

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041019\
 Data File : VD061730.D
 Acq On : 11 Apr 2019 9:34
 Operator : VA/AP
 Sample : VD0410SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 11 11:13:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	472671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	867810	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	735590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	318378	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	241585	67.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.86%	
35) Dibromofluoromethane	6.92	113	325814	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	
50) Toluene-d8	10.40	98	673704	44.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.20%	
62) 4-Bromofluorobenzene	13.55	95	300255	58.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	71179	13.958	ug/l	95
3) Chloromethane	1.76	50	82114	19.927	ug/l	93
4) Vinyl Chloride	1.86	62	63997	16.620	ug/l	99
5) Bromomethane	2.15	94	16790	18.839	ug/l	97
6) Chloroethane	2.26	64	21612	17.920	ug/l #	83
7) Trichlorofluoromethane	2.53	101	85593	14.722	ug/l	99
8) Diethyl Ether	2.87	74	36442	22.334	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.16	101	95994	16.794	ug/l	94
10) Methyl Iodide	3.32	142	125870	17.342	ug/l	99
11) Tert butyl alcohol	4.06	59	36454	151.818	ug/l #	88
12) 1,1-Dichloroethene	3.13	96	87931	17.845	ug/l	87
13) Acrolein	3.04	56	23058	78.763	ug/l	96
14) Allyl chloride	3.62	41	137871	20.514	ug/l	96
15) Acrylonitrile	4.20	53	109691	132.708	ug/l	96
16) Acetone	3.23	43	115767	108.090	ug/l	97
17) Carbon Disulfide	3.39	76	262505	16.395	ug/l	99
18) Methyl Acetate	3.64	43	64712	32.114	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	240146	28.146	ug/l	100
20) Methylene Chloride	3.82	84	158687	26.110	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	106673	19.932	ug/l	98
22) Diisopropyl ether	5.12	45	370523	26.295	ug/l	96
23) Vinyl Acetate	5.06	43	1033559	132.934	ug/l	100
24) 1,1-Dichloroethane	4.99	63	186899	21.645	ug/l	99
25) 2-Butanone	6.07	43	159437	129.129	ug/l	98
26) 2,2-Dichloropropane	6.02	77	130202	18.519	ug/l	95
27) cis-1,2-Dichloroethene	6.03	96	132960	23.288	ug/l	94
28) Bromochloromethane	6.44	49	83207	26.123	ug/l	99
29) Tetrahydrofuran	6.46	42	89060	149.420	ug/l	98
30) Chloroform	6.66	83	235387	26.022	ug/l	98
31) Cyclohexane	6.95	56	104276	15.458	ug/l	94
32) 1,1,1-Trichloroethane	6.87	97	160007	20.185	ug/l	97
36) 1,1-Dichloropropene	7.15	75	143041	18.834	ug/l	97
37) Ethyl Acetate	6.17	43	77877	25.174	ug/l	99
38) Carbon Tetrachloride	7.11	117	166453	18.700	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	116381	14.926	ug/l	96
40) Benzene	7.45	78	358533	19.568	ug/l	99
41) Methacrylonitrile	6.45	41	100520	27.835	ug/l #	95
42) 1,2-Dichloroethane	7.58	62	156596	27.176	ug/l	99
43) Isopropyl Acetate	9.23	43	112798	25.124	ug/l #	98
44) Trichloroethene	8.53	130	127243	18.115	ug/l	97
45) 1,2-Dichloropropane	8.94	63	106022	23.333	ug/l	100
46) Dibromomethane	9.06	93	82229	25.321	ug/l	92
47) Bromodichloromethane	9.37	83	181300	25.419	ug/l	98
48) Methyl methacrylate	9.11	41	68749	26.565	ug/l	96
49) 1,4-Dioxane	9.09	88	14354	502.490	ug/l	88
51) 4-Methyl-2-Pentanone	10.30	43	386273	145.482	ug/l	99
52) Toluene	10.50	92	240624	21.031	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	161500	25.831	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	172106	22.330	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	94708	24.543	ug/l	97
56) Ethyl methacrylate	11.03	69	112091	27.535	ug/l	98
57) 1,3-Dichloropropane	11.40	76	135410	23.962	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	264348	137.624	ug/l	98
59) 2-Hexanone	11.53	43	262468	127.375	ug/l	99
60) Dibromochloromethane	11.68	129	159550	26.170	ug/l	96
61) 1,2-Dibromoethane	11.80	107	124188	27.519	ug/l	98
64) Tetrachloroethene	11.25	164	111551	19.536	ug/l	97
65) Chlorobenzene	12.39	112	323804	22.197	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	137954	24.576	ug/l	100
67) Ethyl Benzene	12.52	91	468276	21.080	ug/l	98
68) m/p-Xylenes	12.66	106	358341	41.843	ug/l	95
69) o-Xylene	13.04	106	157801	19.088	ug/l	97
70) Styrene	13.07	104	294159	20.836	ug/l	99
71) Bromoform	13.23	173	88081	25.290	ug/l	99
73) Isopropylbenzene	13.40	105	424110	19.992	ug/l	99
74) N-amyl acetate	13.26	43	145358	25.219	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	120414	27.452	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	118651	27.392	ug/l	97
77) Bromobenzene	13.66	156	146768	23.835	ug/l	96
78) n-propylbenzene	13.77	91	531103	20.929	ug/l	99
79) 2-Chlorotoluene	13.84	91	339292	23.381	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	366833	21.786	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	32109	24.428	ug/l #	83
82) 4-Chlorotoluene	13.95	91	354136	22.271	ug/l	99
83) tert-Butylbenzene	14.18	119	383440	18.887	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	391830	23.058	ug/l	98
85) sec-Butylbenzene	14.36	105	424573	19.357	ug/l	99
86) p-Isopropyltoluene	14.49	119	391933	20.598	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	240770	22.720	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	227795	21.304	ug/l	96
89) n-Butylbenzene	14.80	91	348013	21.042	ug/l	98
90) Hexachloroethane	15.00	117	107733	20.866	ug/l	96
91) 1,2-Dichlorobenzene	14.80	146	212298	24.307	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	15147	28.616	ug/l	92

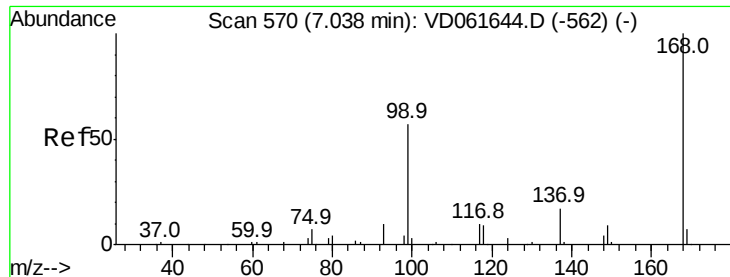
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	107368	24.129	ug/l	95
94) Hexachlorobutadiene	16.04	225	58358	16.985	ug/l	99
95) Naphthalene	16.12	128	193622	27.500	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	49162	22.137	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

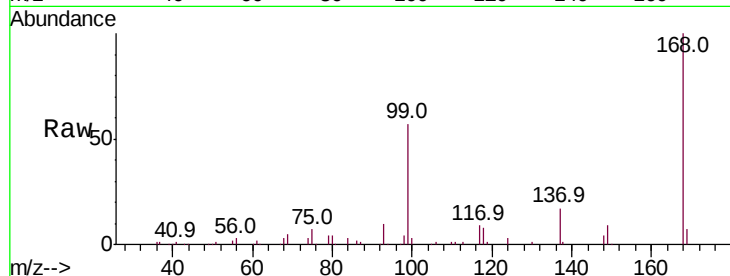
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 472671

Ion Ratio Lower Upper

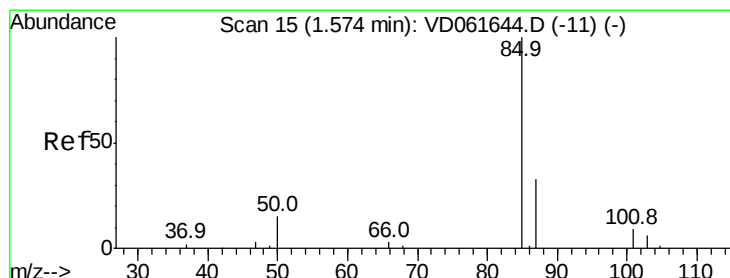
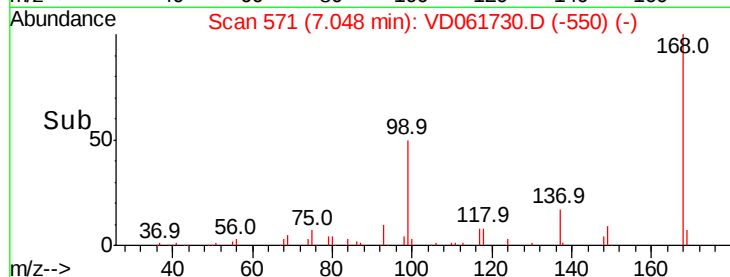
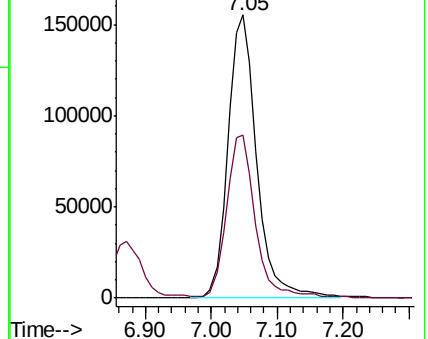
168 100

99 57.4 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 13.958 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061730.D

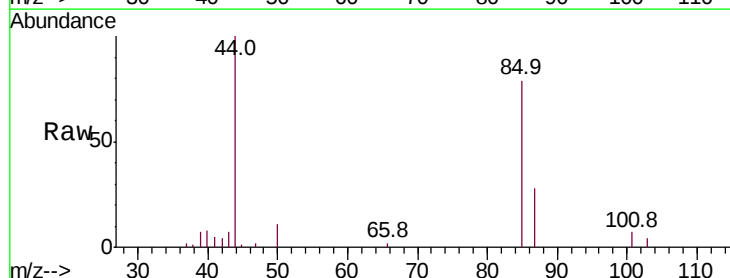
Acq: 11 Apr 2019 9:34

Tgt Ion: 85 Resp: 71179

Ion Ratio Lower Upper

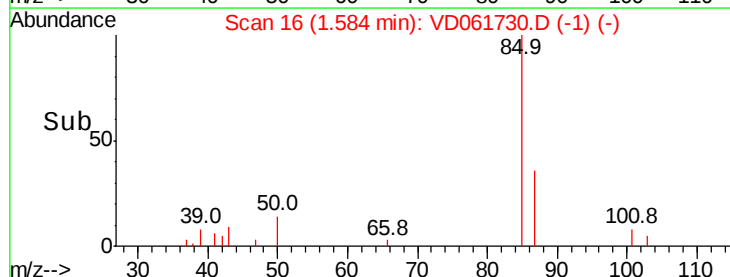
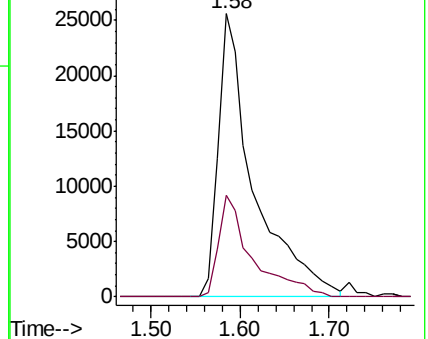
85 100

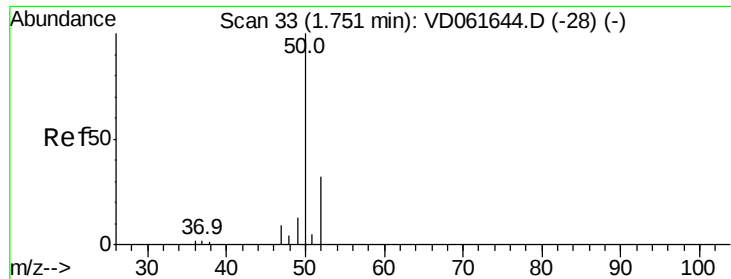
87 36.0 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.927 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Instrument :

MSVOA_D

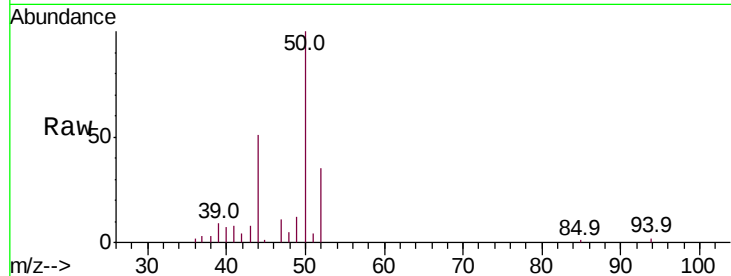
ClientSampleId :

Tot Ion: 50 Resp: 82114

Ion Ratio Lower Upper

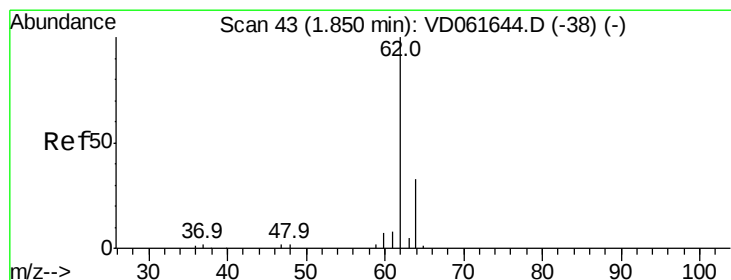
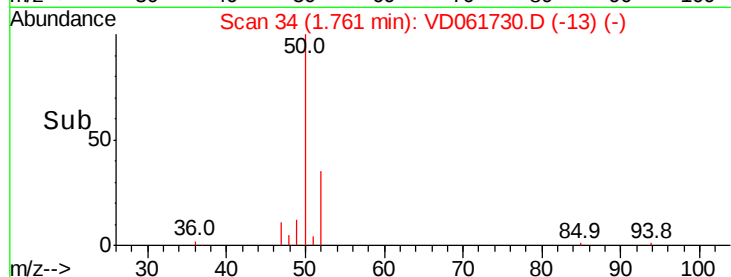
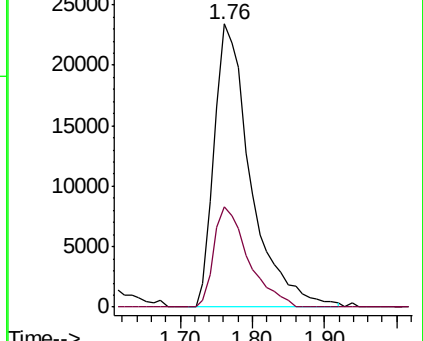
50 100

52 35.4 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 16.620 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061730.D

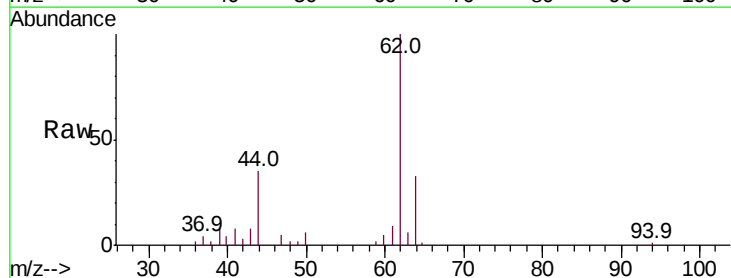
Acq: 11 Apr 2019 9:34

Tgt Ion: 62 Resp: 63997

Ion Ratio Lower Upper

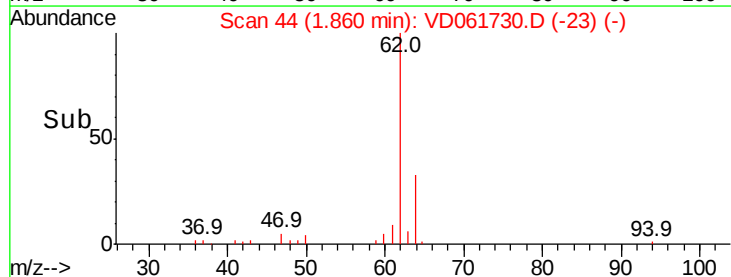
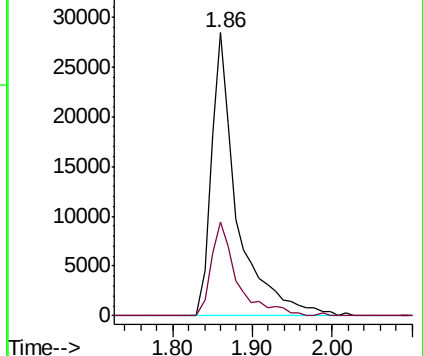
62 100

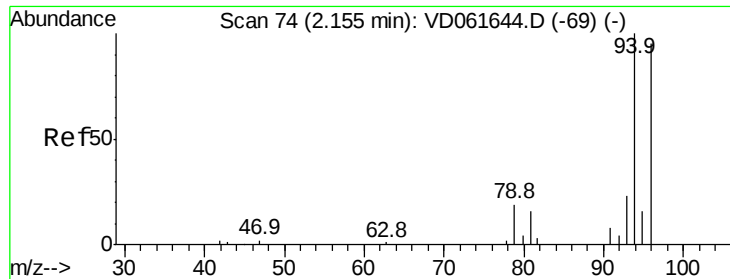
64 33.2 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.839 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Instrument :

MSVOA_D

ClientSampleId :

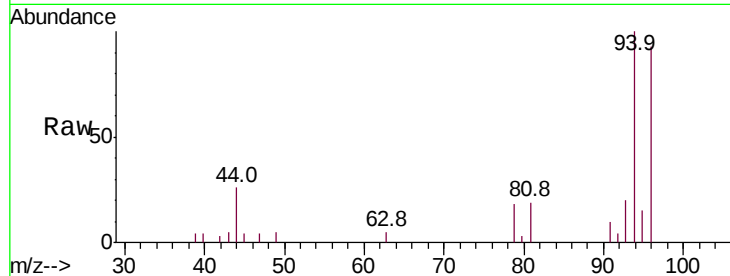
Tot Ion: 94 Resp: 16790

Ion Ratio Lower Upper

94 100

96 92.9 75.8 113.8

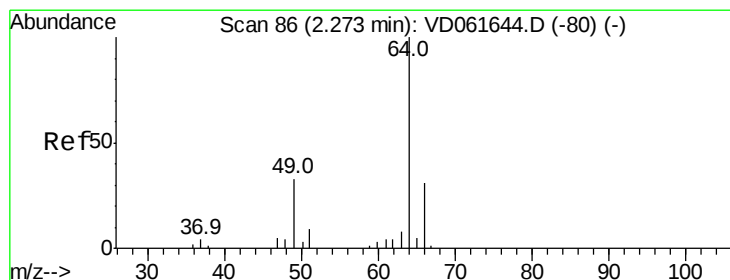
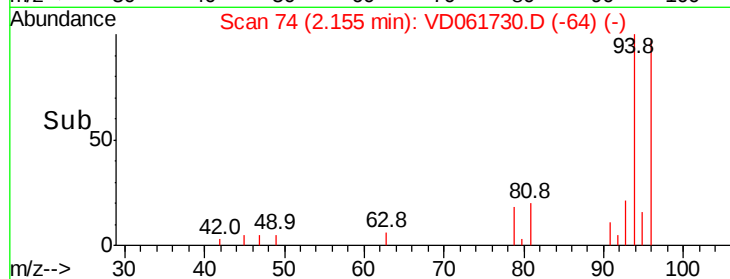
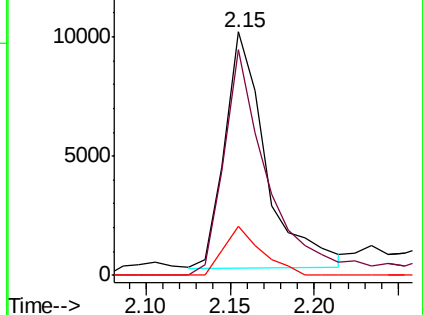
93 20.4 18.6 28.0



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: 17.920 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061730.D

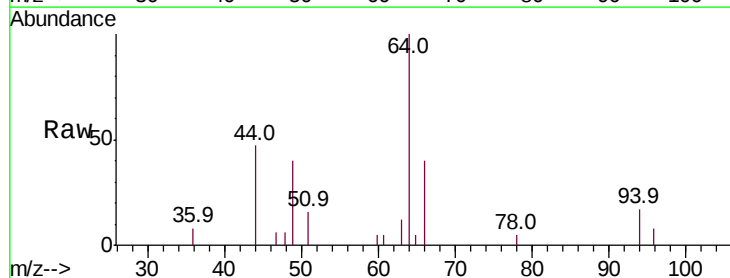
Acq: 11 Apr 2019 9:34

Tgt Ion: 64 Resp: 21612

Ion Ratio Lower Upper

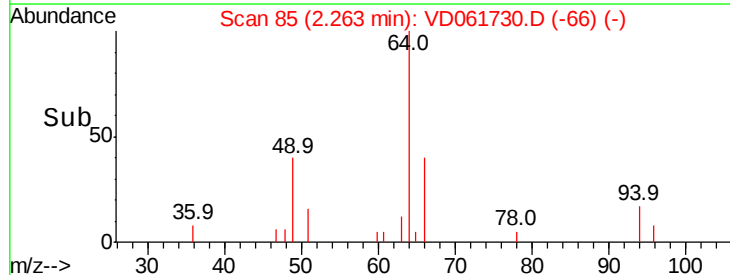
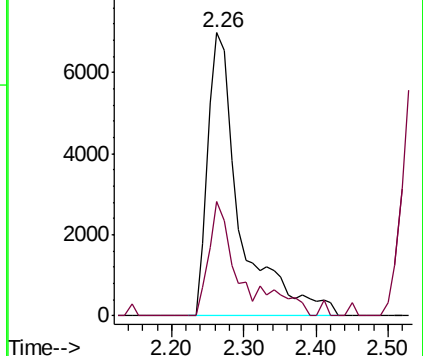
64 100

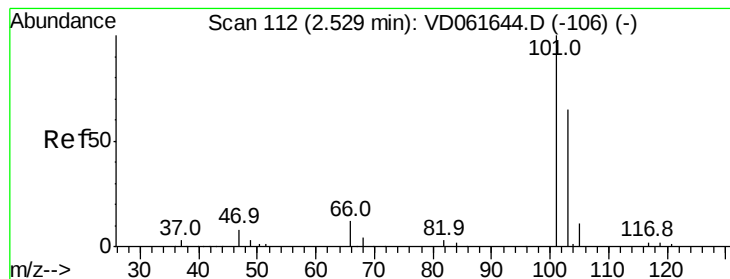
66 40.3 24.9 37.3#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



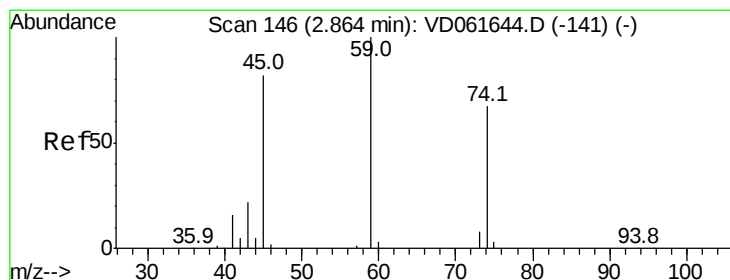
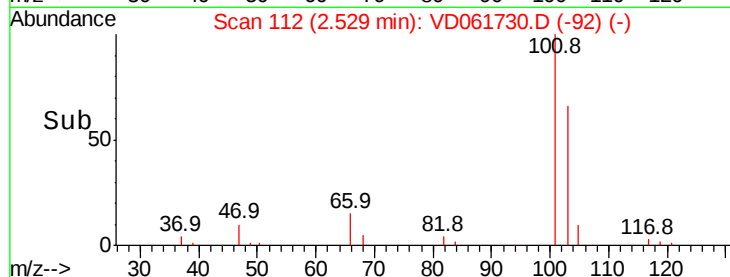
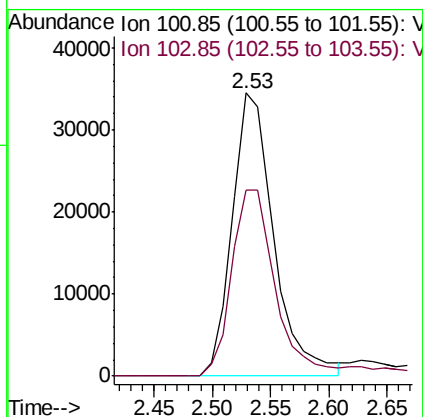
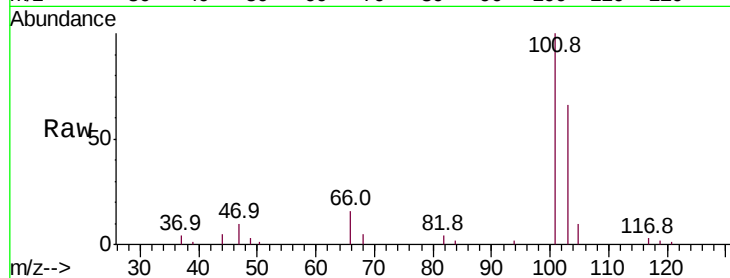


#7

Trichlorofluoromethane
 Concen: 14.722 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

Instrument :
 MSVOA_D
 ClientSampleId :

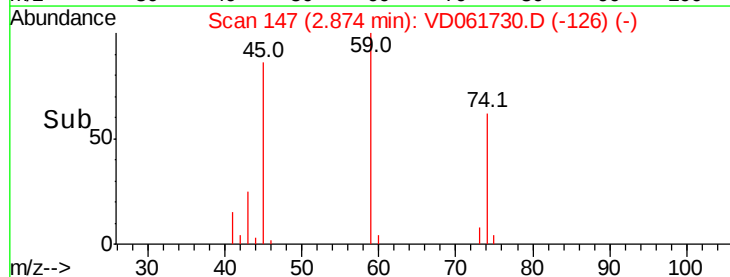
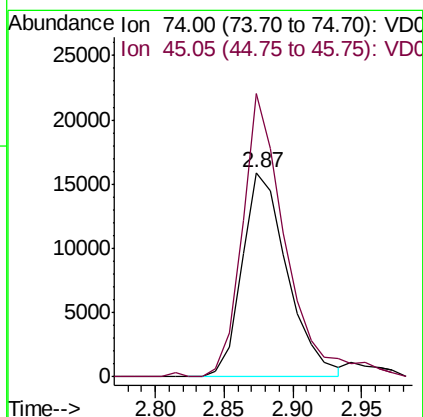
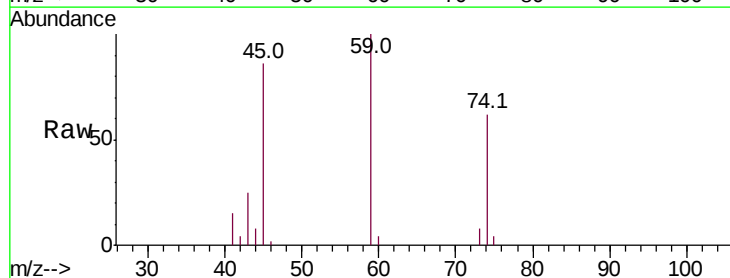
Tot Ion:101 Resp: 85593
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.0 78.0

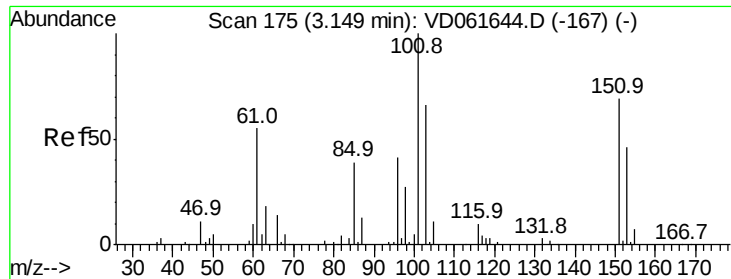


#8

Diethyl Ether
 Concen: 22.334 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

Tgt Ion: 74 Resp: 36442
 Ion Ratio Lower Upper
 74 100
 45 138.3 61.0 183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.794 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Instrument :

MSVOA_D

ClientSampleId :

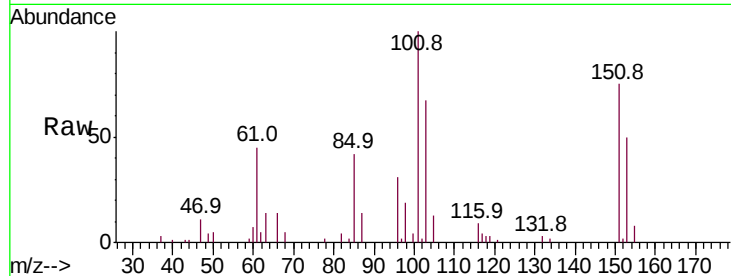
Tot Ion:101 Resp: 95994

Ion Ratio Lower Upper

101 100

85 41.5 31.0 46.6

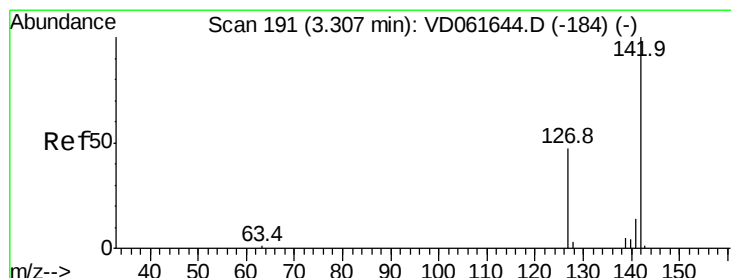
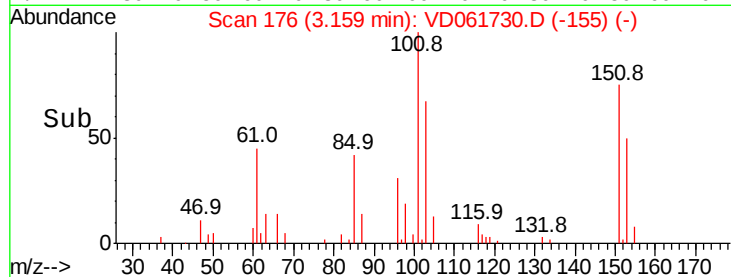
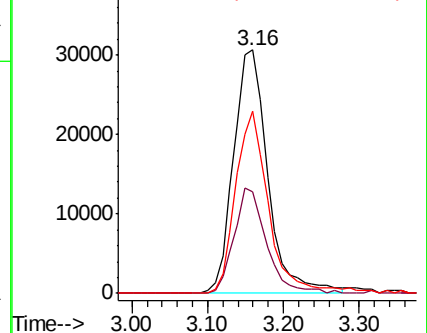
151 75.0 55.3 82.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.342 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

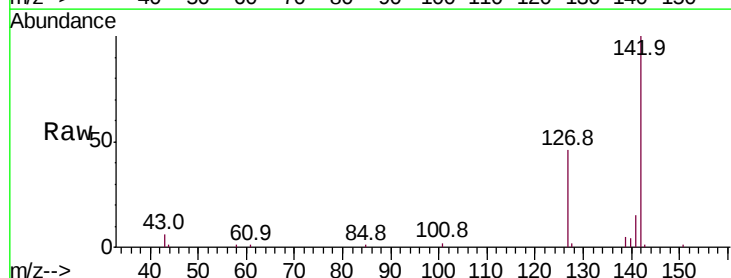
Tgt Ion:142 Resp: 125870

Ion Ratio Lower Upper

142 100

127 45.9 37.2 55.8

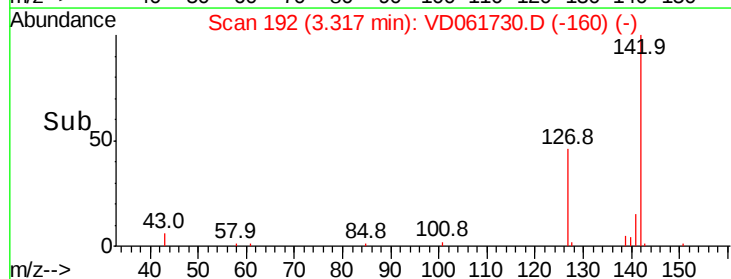
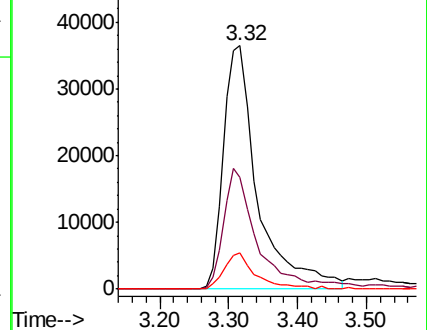
141 14.9 10.8 16.2

