

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062790.D
 Acq On : 20 Jun 2019 13:32
 Operator : VA/AP
 Sample : VD0620SBSD02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

Quant Time: Jun 21 06:34:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	959918	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.25	114	1232958	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	1101841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	567654	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	552764	52.98	ug/l	0.02
Spiked Amount			Recovery	=	105.96%	
35) Dibromofluoromethane	6.95	113	579445	55.74	ug/l	0.02
Spiked Amount			Recovery	=	111.48%	
50) Toluene-d8	10.43	98	1271650	56.20	ug/l	0.02
Spiked Amount			Recovery	=	112.40%	
62) 4-Bromofluorobenzene	13.57	95	571357	55.53	ug/l	0.02
Spiked Amount			Recovery	=	111.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	272133	21.908	ug/l	96
3) Chloromethane	1.76	50	190887	20.433	ug/l	97
4) Vinyl Chloride	1.86	62	185147	19.989	ug/l	95
5) Bromomethane	2.16	94	84156	19.401	ug/l #	93
6) Chloroethane	2.27	64	86455	20.617	ug/l #	86
7) Trichlorofluoromethane	2.54	101	359710	19.189	ug/l	97
8) Diethyl Ether	2.89	74	40404	16.964	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.16	101	201396	19.832	ug/l	95
10) Methyl Iodide	3.31	142	239054	17.843	ug/l	91
11) Tert butyl alcohol	4.11	59	34267	72.108	ug/l #	91
12) 1,1-Dichloroethene	3.14	96	154444	20.273	ug/l	98
13) Acrolein	3.05	56	41905	86.376	ug/l	88
14) Allyl chloride	3.63	41	216666	19.248	ug/l	99
15) Acrylonitrile	4.23	53	104682	93.747	ug/l	89
16) Acetone	3.25	43	191655	85.987	ug/l	97
17) Carbon Disulfide	3.38	76	477528	19.613	ug/l	99
18) Methyl Acetate	3.66	43	71967	22.848	ug/l	99
19) Methyl tert-butyl Ether	4.26	73	336726	20.417	ug/l	94
20) Methylene Chloride	3.84	84	149672	18.809	ug/l	91
21) trans-1,2-Dichloroethene	4.24	96	162654	20.052	ug/l	90
22) Diisopropyl ether	5.16	45	445655	19.467	ug/l	93
23) Vinyl Acetate	5.09	43	1396702	97.503	ug/l	100
24) 1,1-Dichloroethane	5.02	63	284156	19.065	ug/l	98
25) 2-Butanone	6.10	43	181412	92.960	ug/l #	88
26) 2,2-Dichloropropane	6.05	77	326736	20.682	ug/l	98
27) cis-1,2-Dichloroethene	6.07	96	169442	19.753	ug/l	97
28) Bromochloromethane	6.46	49	108510	20.671	ug/l	93
29) Tetrahydrofuran	6.49	42	92827	100.535	ug/l	97
30) Chloroform	6.69	83	359058	19.809	ug/l	93
31) Cyclohexane	6.98	56	191348	19.529	ug/l	90
32) 1,1,1-Trichloroethane	6.90	97	360596	19.099	ug/l	93
36) 1,1-Dichloropropene	7.17	75	229819	19.690	ug/l	96
37) Ethyl Acetate	6.22	43	101662	20.076	ug/l	97
38) Carbon Tetrachloride	7.13	117	363592	20.713	ug/l	99

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 Sample : VD0620SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0620SBS02

Quant Time: Jun 21 06:34:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	206369	20.087	ug/l	95
40) Benzene	7.48	78	467171	19.940	ug/l	98
41) Methacrylonitrile	6.49	41	125136	20.330	ug/l #	87
42) 1,2-Dichloroethane	7.61	62	274862	21.506	ug/l	99
43) Isopropyl Acetate	9.27	43	126020	20.595	ug/l #	92
44) Trichloroethene	8.56	130	190808	20.774	ug/l	97
45) 1,2-Dichloropropane	8.97	63	120843	20.743	ug/l	98
46) Dibromomethane	9.09	93	98627	19.708	ug/l	91
47) Bromodichloromethane	9.40	83	264417	20.345	ug/l	97
48) Methyl methacrylate	9.15	41	92969	21.380	ug/l	97
49) 1,4-Dioxane	9.10	88	14047	388.283	ug/l #	84
51) 4-Methyl-2-Pentanone	10.32	43	420604	96.949	ug/l	96
52) Toluene	10.53	92	309181	19.632	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	214093	20.126	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	240114	20.767	ug/l	94
55) 1,1,2-Trichloroethane	11.21	97	109000	20.145	ug/l	98
56) Ethyl methacrylate	11.06	69	120429	20.827	ug/l	95
57) 1,3-Dichloropropane	11.43	76	179637	21.683	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	309488	104.255	ug/l	99
59) 2-Hexanone	11.55	43	331862	107.407	ug/l	97
60) Dibromochloromethane	11.70	129	207126	20.552	ug/l	94
61) 1,2-Dibromoethane	11.83	107	127248	19.913	ug/l	90
64) Tetrachloroethene	11.28	164	179641	19.810	ug/l	97
65) Chlorobenzene	12.42	112	395527	19.342	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	180585	18.883	ug/l	93
67) Ethyl Benzene	12.54	91	699553	19.054	ug/l	96
68) m/p-Xylenes	12.69	106	486722	38.064	ug/l	98
69) o-Xylene	13.06	106	232858	19.921	ug/l	99
70) Styrene	13.09	104	397620	19.366	ug/l	95
71) Bromoform	13.25	173	122582	18.709	ug/l #	97
73) Isopropylbenzene	13.41	105	719290	19.762	ug/l	98
74) N-amyl acetate	13.28	43	192704	21.802	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	13.71	83	120834	20.376	ug/l	97
76) 1,2,3-Trichloropropane	13.75	75	138275	21.100	ug/l	99
77) Bromobenzene	13.68	156	207994	21.246	ug/l	90
78) n-propylbenzene	13.79	91	829756	19.587	ug/l	97
79) 2-Chlorotoluene	13.86	91	500031	20.654	ug/l	96
80) 1,3,5-Trimethylbenzene	13.95	105	622212	20.352	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	36179	21.065	ug/l	94
82) 4-Chlorotoluene	13.96	91	622782	21.368	ug/l	90
83) tert-Butylbenzene	14.20	119	676816	19.861	ug/l	94
84) 1,2,4-Trimethylbenzene	14.25	105	599101	19.119	ug/l	99
85) sec-Butylbenzene	14.38	105	686439	18.534	ug/l	96
86) p-Isopropyltoluene	14.51	119	601061	17.739	ug/l	96
87) 1,3-Dichlorobenzene	14.47	146	369705	21.067	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	342376	19.425	ug/l	98
89) n-Butylbenzene	14.81	91	595149	18.766	ug/l	97
90) Hexachloroethane	15.02	117	180155	19.775	ug/l	88
91) 1,2-Dichlorobenzene	14.82	146	315080	20.985	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	26406	22.813	ug/l	61

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Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

Quant Time: Jun 21 06:34:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

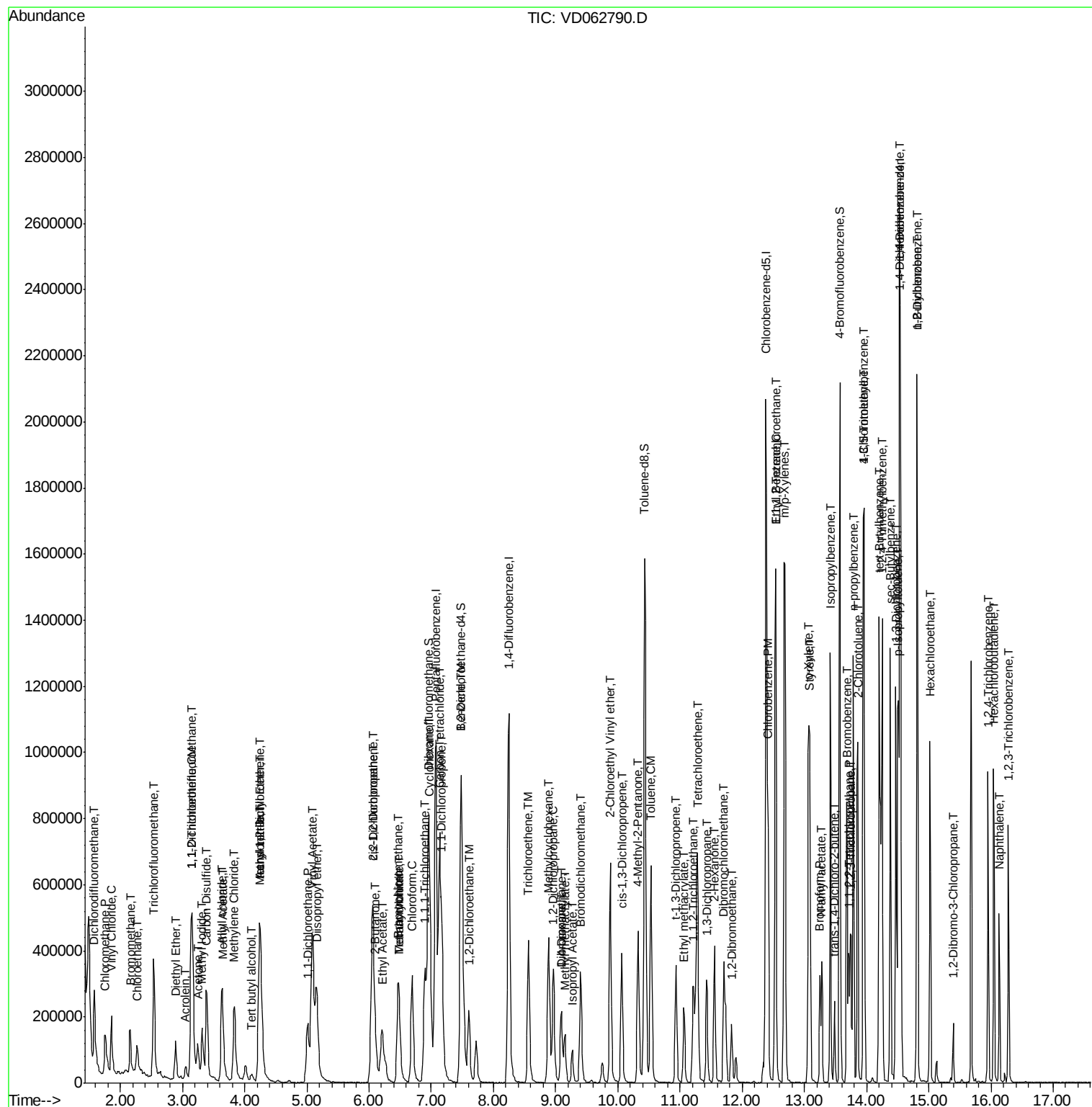
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	217894	18.578	ug/l	98
94) Hexachlorobutadiene	16.05	225	155163	17.317	ug/l	93
95) Naphthalene	16.13	128	292025	17.764	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	179286	19.895	ug/l	98

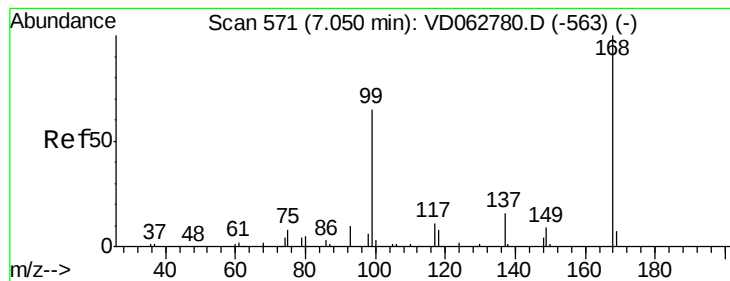
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062790.D
 Acq On : 20 Jun 2019 13:32
 Operator : VA/AP
 Sample : VD0620SBSD02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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 MSVOA_D
 ClientSampleId :
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Quant Time: Jun 21 06:34:02 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

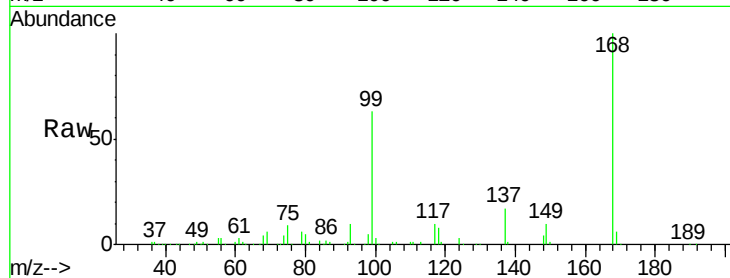
VD0620SBSD02

Tot Ion:168 Resp: 959918

Ion Ratio Lower Upper

168 100

99 63.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.08

300000

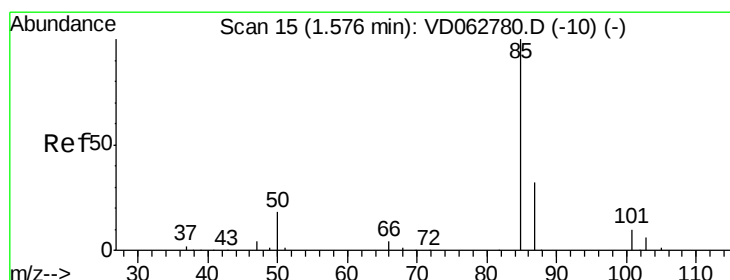
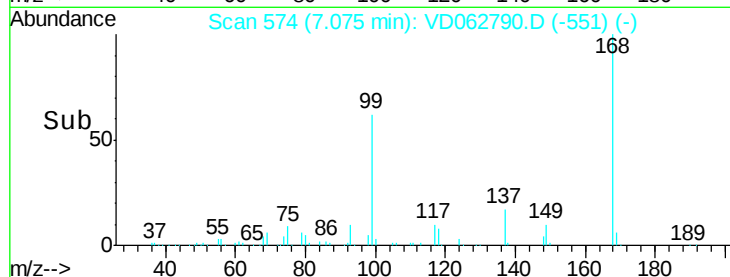
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 21.908 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062790.D

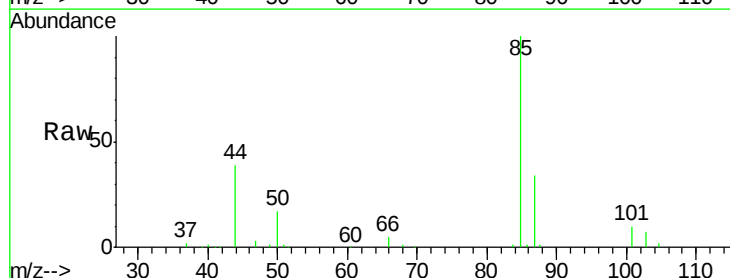
Acq: 20 Jun 2019 13:32

Tgt Ion: 85 Resp: 272133

Ion Ratio Lower Upper

85 100

87 33.9 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

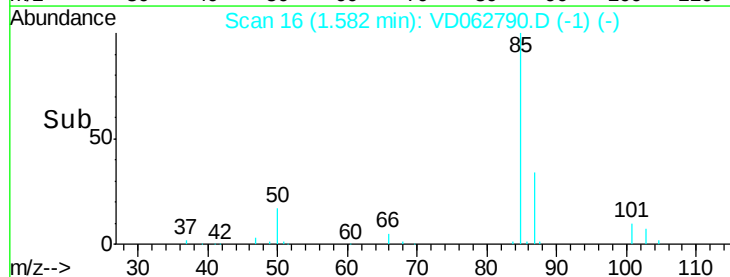
100000

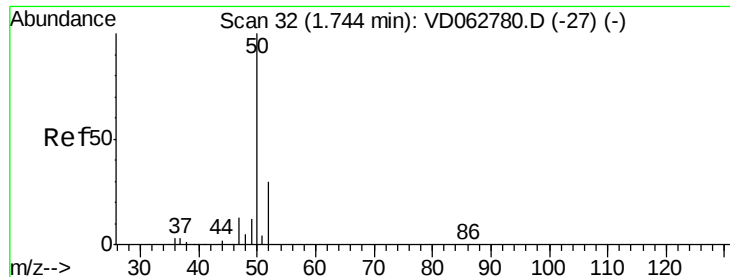
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 20.433 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

