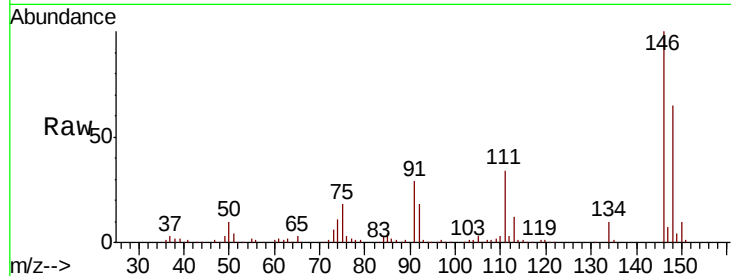




#91
 1,2-Dichlorobenzene
 Concen: 43.335 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

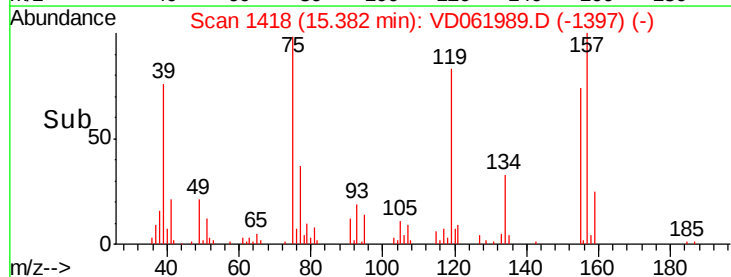
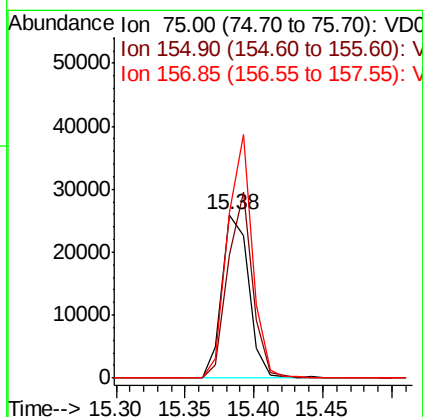
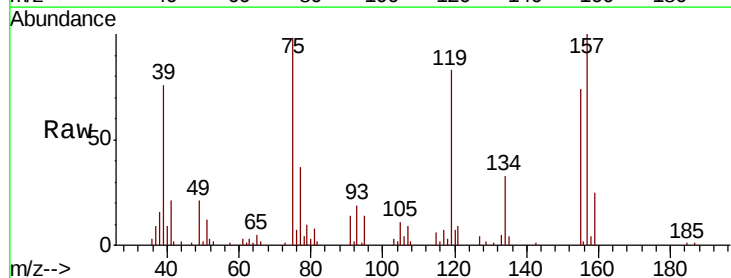
Instrument :
 MSVOA_D
 ClientSampleId :

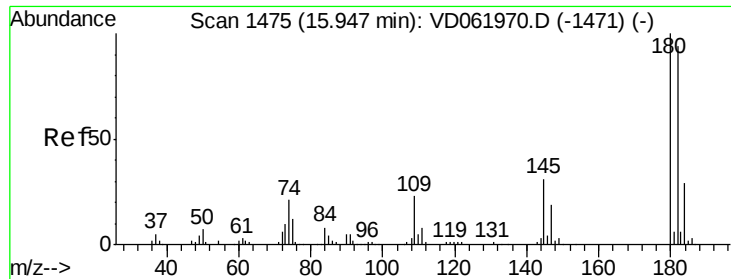
Tgt Ion:146 Resp: 475034
 Ion Ratio Lower Upper
 146 100
 111 34.2 20.0 59.9
 148 64.7 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.134 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion: 75 Resp: 35169
 Ion Ratio Lower Upper
 75 100
 155 75.3 55.3 165.8
 157 101.5 67.8 203.2