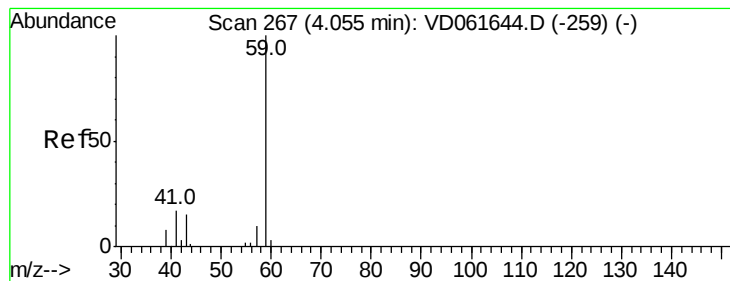


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



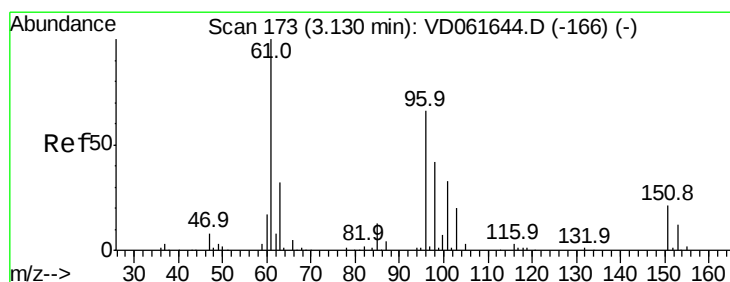
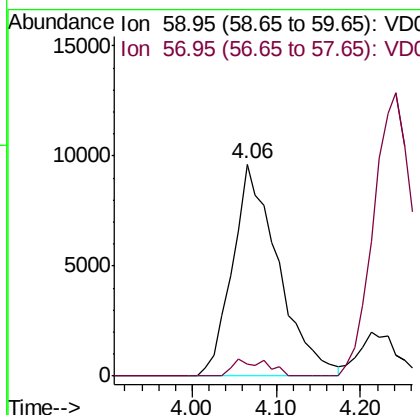
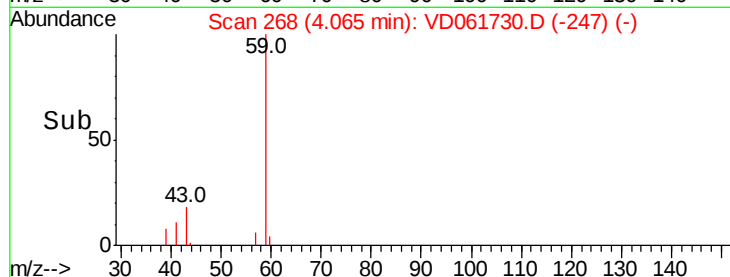
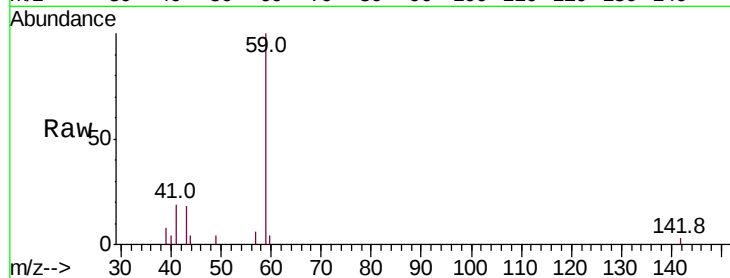


#11

Tert butyl alcohol
Concen: 151.818 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.01 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Instrument :
MSVOA_D
ClientSampled :

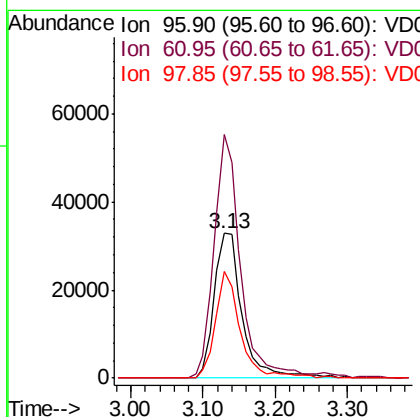
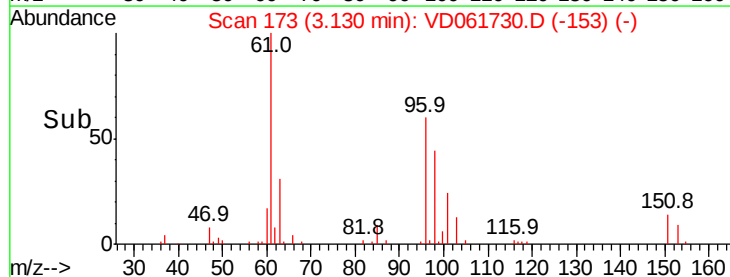
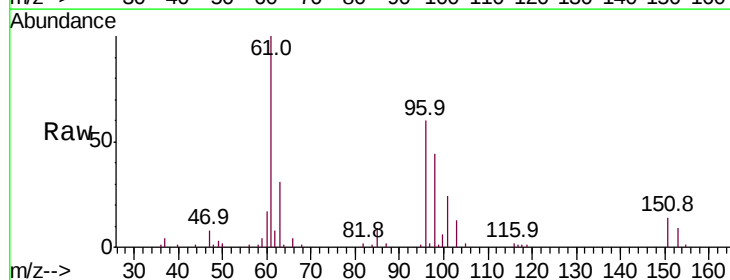
Tot Ion: 59 Resp: 36454
Ion Ratio Lower Upper
59 100
57 6.0 8.4 12.6#

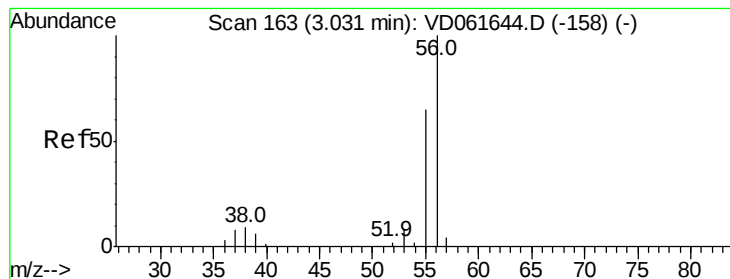


#12

1,1-Dichloroethene
Concen: 17.845 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Tgt Ion: 96 Resp: 87931
Ion Ratio Lower Upper
96 100
61 167.9 121.3 181.9
98 73.4 50.6 76.0





#13

Acrolein

Concen: 78.763 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

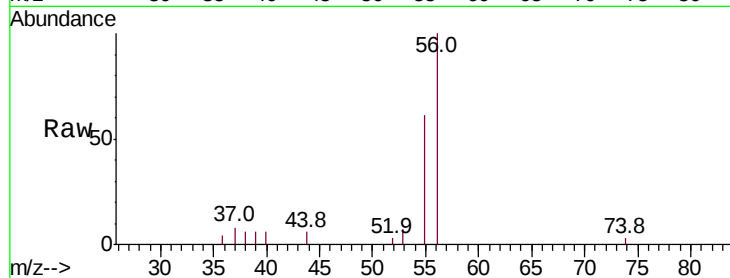
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 23058

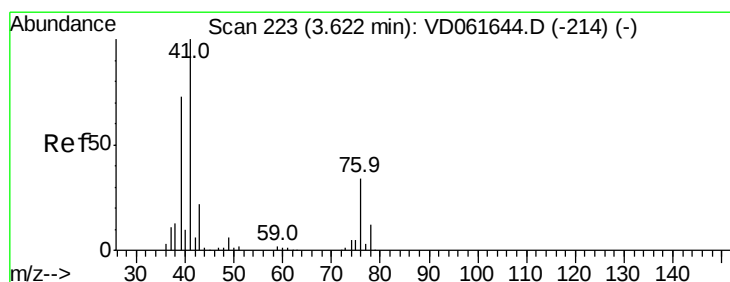
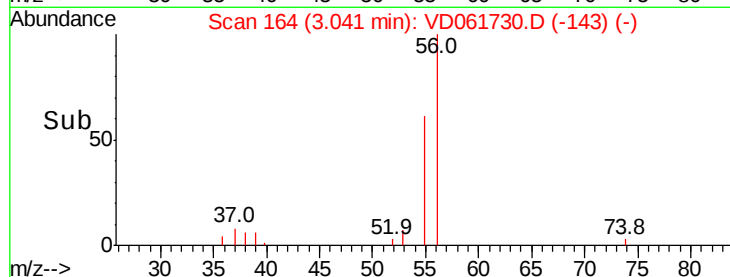
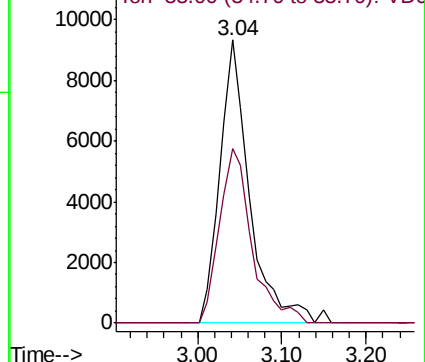
Ion Ratio Lower Upper

56 100

55 61.5 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.514 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

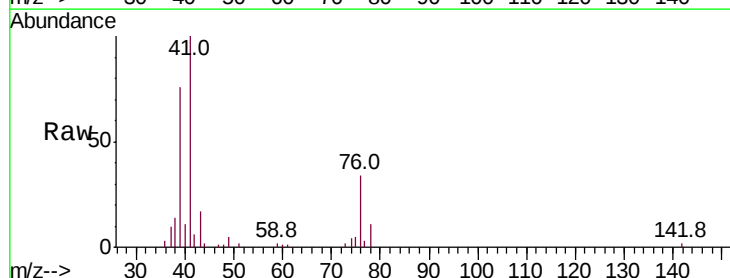
Tgt Ion: 41 Resp: 137871

Ion Ratio Lower Upper

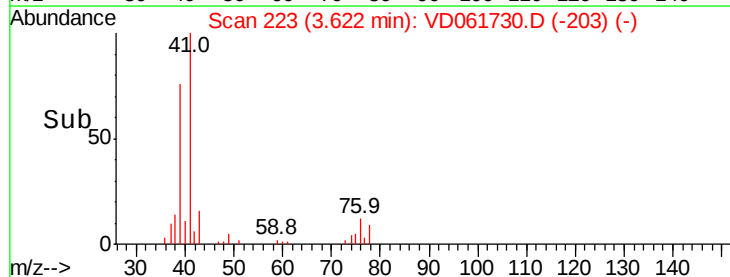
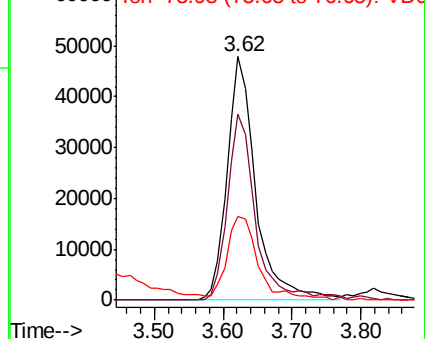
41 100

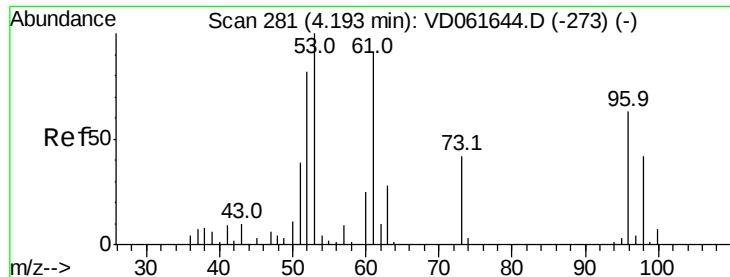
39 76.4 58.2 87.4

76 34.5 29.8 44.6



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 132.708 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Instrument :
MSVOA_D
ClientSampled :

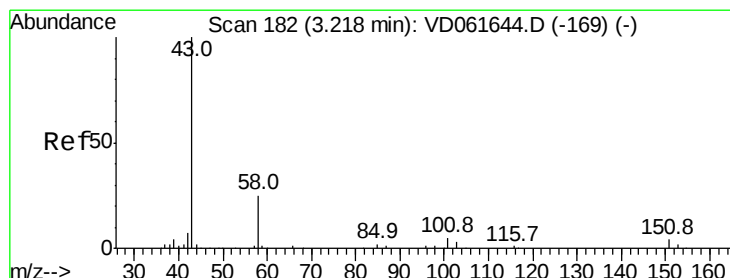
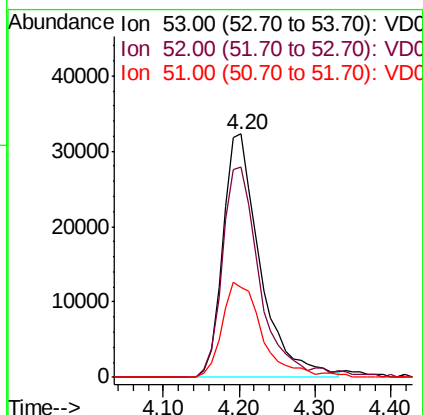
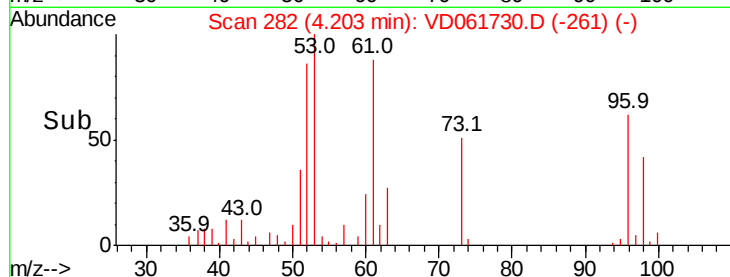
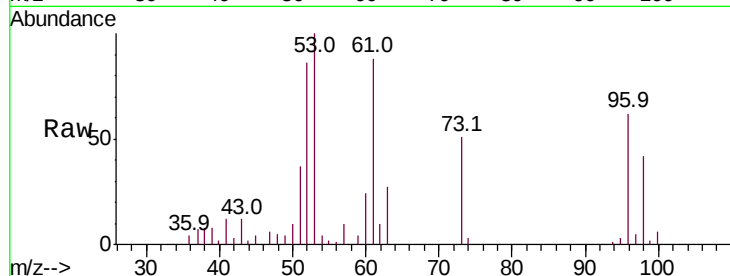
Tot Ion: 53 Resp: 109691

Ion Ratio Lower Upper

53 100

52 86.4 65.9 98.9

51 36.9 31.4 47.2



#16

Acetone

Concen: 108.090 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD061730.D

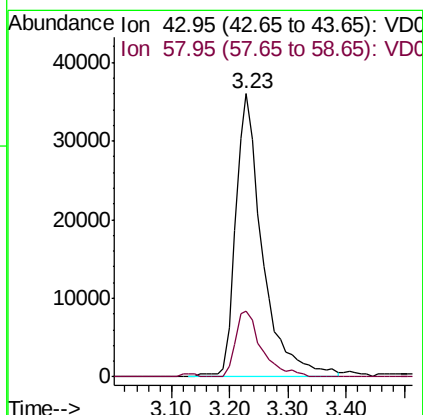
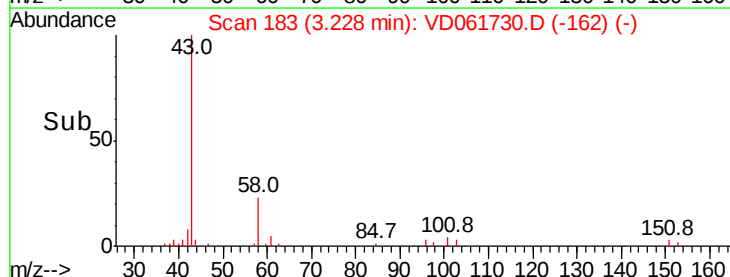
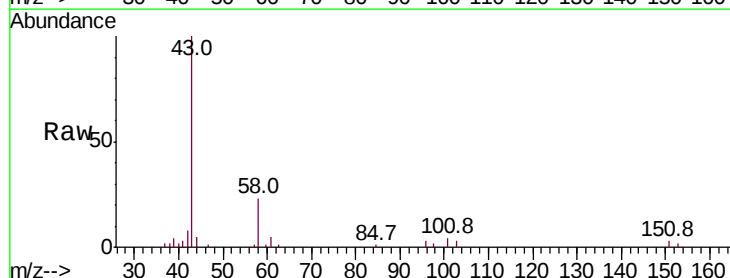
Acq: 11 Apr 2019 9:34

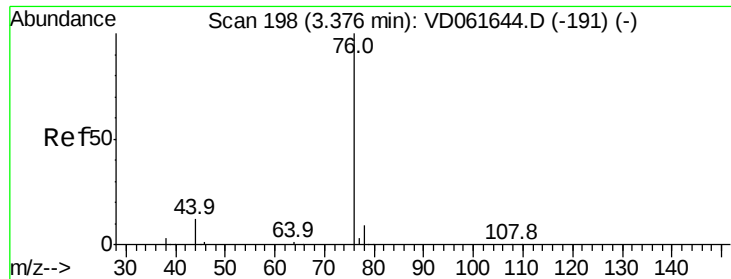
Tgt Ion: 43 Resp: 115767

Ion Ratio Lower Upper

43 100

58 23.1 19.7 29.5

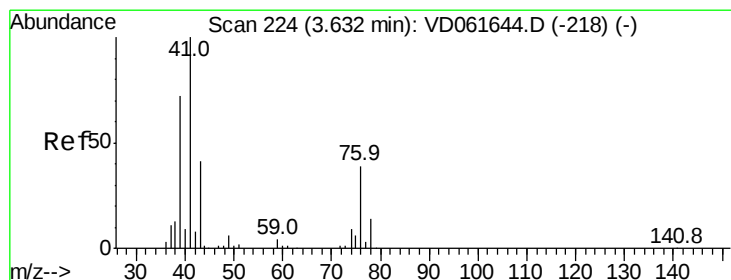
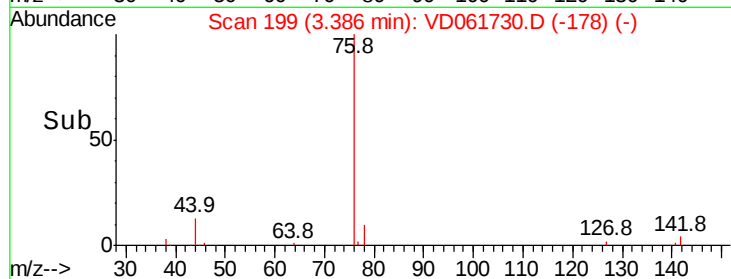
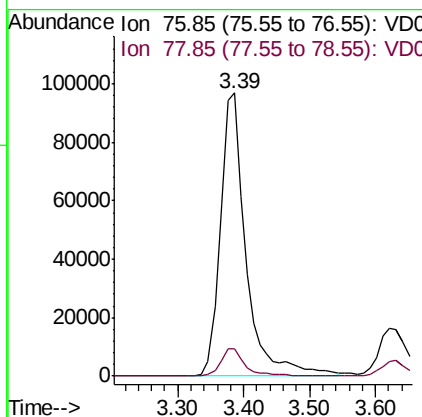
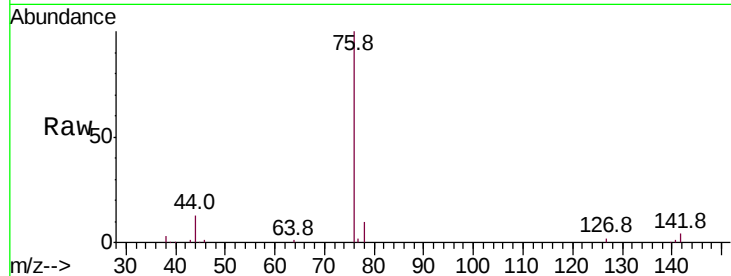




#17
Carbon Disulfide
Concen: 16.395 ug/l
RT: 3.39 min Scan# 199
Delta R.T. 0.01 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

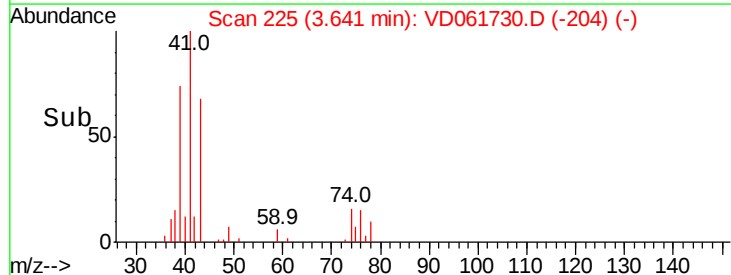
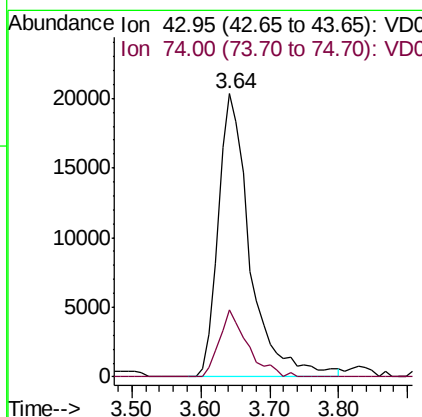
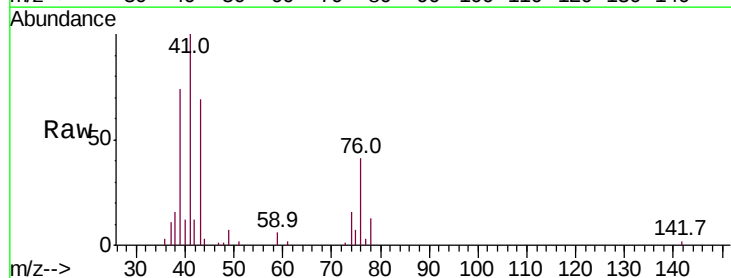
Instrument :
MSVOA_D
ClientSampleId :

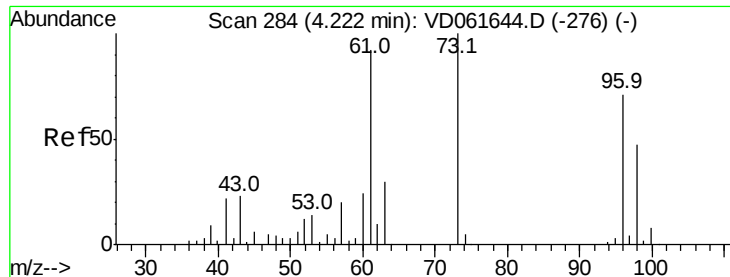
Tot Ion: 76 Resp: 262505
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.2



#18
Methyl Acetate
Concen: 32.114 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Tgt Ion: 43 Resp: 64712
Ion Ratio Lower Upper
43 100
74 23.8 18.2 27.2

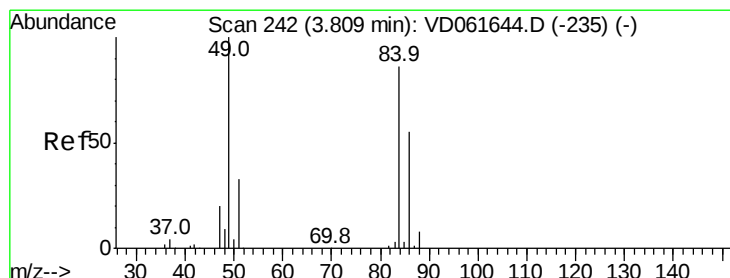
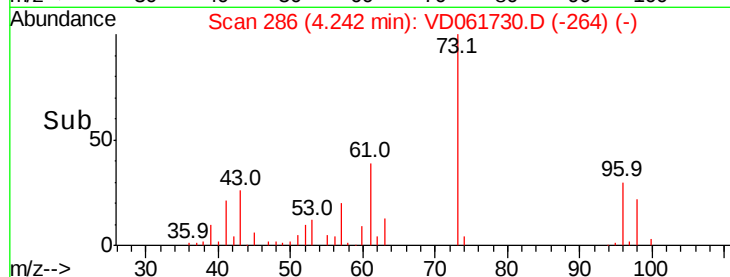
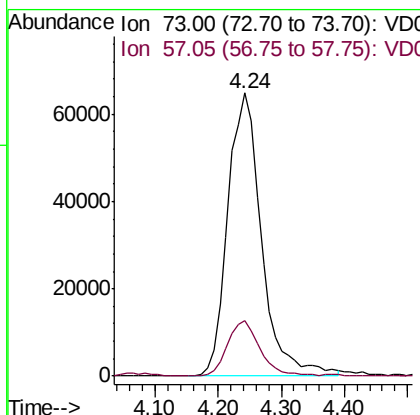
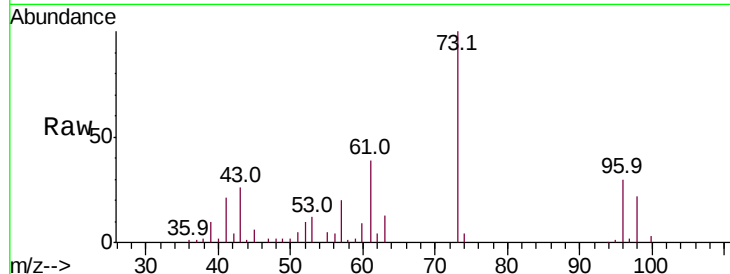




#19
Methvl tert-butvl Ether
Concen: 28.146 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.02 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

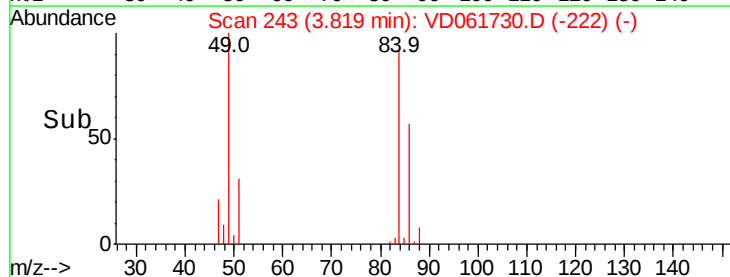
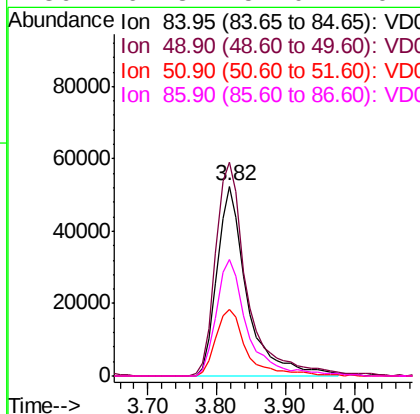
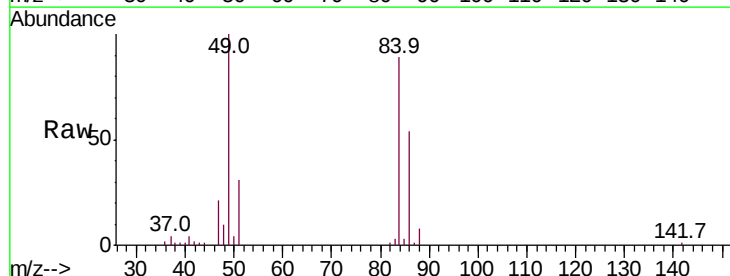
Instrument :
MSVOA_D
ClientSampleId :

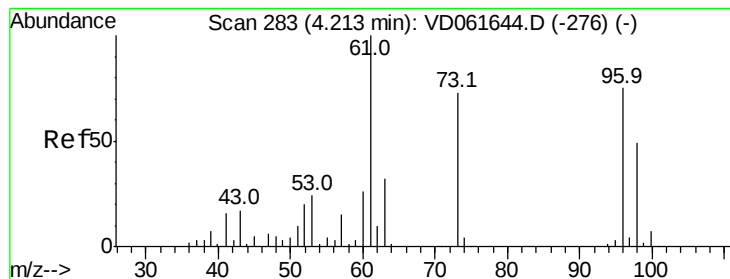
Tot Ion: 73 Resp: 240146
Ion Ratio Lower Upper
73 100
57 19.8 16.0 24.0



#20
Methylene Chloride
Concen: 26.110 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Tgt Ion: 84 Resp: 158687
Ion Ratio Lower Upper
84 100
49 112.5 93.0 139.4
51 34.8 30.4 45.6
86 61.3 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 19.932 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Instrument :
MSVOA_D
ClientSampleId :

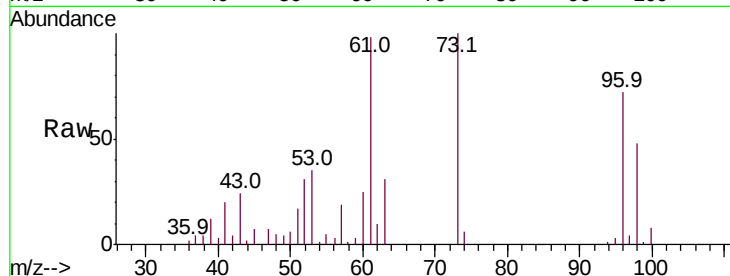
Tot Ion: 96 Resp: 106673

Ion Ratio Lower Upper

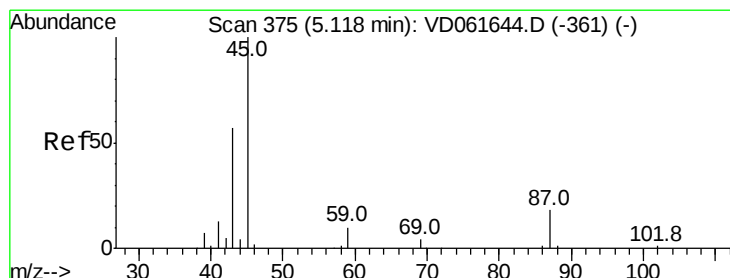
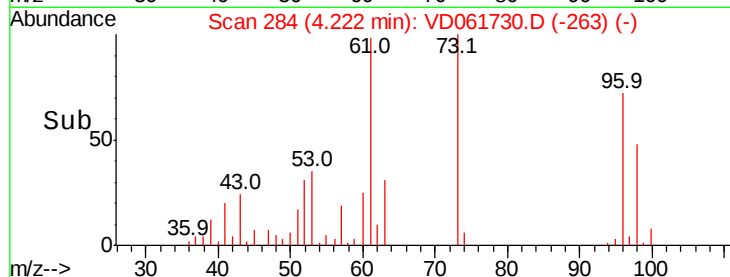
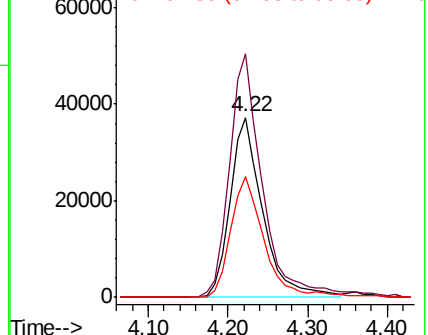
96 100

61 135.5 106.8 160.2

98 66.8 52.2 78.2



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



#22

Diisopropyl ether

Concen: 26.295 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Tgt Ion: 45 Resp: 370523

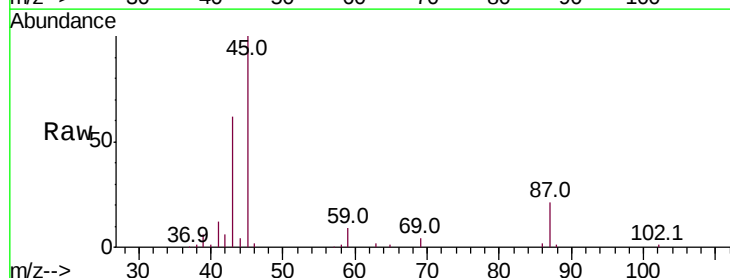
Ion Ratio Lower Upper

45 100

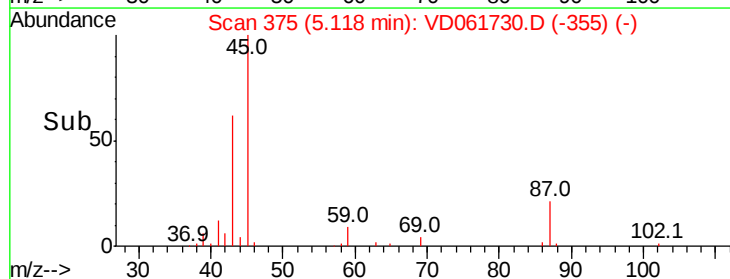
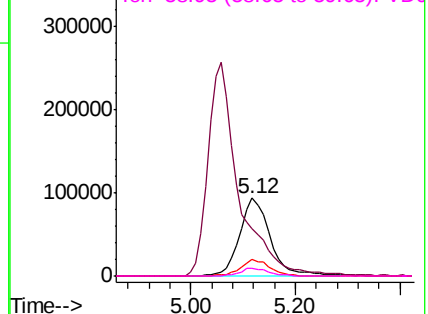
43 61.6 46.6 70.0