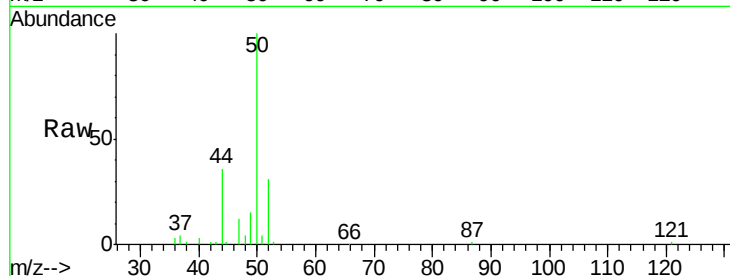
VD0620SBSD02

Tot Ion: 50 Resp: 190887

Ion Ratio Lower Upper

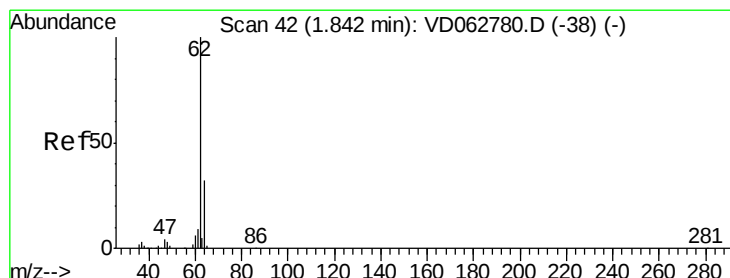
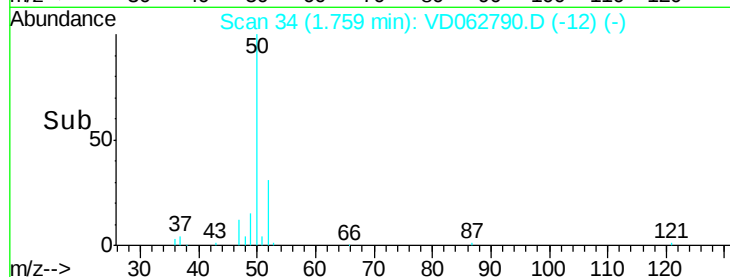
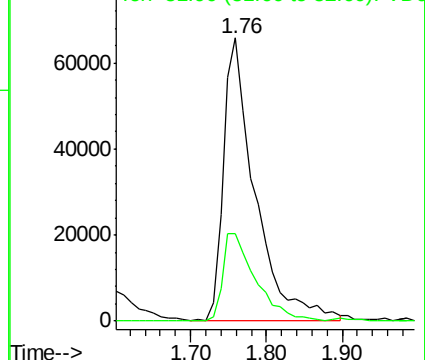
50 100

52 31.1 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.989 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062790.D

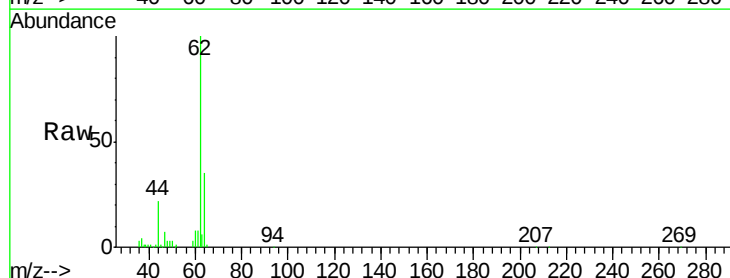
Acq: 20 Jun 2019 13:32

Tgt Ion: 62 Resp: 185147

Ion Ratio Lower Upper

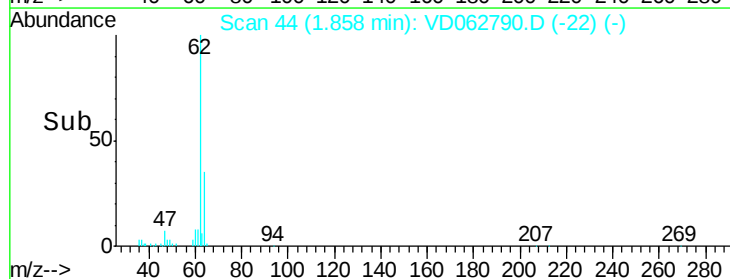
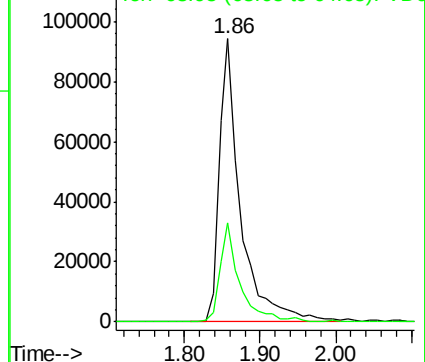
62 100

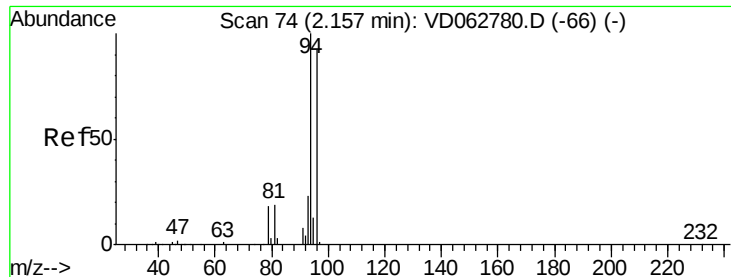
64 34.9 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.401 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD02

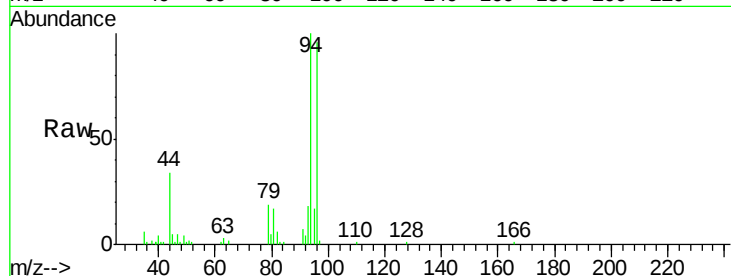
Tot Ion: 94 Resp: 84156

Ion Ratio Lower Upper

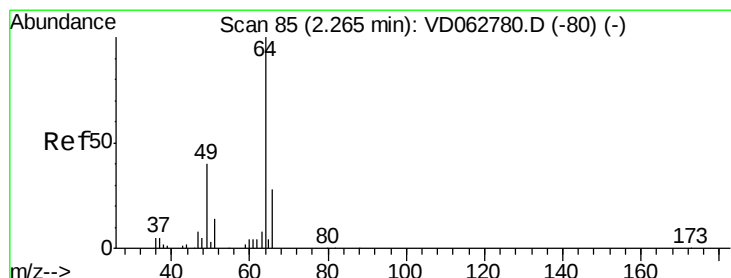
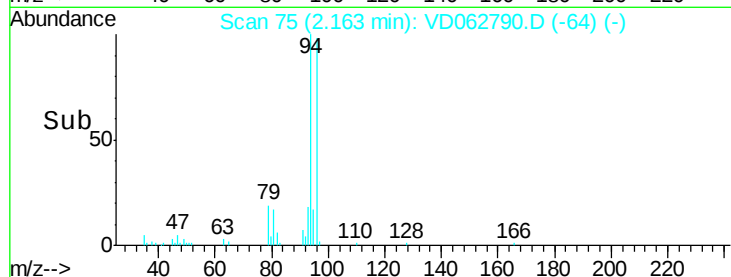
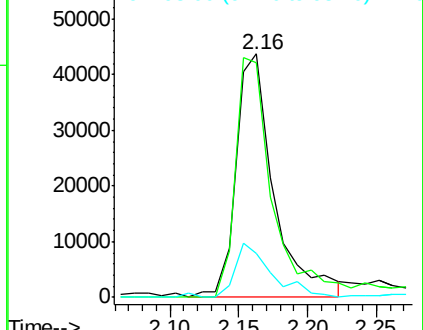
94 100

96 98.3 73.4 110.2

93 18.1 18.2 27.4#



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



#6

Chloroethane

Concen: 20.617 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD062790.D

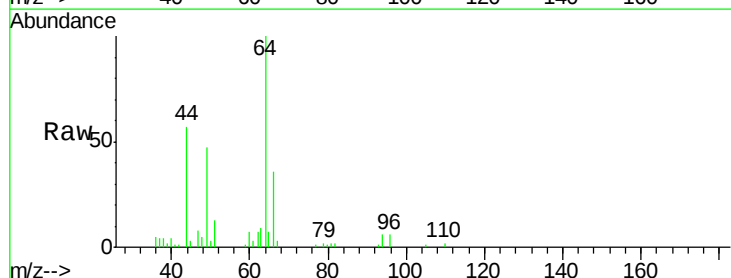
Acq: 20 Jun 2019 13:32

Tgt Ion: 64 Resp: 86455

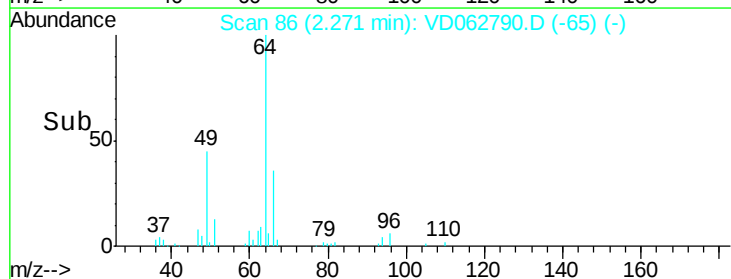
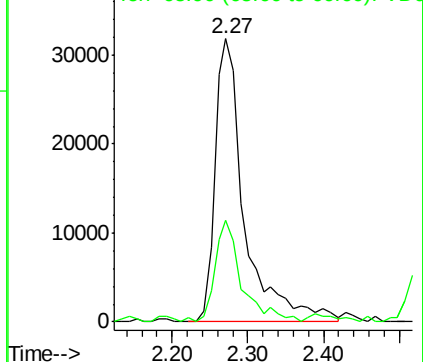
Ion Ratio Lower Upper

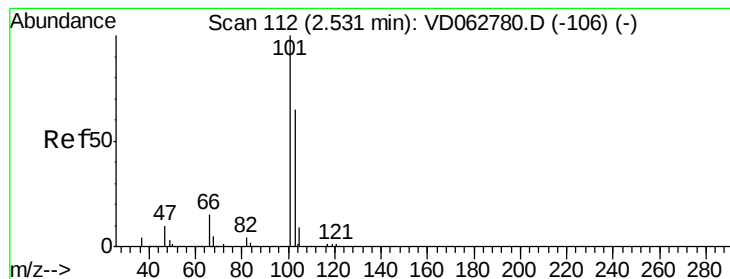
64 100

66 35.9 23.0 34.4#



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



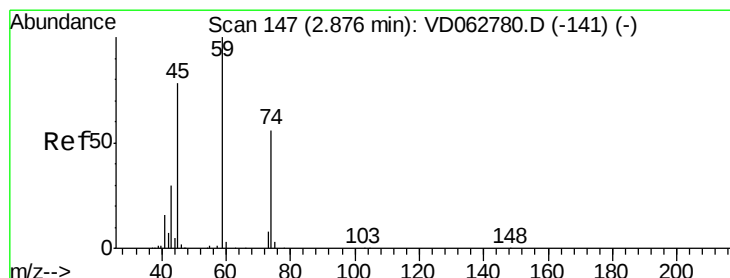
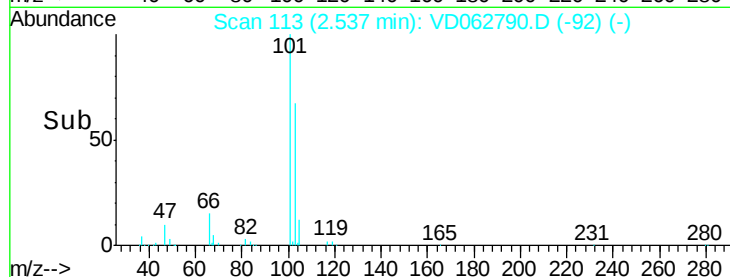
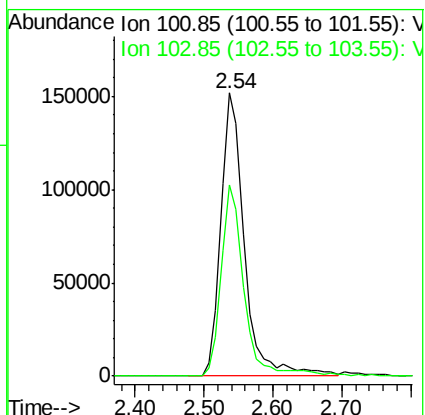
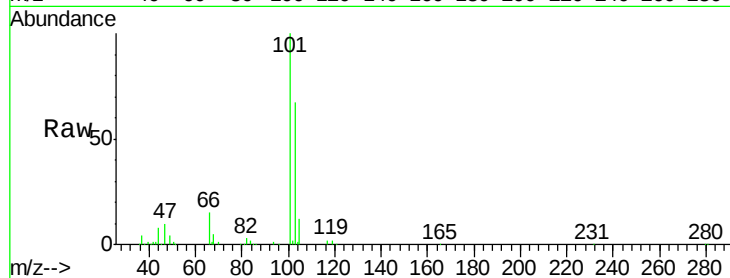


#7

Trichlorofluoromethane
 Concen: 19.189 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

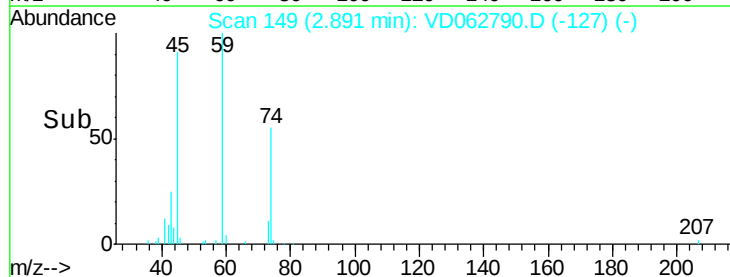
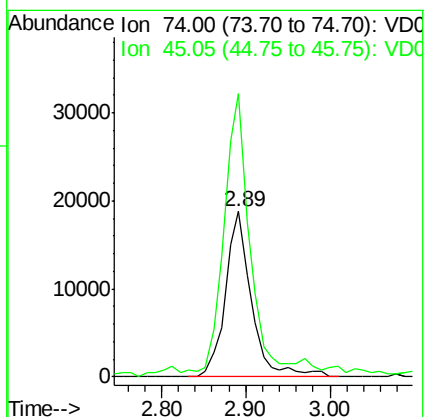
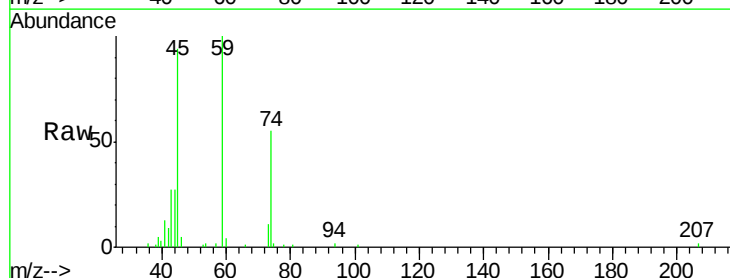
Tot Ion:101 Resp: 359710
 Ion Ratio Lower Upper
 101 100
 103 67.4 51.8 77.8