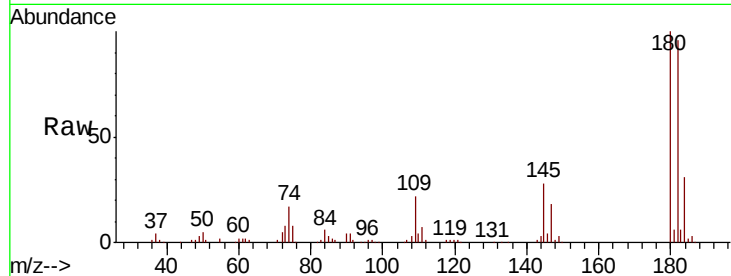




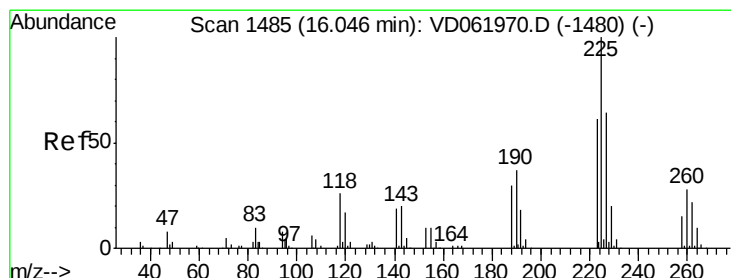
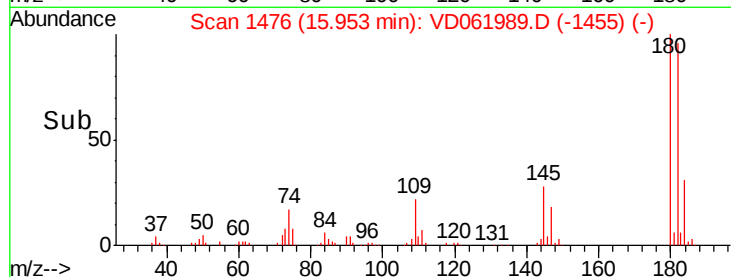
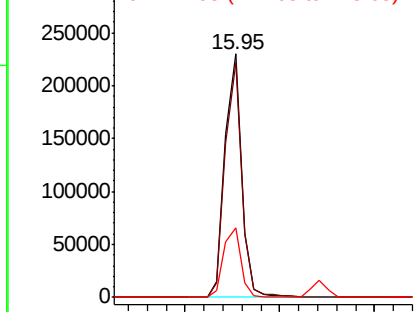
#93
 1,2,4-Trichlorobenzene
 Concen: 47.672 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:180 Resp: 281964
 Ion Ratio Lower Upper
 180 100
 182 96.4 49.3 147.8
 145 28.4 16.2 48.6

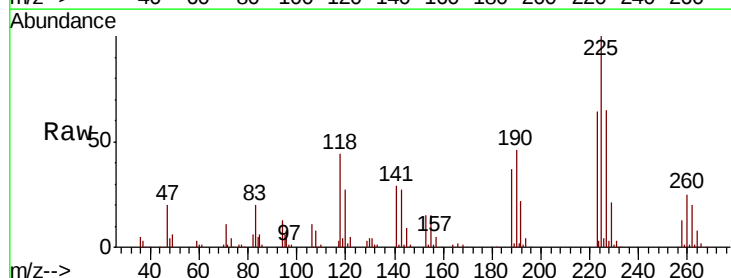


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

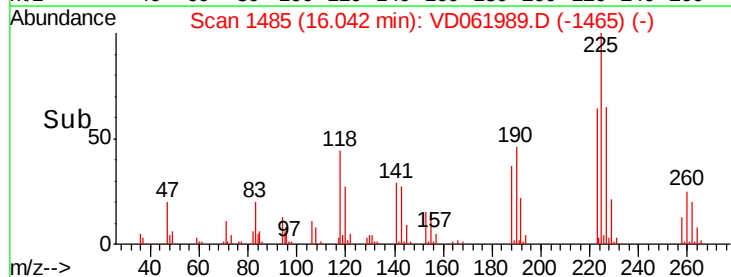
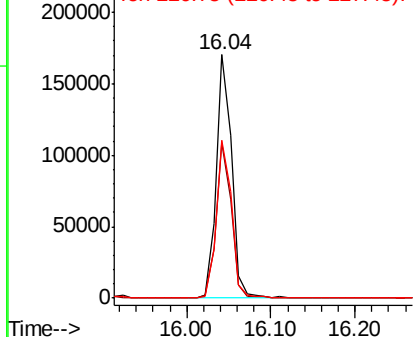