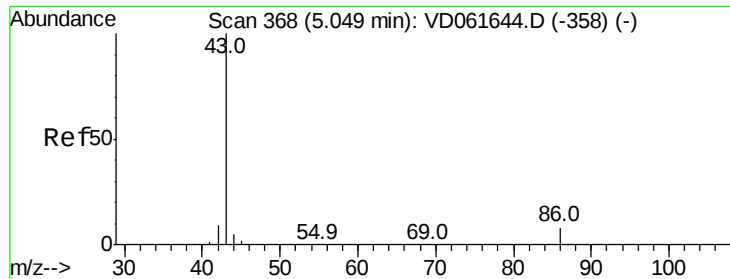
87 21.0 15.6 23.4

59 9.5 8.6 13.0



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: 132.934 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

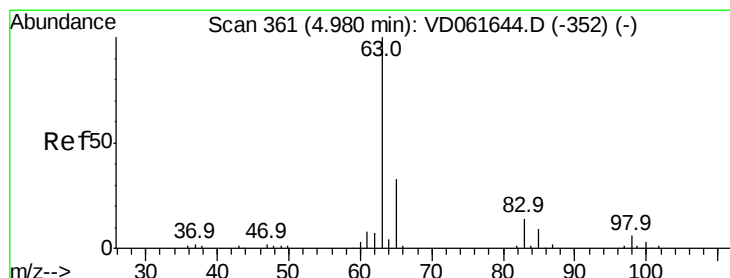
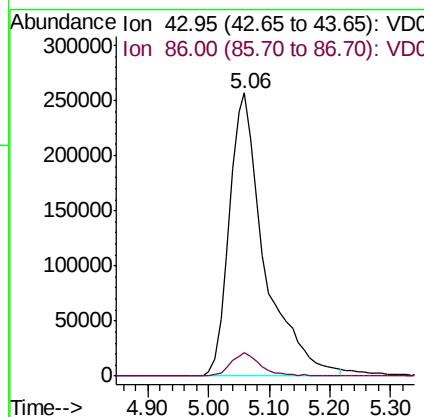
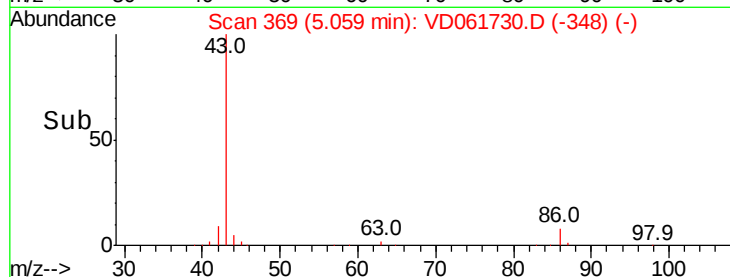
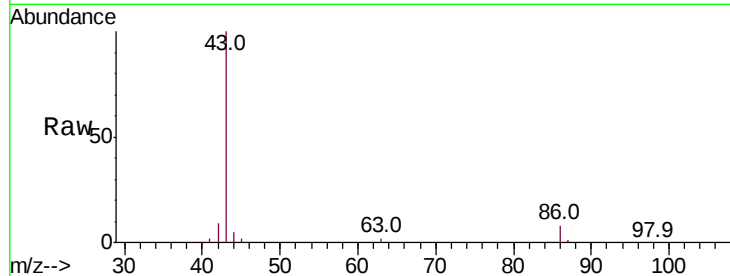
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1033559

Ion Ratio Lower Upper

43 100

86 8.1 6.4 9.6



#24

1,1-Dichloroethane

Concen: 21.645 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.01 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

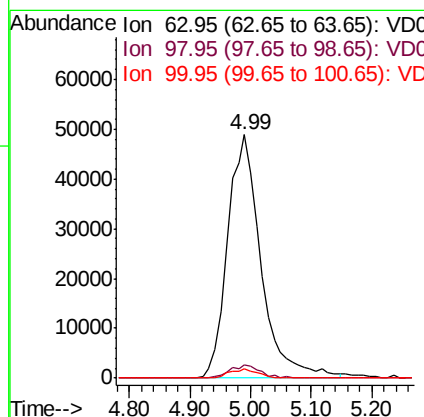
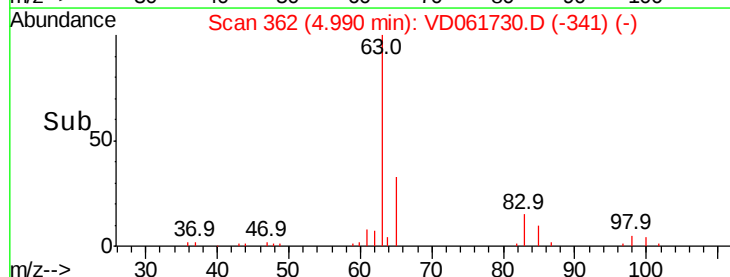
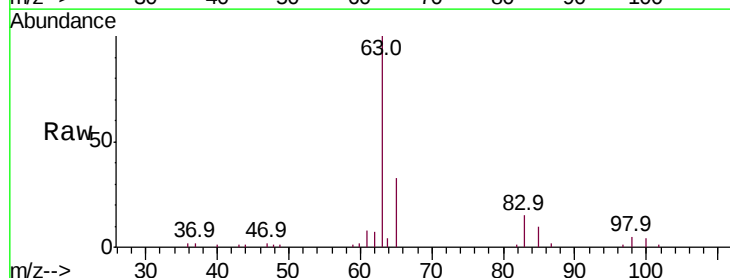
Tgt Ion: 63 Resp: 186899

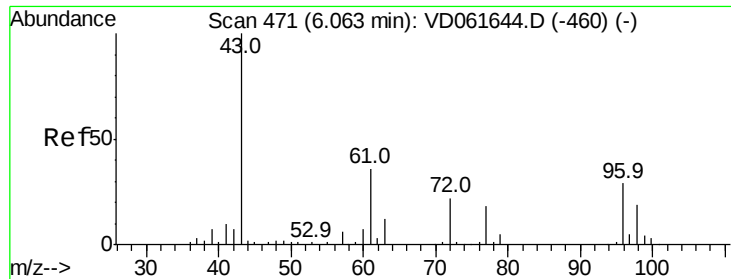
Ion Ratio Lower Upper

63 100

98 5.2 2.9 8.6

100 3.6 1.7 5.1





#25

2-Butanone

Concen: 129.129 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

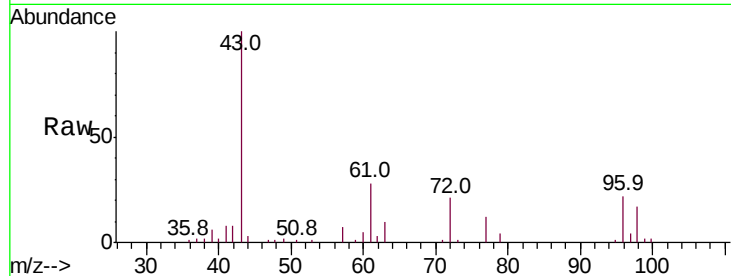
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 159437

Ion Ratio Lower Upper

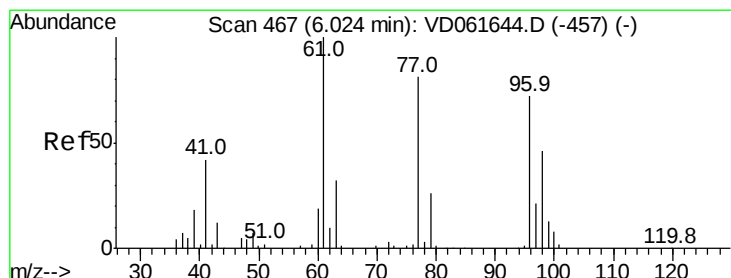
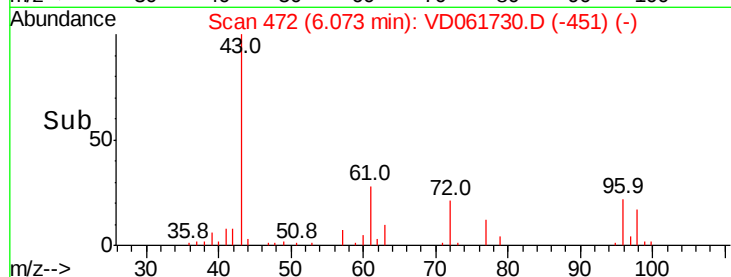
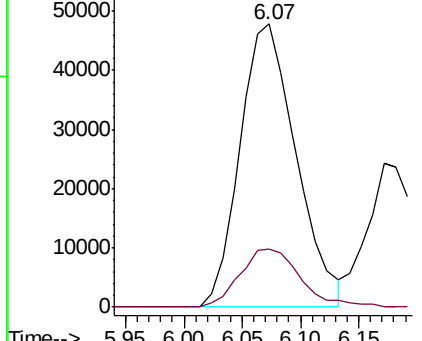
43 100

72 20.7 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.519 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD061730.D

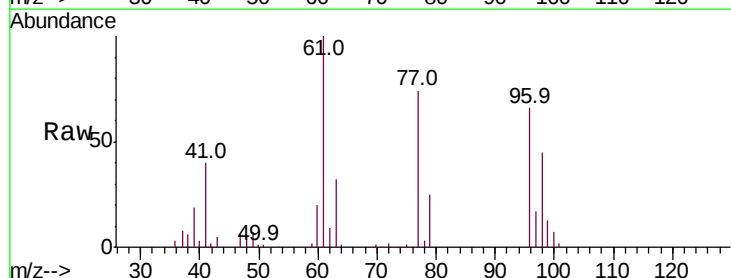
Acq: 11 Apr 2019 9:34

Tgt Ion: 77 Resp: 130202

Ion Ratio Lower Upper

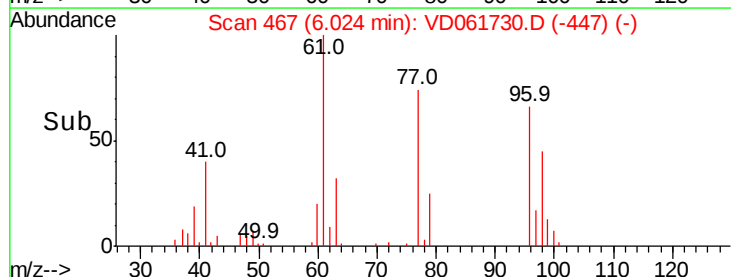
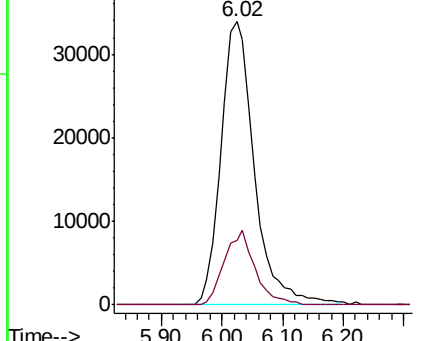
77 100

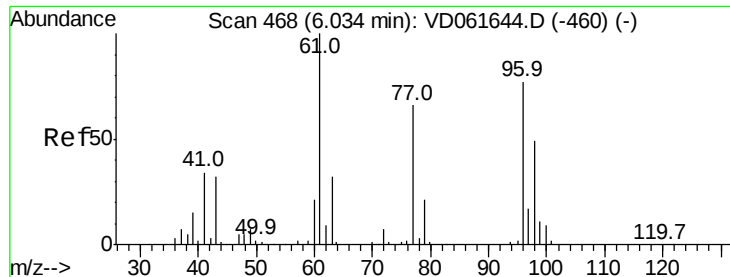
97 22.6 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



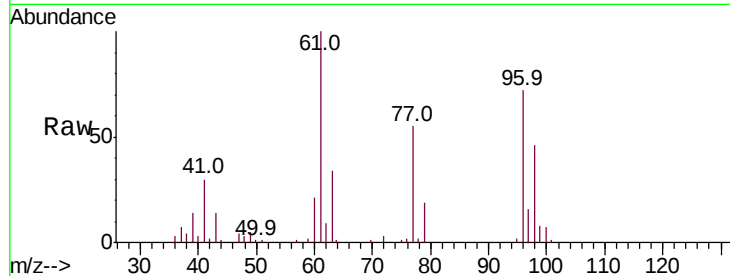


#27

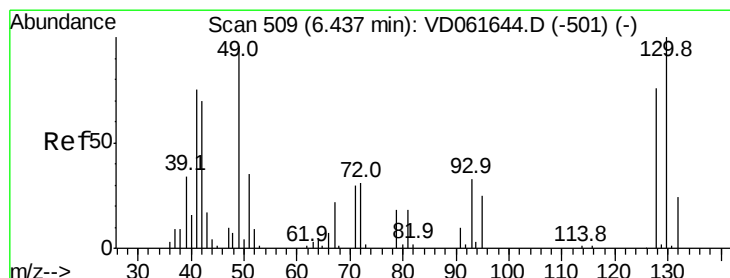
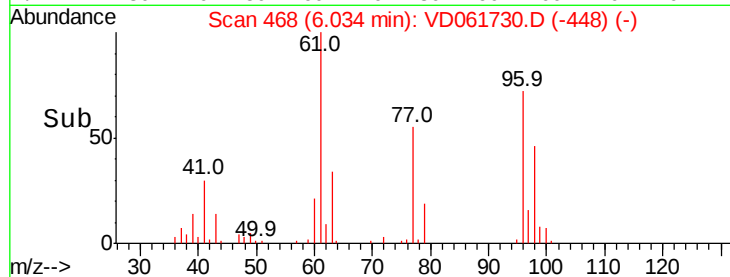
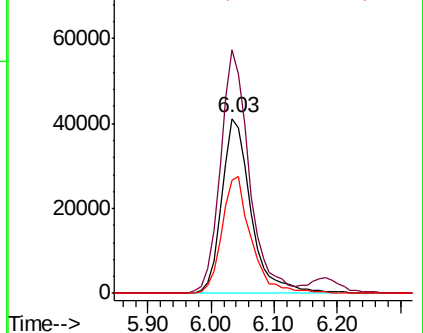
cis-1,2-Dichloroethene
Concen: 23.288 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	96	Resp	132960
Ion Ratio	Lower	Upper	
96	100		
61	139.5	0.0	259.8
98	64.8	0.0	127.6



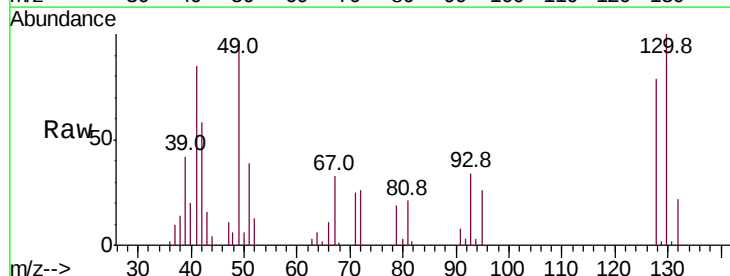
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



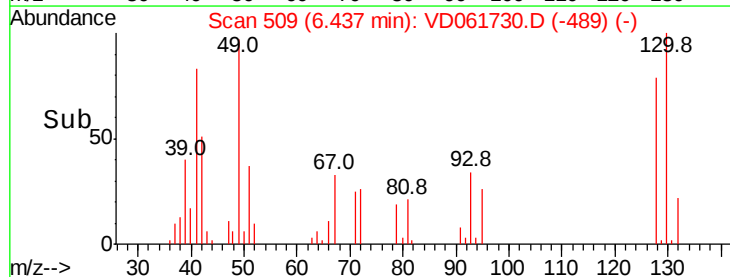
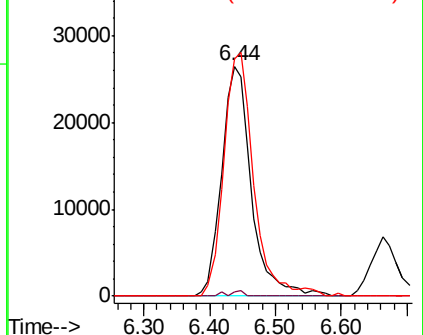
#28

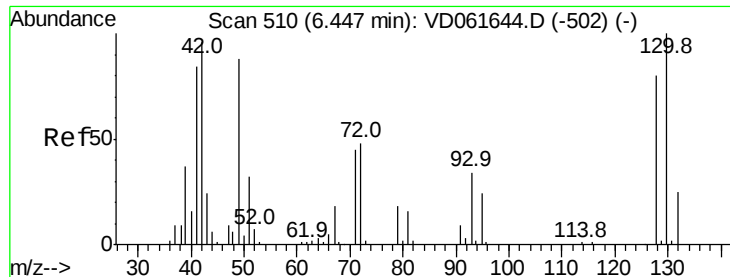
Bromochloromethane
Concen: 26.123 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Tgt Ion	49	Resp	83207
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	4.0
130	103.3	83.3	124.9



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: 149.420 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Instrument :
MSVOA_D
ClientSampled :

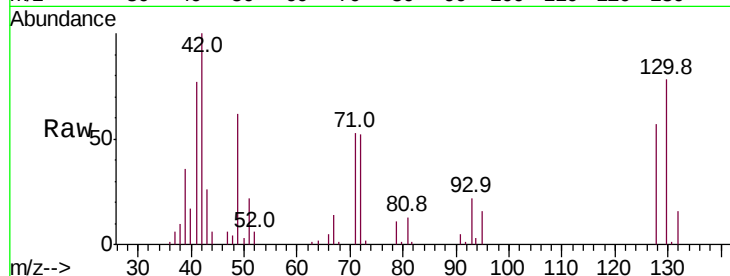
Tot Ion: 42 Resp: 89060

Ion Ratio Lower Upper

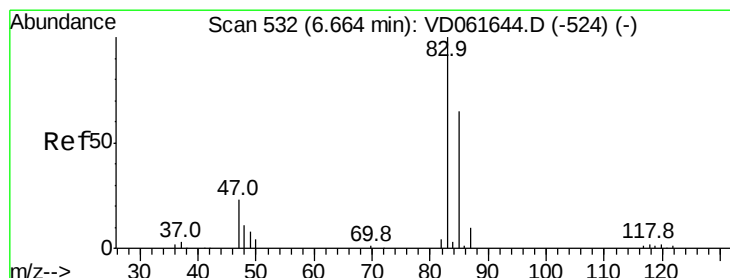
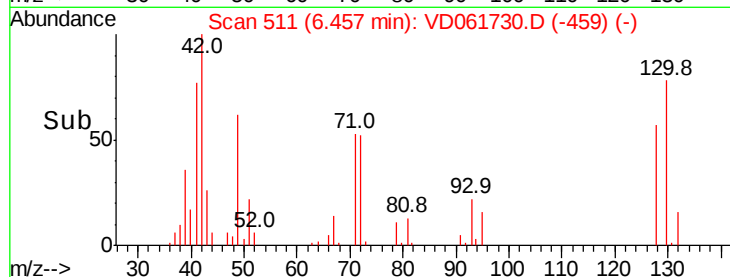
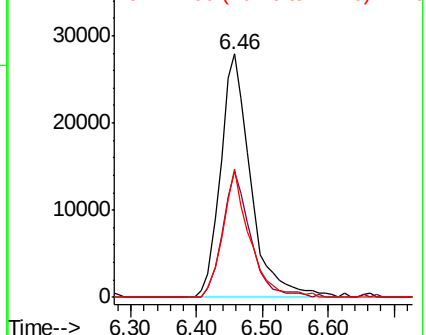
42 100

72 48.1 37.0 55.6

71 46.7 36.5 54.7



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: 26.022 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.00 min

Lab File: VD061730.D

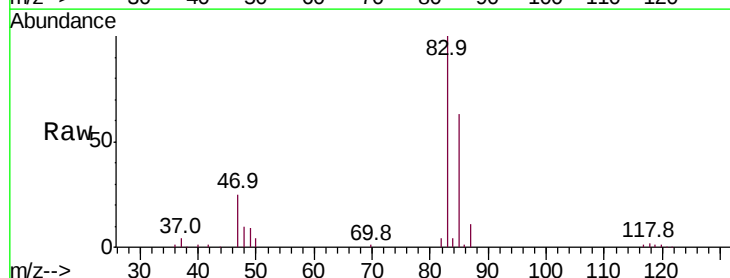
Acq: 11 Apr 2019 9:34

Tgt Ion: 83 Resp: 235387

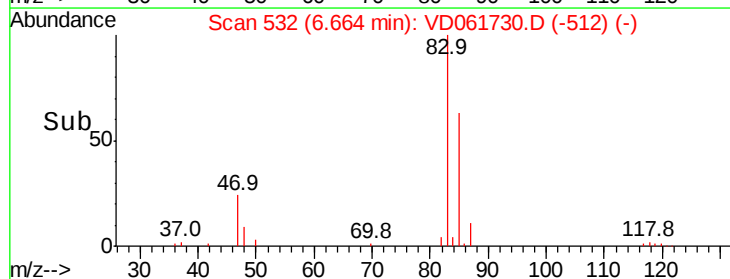
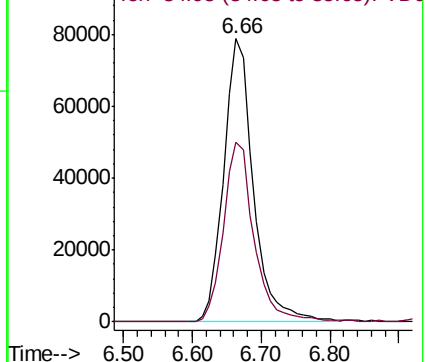
Ion Ratio Lower Upper

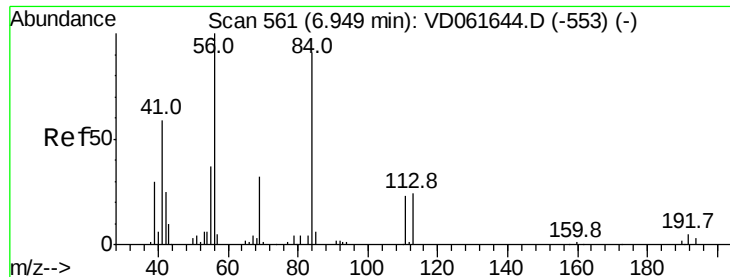
83 100

85 63.4 51.9 77.9



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

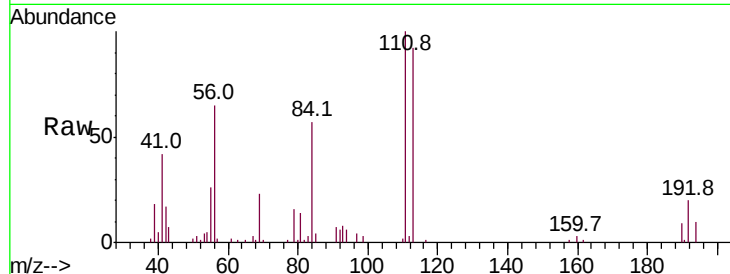




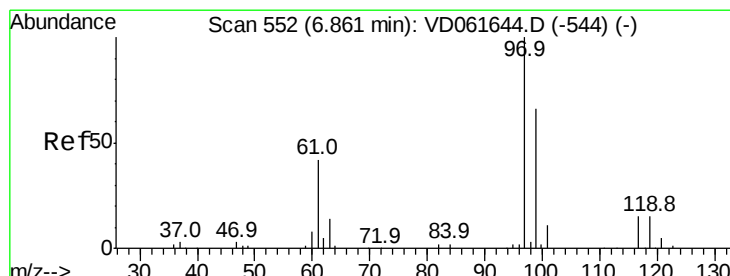
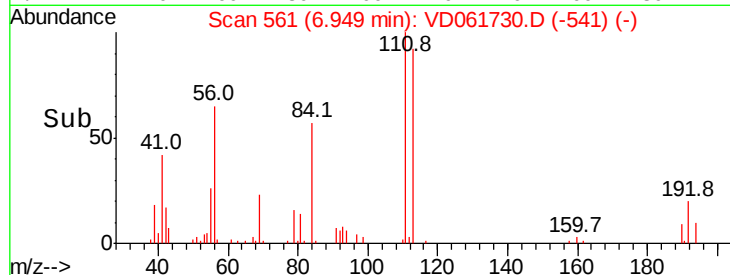
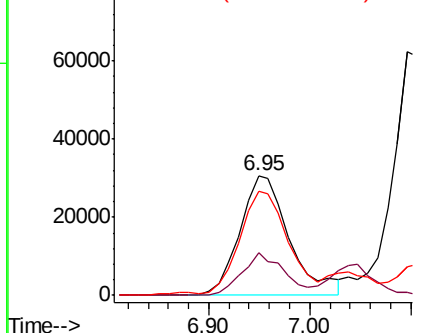
#31
Cyclohexane
Concen: 15.458 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 104276
Ion Ratio Lower Upper
56 100
69 35.5 25.8 38.6
84 87.3 74.2 111.2

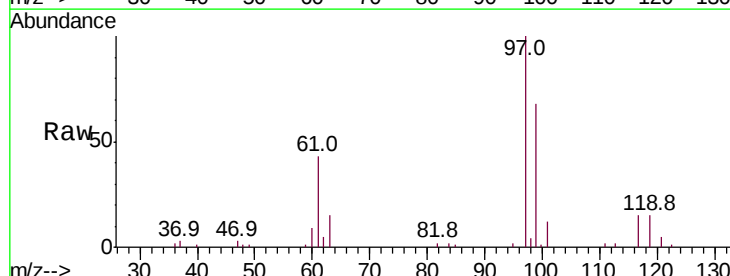


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

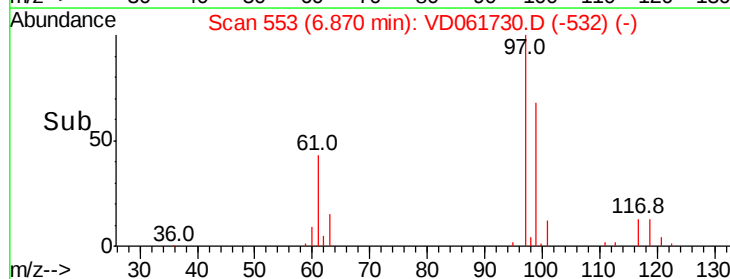
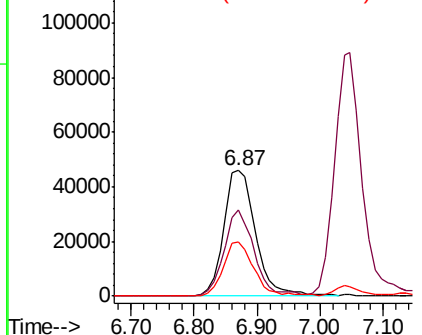


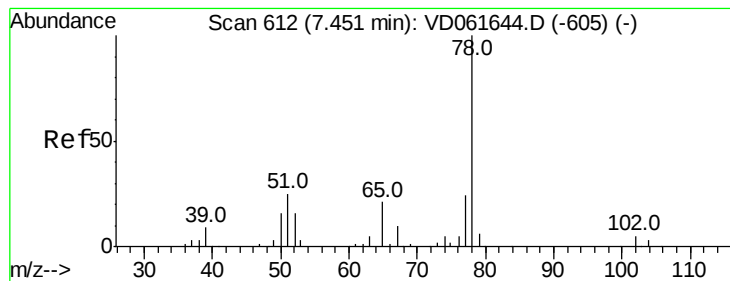
#32
1,1,1-Trichloroethane
Concen: 20.185 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Tgt Ion: 97 Resp: 160007
Ion Ratio Lower Upper
97 100
99 68.3 52.5 78.7
61 43.2 33.4 50.0



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





#33

1,2-Dichloroethane-d4

Concen: 20.185 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Instrument :

MSVOA_D

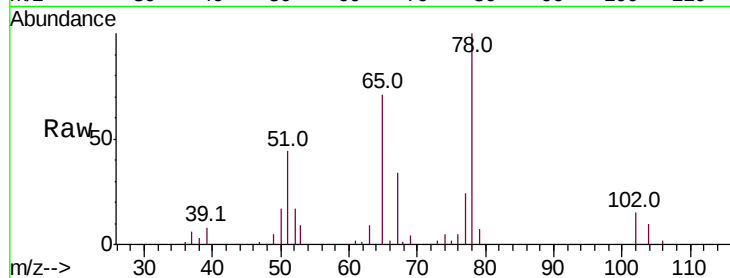
ClientSampled :

Tot Ion: 65 Resp: 241585

Ion Ratio Lower Upper

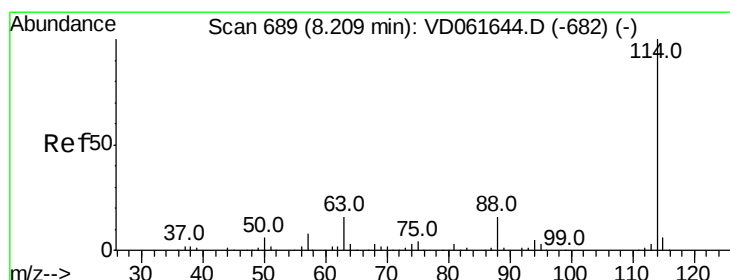
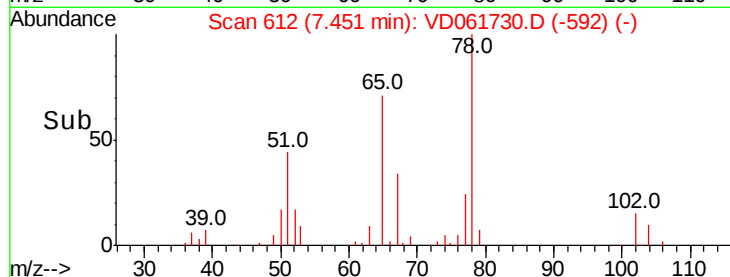
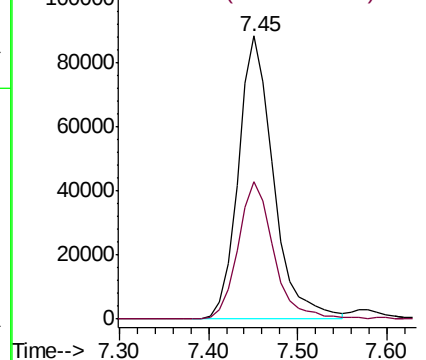
65 100

67 48.6 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

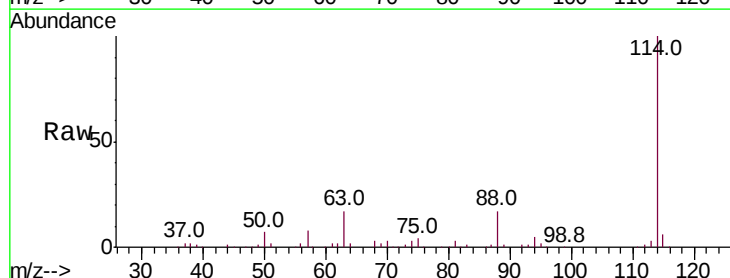
Tgt Ion: 114 Resp: 867810

Ion Ratio Lower Upper

114 100

63 16.6 0.0 31.2

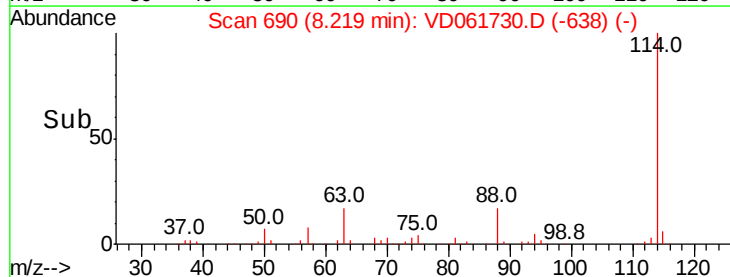
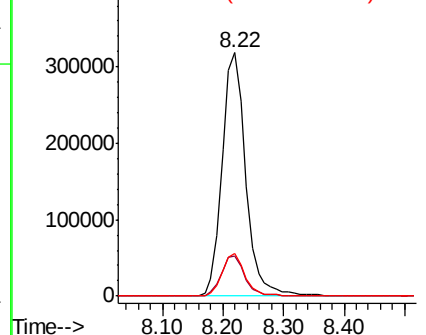
88 17.4 0.0 31.8