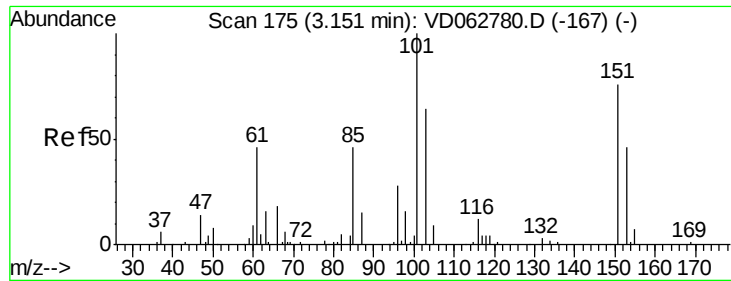


#8

Diethyl Ether
 Concen: 16.964 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.02 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

Tgt Ion: 74 Resp: 40404
 Ion Ratio Lower Upper
 74 100
 45 171.1 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.832 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD02

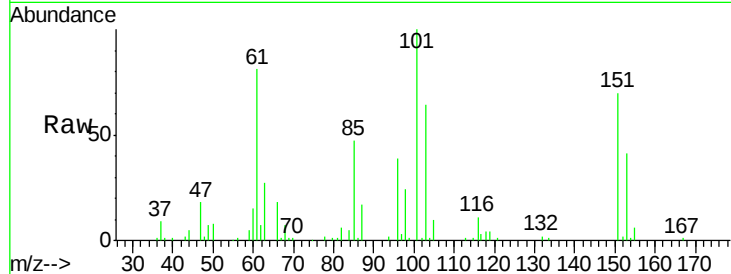
Tot Ion:101 Resp: 201396

Ion Ratio Lower Upper

101 100

85 47.4 37.0 55.4

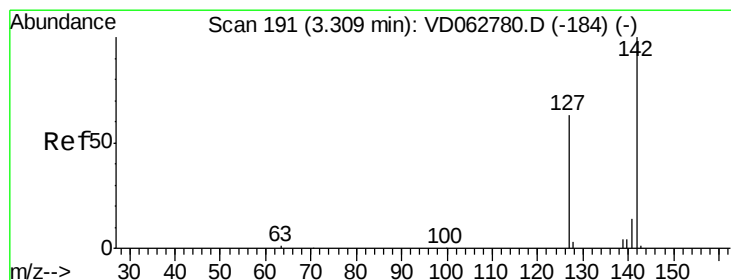
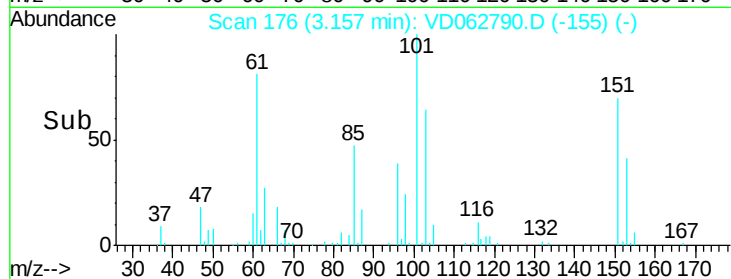
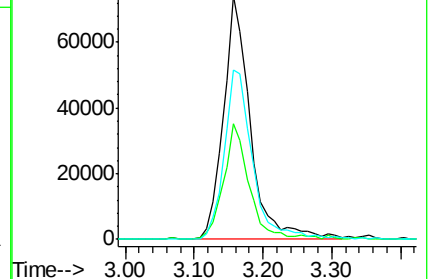
151 69.5 60.5 90.7



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: 17.843 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

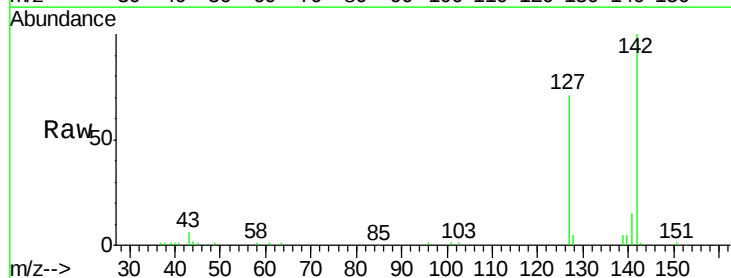
Tgt Ion:142 Resp: 239054

Ion Ratio Lower Upper

142 100

127 71.0 50.1 75.1

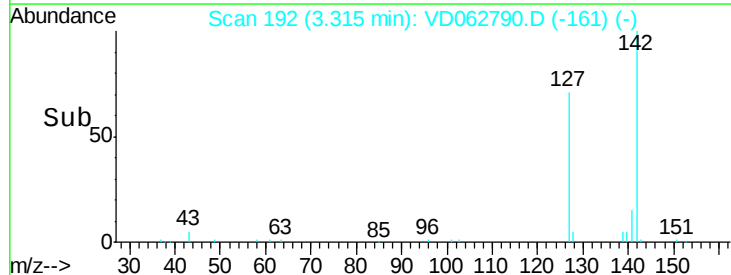
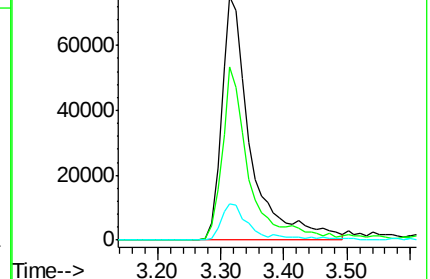
141 15.0 11.0 16.4



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

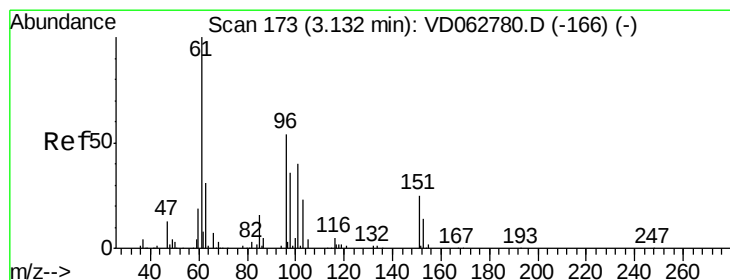
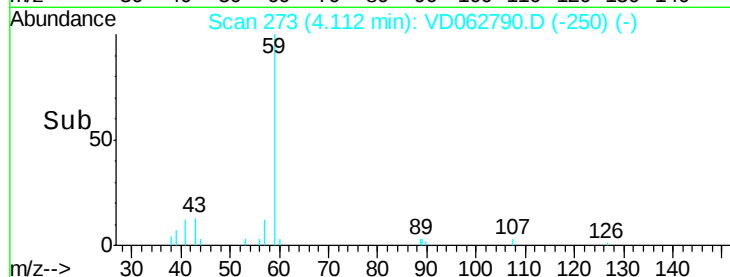
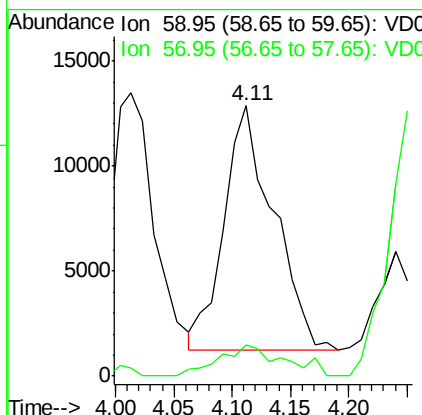
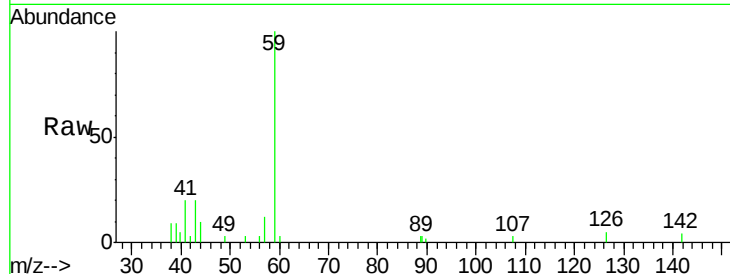




#11
Tert butyl alcohol
Concen: 72.108 ug/l
RT: 4.11 min Scan# 273
Delta R.T. 0.03 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

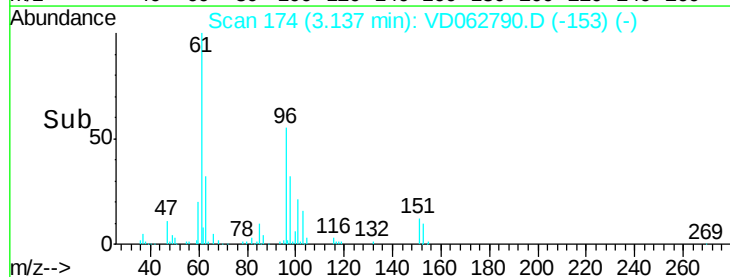
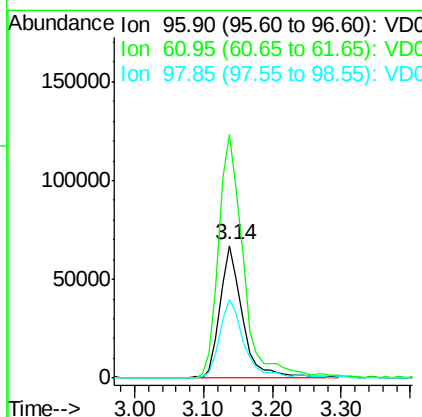
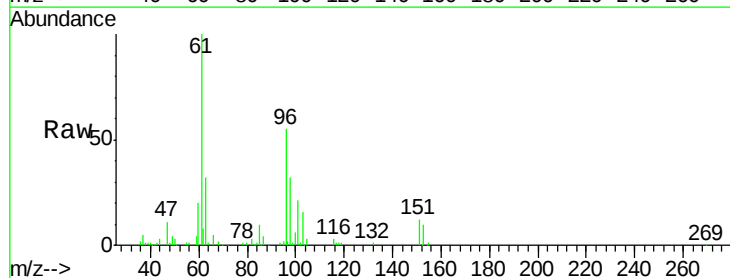
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

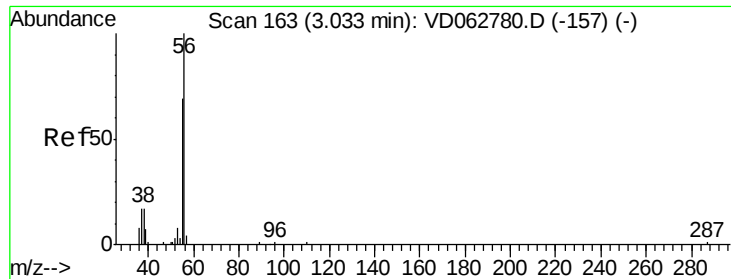
Tot Ion: 59 Resp: 34267
Ion Ratio Lower Upper
59 100
57 11.5 6.6 10.0#



#12
1,1-Dichloroethene
Concen: 20.273 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.01 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Tgt Ion: 96 Resp: 154444
Ion Ratio Lower Upper
96 100
61 183.2 147.1 220.7
98 59.4 52.6 79.0





#13

Acrolein

Concen: 86.376 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

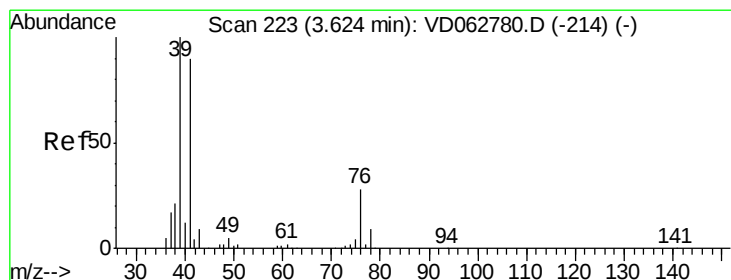
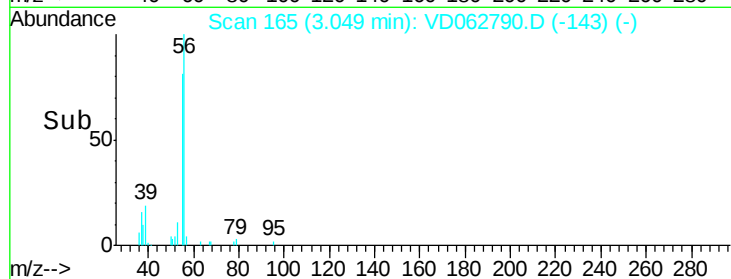
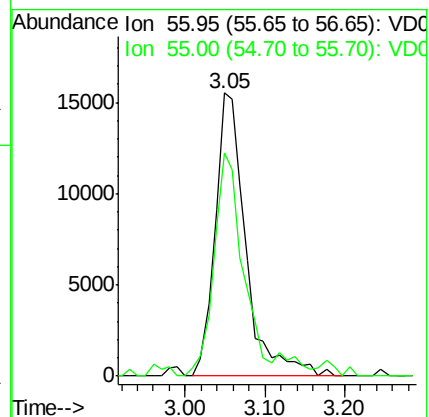
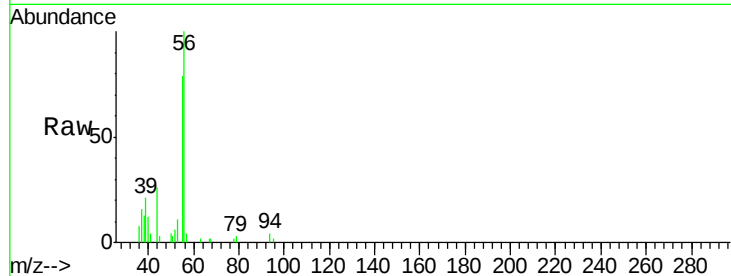
VD0620SBS02

Tot Ion: 56 Resp: 41905

Ion Ratio Lower Upper

56 100

55 78.7 55.4 83.0



#14

Allyl chloride

Concen: 19.248 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

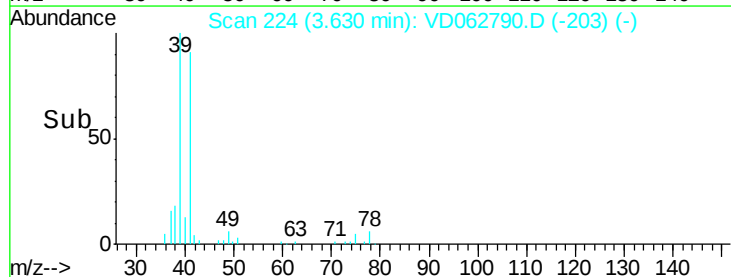
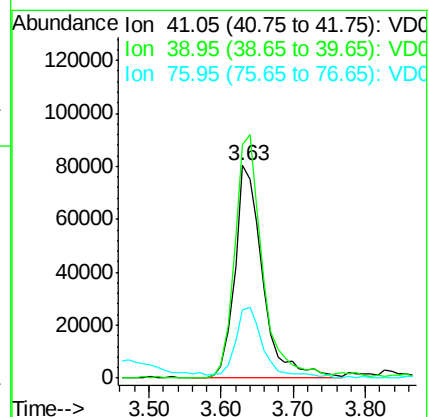
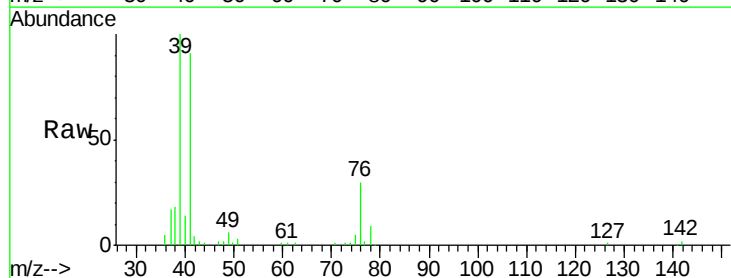
Tgt Ion: 41 Resp: 216666