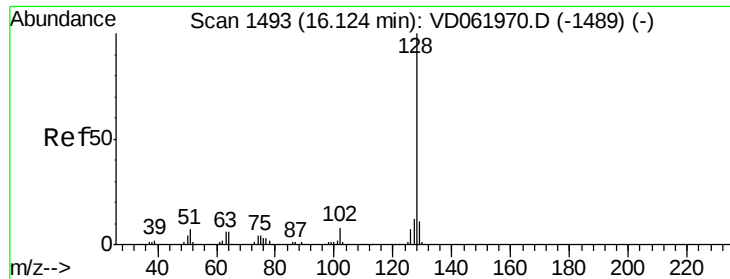
#94
 Hexachlorobutadiene
 Concen: 49.129 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion:225 Resp: 215039
 Ion Ratio Lower Upper
 225 100
 223 63.8 30.6 92.0
 227 64.9 32.0 96.2



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

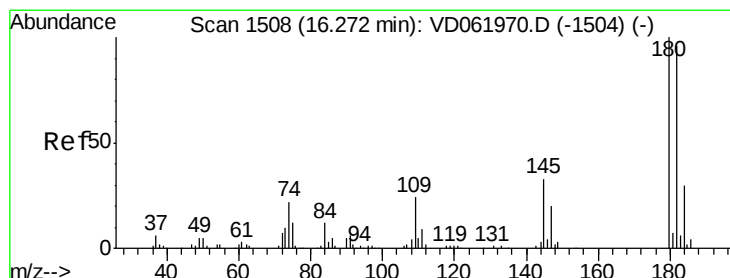
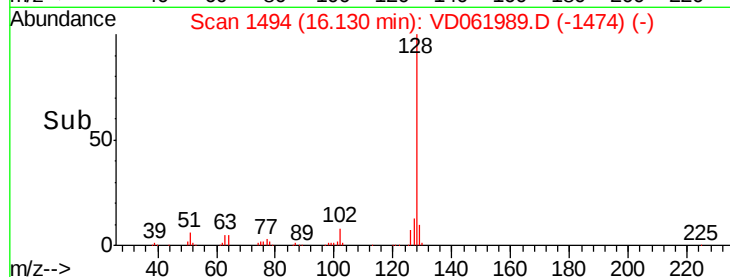
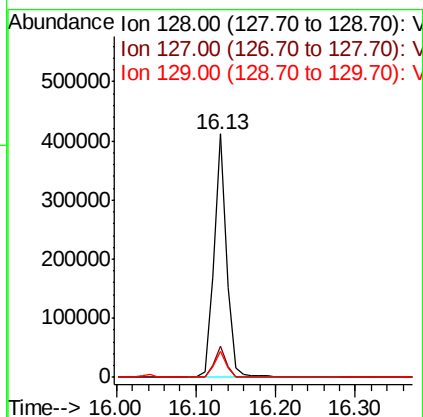
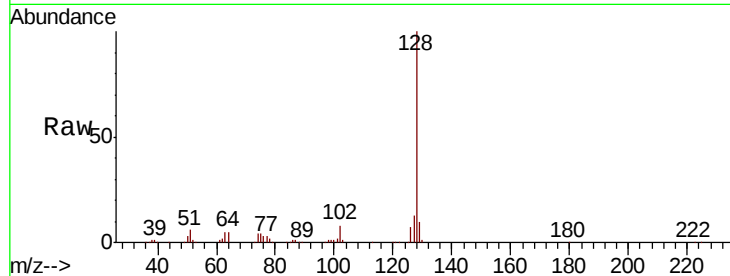




#95
Naphthalene
Concen: 48.021 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:128 Resp: 458594
Ion Ratio Lower Upper
128 100
127 12.6 9.8 14.8
129 10.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 49.820 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion:180 Resp: 167190
Ion Ratio Lower Upper
180 100
182 95.0 47.0 141.0
145 30.8 17.0 51.0