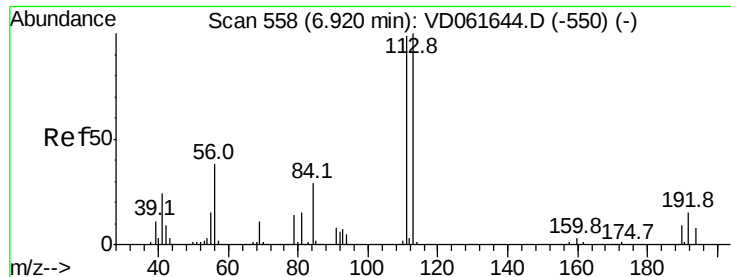


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Instrument :
MSVOA_D
ClientSampled :

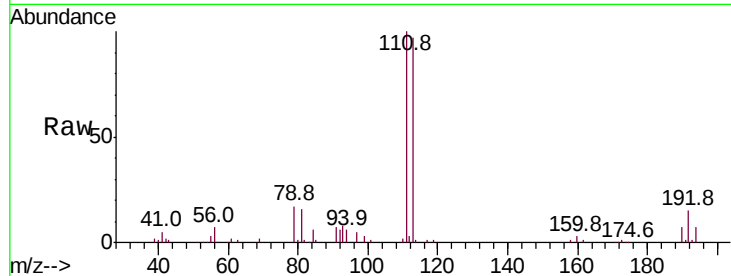
Tot Ion:113 Resp: 325814

Ion Ratio Lower Upper

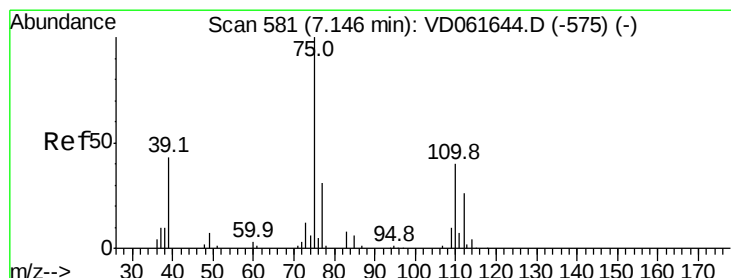
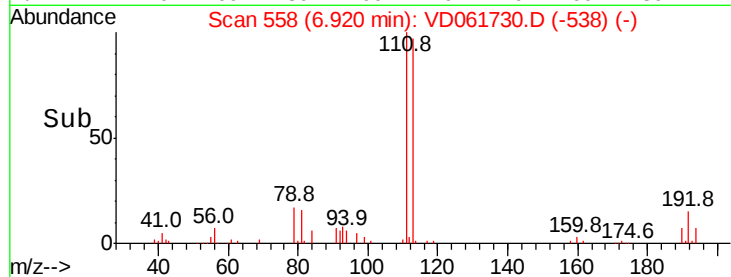
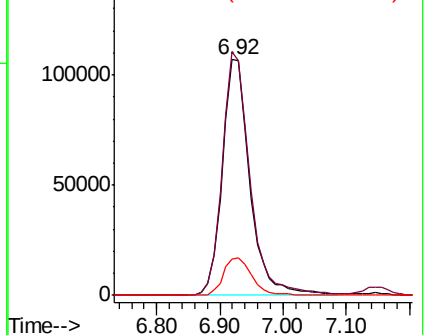
113 100

111 103.3 79.3 118.9

192 15.6 12.3 18.5



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: 18.834 ug/l

RT: 7.15 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

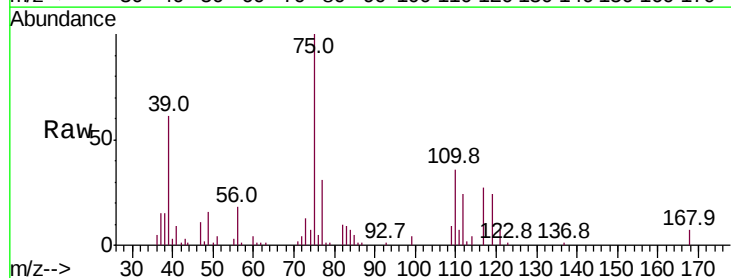
Tgt Ion: 75 Resp: 143041

Ion Ratio Lower Upper

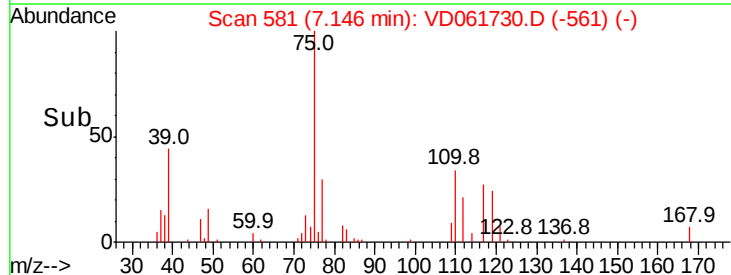
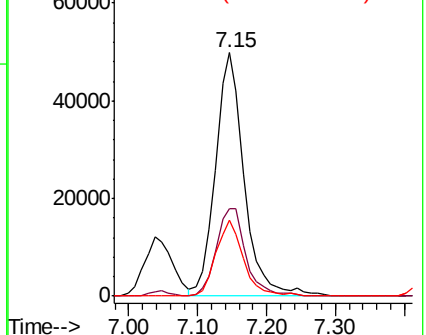
75 100

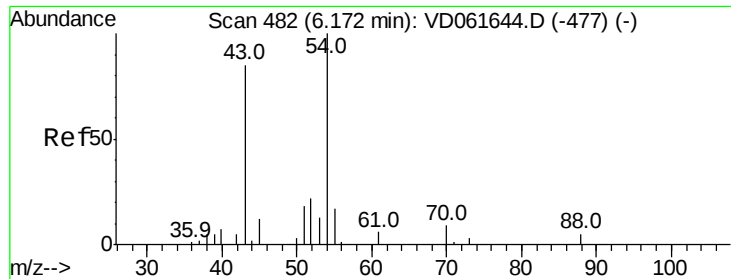
110 36.1 19.7 59.0

77 31.3 24.8 37.2



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

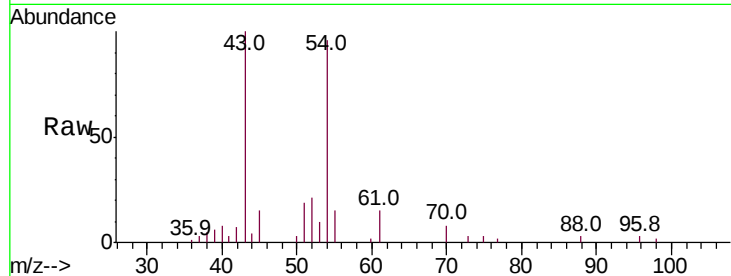




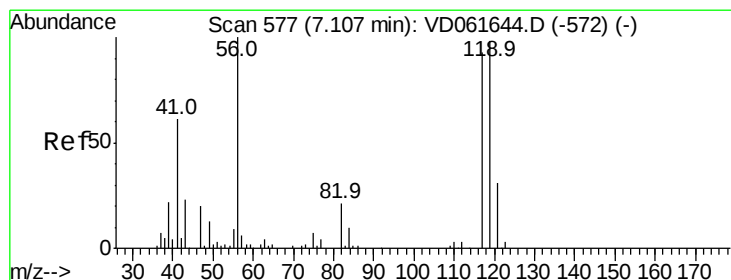
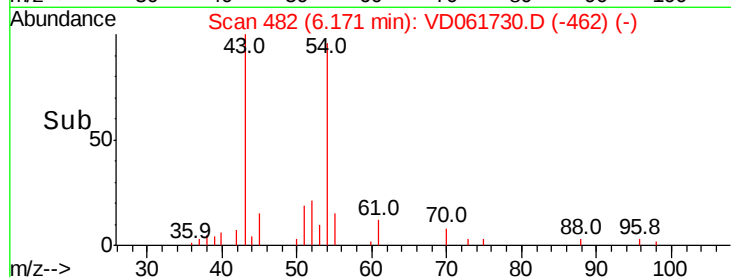
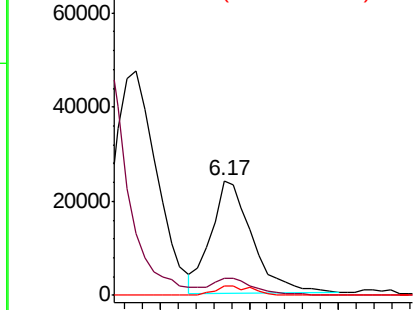
#37
Ethyl Acetate
Concen: 25.174 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 77877
Ion Ratio Lower Upper
43 100
61 14.6 11.9 17.9
70 7.9 6.9 10.3

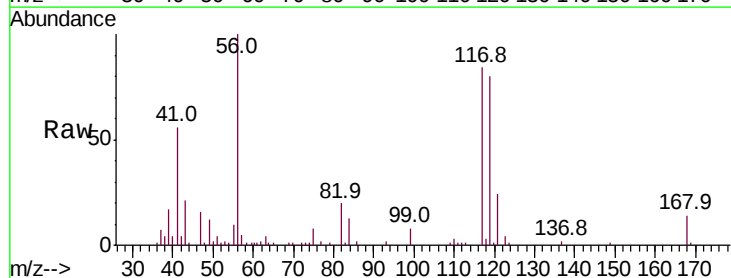


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

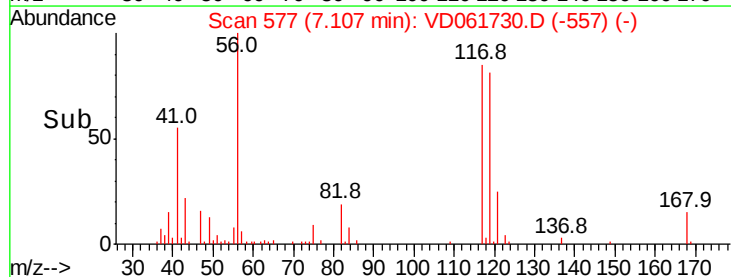
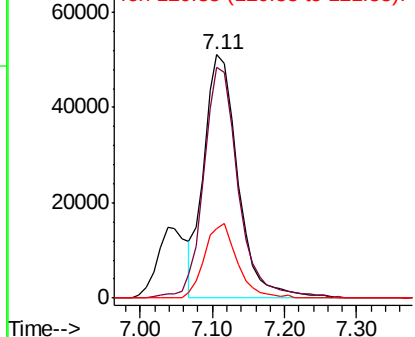


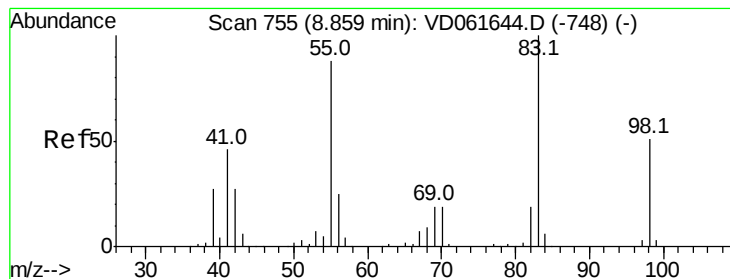
#38
Carbon Tetrachloride
Concen: 18.700 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Tgt Ion: 117 Resp: 166453
Ion Ratio Lower Upper
117 100
119 94.8 77.9 116.9
121 28.5 24.7 37.1



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





#39

Methvlcvclohexane

Concen: 14.926 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Instrument :

MSVOA_D

ClientSampleId :

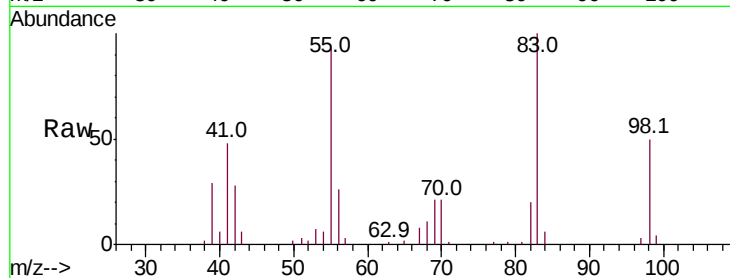
Tot Ion: 83 Resp: 116381

Ion Ratio Lower Upper

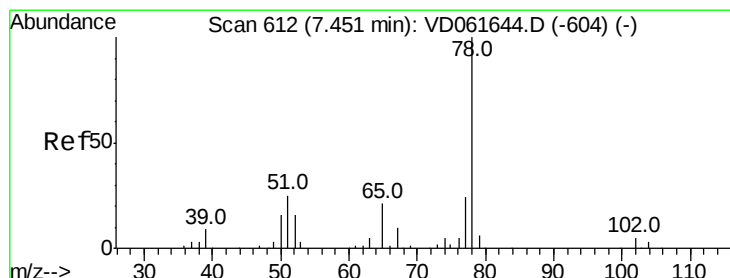
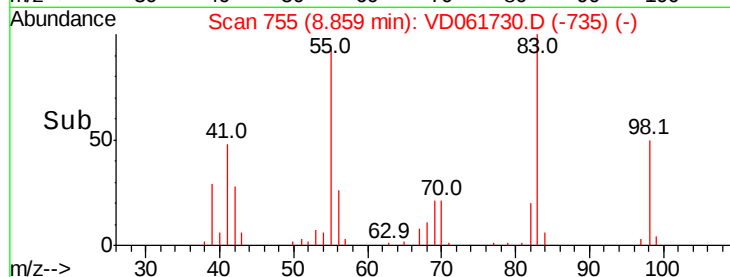
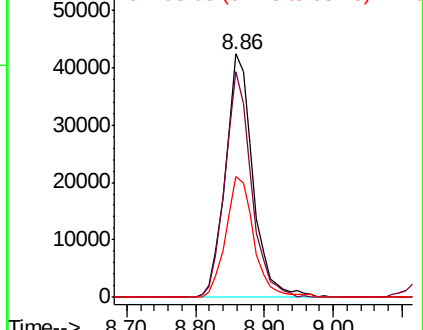
83 100

55 92.8 70.3 105.5

98 49.7 41.0 61.6



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



#40

Benzene

Concen: 19.568 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061730.D

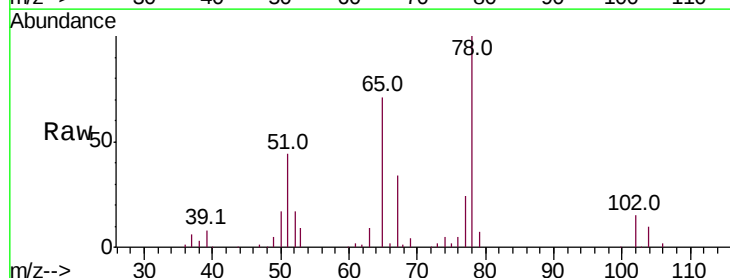
Acq: 11 Apr 2019 9:34

Tgt Ion: 78 Resp: 358533

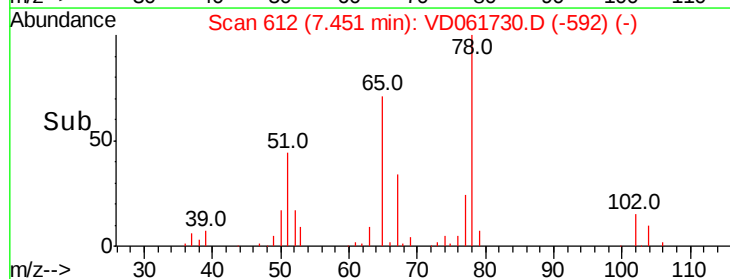
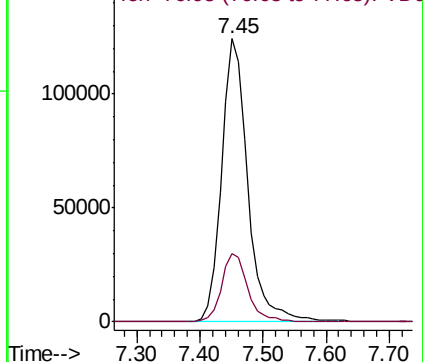
Ion Ratio Lower Upper

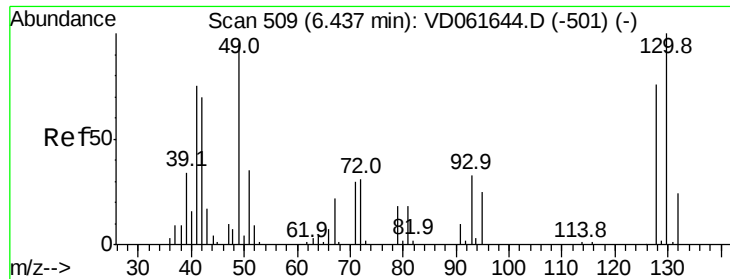
78 100

77 24.0 19.5 29.3



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

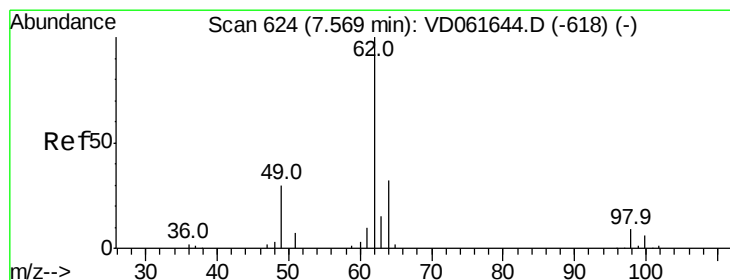
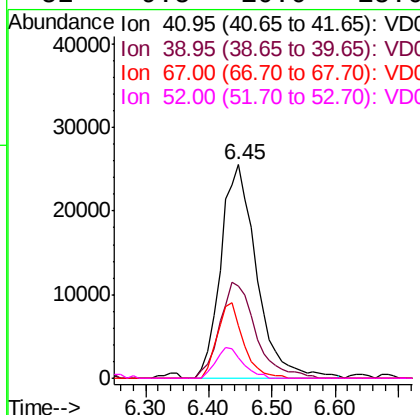
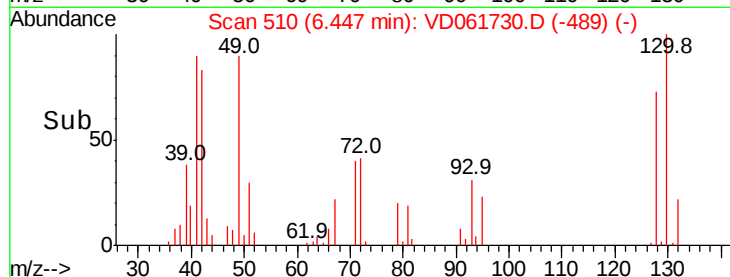
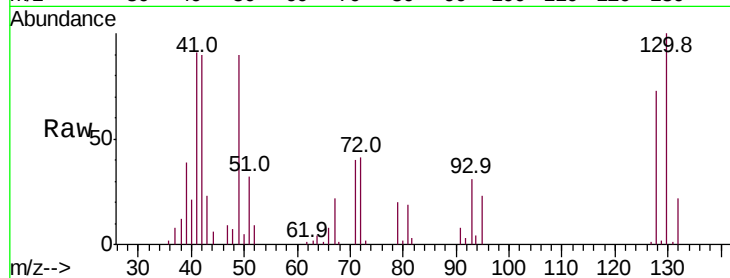




#41
Methacrylonitrile
Concen: 27.835 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

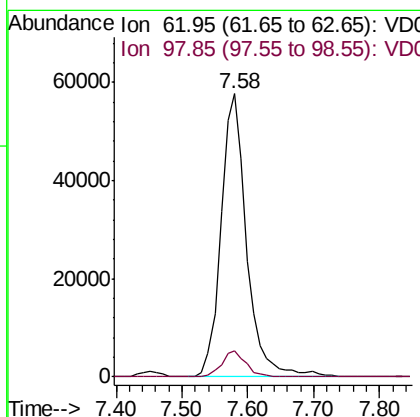
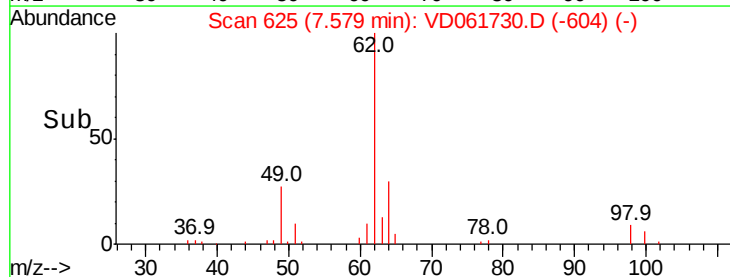
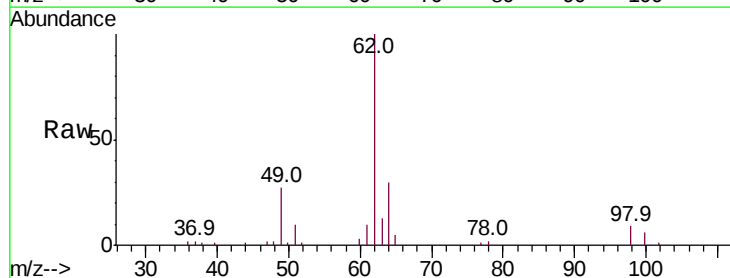
Instrument :
MSVOA_D
ClientSampleId :

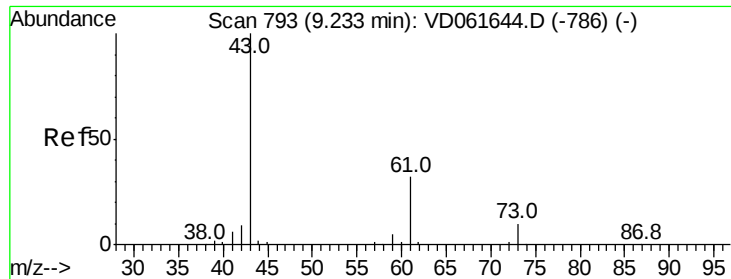
Tot Ion: 41 Resp: 100520
Ion Ratio Lower Upper
41 100
39 43.2 36.2 54.2
67 24.6 23.2 34.8
52 9.5 10.0 15.0#



#42
1,2-Dichloroethane
Concen: 27.176 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Tgt Ion: 62 Resp: 156596
Ion Ratio Lower Upper
62 100
98 9.3 0.0 17.8



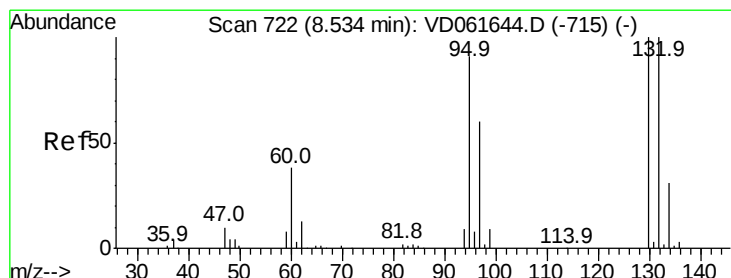
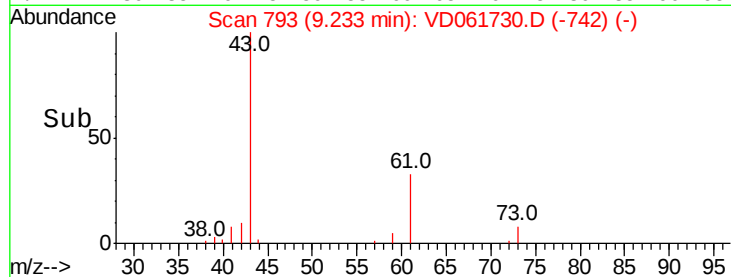
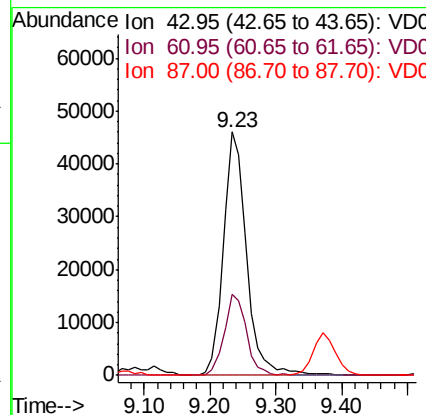
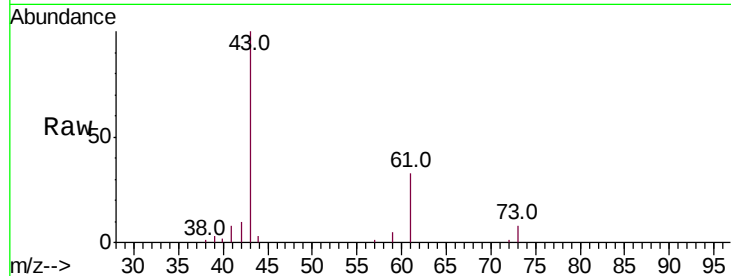


#43

Isopropyl Acetate
 Concen: 25.124 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

Instrument :
 MSVOA_D
 ClientSampled :

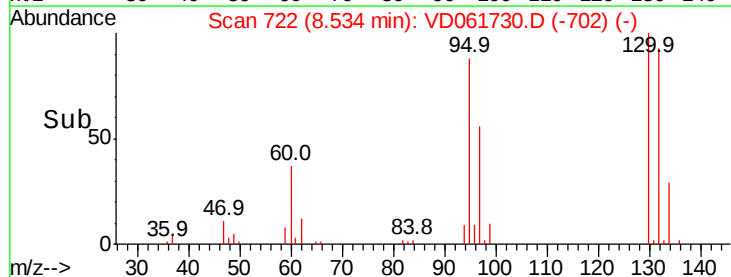
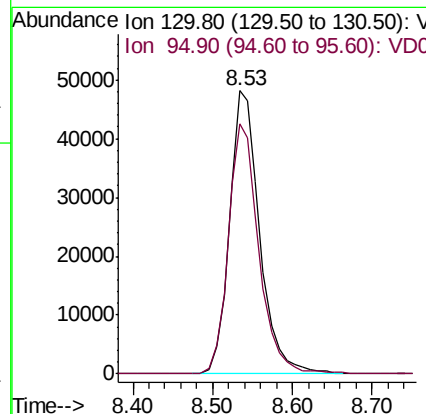
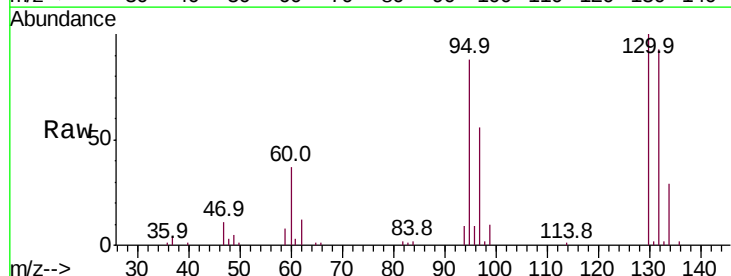
Tot Ion: 43 Resp: 112798
 Ion Ratio Lower Upper
 43 100
 61 33.4 25.9 38.9
 87 0.0 0.2 0.4#

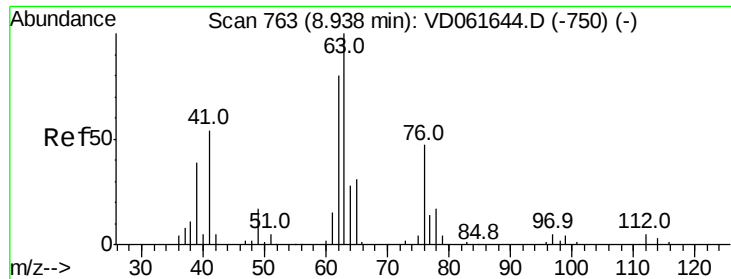


#44

Trichloroethene
 Concen: 18.115 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

Tgt Ion:130 Resp: 127243
 Ion Ratio Lower Upper
 130 100
 95 88.3 0.0 181.8





#45

1,2-Dichloropropane

Concen: 23.333 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

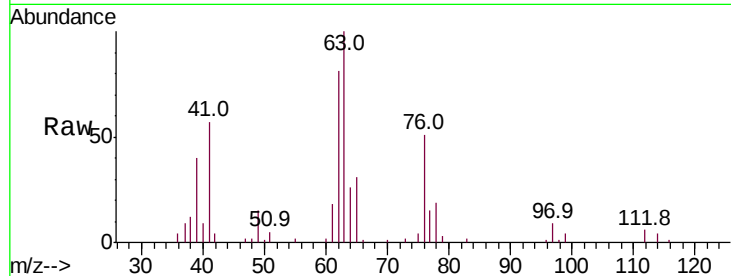
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 63 Resp: 106022

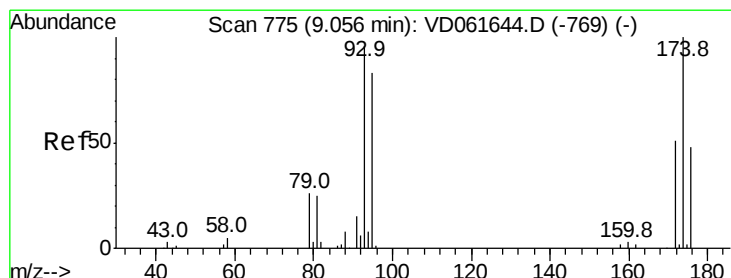
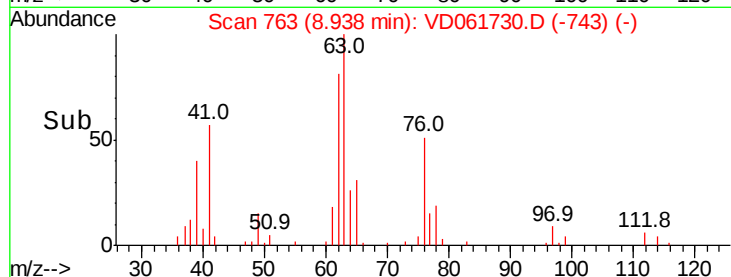
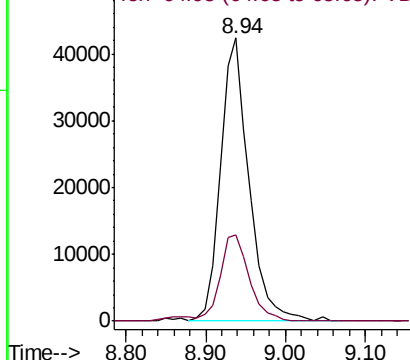
Ion Ratio Lower Upper

63 100

65 30.7 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 25.321 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

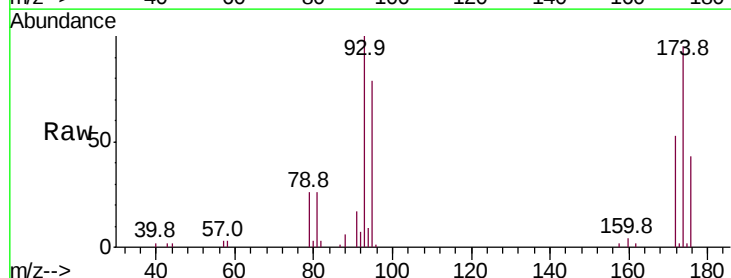
Tgt Ion: 93 Resp: 82229

Ion Ratio Lower Upper

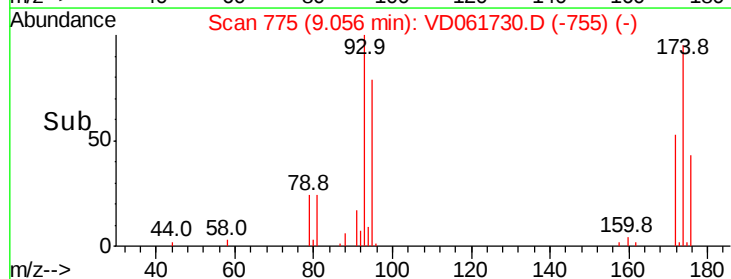
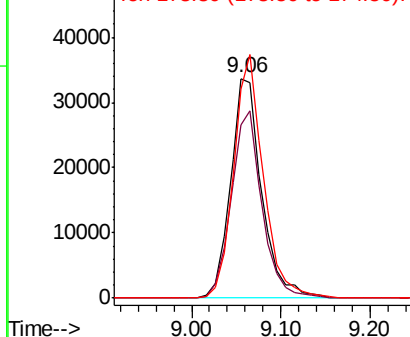
93 100

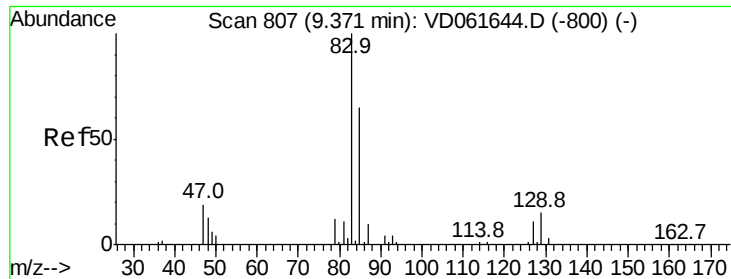
95 78.8 68.6 103.0

174 95.4 83.0 124.4



Abundance Ion 92.90 (92.60 to 93.60): VDC
Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 25.419 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Instrument :