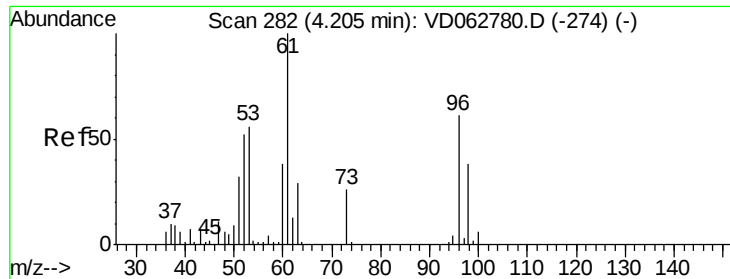
Ion Ratio Lower Upper

41 100

39 109.6 88.8 133.2

76 32.4 26.7 40.1

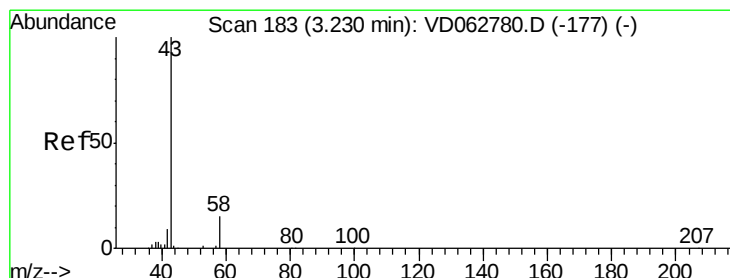
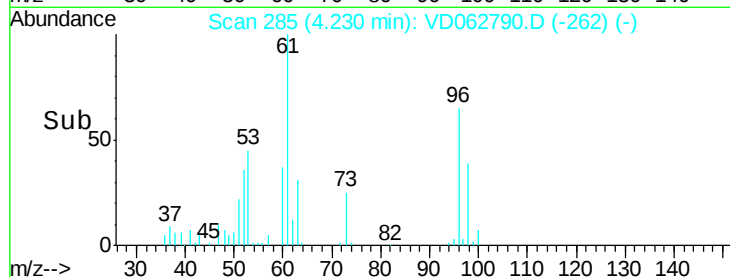
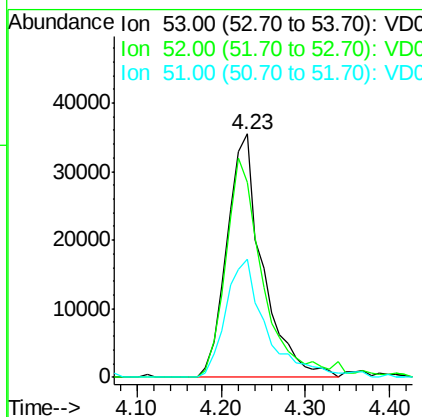
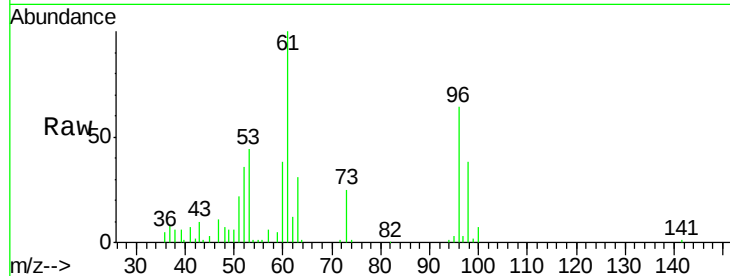




#15
 Acrylonitrile
 Concen: 93.747 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.03 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

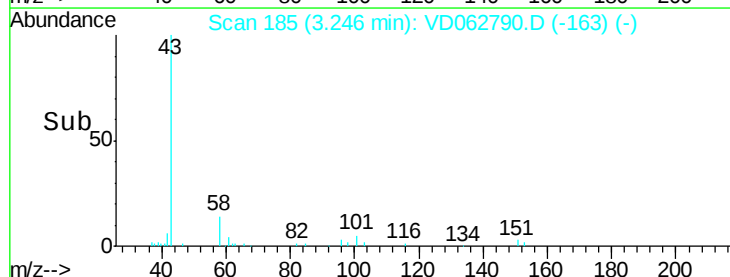
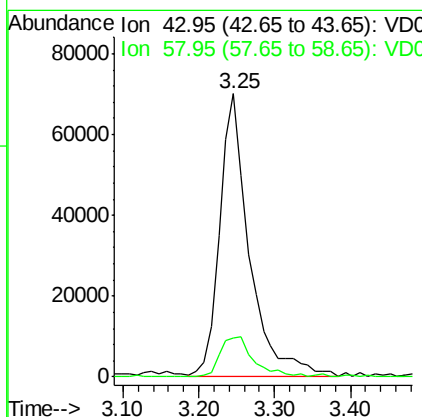
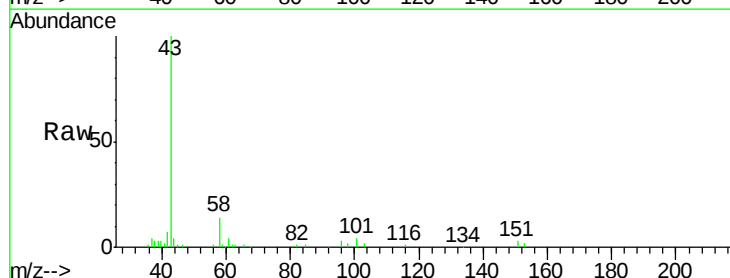
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

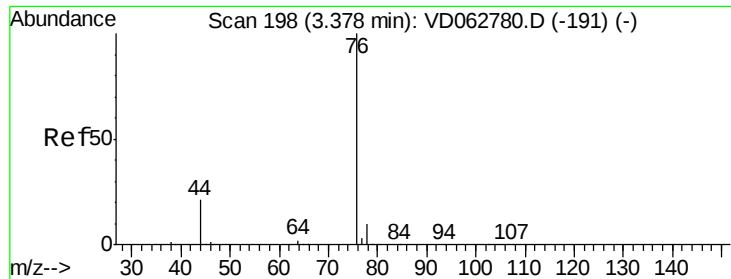
Tot Ion: 53 Resp: 104682
 Ion Ratio Lower Upper
 53 100
 52 79.9 73.3 109.9
 51 48.8 44.8 67.2



#16
 Acetone
 Concen: 85.987 ug/l
 RT: 3.25 min Scan# 185
 Delta R.T. 0.02 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

Tgt Ion: 43 Resp: 191655
 Ion Ratio Lower Upper
 43 100
 58 13.6 11.9 17.9

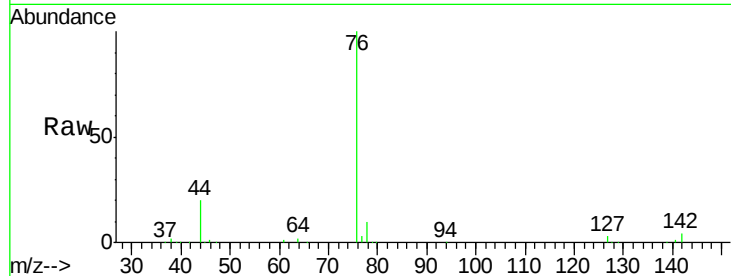




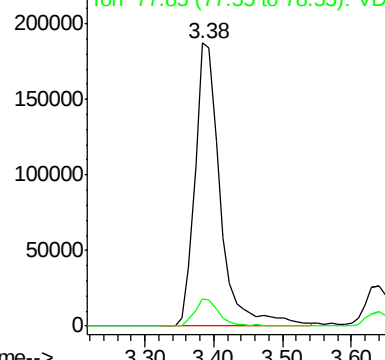
#17
Carbon Disulfide
Concen: 19.613 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.01 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

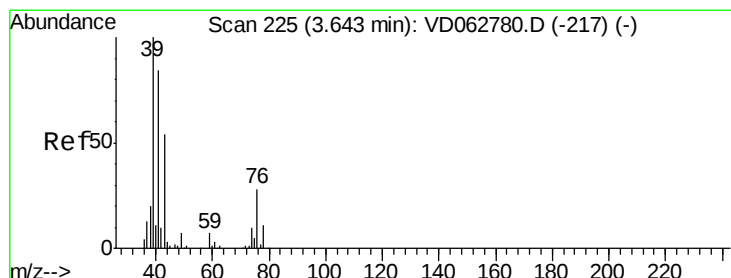
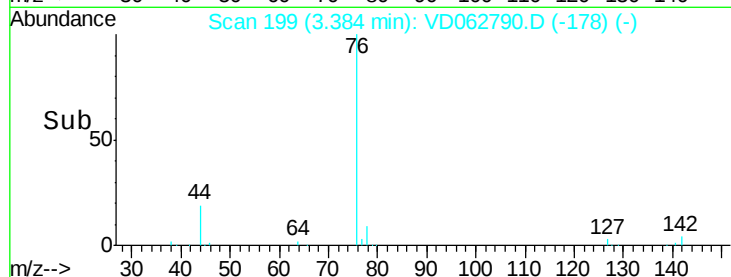
Tot Ion: 76 Resp: 477528
Ion Ratio Lower Upper
76 100
78 9.5 8.0 12.0



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

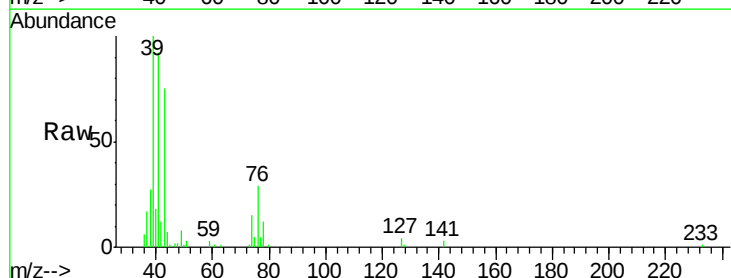


Time-->

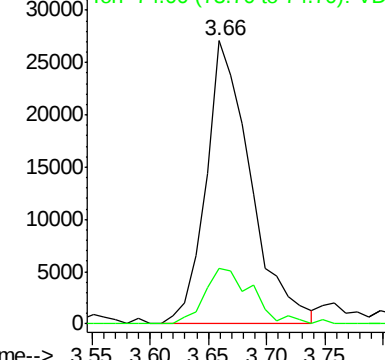


#18
Methyl Acetate
Concen: 22.848 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.02 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

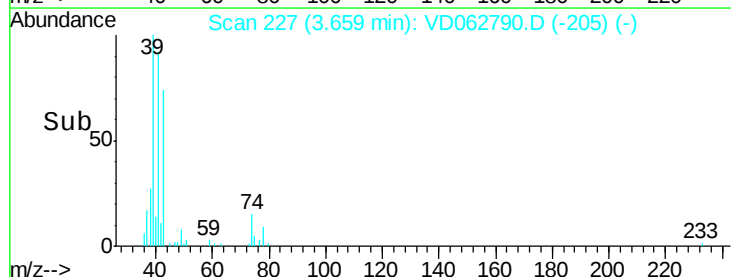
Tgt Ion: 43 Resp: 71967
Ion Ratio Lower Upper
43 100
74 19.6 15.2 22.8

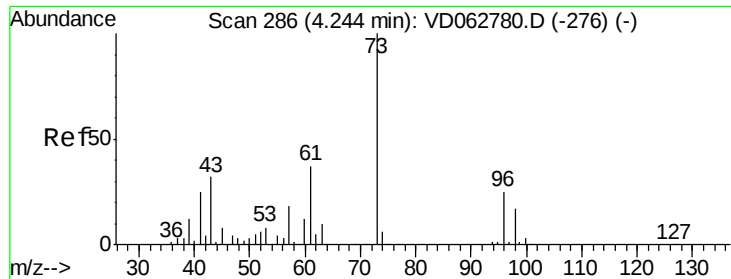


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time-->

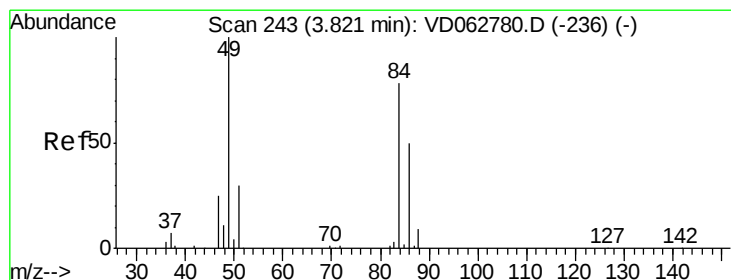
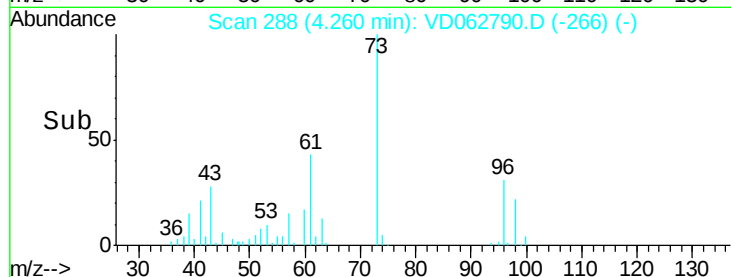
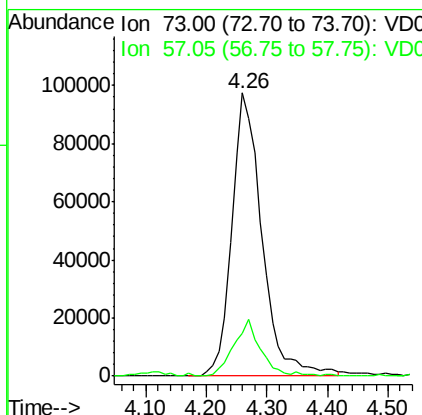
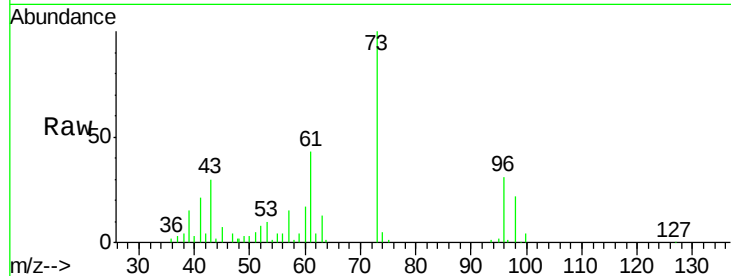




#19
Methvl tert-butvl Ether
Concen: 20.417 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.02 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

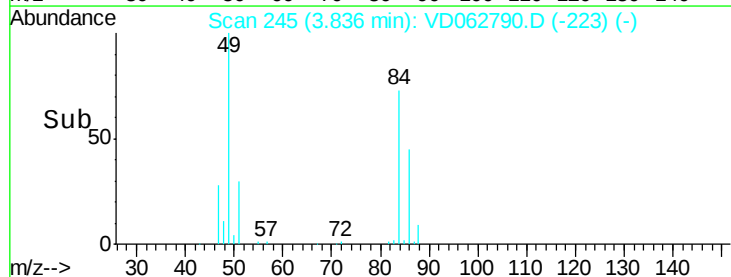
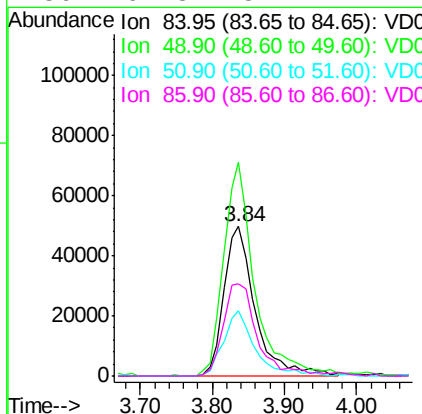
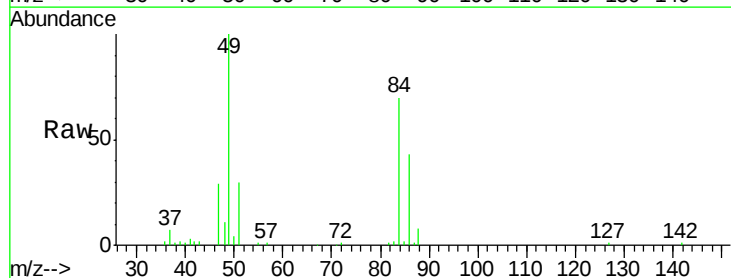
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

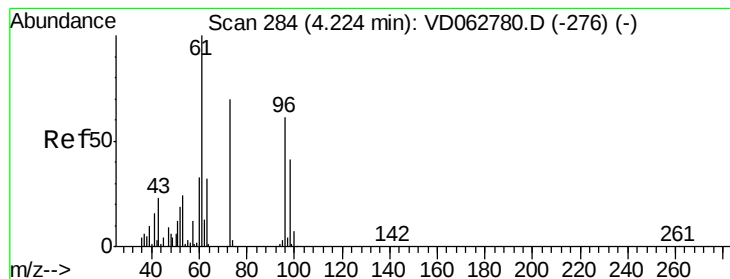
Tot Ion: 73 Resp: 336726
Ion Ratio Lower Upper
73 100
57 15.1 14.3 21.5



#20
Methylene Chloride
Concen: 18.809 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.02 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Tgt Ion: 84 Resp: 149672
Ion Ratio Lower Upper
84 100
49 142.9 102.9 154.3
51 43.5 31.2 46.8
86 61.8 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.052 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD02

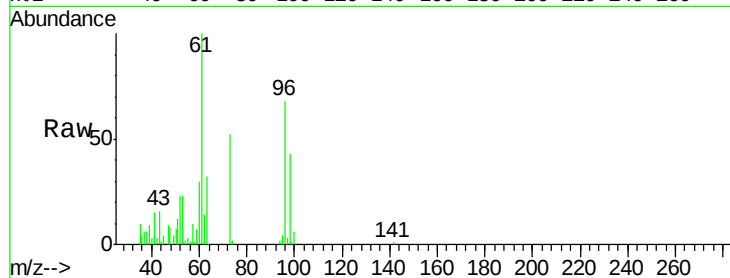
Tot Ion: 96 Resp: 162654

Ion Ratio Lower Upper

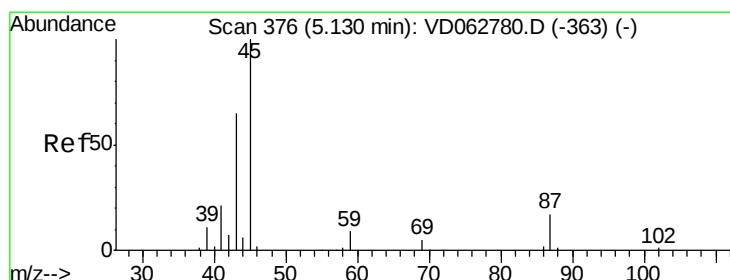
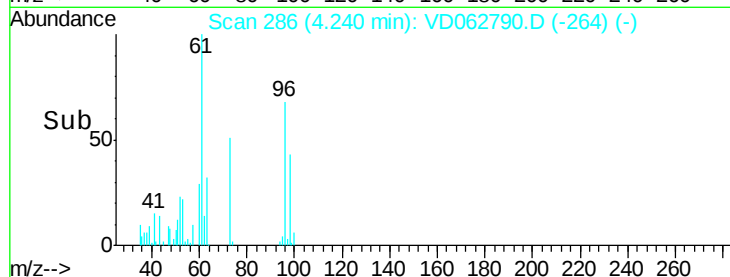
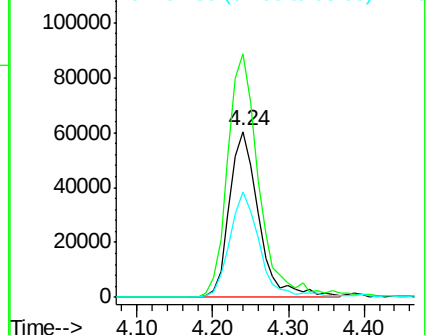
96 100

61 146.5 131.0 196.4

98 63.1 53.2 79.8



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



#22

Diisopropyl ether

Concen: 19.467 ug/l

RT: 5.16 min Scan# 379

Delta R.T. 0.03 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Tgt Ion: 45 Resp: 445655

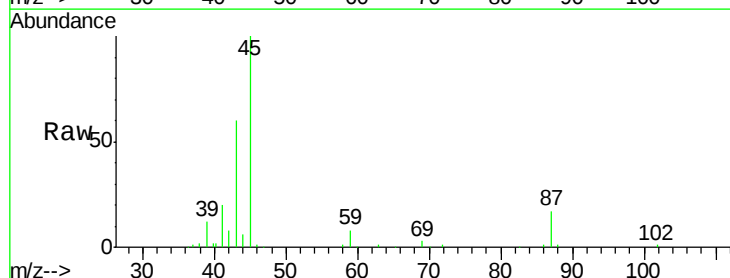
Ion Ratio Lower Upper

45 100

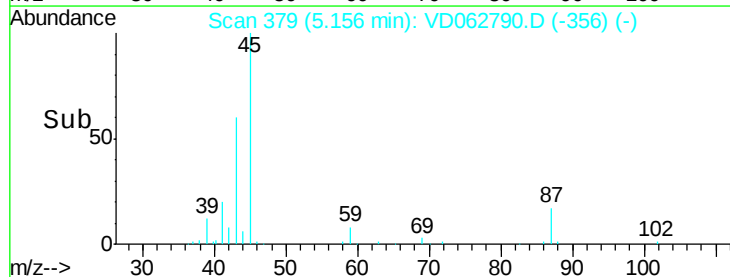
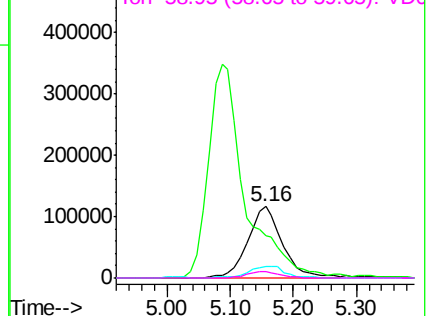
43 60.0 53.4 80.0

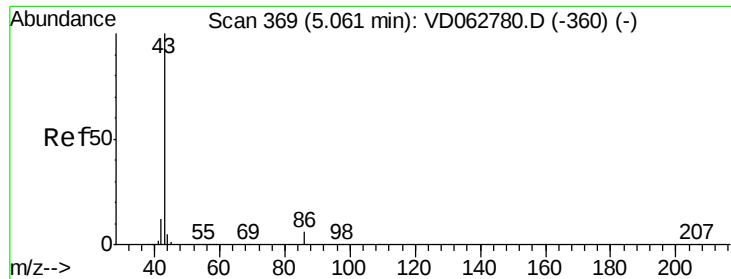
87 16.7 14.6 22.0

59 8.3 7.8 11.8



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

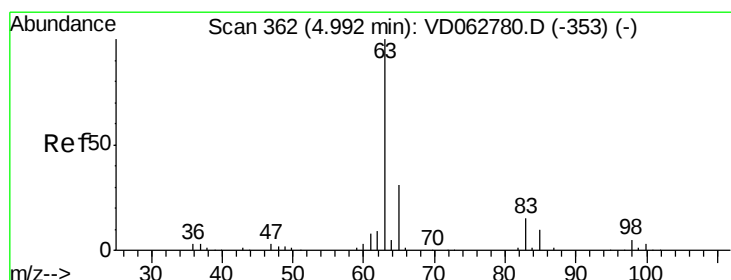
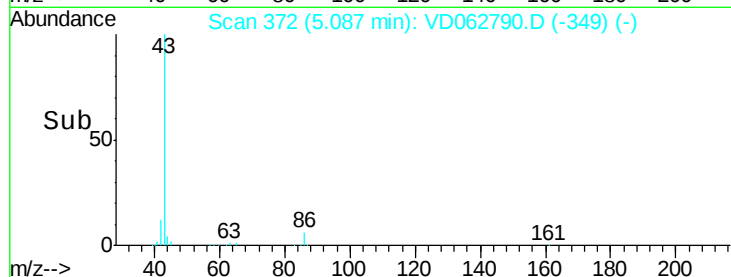
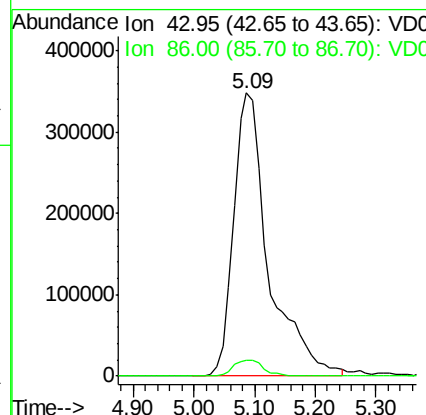
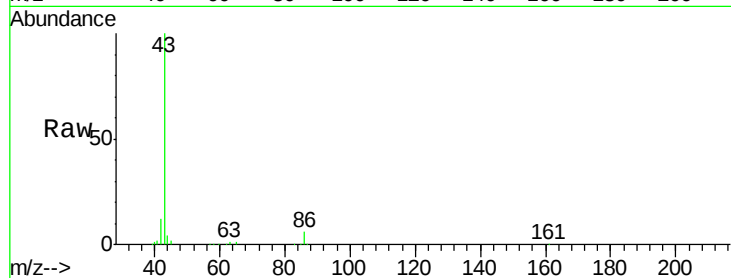




#23
 Vinyl Acetate
 Concen: 97.503 ug/l
 RT: 5.09 min Scan# 372
 Delta R.T. 0.03 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

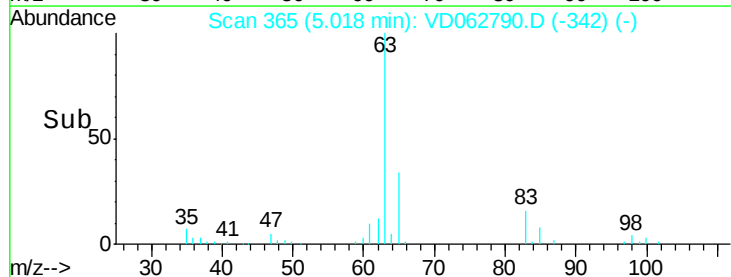
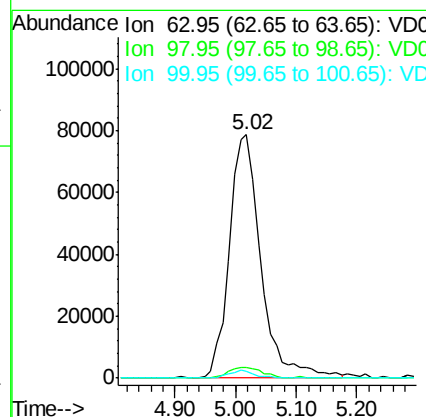
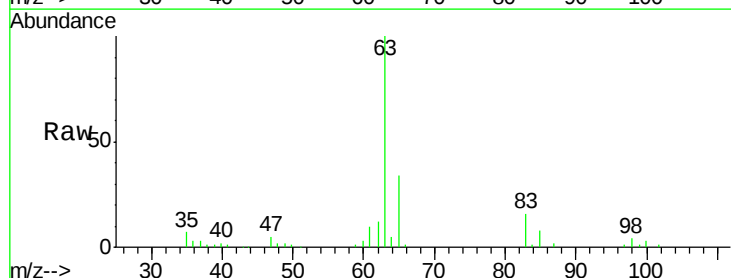
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

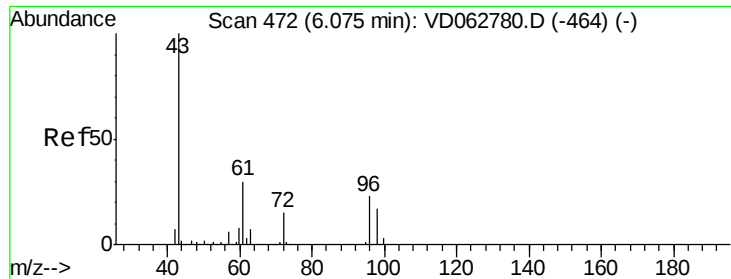
Tot Ion: 43 Resp: 1396702
 Ion Ratio Lower Upper
 43 100
 86 5.8 4.7 7.1



#24
 1,1-Dichloroethane
 Concen: 19.065 ug/l
 RT: 5.02 min Scan# 365
 Delta R.T. 0.03 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

Tgt Ion: 63 Resp: 284156
 Ion Ratio Lower Upper
 63 100
 98 4.1 2.3 6.9
 100 2.6 1.7 5.1





#25

2-Butanone

Concen: 92.960 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

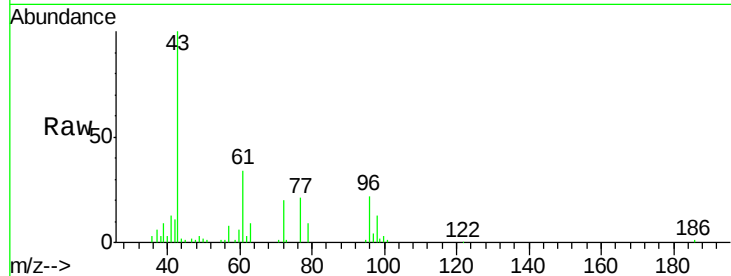
VD0620SBSD02

Tot Ion: 43 Resp: 181412

Ion Ratio Lower Upper

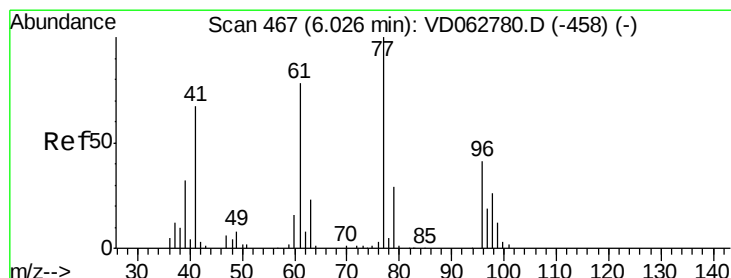
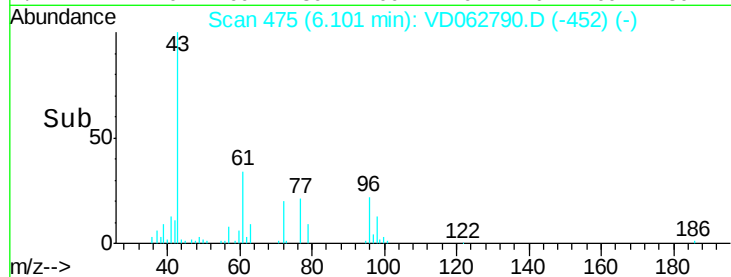
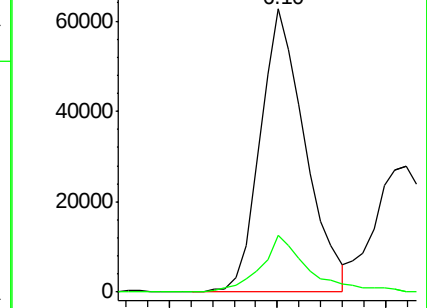
43 100

72 19.9 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.682 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.03 min