MSVOA_D

ClientSampleId :

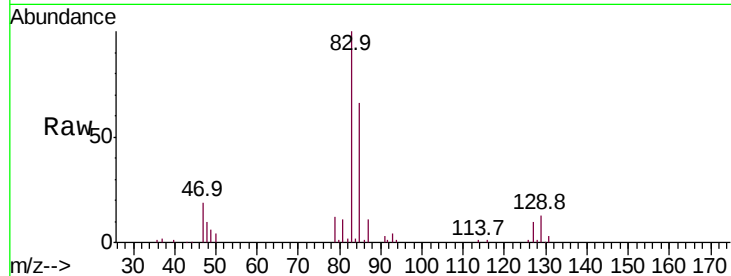
Tot Ion: 83 Resp: 181300

Ion Ratio Lower Upper

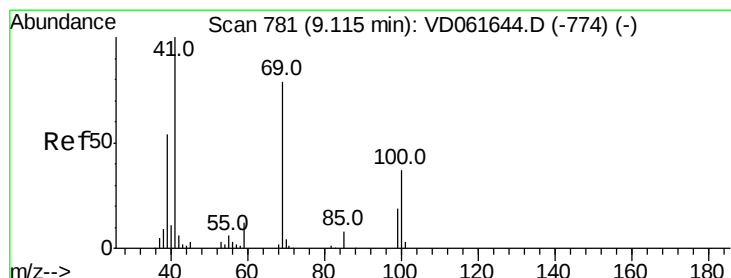
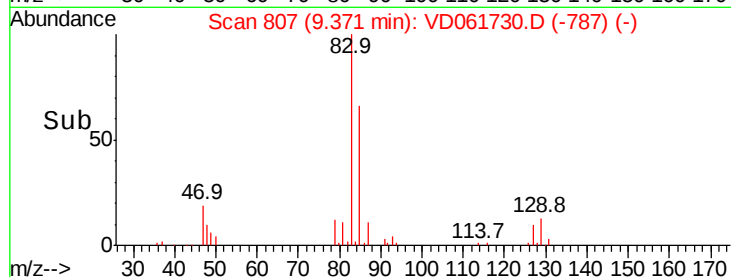
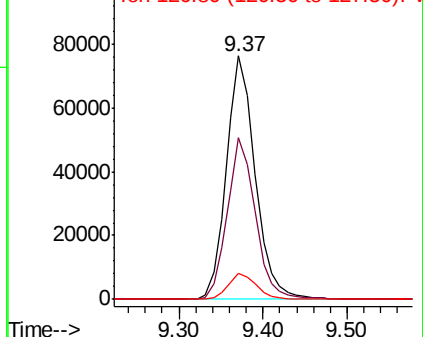
83 100

85 66.3 51.8 77.6

127 10.4 9.0 13.6



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



#48

Methyl methacrylate

Concen: 26.565 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

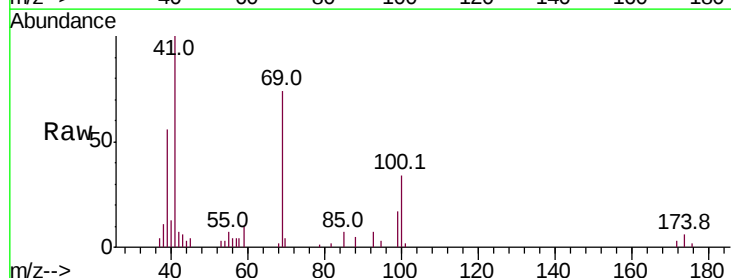
Tgt Ion: 41 Resp: 68749

Ion Ratio Lower Upper

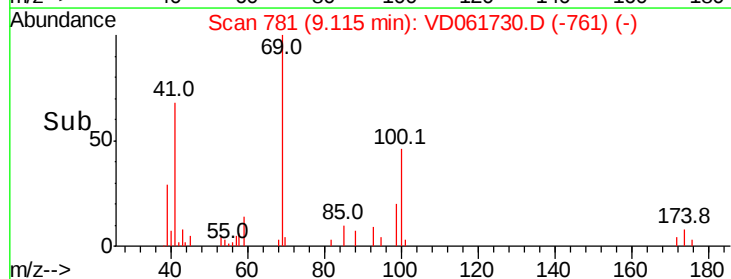
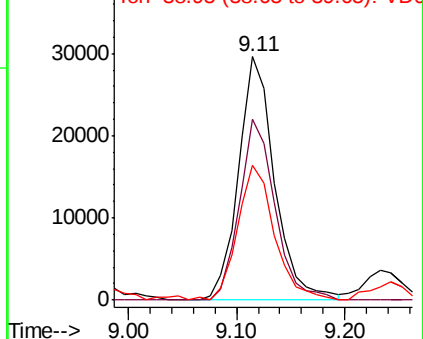
41 100

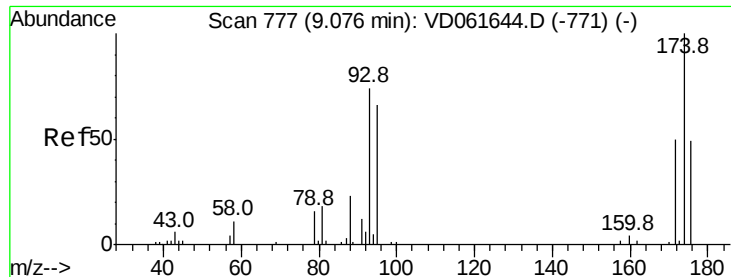
69 74.4 63.1 94.7

39 55.6 43.8 65.8



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

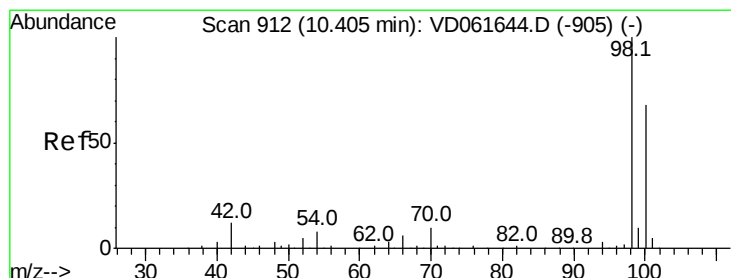
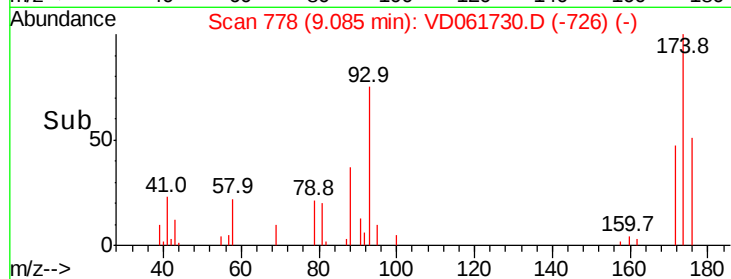
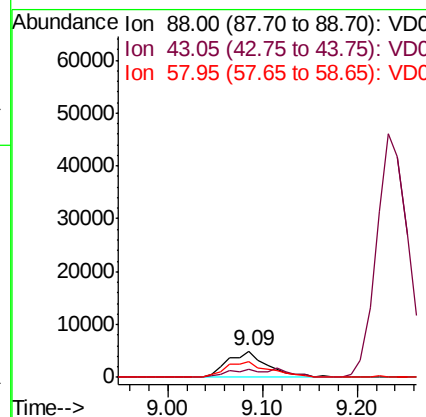
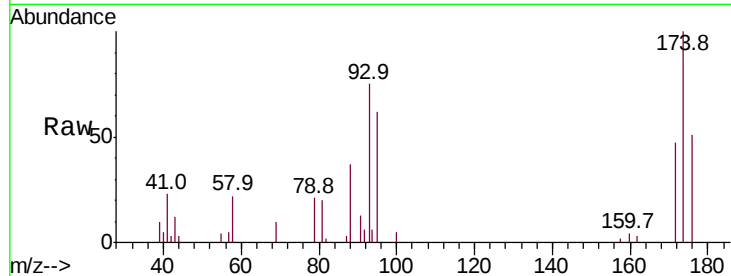




#49
 1,4-Dioxane
 Concen: 502.490 ug/l
 RT: 9.09 min Scan# 778
 Delta R.T. 0.01 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

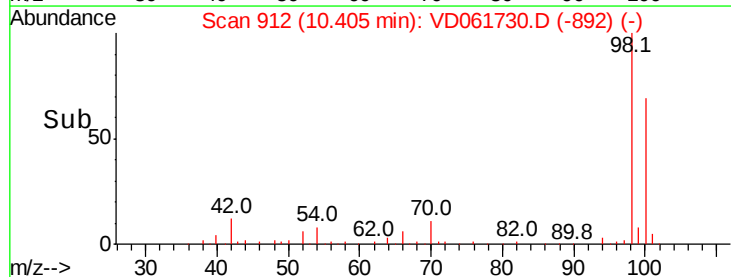
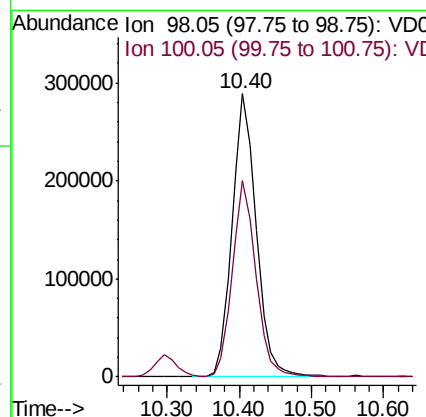
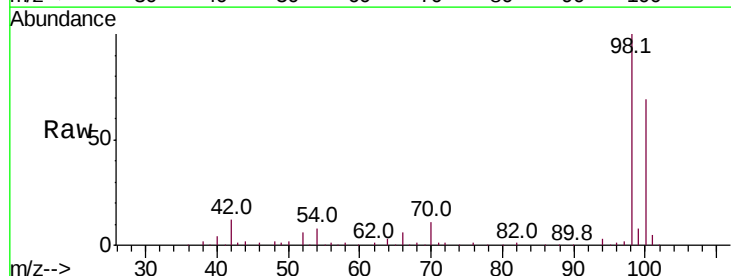
Instrument :
 MSVOA_D
 ClientSampleId :

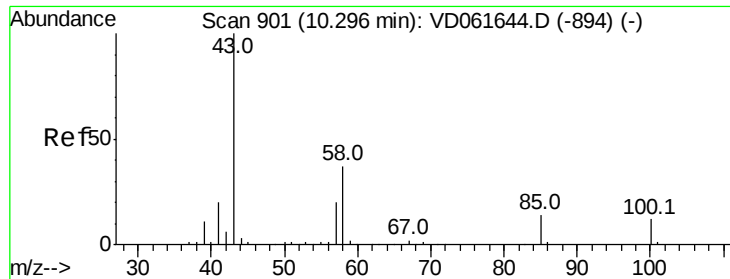
Tot Ion: 88 Resp: 14354
 Ion Ratio Lower Upper
 88 100
 43 32.0 21.8 32.8
 58 59.8 40.2 60.2



#50
 Toluene-d8
 Concen: 502.490 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

Tgt Ion: 98 Resp: 673704
 Ion Ratio Lower Upper
 98 100
 100 69.2 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 145.482 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

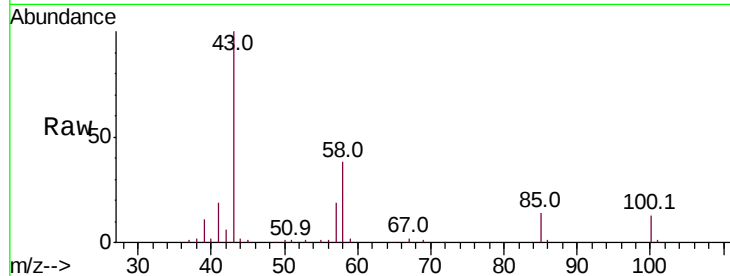
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 386273

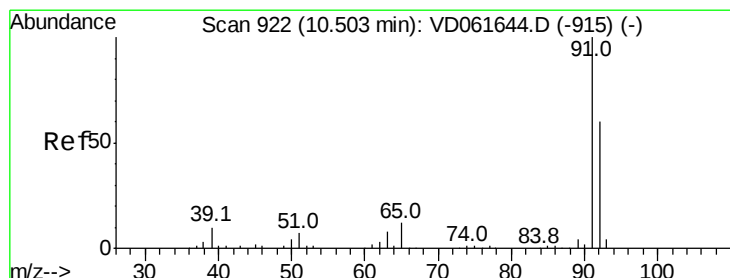
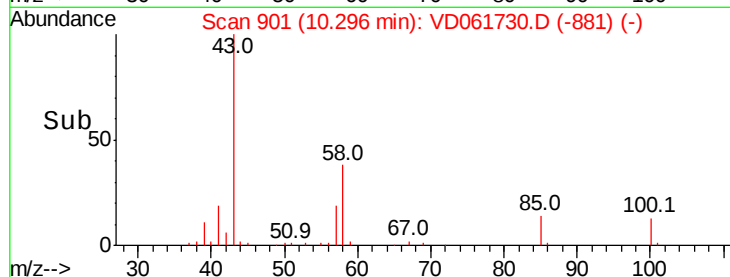
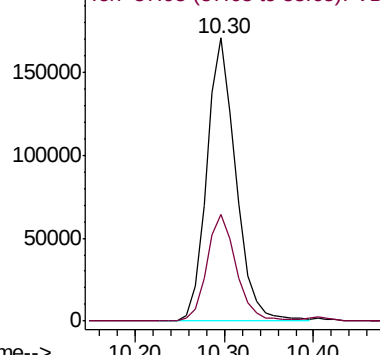
Ion Ratio Lower Upper

43 100

58 37.7 29.8 44.8



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



#52

Toluene

Concen: 21.031 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD061730.D

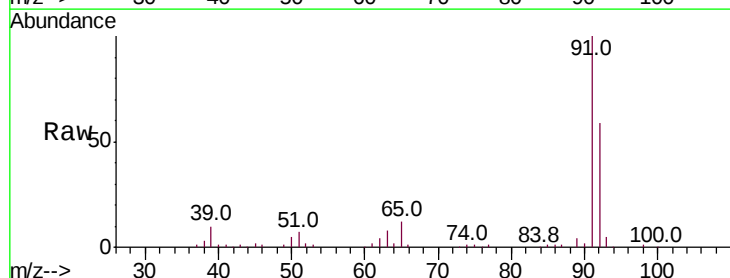
Acq: 11 Apr 2019 9:34

Tgt Ion: 92 Resp: 240624

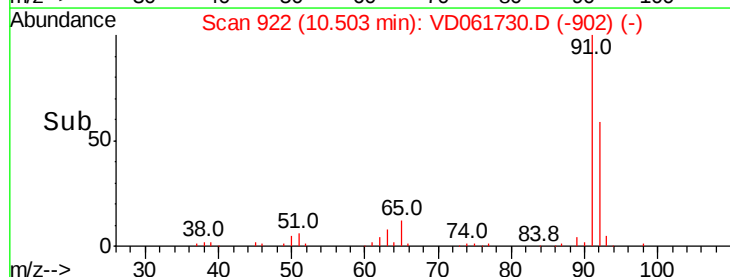
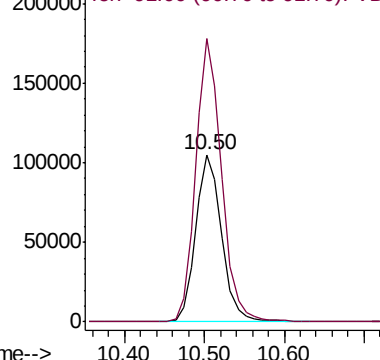
Ion Ratio Lower Upper

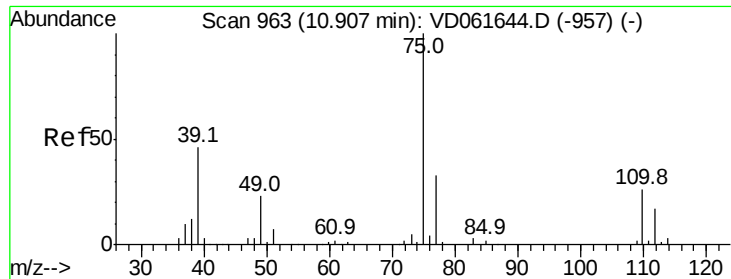
92 100

91 169.0 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

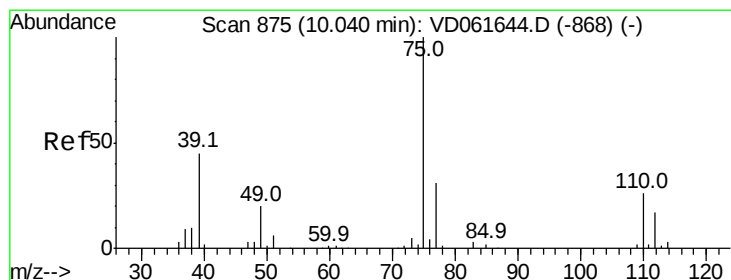
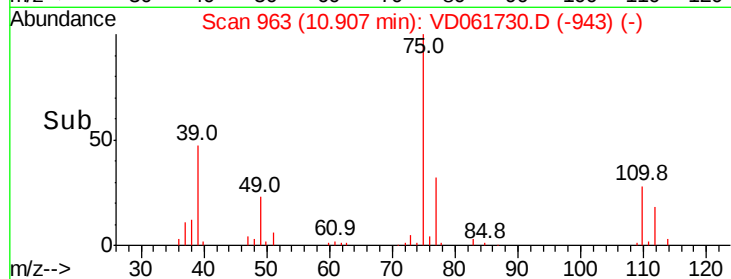
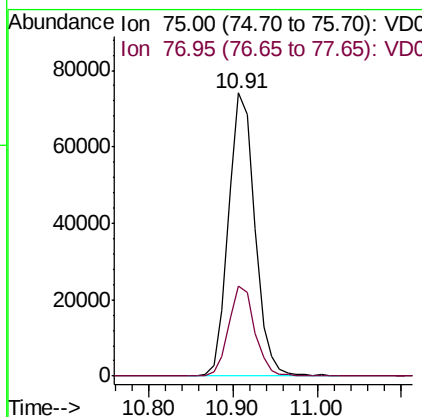
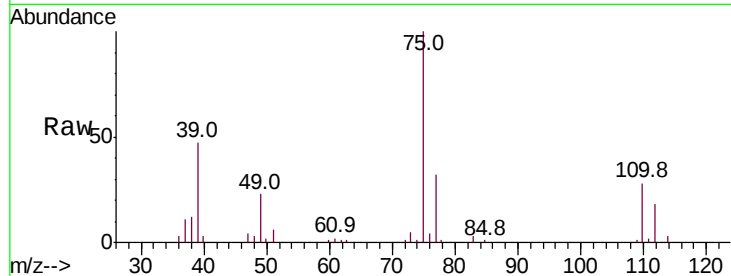




#53
 t-1,3-Dichloropropene
 Concen: 25.831 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

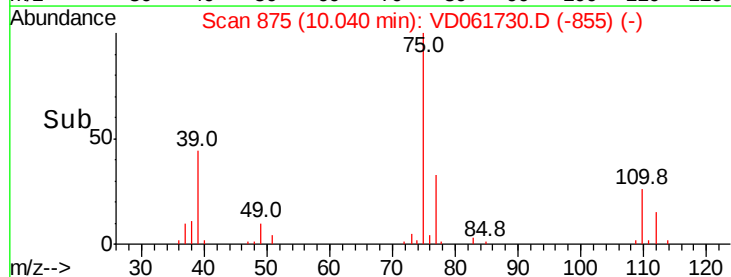
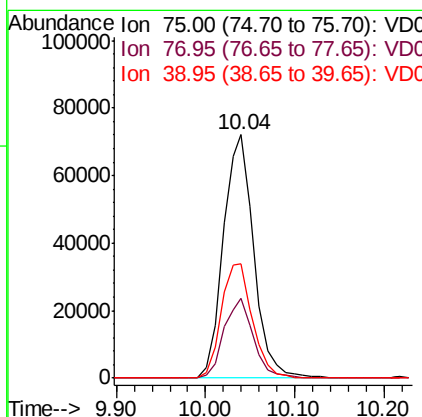
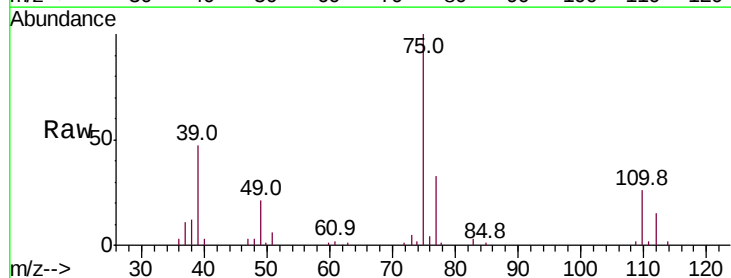
Instrument :
 MSVOA_D
 ClientSampled :

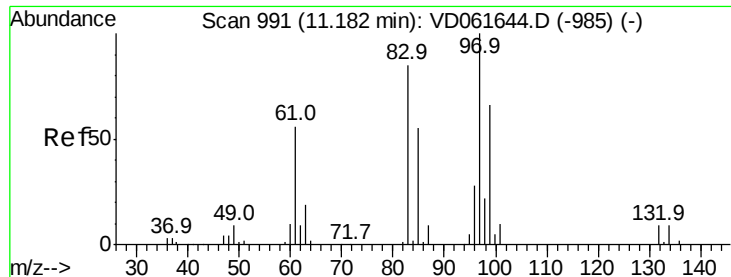
Tot Ion: 75 Resp: 161500
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 22.330 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

Tgt Ion: 75 Resp: 172106
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.6 37.0
 39 46.7 36.2 54.2





#55

1,1,2-Trichloroethane

Concen: 24.543 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.01 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 94708

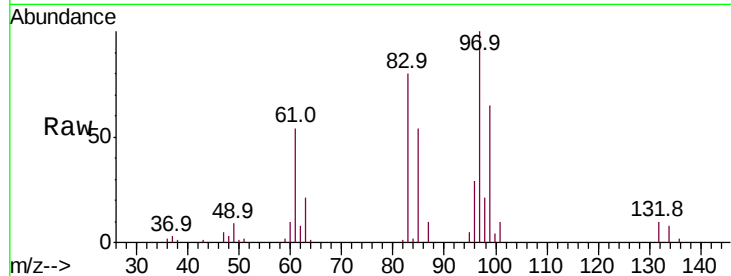
Ion Ratio Lower Upper

97 100

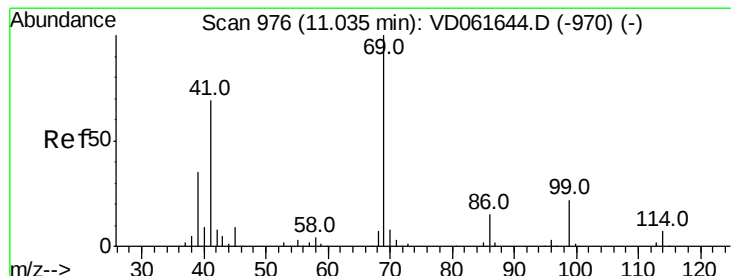
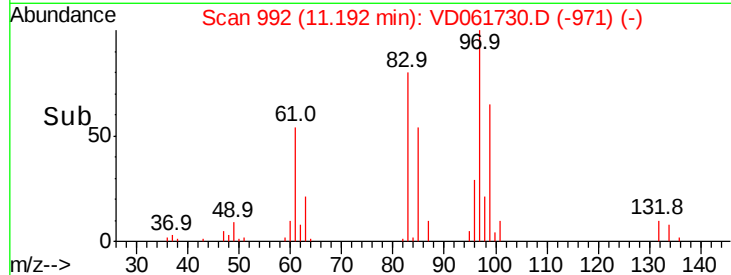
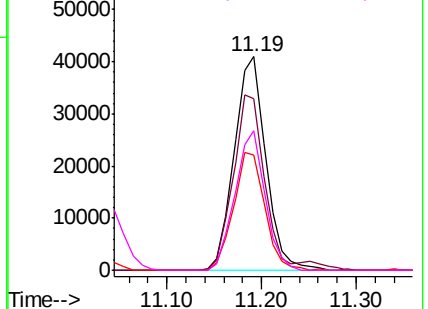
83 80.0 67.8 101.6

85 53.8 43.8 65.8

99 65.1 52.8 79.2



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: 27.535 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

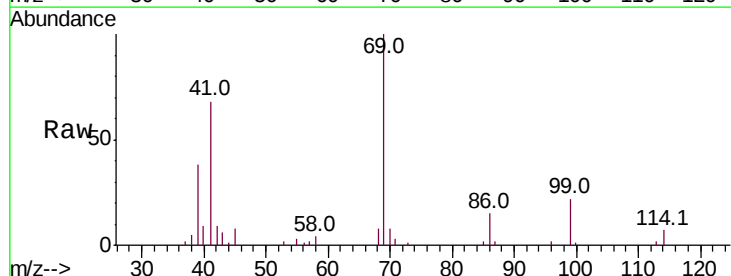
Tgt Ion: 69 Resp: 112091

Ion Ratio Lower Upper

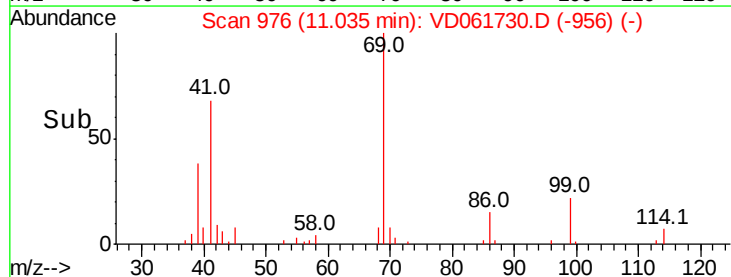
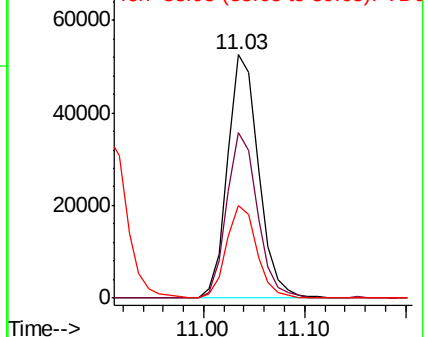
69 100

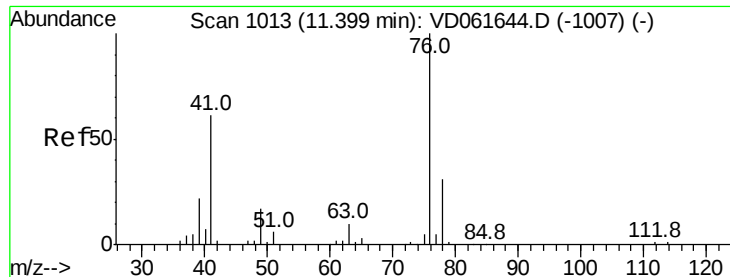
41 67.8 55.2 82.8

39 37.8 28.6 43.0



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: 23.962 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Instrument :

MSVOA_D

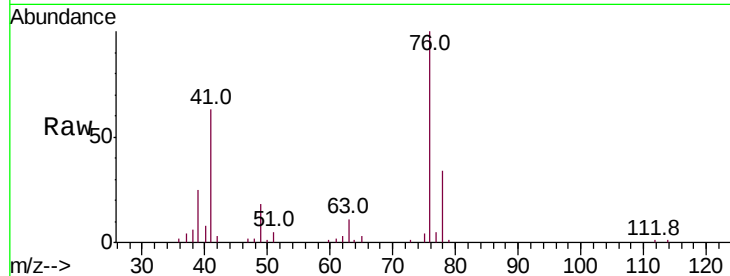
ClientSampleId :

Tot Ion: 76 Resp: 135410

Ion Ratio Lower Upper

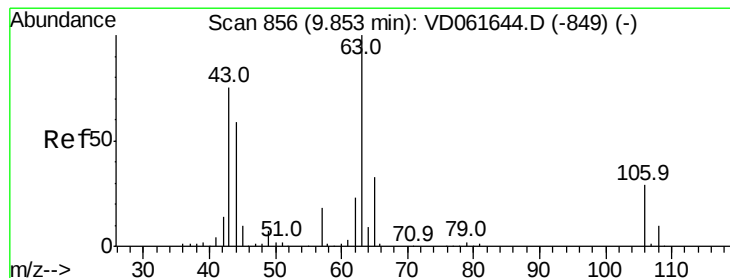
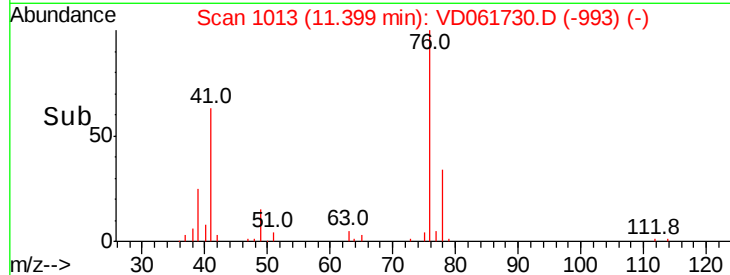
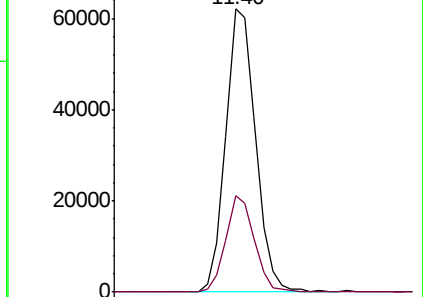
76 100

78 34.1 24.5 36.7



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 137.624 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD061730.D

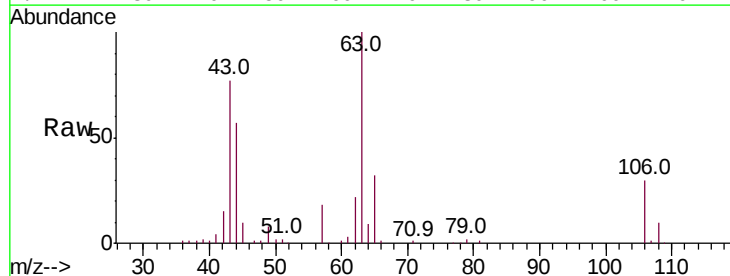
Acq: 11 Apr 2019 9:34

Tgt Ion: 63 Resp: 264348

Ion Ratio Lower Upper

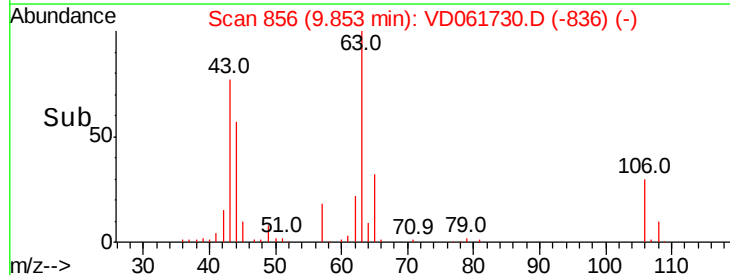
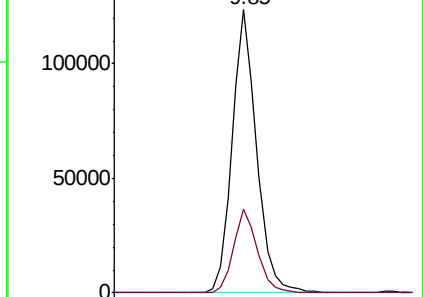
63 100

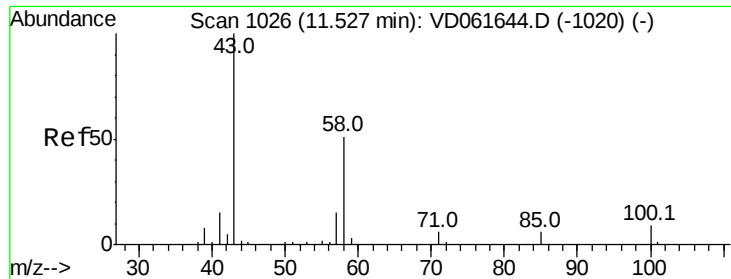
106 29.6 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