Lab File: VD062790.D

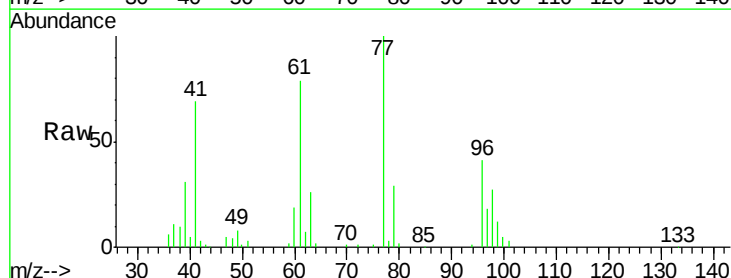
Acq: 20 Jun 2019 13:32

Tgt Ion: 77 Resp: 326736

Ion Ratio Lower Upper

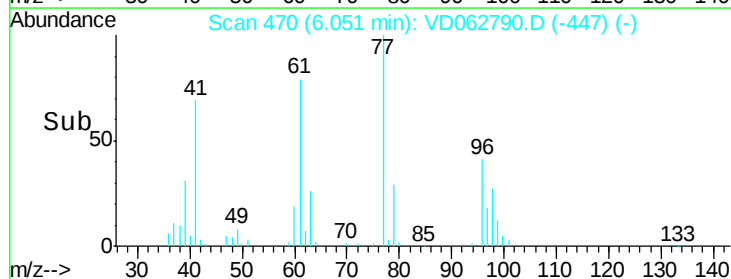
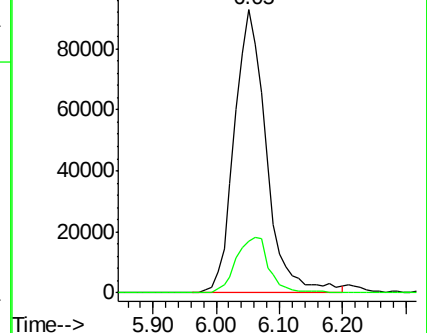
77 100

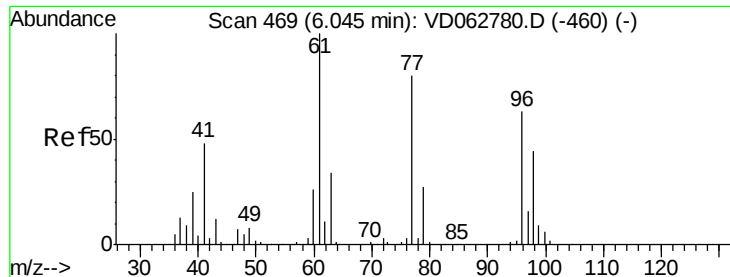
97 18.2 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



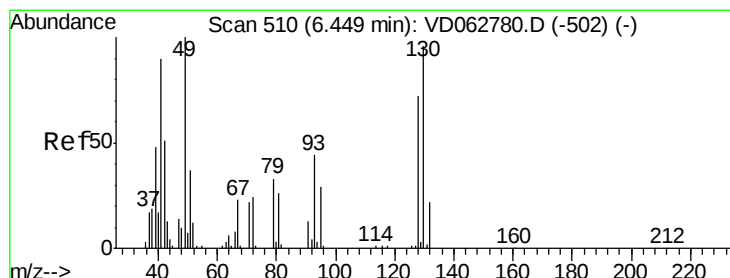
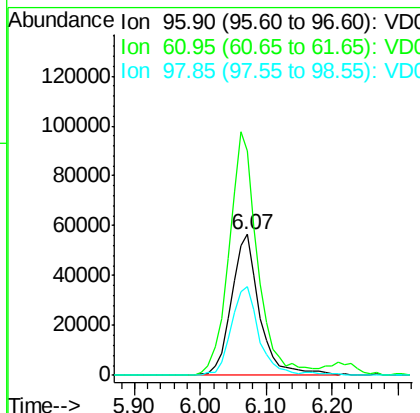
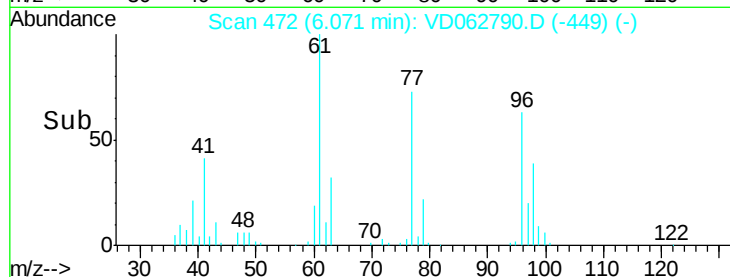
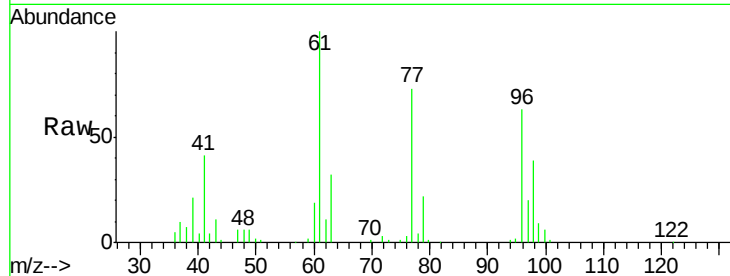


#27

cis-1,2-Dichloroethene
Concen: 19.753 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.03 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

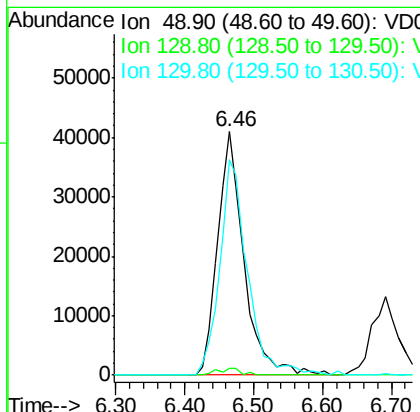
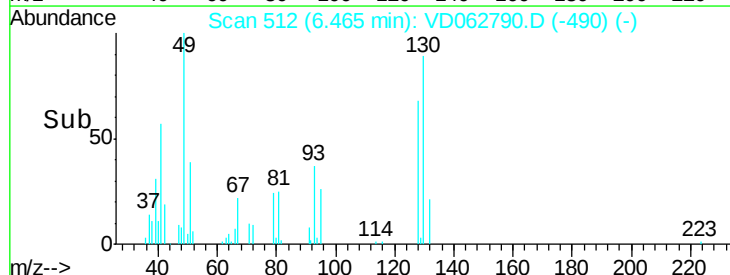
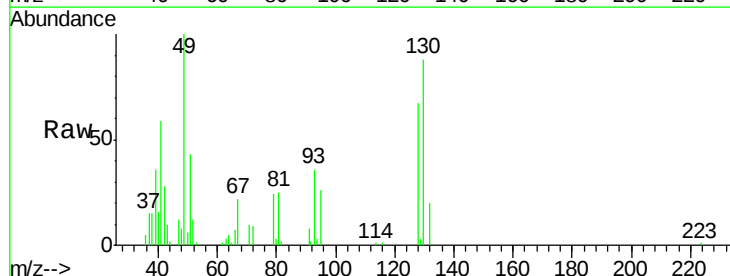
Tot Ion: 96 Resp: 169442
Ion Ratio Lower Upper
96 100
61 159.7 0.0 316.0
98 63.0 0.0 138.4

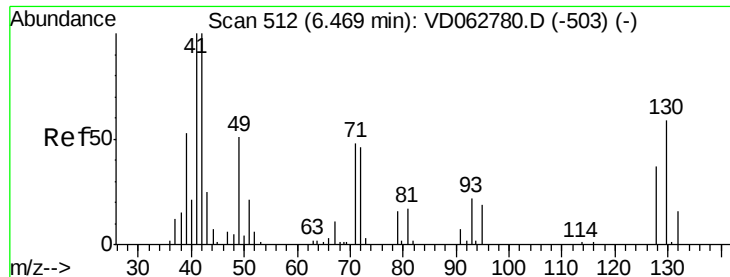


#28

Bromochloromethane
Concen: 20.671 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Tgt Ion: 49 Resp: 108510
Ion Ratio Lower Upper
49 100
129 2.6 0.0 5.6
130 88.3 76.6 114.8





#29

Tetrahydrofuran

Concen: 100.535 ug/l

RT: 6.49 min Scan# 515

Delta R.T. 0.03 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD02

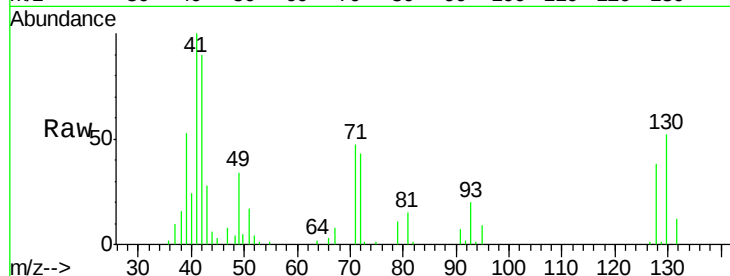
Tot Ion: 42 Resp: 92827

Ion Ratio Lower Upper

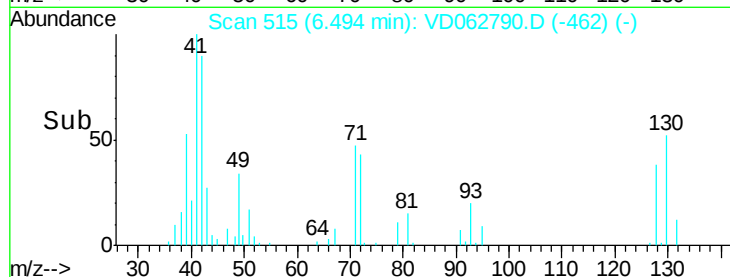
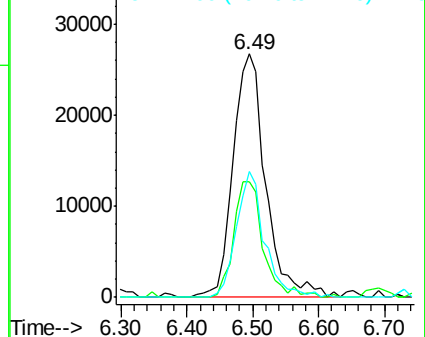
42 100

72 43.0 35.0 52.6

71 44.9 33.3 49.9



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: 19.809 ug/l

RT: 6.69 min Scan# 535

Delta R.T. 0.02 min

Lab File: VD062790.D

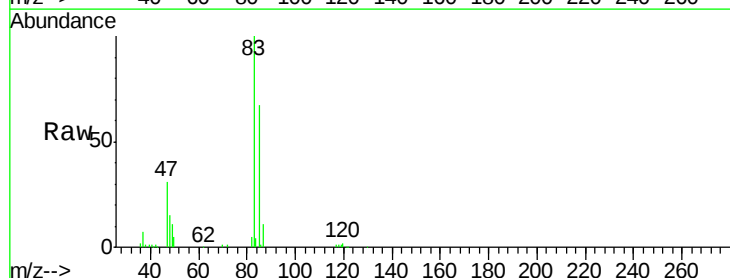
Acq: 20 Jun 2019 13:32

Tgt Ion: 83 Resp: 359058

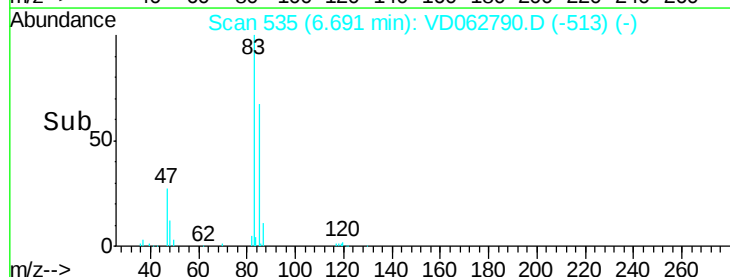
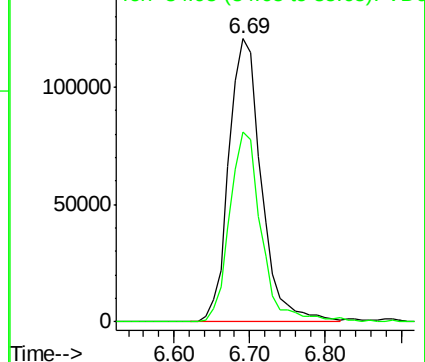
Ion Ratio Lower Upper

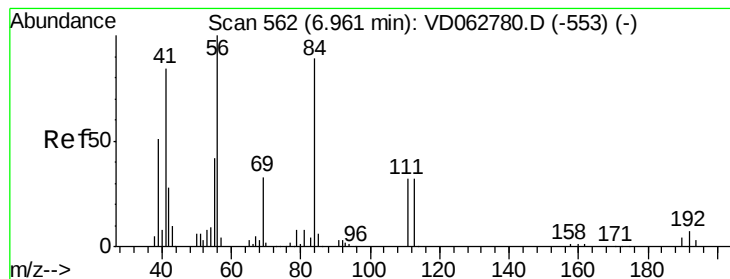
83 100

85 67.3 49.8 74.6



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





#31

Cyclohexane

Concen: 19.529 ug/l

RT: 6.98 min Scan# 564

Delta R.T. 0.02 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

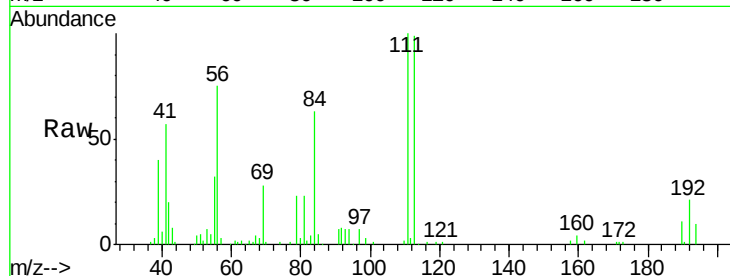
Tot Ion: 56 Resp: 191348

Ion Ratio Lower Upper

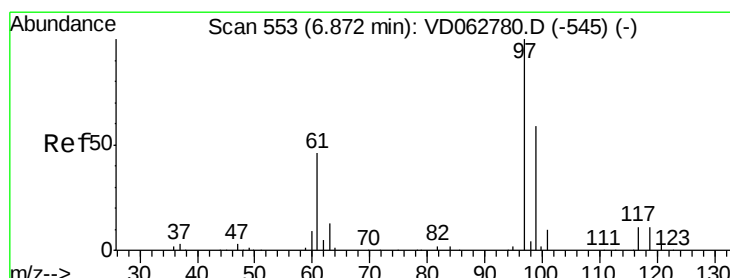
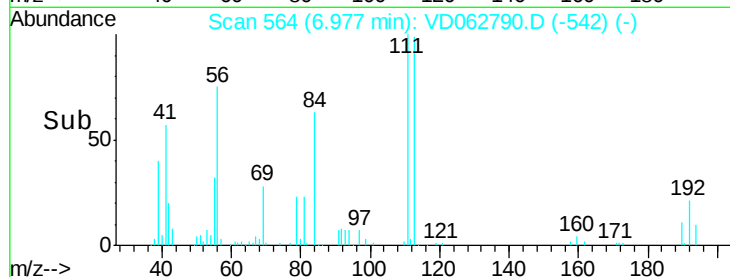
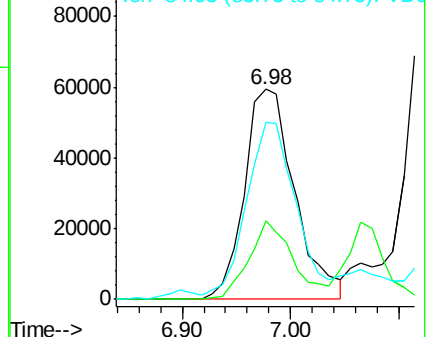
56 100

69 37.7 26.6 39.8

84 84.3 75.5 113.3



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: 19.099 ug/l

RT: 6.90 min Scan# 556

Delta R.T. 0.03 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

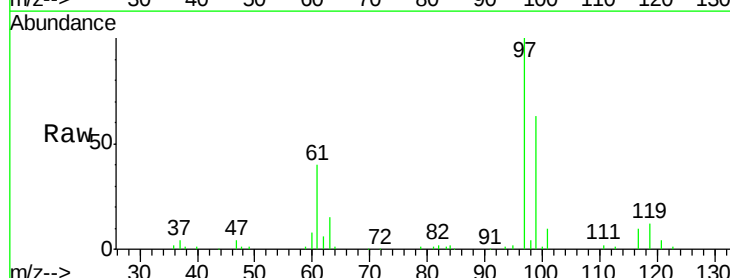
Tgt Ion: 97 Resp: 360596

Ion Ratio Lower Upper

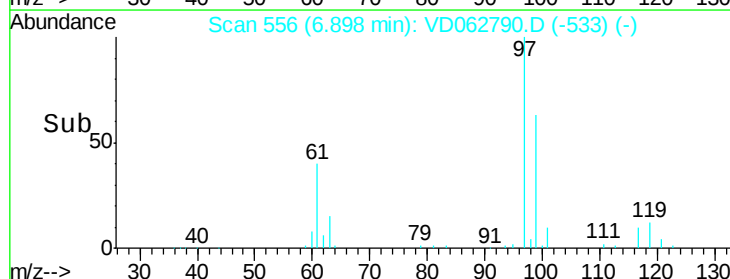
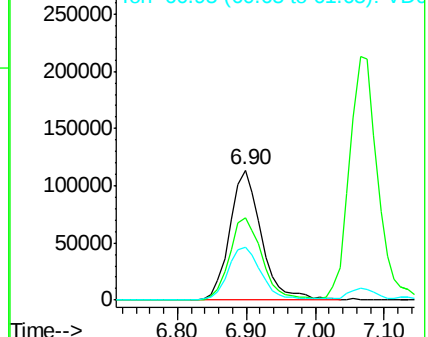
97 100

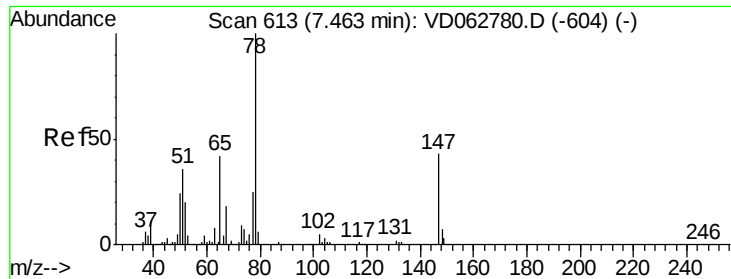
99 63.2 47.4 71.2

61 40.4 37.2 55.8



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

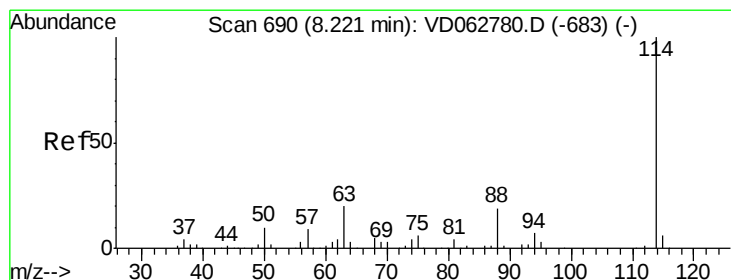
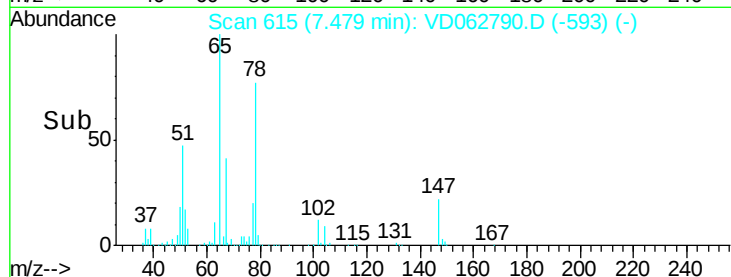
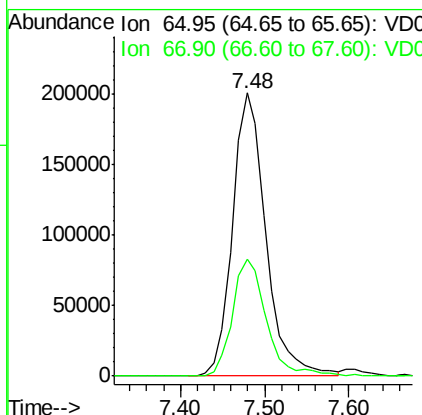
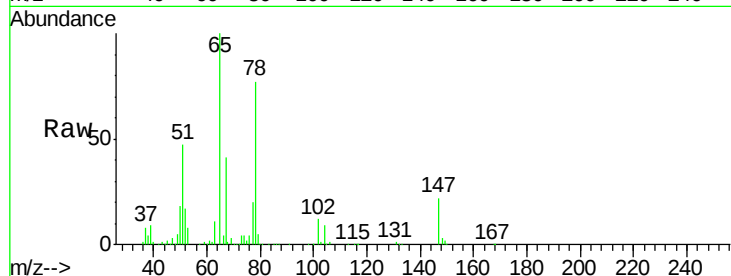




#33
 1,2-Dichloroethane-d4
 Concen: 52.976 ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.02 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

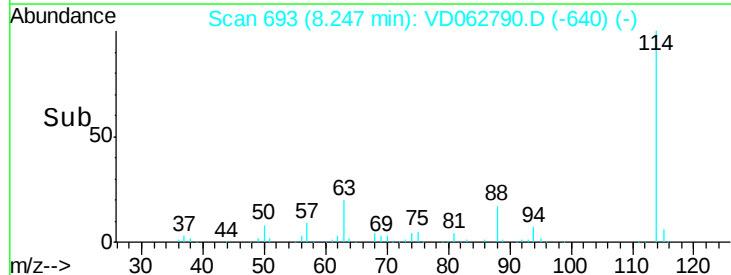
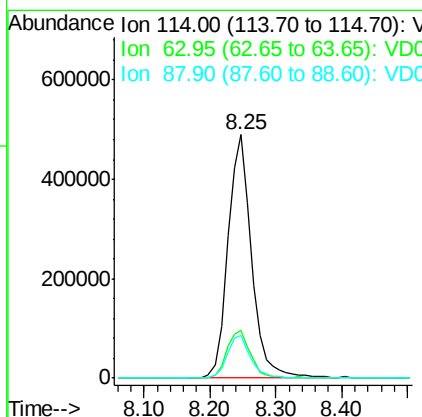
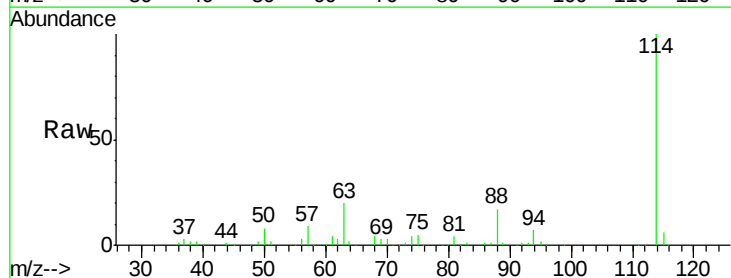
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

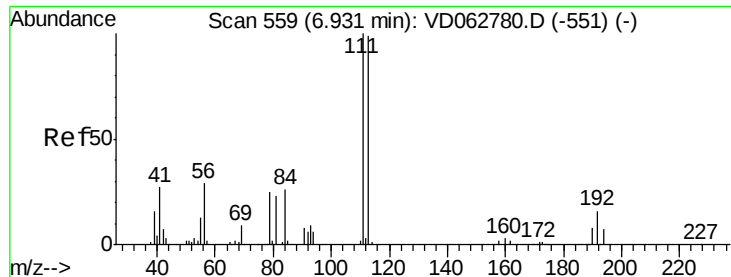
Tot Ion: 65 Resp: 552764
 Ion Ratio Lower Upper
 65 100
 67 41.4 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 693
 Delta R.T. 0.03 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

Tgt Ion: 114 Resp: 1232958
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 17.5 0.0 38.8

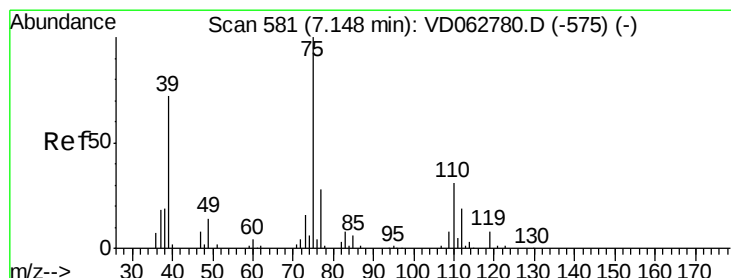
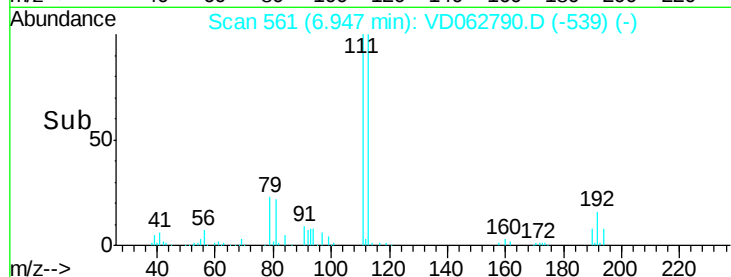
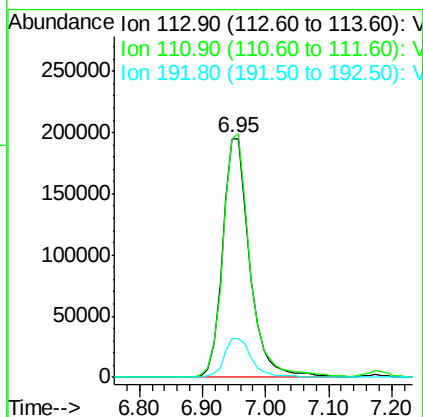
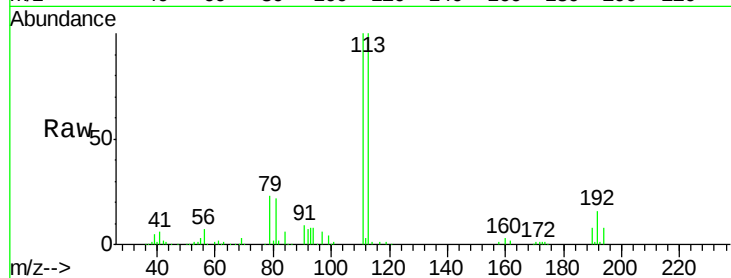




#35
Dibromofluoromethane
Concen: 55.736 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.02 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

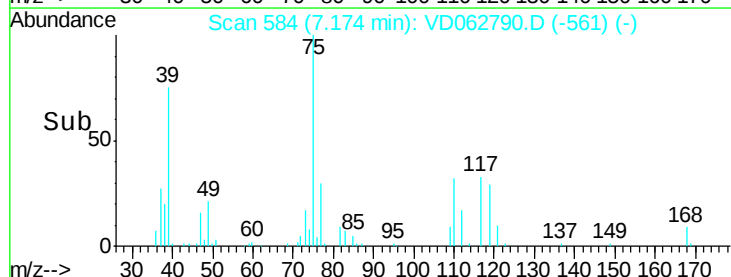
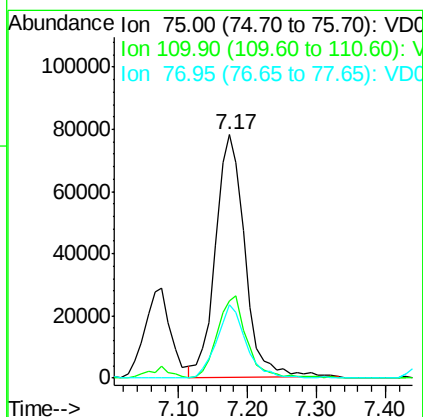
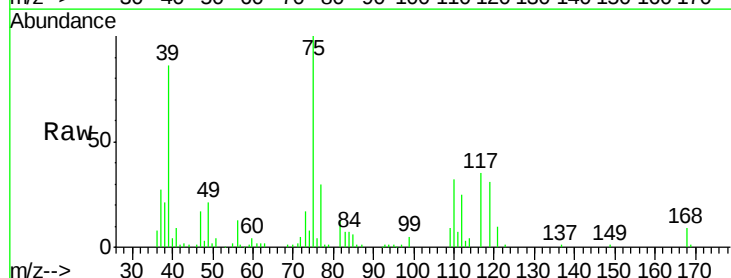
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

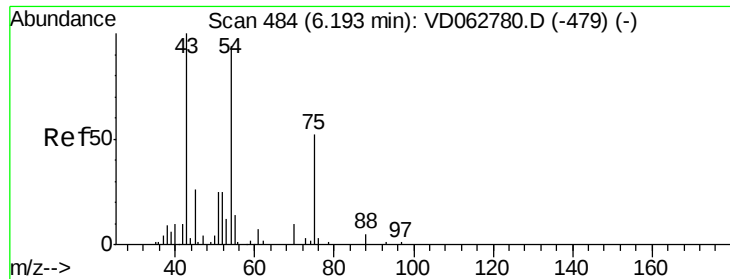
Tot Ion:113 Resp: 579445
Ion Ratio Lower Upper
113 100
111 99.8 81.2 121.8
192 16.0 12.9 19.3



#36
1,1-Dichloropropene
Concen: 19.690 ug/l
RT: 7.17 min Scan# 584
Delta R.T. 0.03 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Tgt Ion: 75 Resp: 229819
Ion Ratio Lower Upper
75 100
110 31.6 15.0 45.1
77 30.1 22.2 33.2

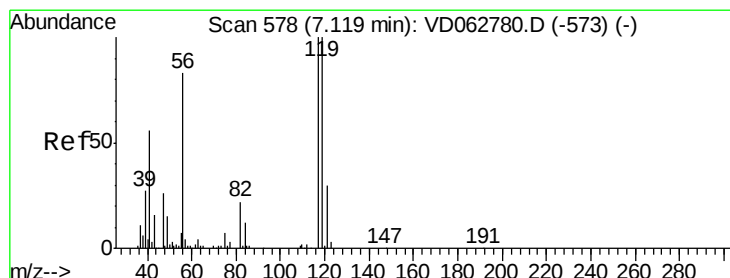
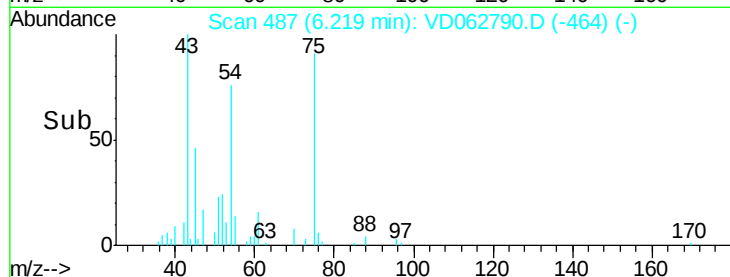
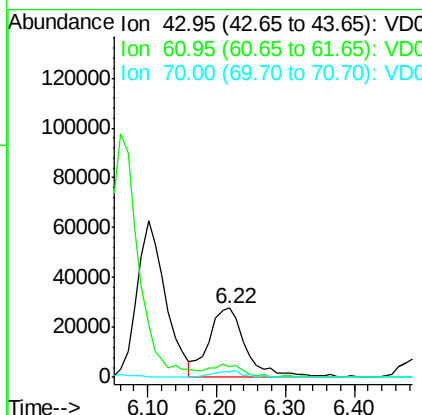
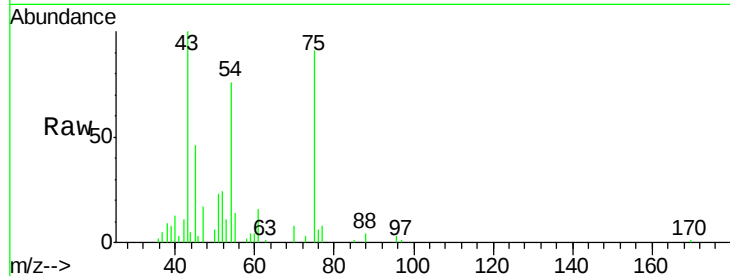