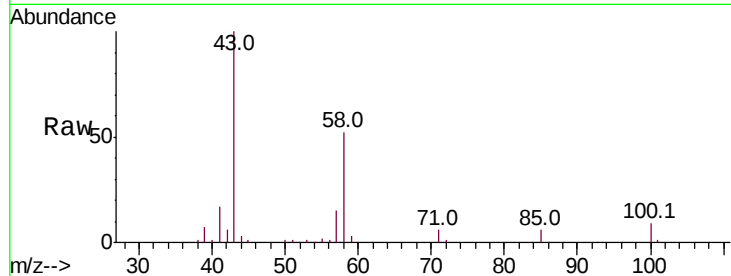




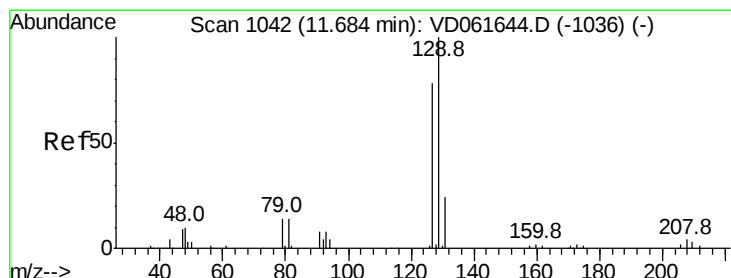
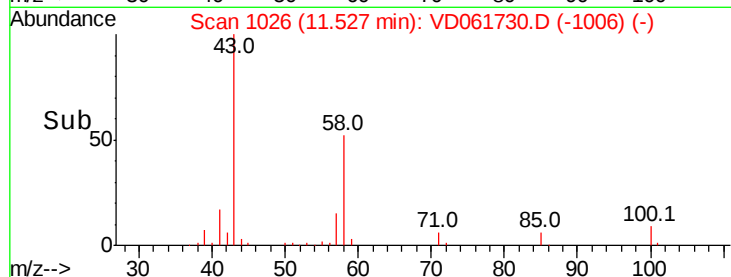
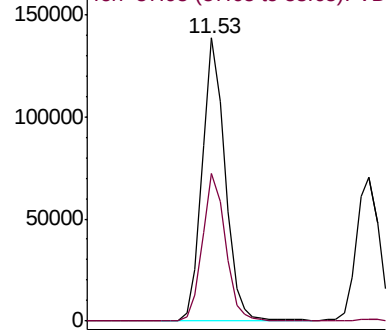
#59
2-Hexanone
Concen: 127.375 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 262468
Ion Ratio Lower Upper
43 100
58 52.1 25.6 76.8

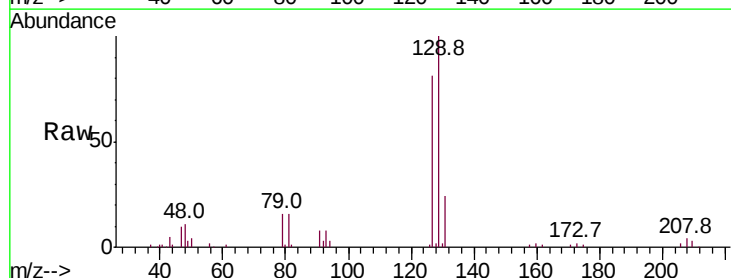


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

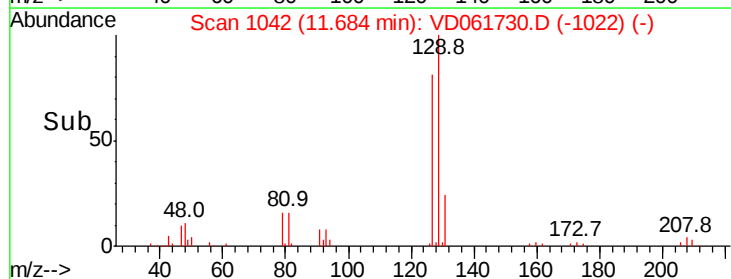
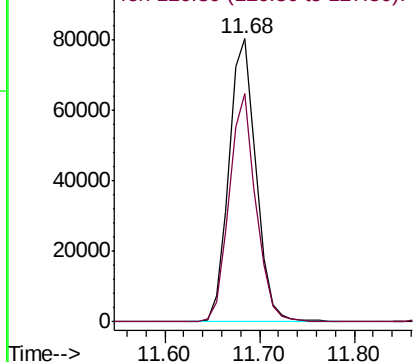


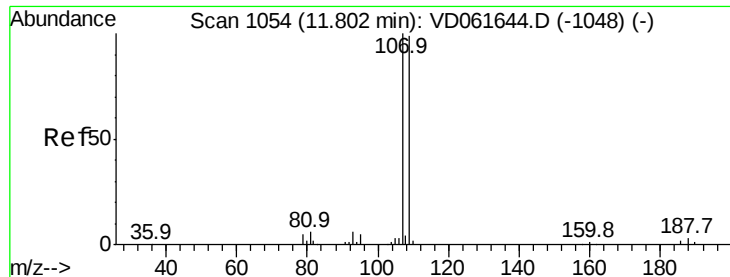
#60
Dibromochloromethane
Concen: 26.170 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Tgt Ion:129 Resp: 159550
Ion Ratio Lower Upper
129 100
127 80.9 38.8 116.4



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

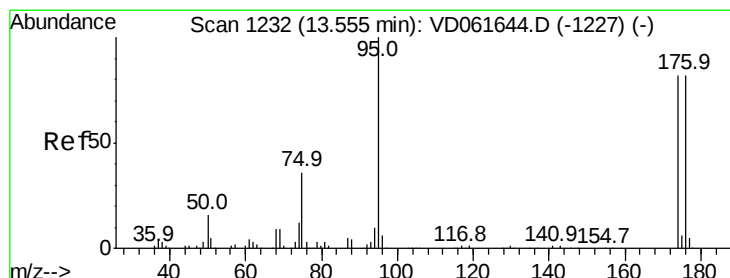
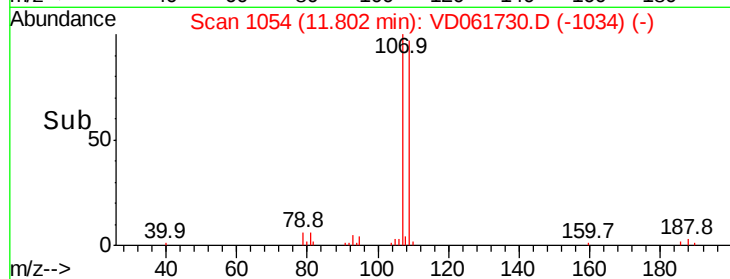
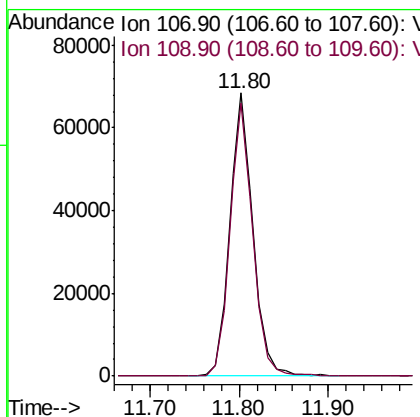
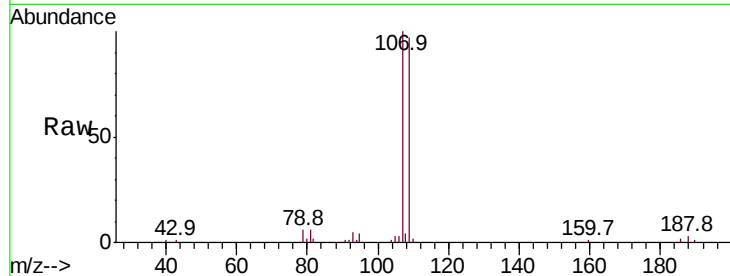




#61
 1,2-Dibromoethane
 Concen: 27.519 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

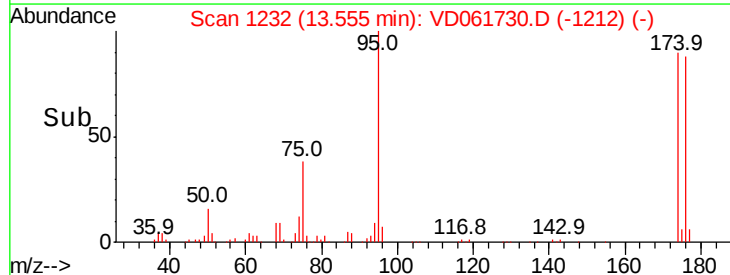
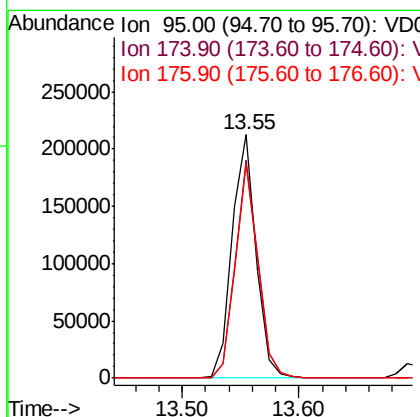
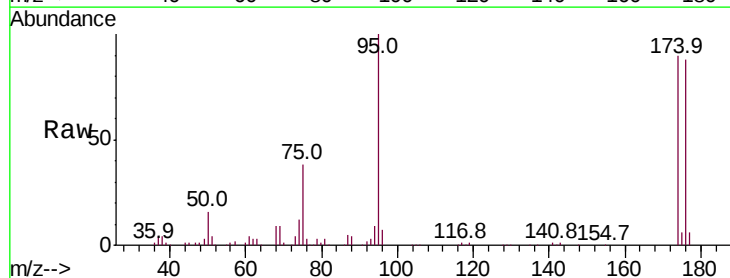
Instrument :
 MSVOA_D
 ClientSampleId :

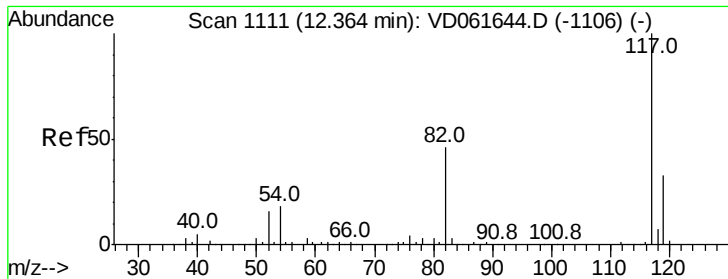
Tot Ion:107 Resp: 124188
 Ion Ratio Lower Upper
 107 100
 109 96.5 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 27.519 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

Tgt Ion: 95 Resp: 300255
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 164.6
 176 88.0 0.0 165.0

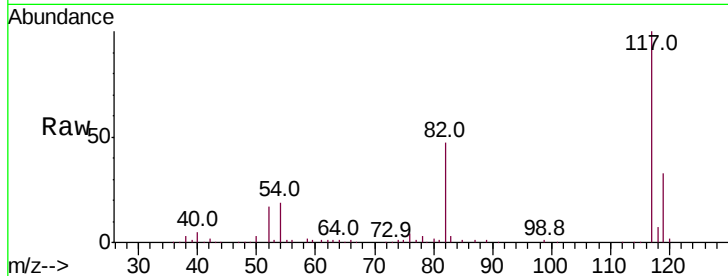




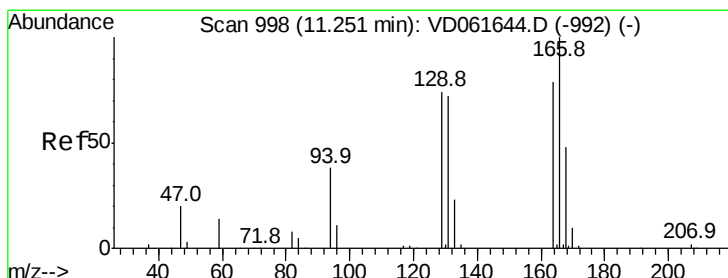
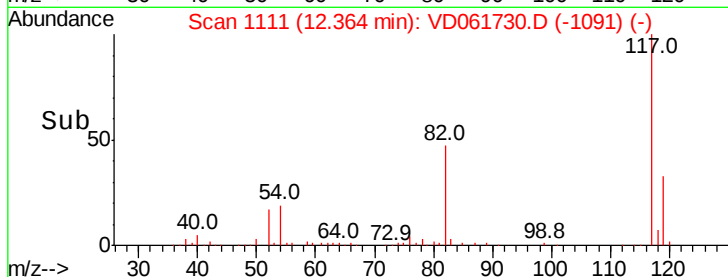
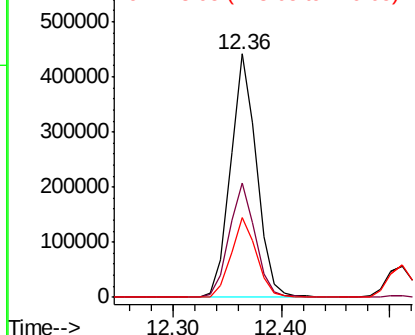
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 735590
Ion Ratio Lower Upper
117 100
82 47.0 36.8 55.2
119 32.9 26.1 39.1

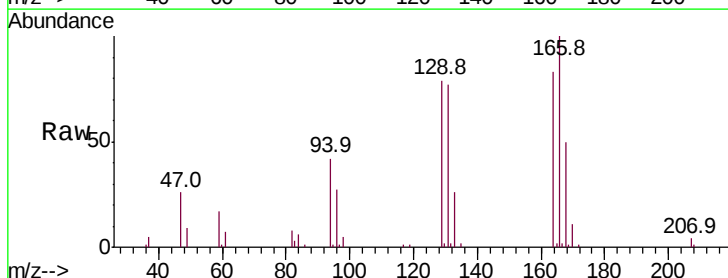


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

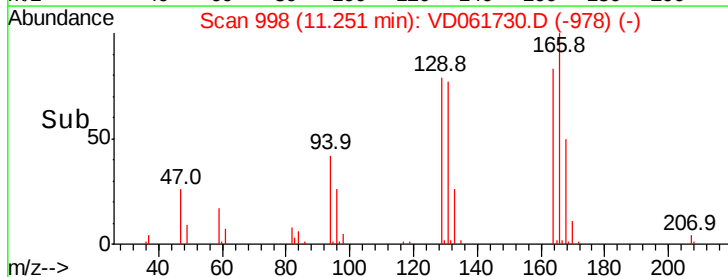
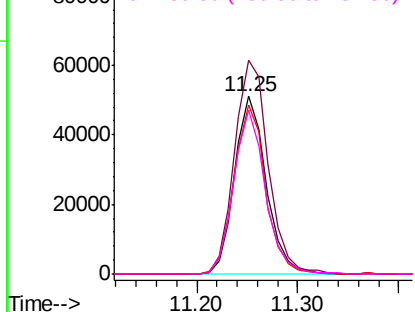


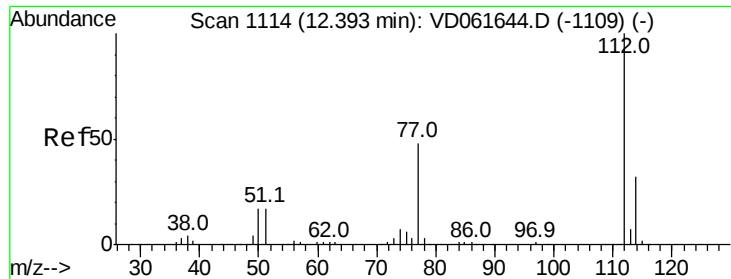
#64
Tetrachloroethene
Concen: 19.536 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Tgt Ion:164 Resp: 111551
Ion Ratio Lower Upper
164 100
166 120.2 101.8 152.8
129 94.9 75.4 113.0
131 92.1 73.6 110.4



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

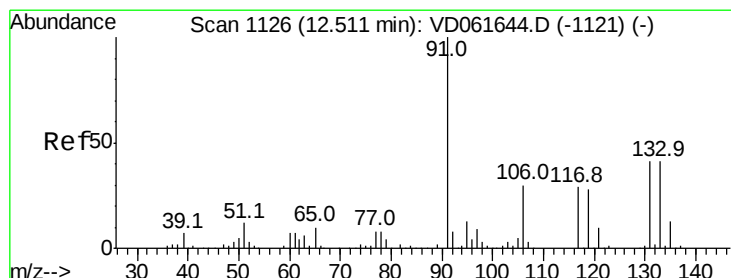
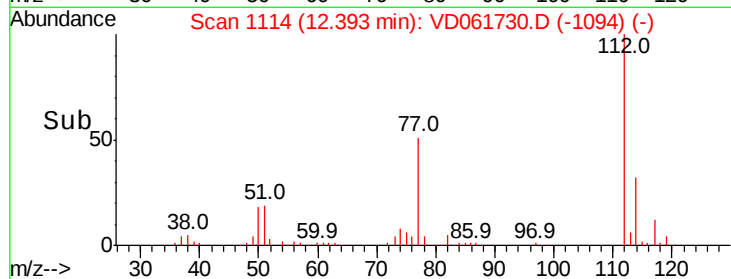
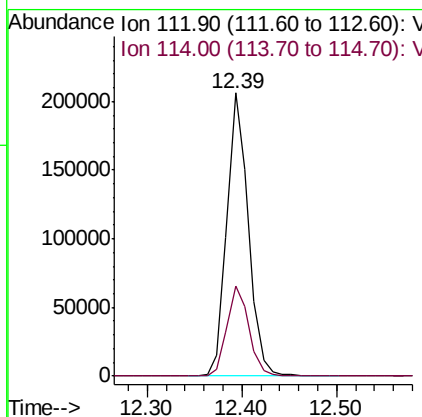
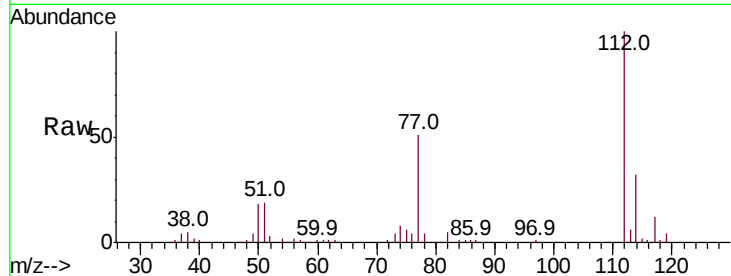




#65
Chlorobenzene
Concen: 22.197 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

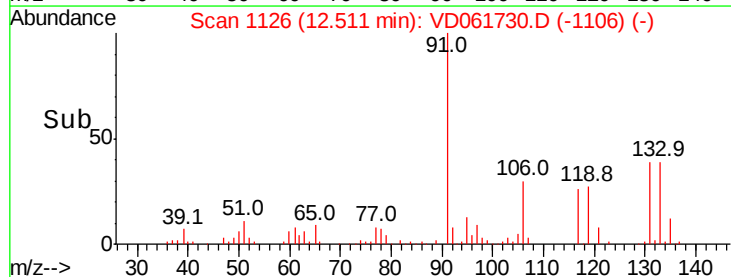
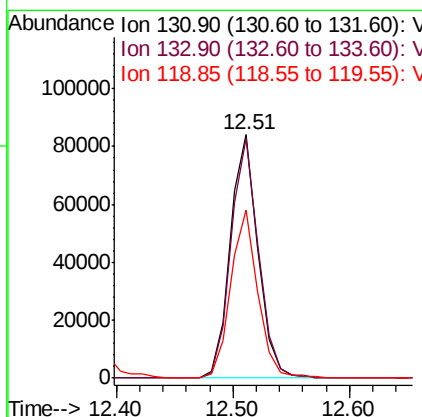
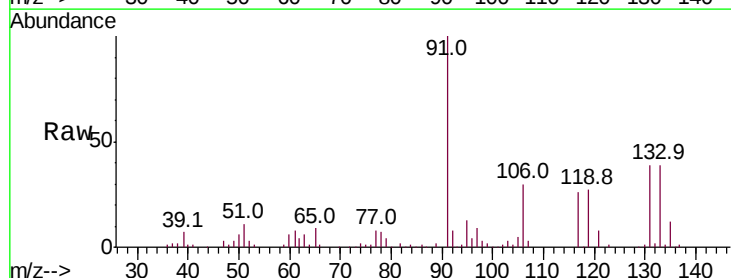
Instrument :
MSVOA_D
ClientSampleId :

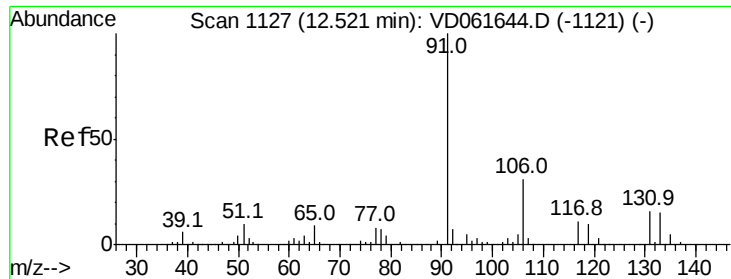
Tot Ion:112 Resp: 323804
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 24.576 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Tgt Ion:131 Resp: 137954
Ion Ratio Lower Upper
131 100
133 98.7 49.5 148.3
119 69.2 34.7 104.1

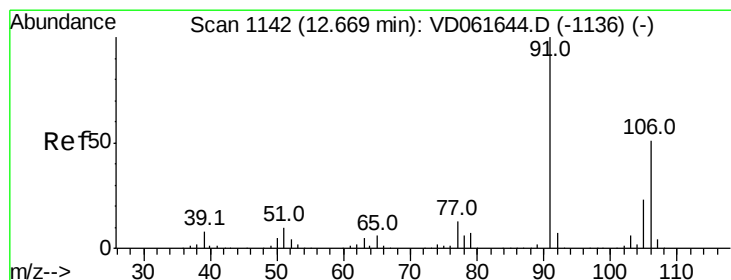
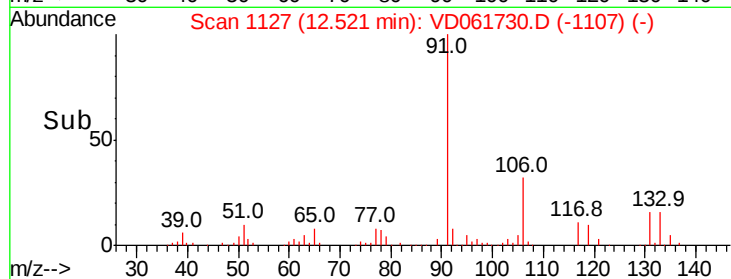
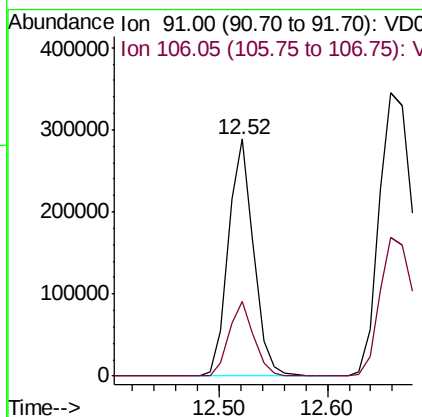
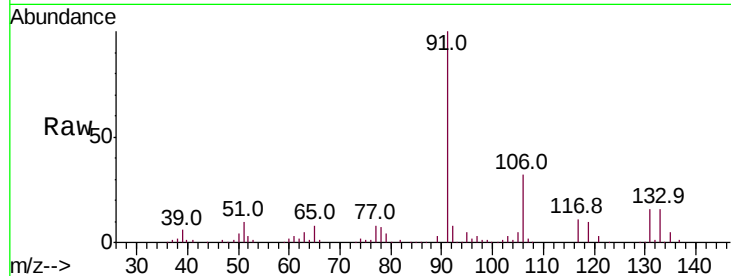




#67
Ethyl Benzene
Concen: 21.080 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

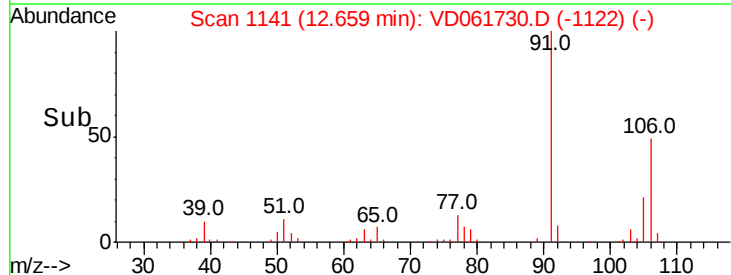
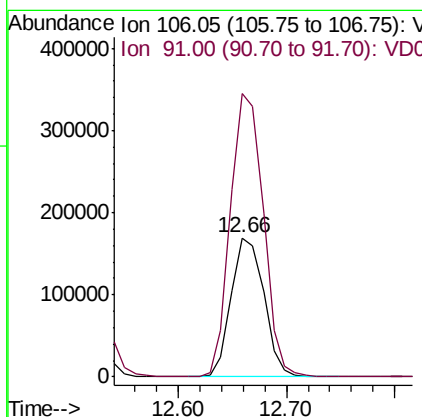
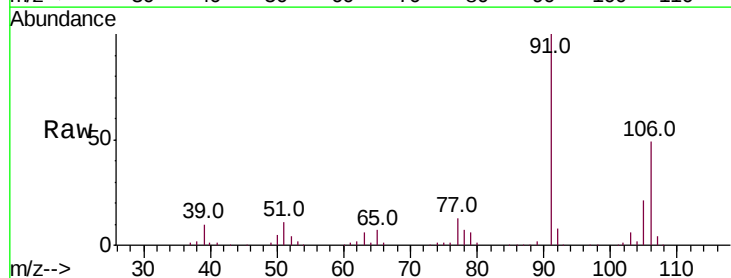
Instrument :
MSVOA_D
ClientSampled :

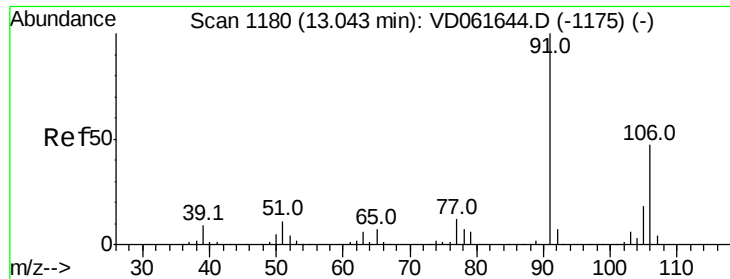
Tot Ion: 91 Resp: 468276
Ion Ratio Lower Upper
91 100
106 31.7 24.6 37.0



#68
m/p-Xylenes
Concen: 41.843 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Tgt Ion: 106 Resp: 358341
Ion Ratio Lower Upper
106 100
91 204.0 156.7 235.1

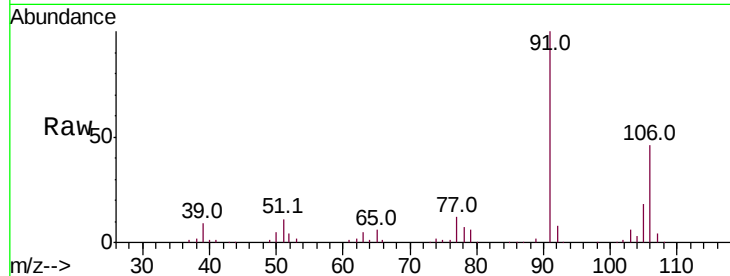




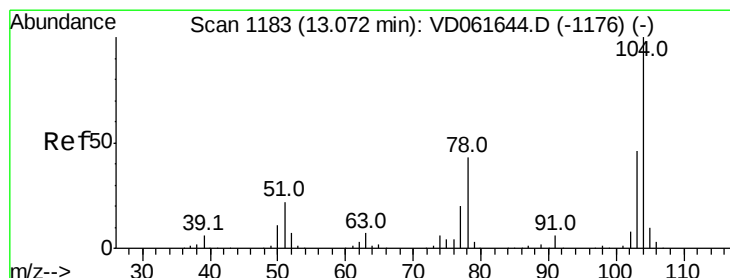
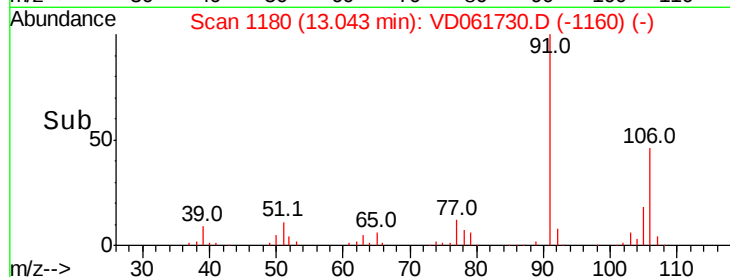
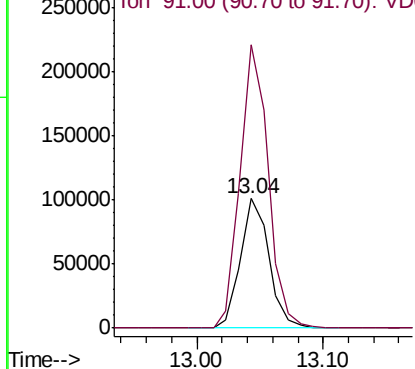
#69
o-Xylene
Concen: 19.088 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 157801
Ion Ratio Lower Upper
106 100
91 219.1 107.3 321.9

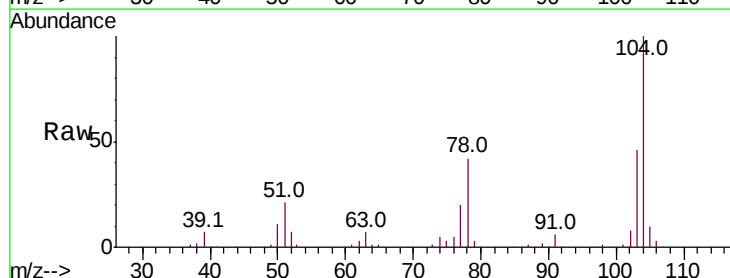


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

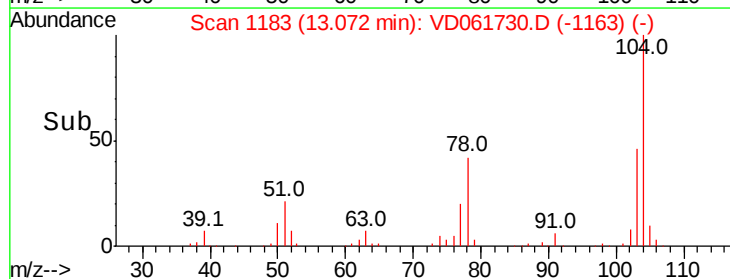
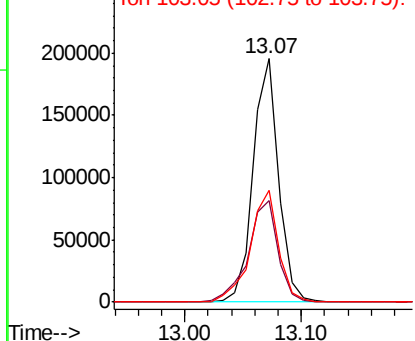


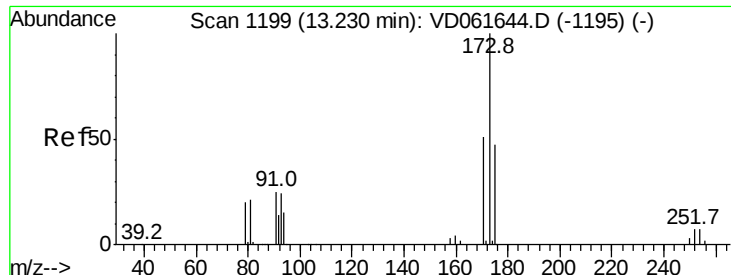
#70
Styrene
Concen: 20.836 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Tgt Ion:104 Resp: 294159
Ion Ratio Lower Upper
104 100
78 42.0 34.2 51.4
103 46.1 37.2 55.8



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

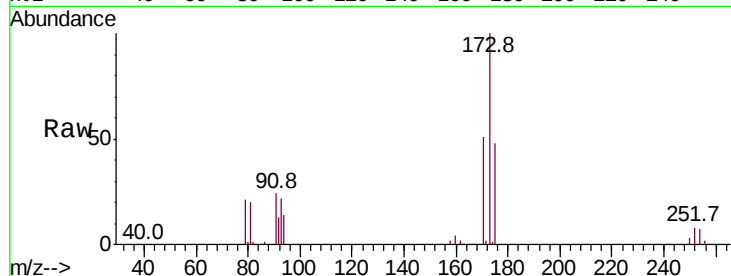




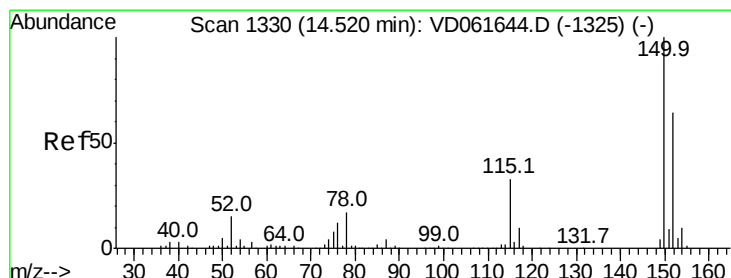
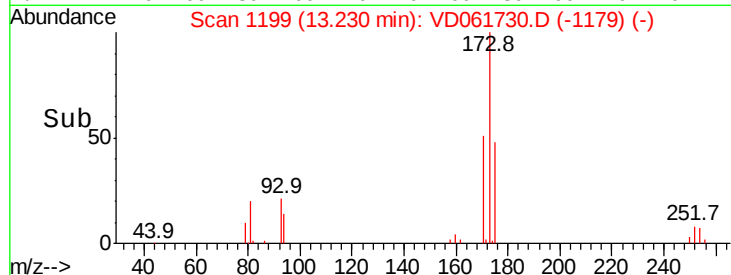
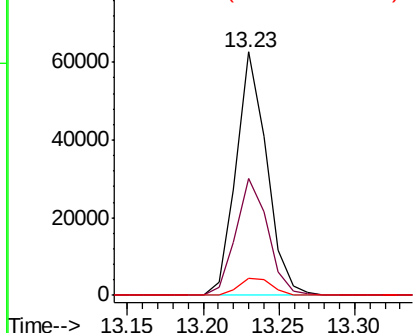
#71
Bromoform
Concen: 25.290 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 88081
Ion Ratio Lower Upper
173 100
175 47.8 23.7 71.1
254 7.1 5.8 8.6

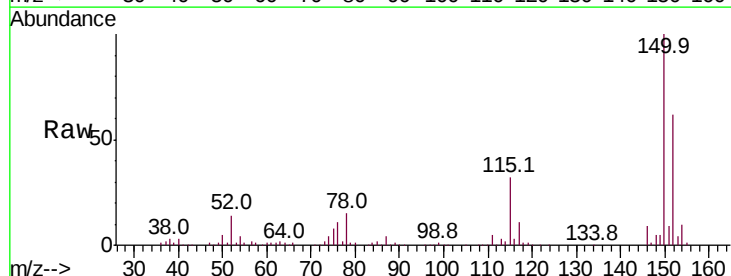


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

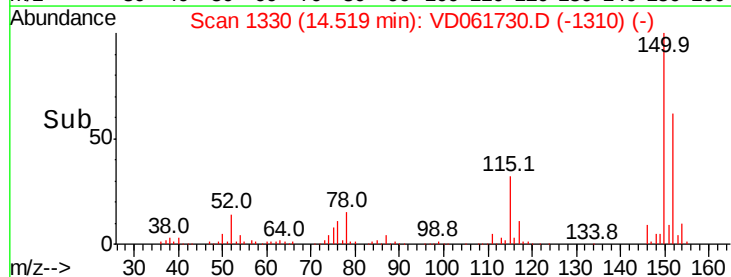
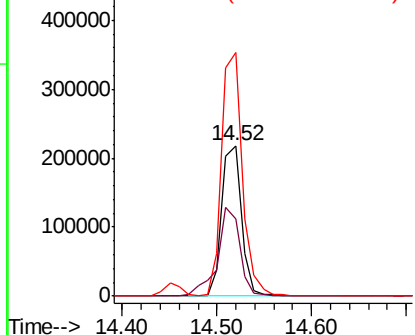


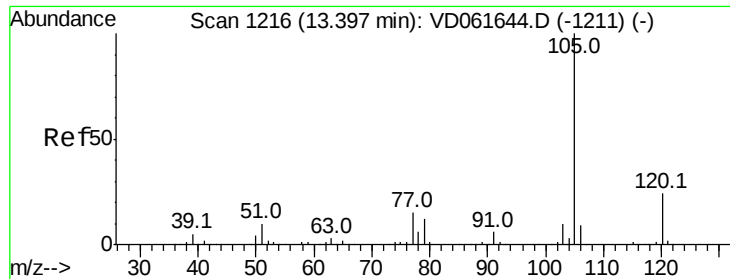
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Tgt Ion:152 Resp: 318378
Ion Ratio Lower Upper
152 100
115 51.2 26.4 79.2
150 161.6 0.0 320.6



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: 19.992 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Instrument :

MSVOA_D

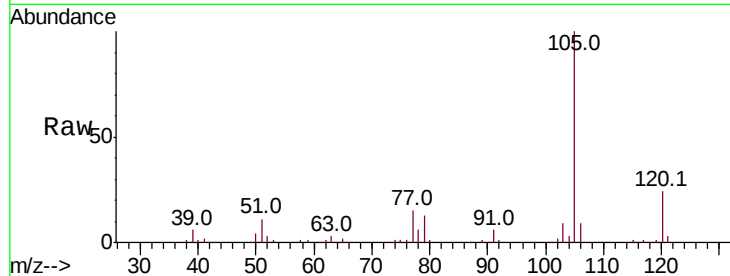
ClientSampleId :

Tot Ion:105 Resp: 424110

Ion Ratio Lower Upper

105 100

120 23.6 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

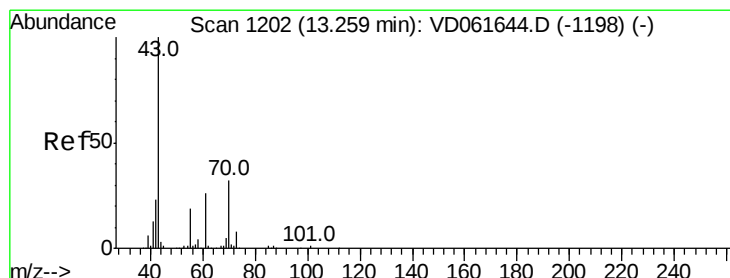
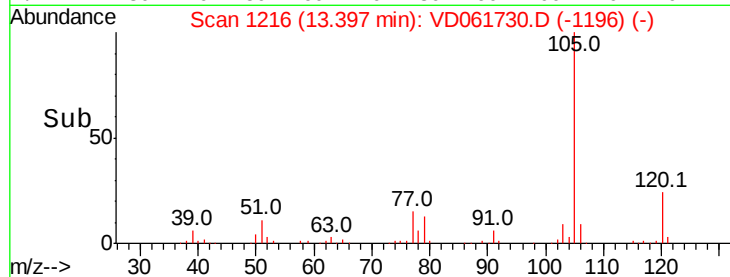
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 25.219 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Tgt Ion: 43 Resp: 145358

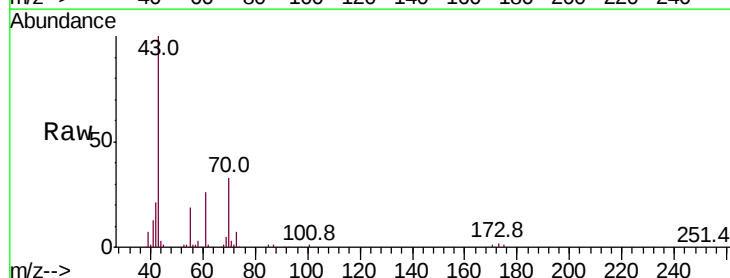
Ion Ratio Lower Upper

43 100

70 33.1 25.4 38.2

55 19.1 15.0 22.4

61 25.7 20.9 31.3



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

13.26

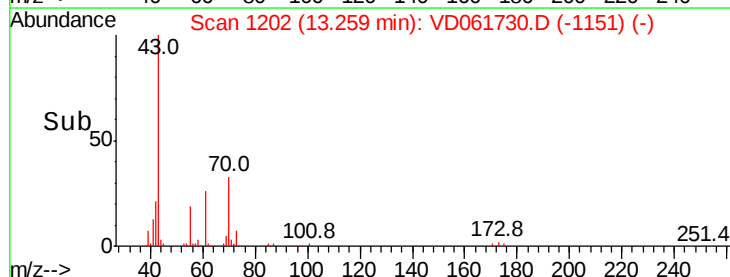
150000

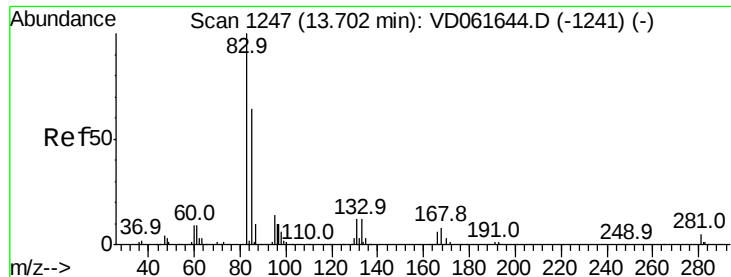
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 27.452 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Instrument :

MSVOA_D

ClientSampleId :

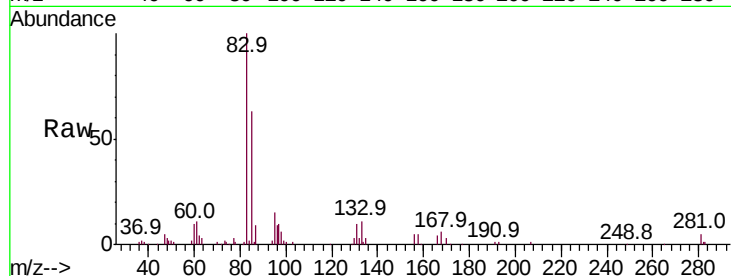
Tot Ion: 83 Resp: 120414

Ion Ratio Lower Upper

83 100

131 9.6 5.9 17.6

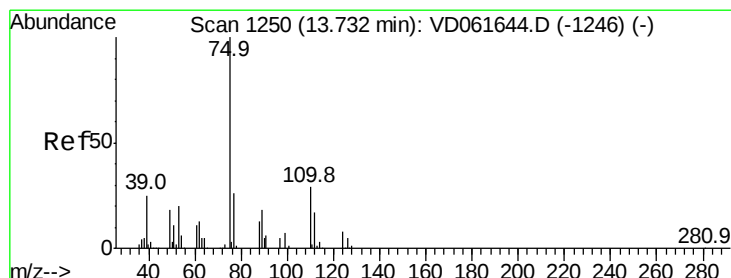
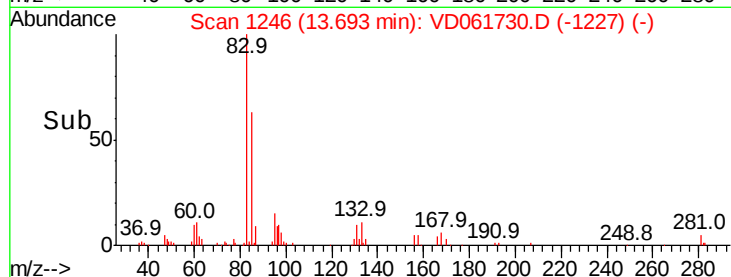
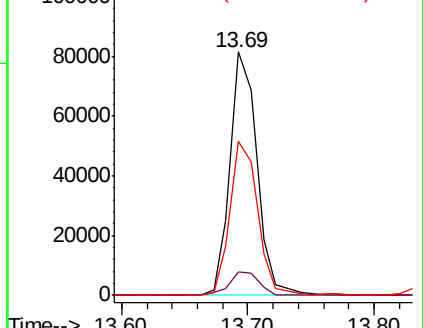
85 63.5 32.0 96.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 27.392 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061730.D

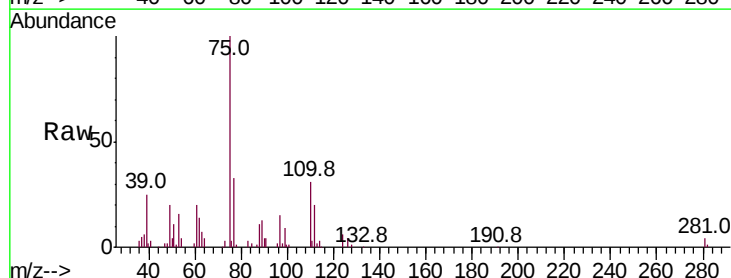
Acq: 11 Apr 2019 9:34

Tgt Ion: 75 Resp: 118651

Ion Ratio Lower Upper

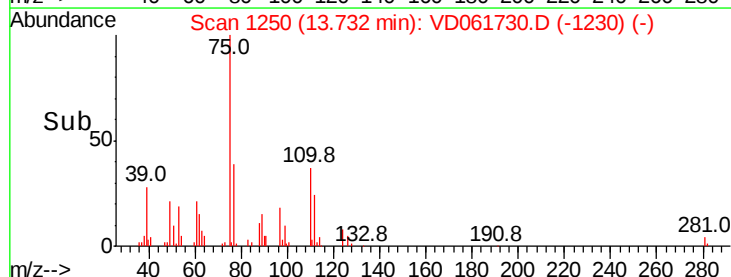
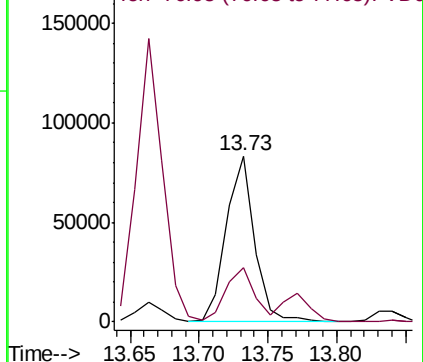
75 100

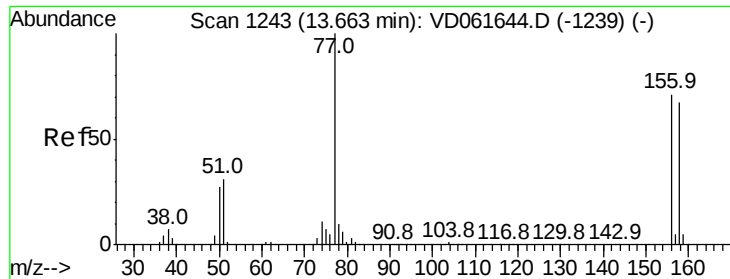
77 33.0 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

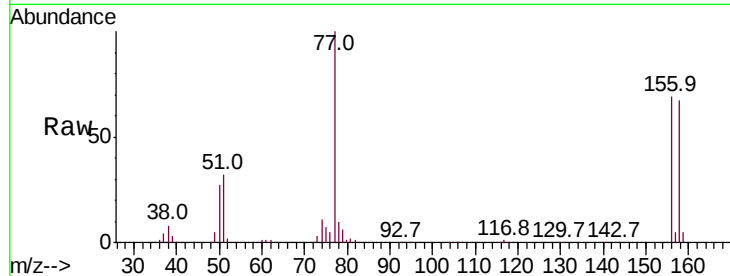




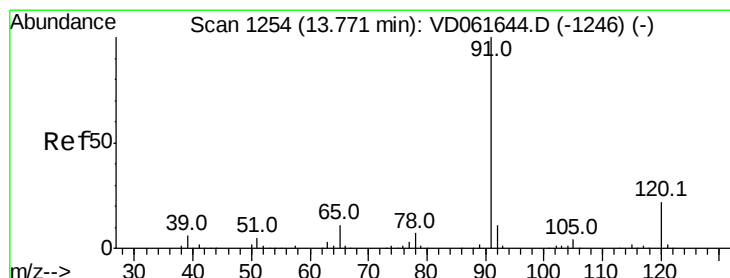
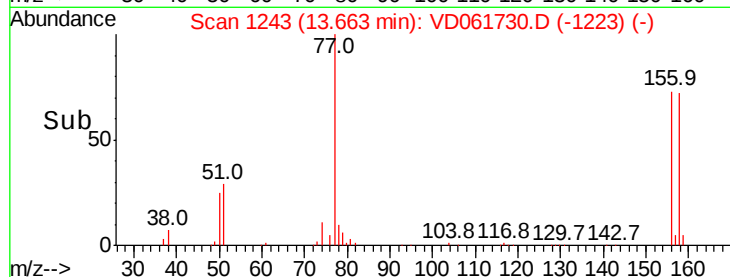
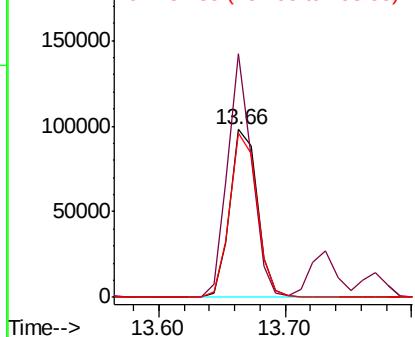
#77
Bromobenzene
Concen: 23.835 ug/l
RT: 13.66 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 146768
Ion Ratio Lower Upper
156 100
77 145.1 70.3 210.8
158 97.9 47.4 142.2

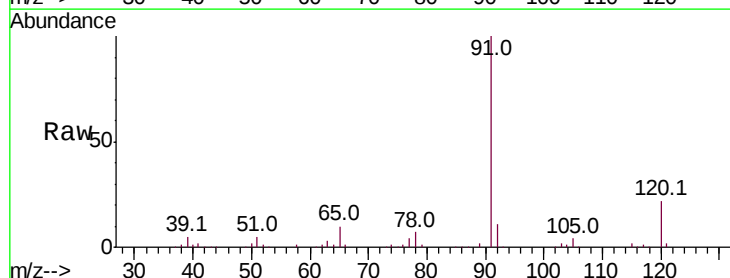


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

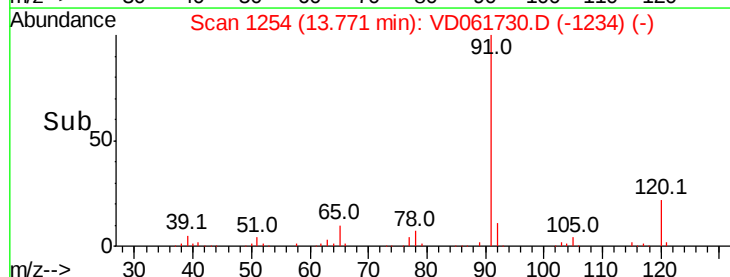
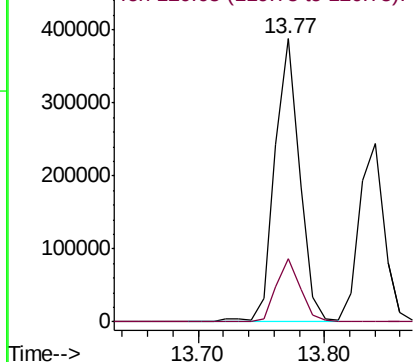


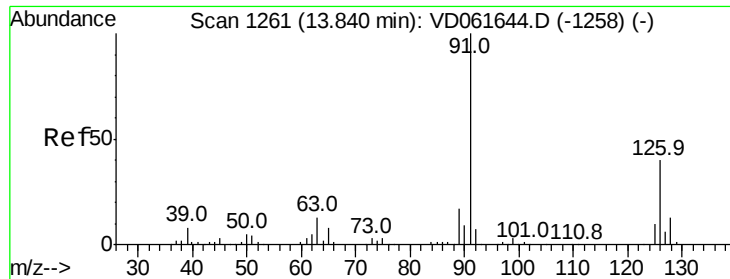
#78
n-propylbenzene
Concen: 20.929 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Tgt Ion: 91 Resp: 531103
Ion Ratio Lower Upper
91 100
120 22.2 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

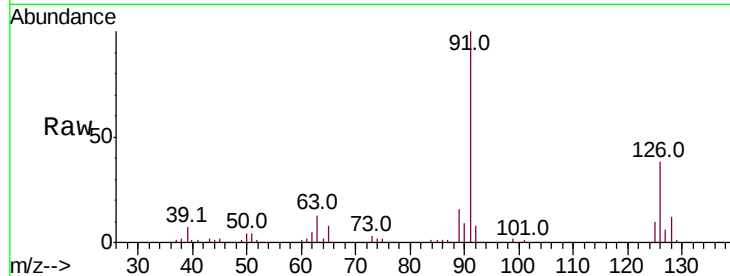




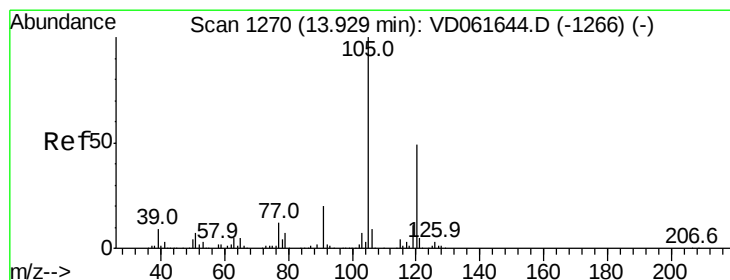
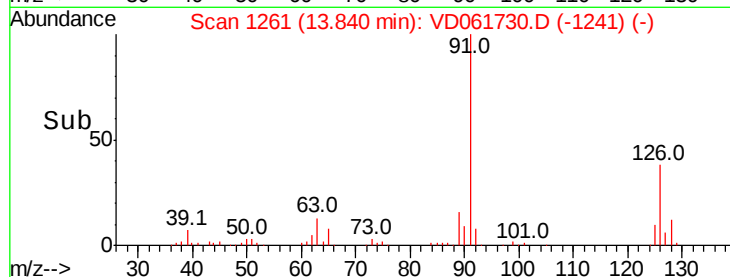
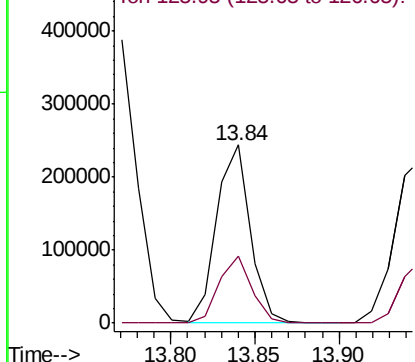
#79
2-Chlorotoluene
Concen: 23.381 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 339292
Ion Ratio Lower Upper
91 100
126 38.0 20.0 59.9

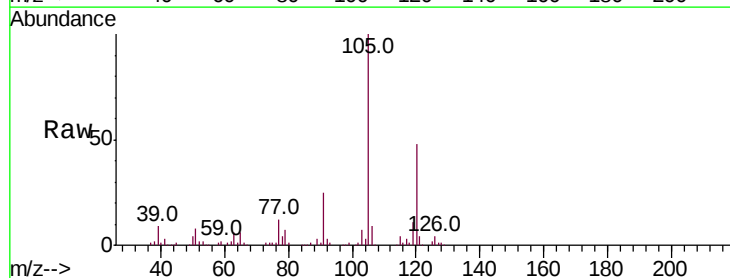


Abundance Ion 91.00 (90.70 to 91.70): VD061644.D (-1258) (-)
Ion 125.95 (125.65 to 126.65): VD061644.D (-1258) (-)

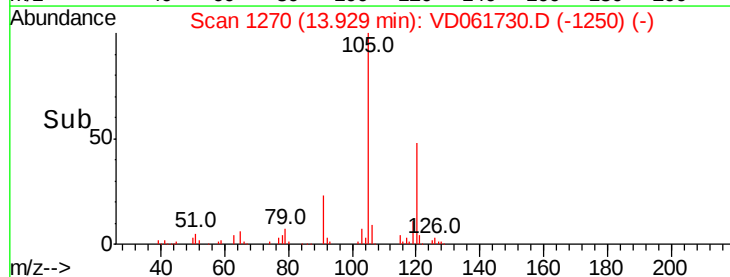
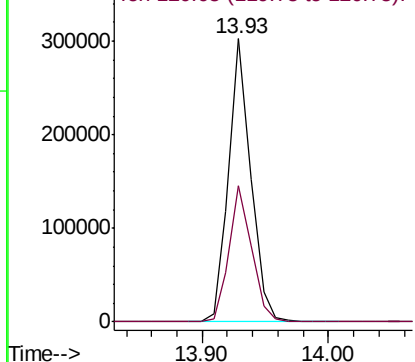


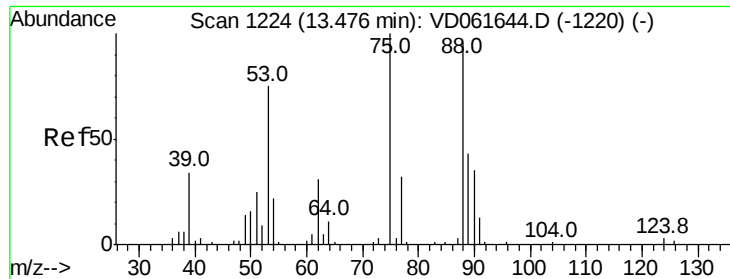
#80
1,3,5-Trimethylbenzene
Concen: 21.786 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Tgt Ion: 105 Resp: 366833
Ion Ratio Lower Upper
105 100
120 48.2 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): VD061644.D (-1266) (-)
Ion 120.05 (119.75 to 120.75): VD061644.D (-1266) (-)

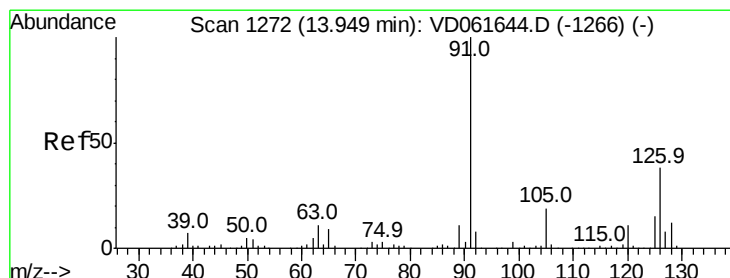
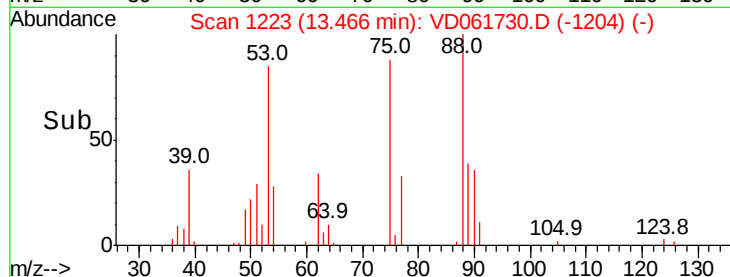
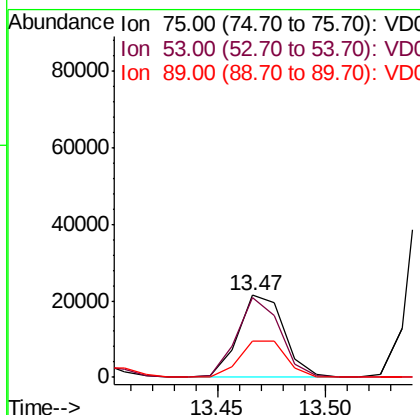
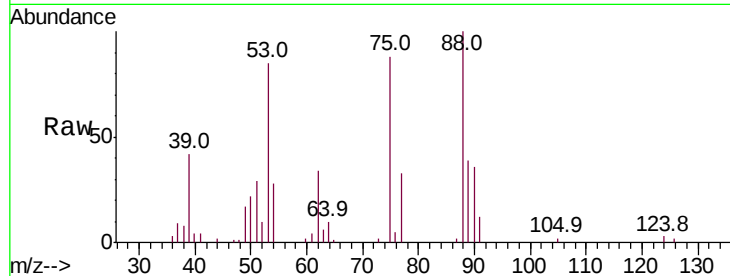




#81
trans-1,4-Dichloro-2-butene
Concen: 24.428 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

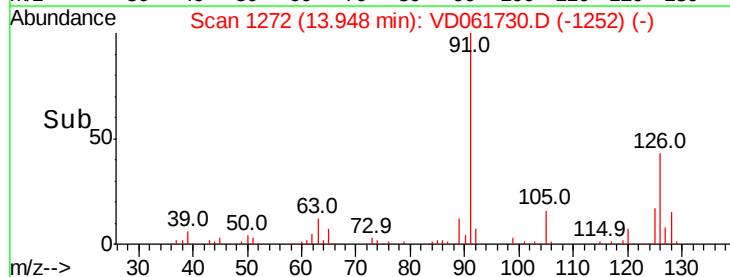
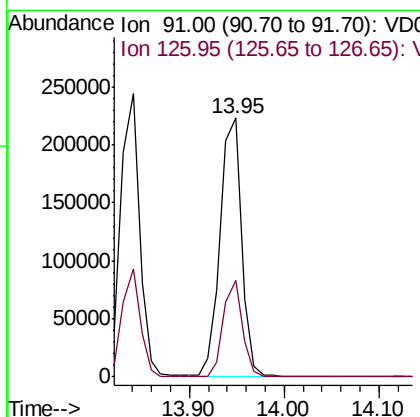
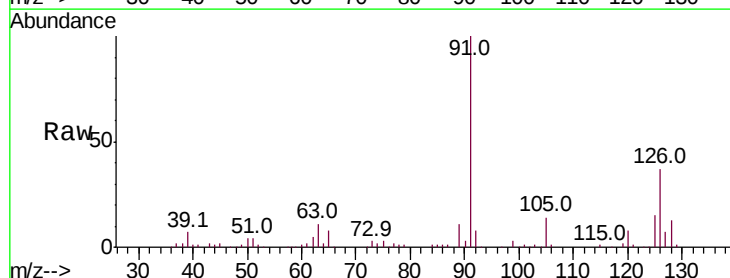
Instrument :
MSVOA_D
ClientSampleId :

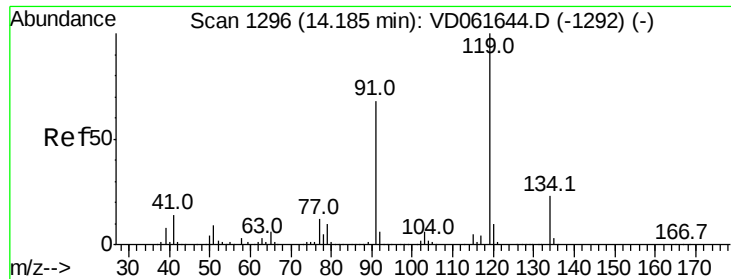
Tot Ion: 75 Resp: 32109
Ion Ratio Lower Upper
75 100
53 96.8 60.2 90.2#
89 44.2 34.2 51.2



#82
4-Chlorotoluene
Concen: 22.271 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Tgt Ion: 91 Resp: 354136
Ion Ratio Lower Upper
91 100
126 37.2 19.0 57.0





#83

tert-Butylbenzene

Concen: 18.887 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Instrument :

MSVOA_D

ClientSampleId :

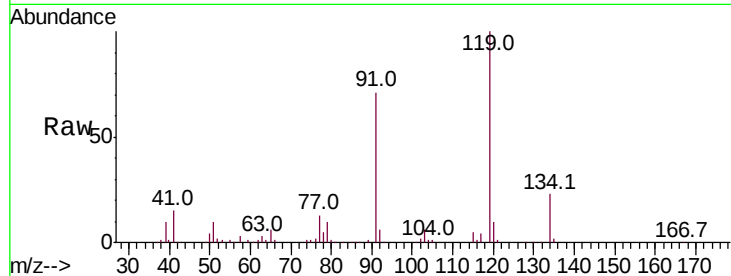
Tot Ion:119 Resp: 383440

Ion Ratio Lower Upper

119 100

91 71.1 33.9 101.6

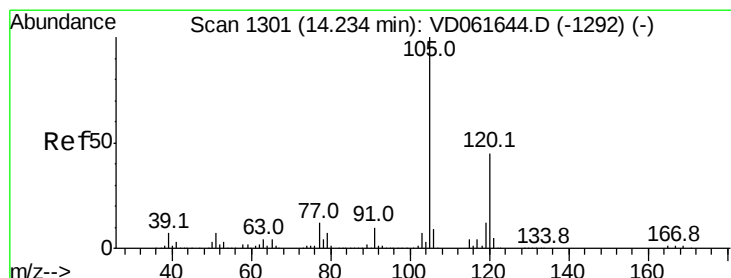
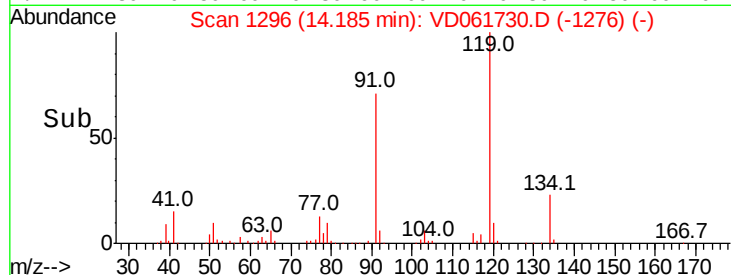
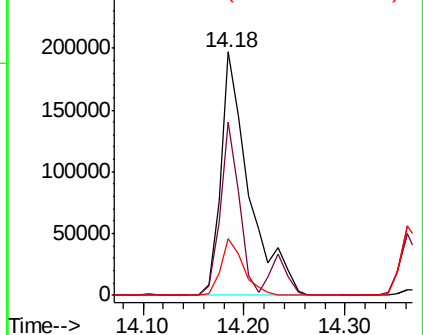
134 23.2 11.6 34.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.058 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD061730.D

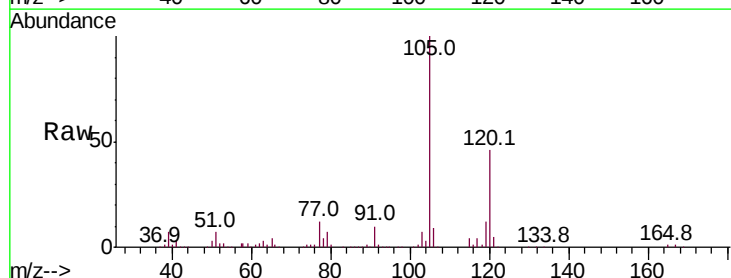
Acq: 11 Apr 2019 9:34

Tgt Ion:105 Resp: 391830

Ion Ratio Lower Upper

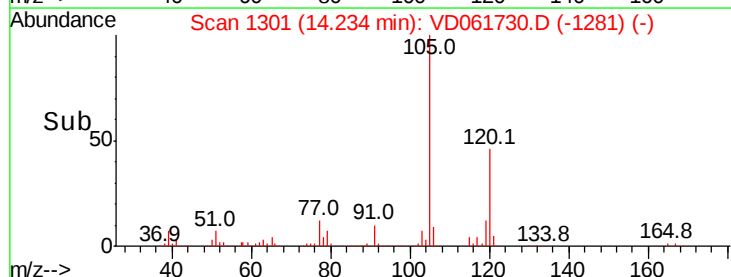
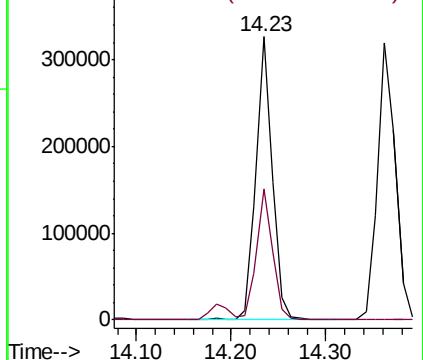
105 100

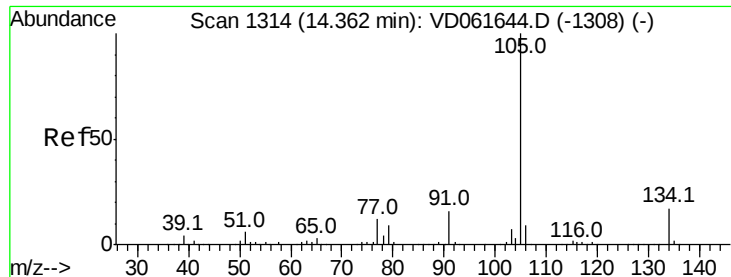
120 46.3 22.6 67.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

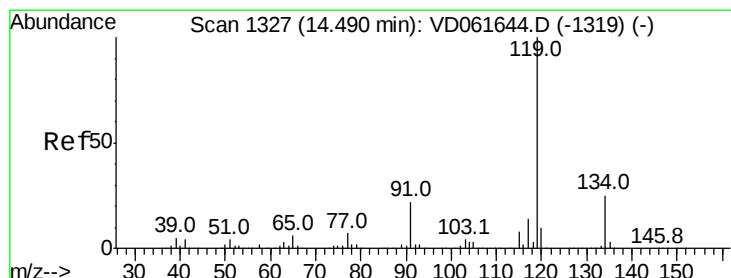
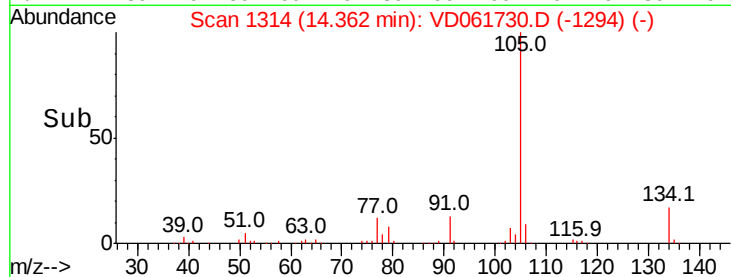
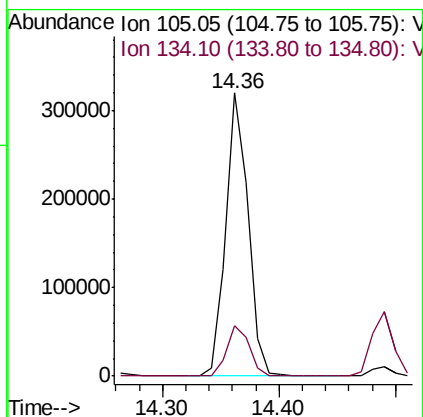
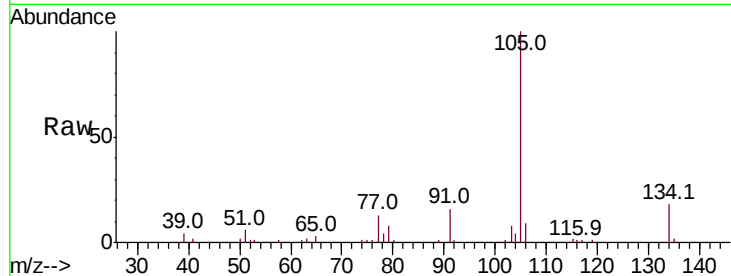




#85
 sec-Butylbenzene
 Concen: 19.357 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

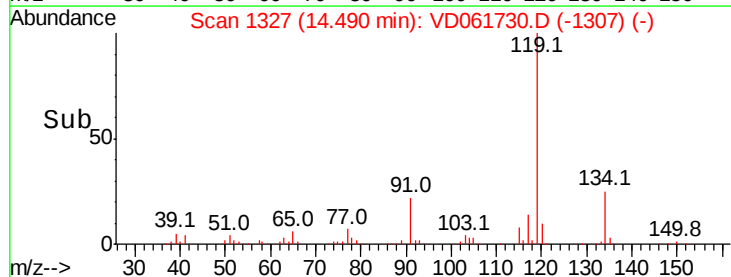
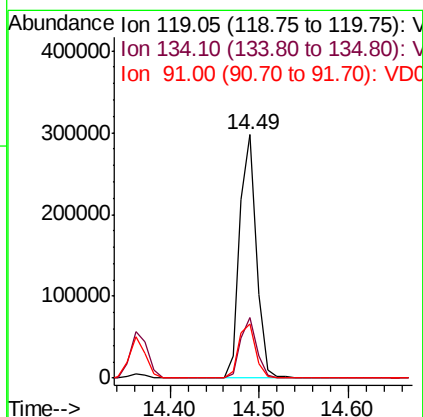
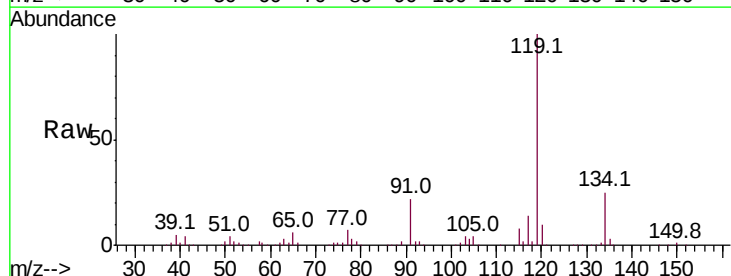
Instrument :
 MSVOA_D
 ClientSampleId :

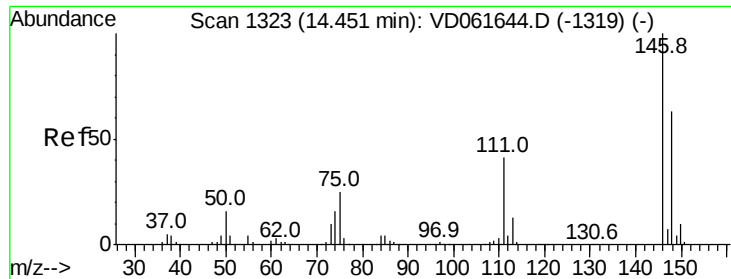
Tot Ion:105 Resp: 424573
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 20.598 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

Tgt Ion:119 Resp: 391933
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.5 37.5
 91 22.4 11.0 33.0

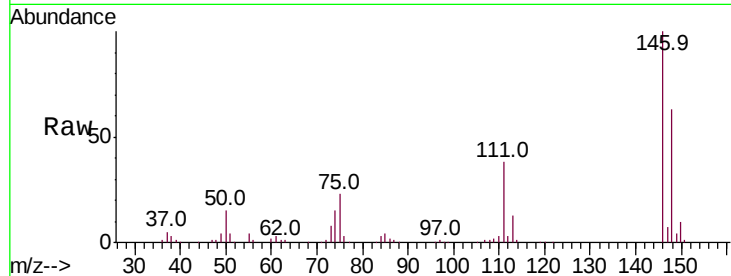




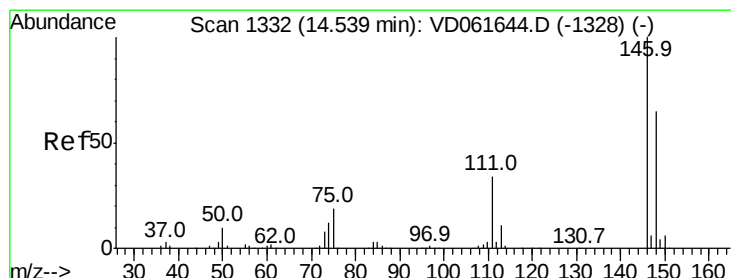
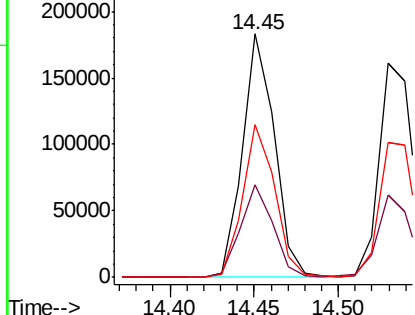
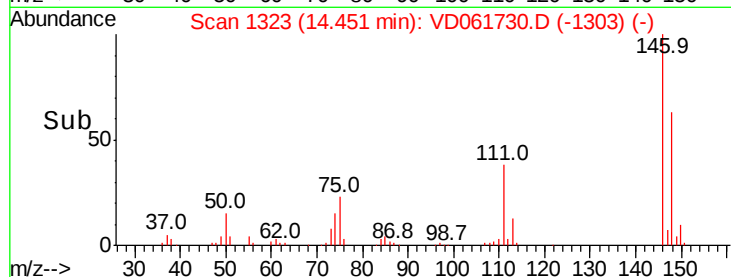
#87
 1,3-Dichlorobenzene
 Concen: 22.720 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.3	61.0
148	63.0	31.7	95.1

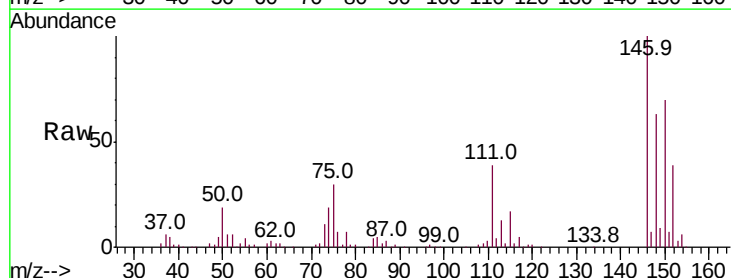


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

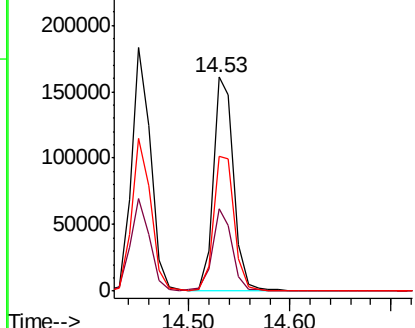
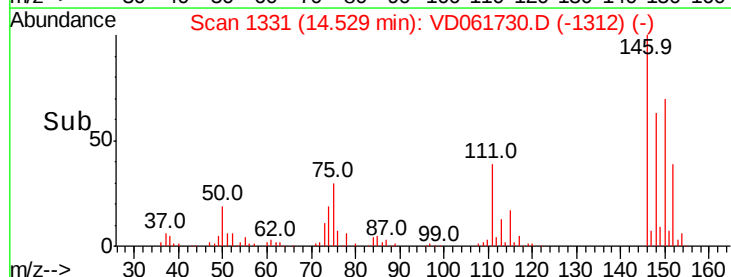


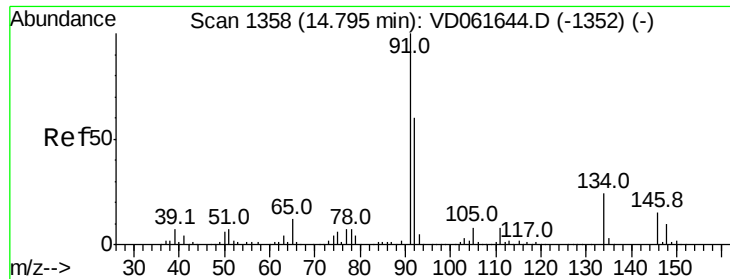
#88
 1,4-Dichlorobenzene
 Concen: 21.304 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	17.1	51.2
148	63.1	32.6	97.7



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





#89

n-Butylbenzene

Concen: 21.042 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061730.D

Acq: 11 Apr 2019 9:34

Instrument :

MSVOA_D

ClientSampleId :

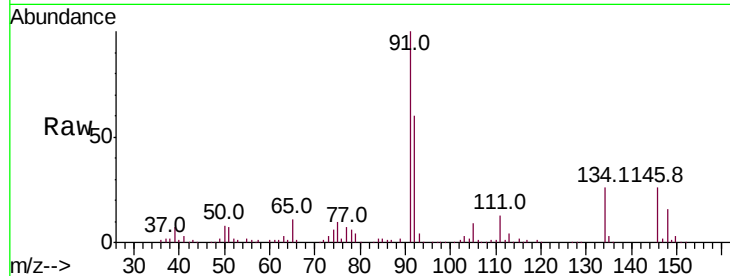
Tot Ion: 91 Resp: 348013

Ion	Ratio	Lower	Upper
91	100		
92	60.1	29.8	89.4
134	26.1	12.2	36.4

91 100

92 60.1 29.8 89.4

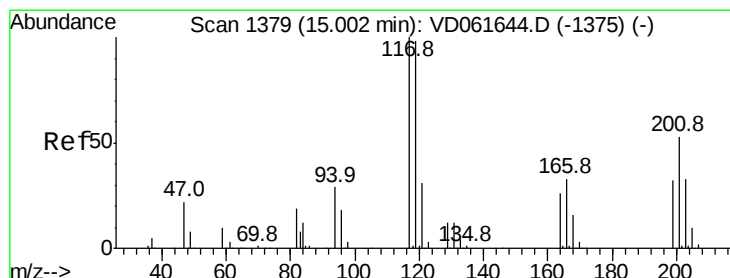
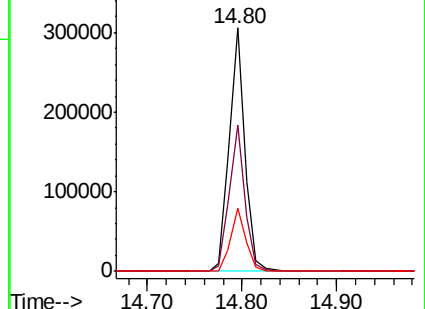
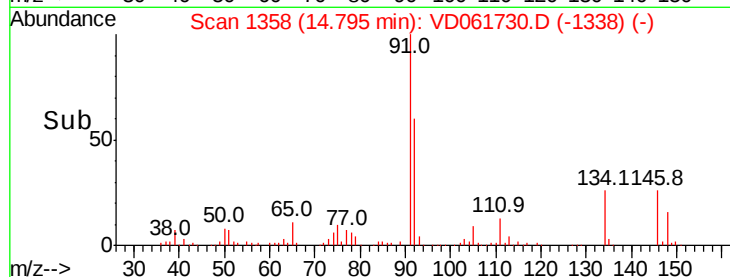
134 26.1 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.866 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD061730.D

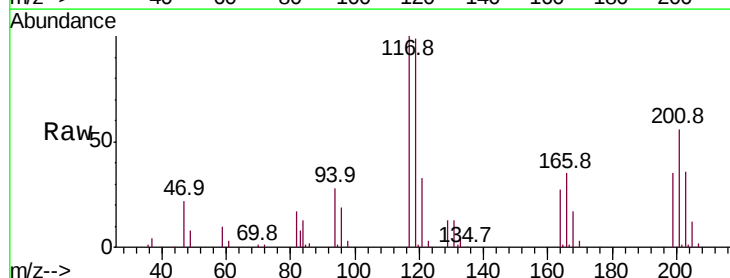
Acq: 11 Apr 2019 9:34

Tgt Ion: 117 Resp: 107733

Ion	Ratio	Lower	Upper
117	100		
201	55.5	26.3	78.8

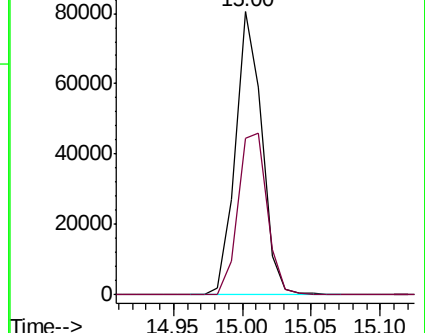
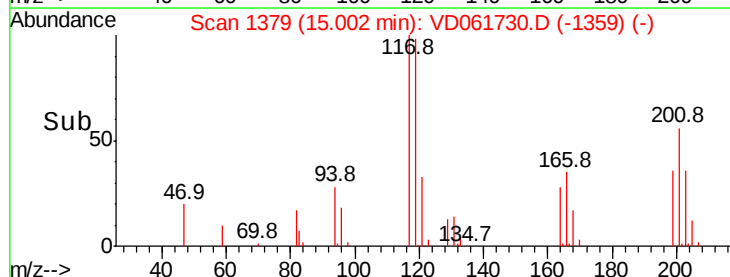
117 100

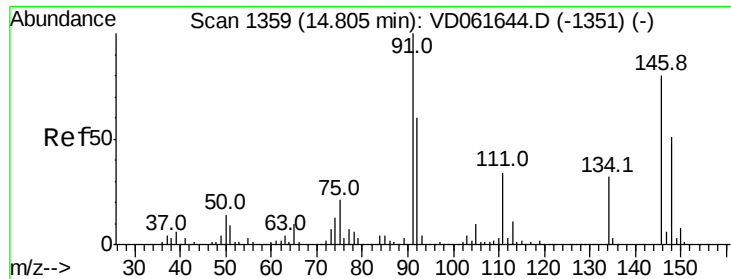
201 55.5 26.3 78.8



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

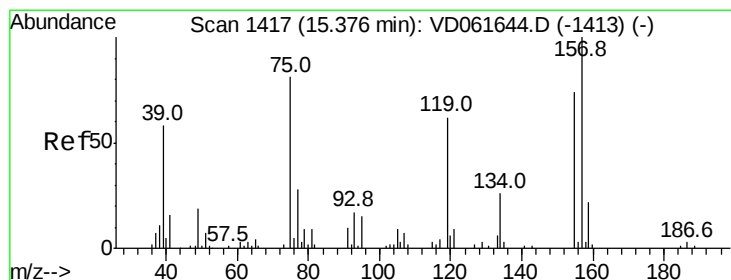
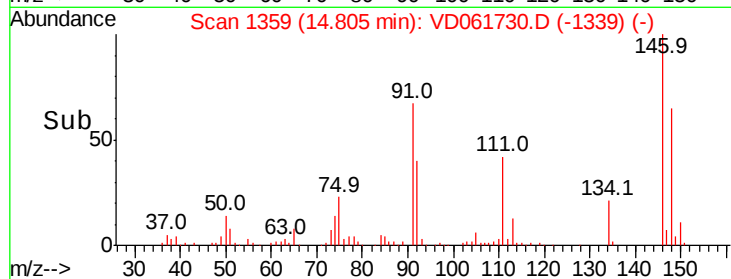
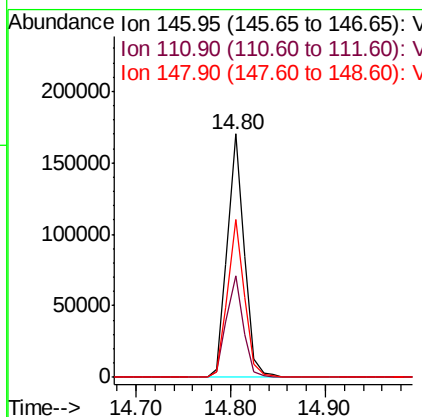
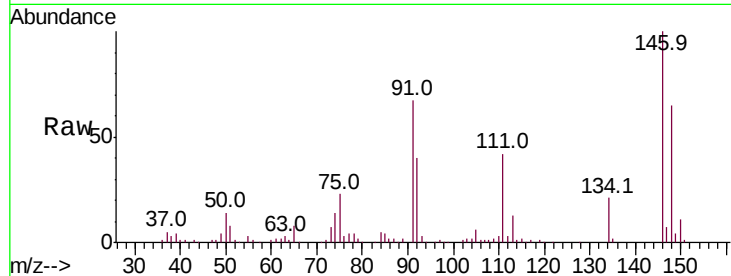




#91
 1,2-Dichlorobenzene
 Concen: 24.307 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

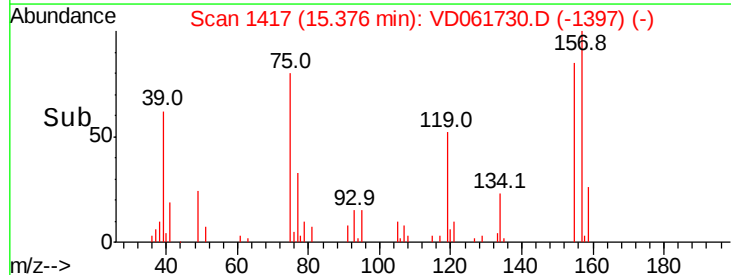
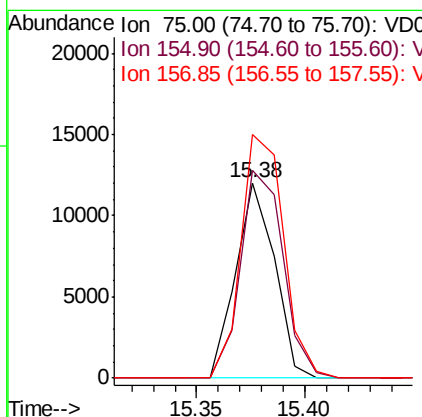
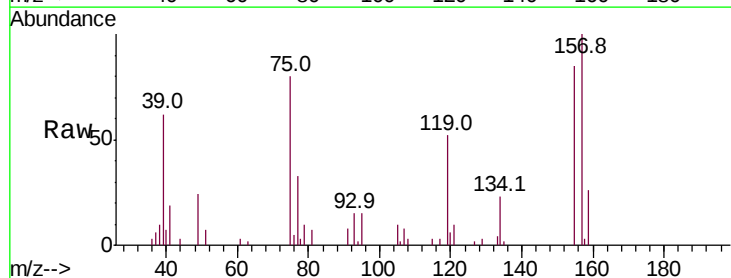
Instrument :
 MSVOA_D
 ClientSampleId :

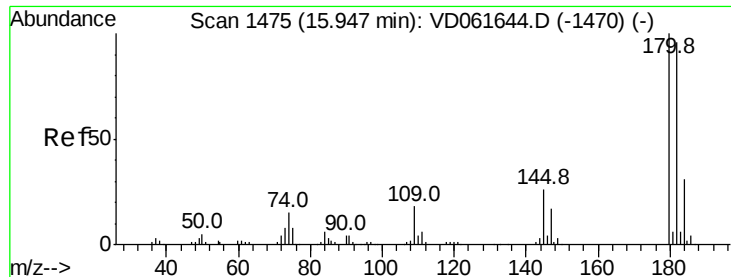
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.3
148	64.7	31.7	95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 28.616 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.4	45.6	136.7
157	124.7	61.4	184.2

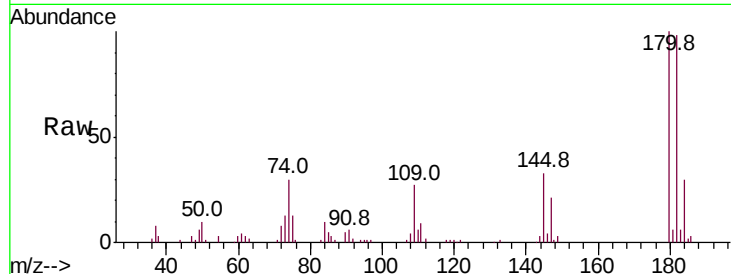




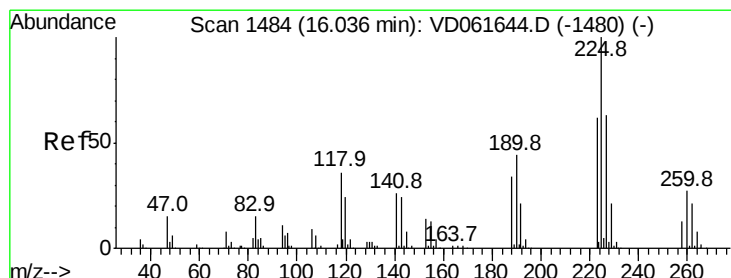
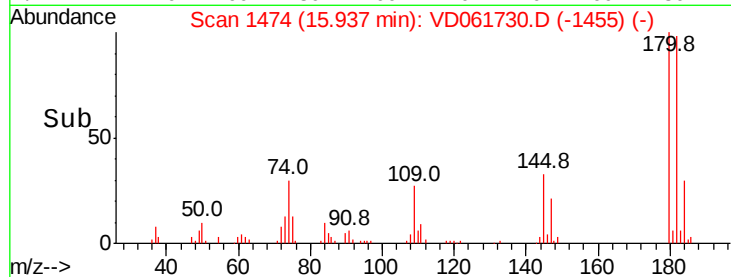
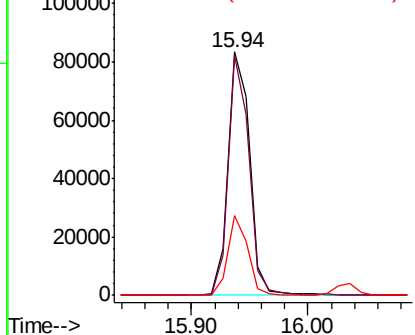
#93
 1,2,4-Trichlorobenzene
 Concen: 24.129 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 107368
 Ion Ratio Lower Upper
 180 100
 182 98.3 47.8 143.3
 145 32.8 13.3 39.8

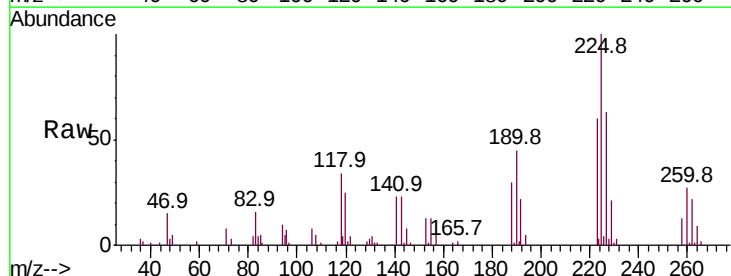


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

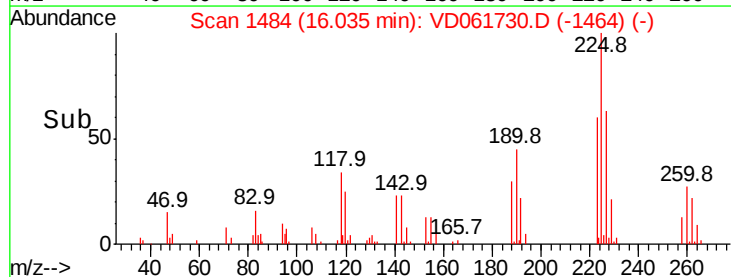
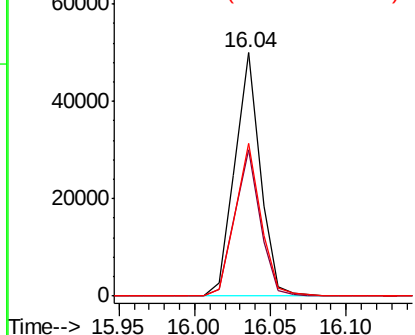


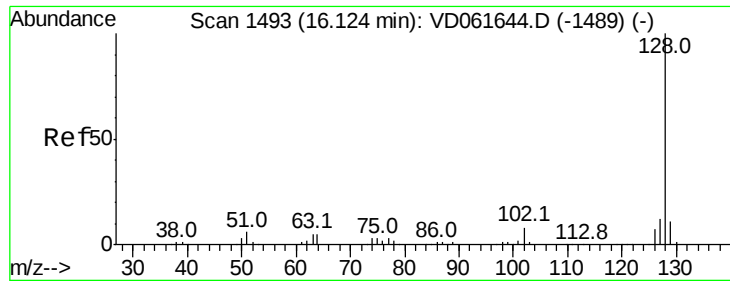
#94
 Hexachlorobutadiene
 Concen: 16.985 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061730.D
 Acq: 11 Apr 2019 9:34

Tgt Ion:225 Resp: 58358
 Ion Ratio Lower Upper
 225 100
 223 59.9 30.8 92.3
 227 62.5 31.5 94.5



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

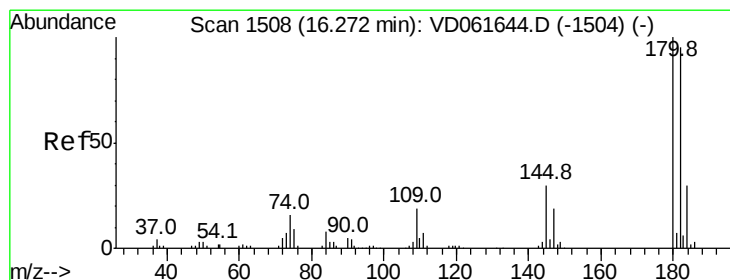
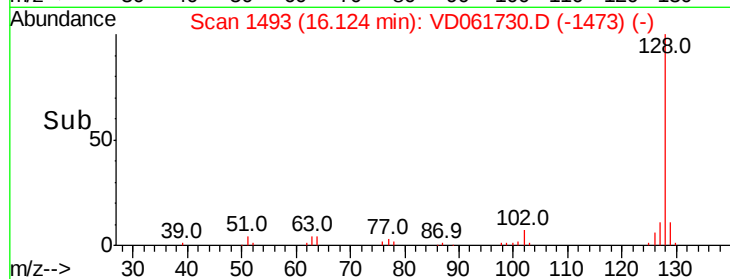
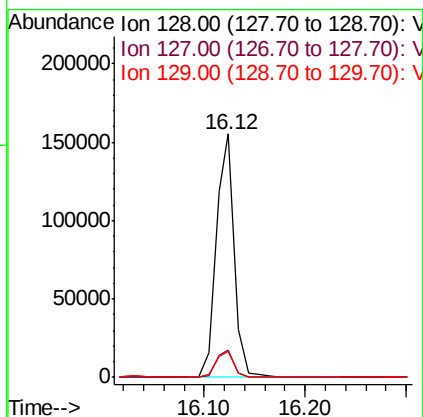
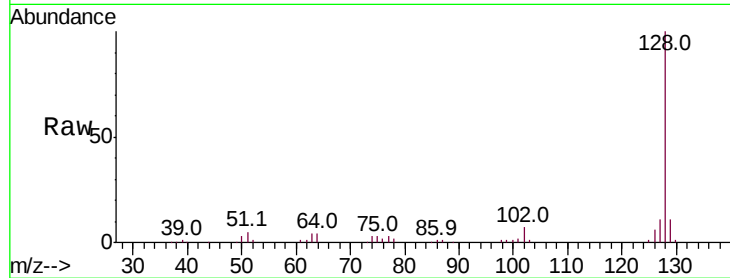




#95
Naphthalene
Concen: 27.500 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 193622
Ion Ratio Lower Upper
128 100
127 11.3 9.4 14.2
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 22.137 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061730.D
Acq: 11 Apr 2019 9:34

Tgt Ion:180 Resp: 49162
Ion Ratio Lower Upper
180 100
182 95.6 47.3 142.0
145 28.0 15.1 45.3