#37
Ethyl Acetate
Concen: 20.076 ug/l
RT: 6.22 min Scan# 487
Delta R.T. 0.03 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

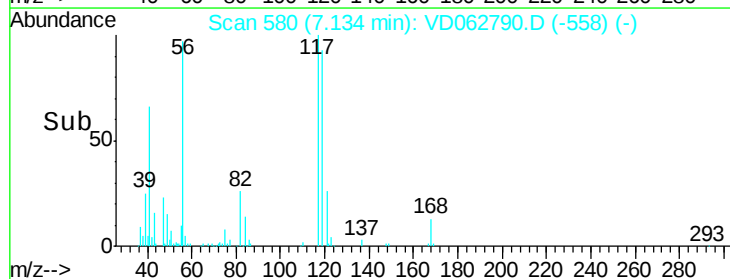
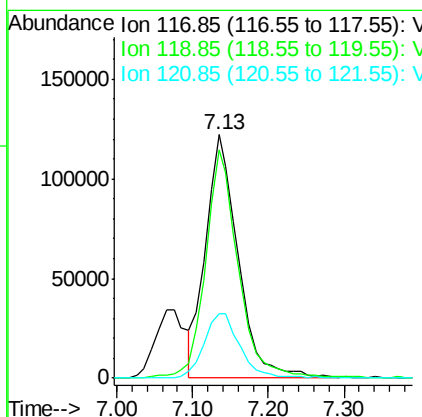
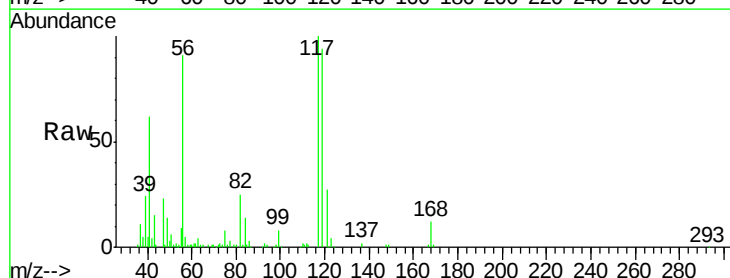
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion: 43 Resp: 101662
Ion Ratio Lower Upper
43 100
61 16.1 11.6 17.4
70 8.2 6.4 9.6



#38
Carbon Tetrachloride
Concen: 20.713 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.02 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Tgt Ion: 117 Resp: 363592
Ion Ratio Lower Upper
117 100
119 93.8 75.4 113.2
121 26.6 22.3 33.5





#39

Methvlcvclohexane

Concen: 20.087 ug/l

RT: 8.89 min Scan# 758

Delta R.T. 0.02 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD02

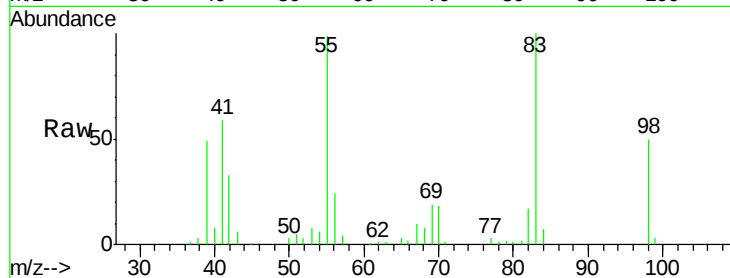
Tot Ion: 83 Resp: 206369

Ion Ratio Lower Upper

83 100

55 99.0 76.6 115.0

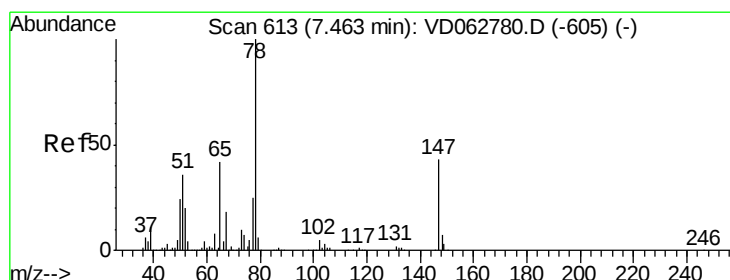
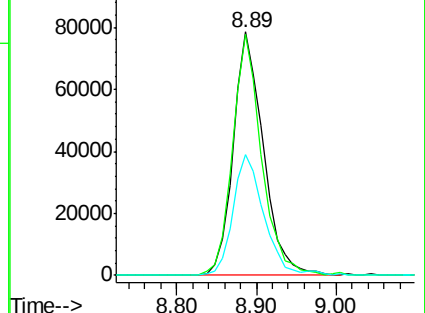
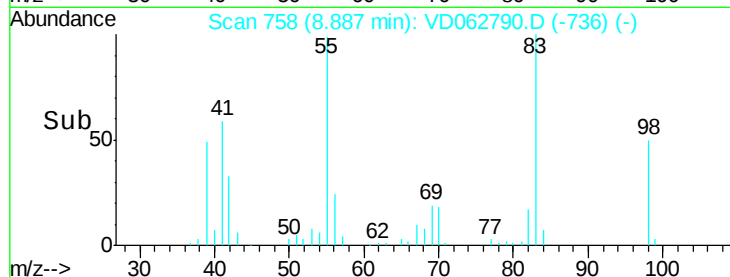
98 49.7 35.7 53.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.940 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD062790.D

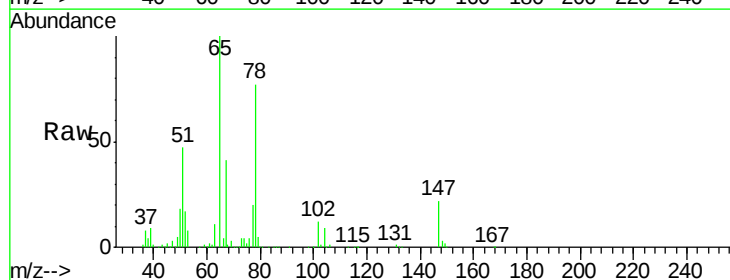
Acq: 20 Jun 2019 13:32

Tgt Ion: 78 Resp: 467171

Ion Ratio Lower Upper

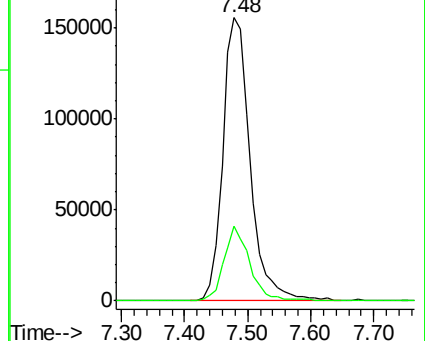
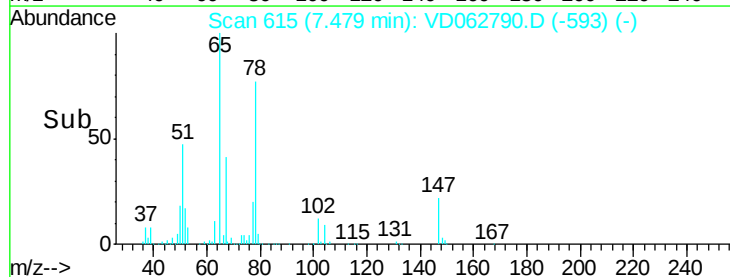
78 100

77 26.2 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

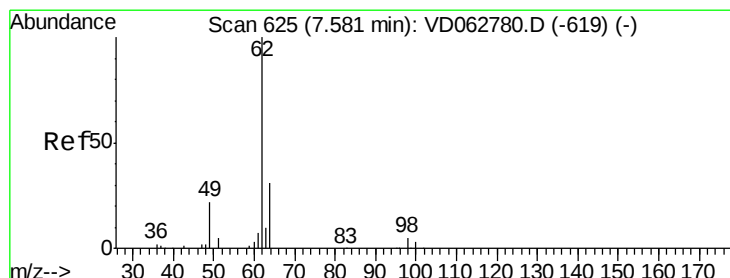
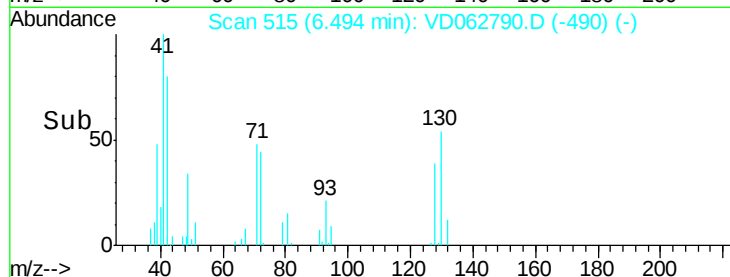
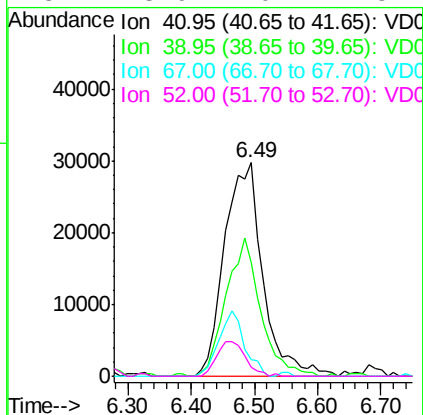
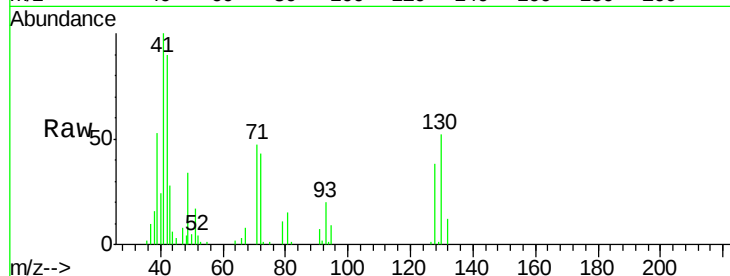




#41
Methacrylonitrile
Concen: 20.330 ug/l
RT: 6.49 min Scan# 515
Delta R.T. 0.05 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

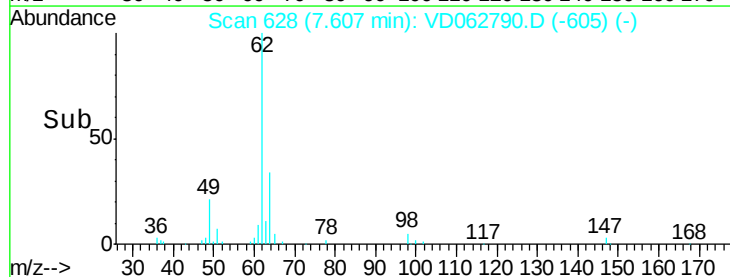
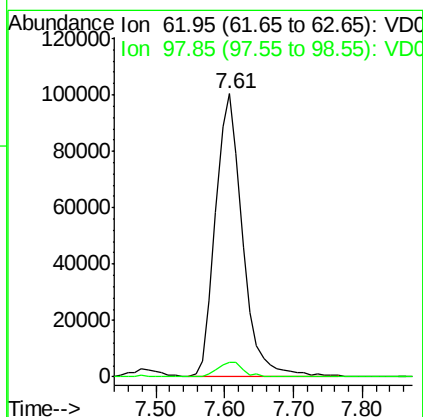
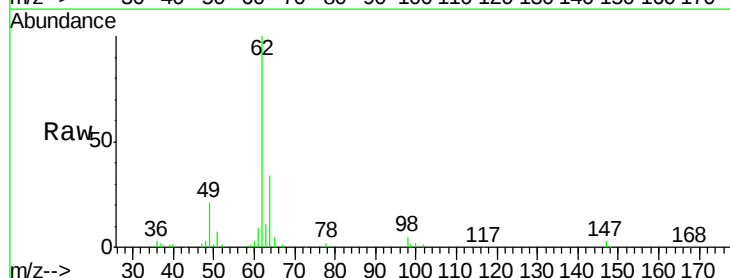
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

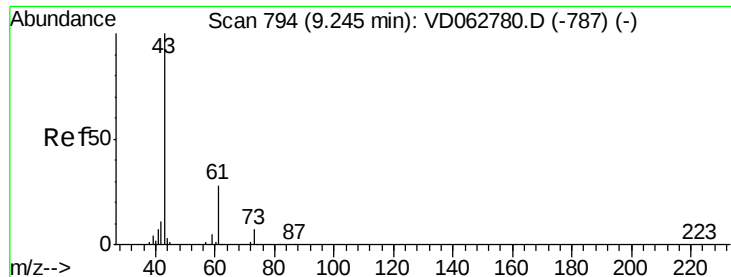
Tot Ion: 41 Resp: 125136
Ion Ratio Lower Upper
41 100
39 53.1 43.2 64.8
67 7.8 19.9 29.9#
52 3.9 10.2 15.4#



#42
1,2-Dichloroethane
Concen: 21.506 ug/l
RT: 7.61 min Scan# 628
Delta R.T. 0.03 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Tgt Ion: 62 Resp: 274862
Ion Ratio Lower Upper
62 100
98 5.3 0.0 10.0



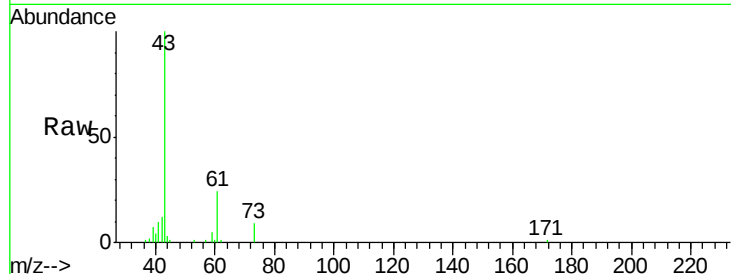


#43

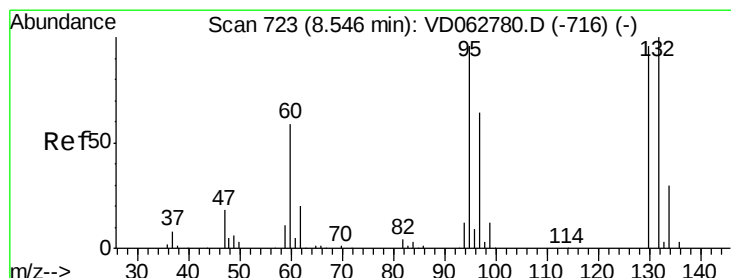
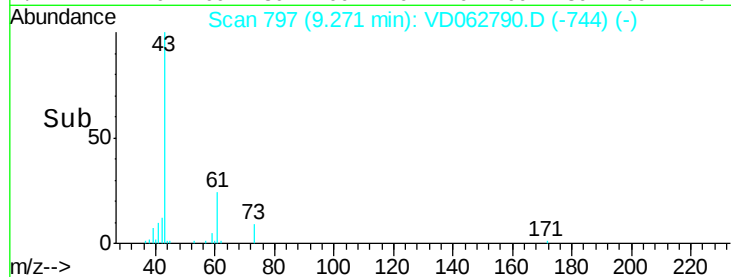
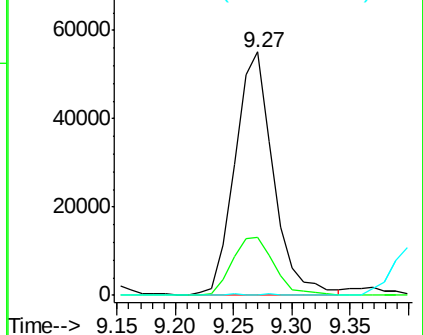
Isopropyl Acetate
 Concen: 20.595 ug/l
 RT: 9.27 min Scan# 797
 Delta R.T. 0.03 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

Tot Ion: 43 Resp: 126020
 Ion Ratio Lower Upper
 43 100
 61 23.9 22.4 33.6
 87 0.0 0.3 0.5#



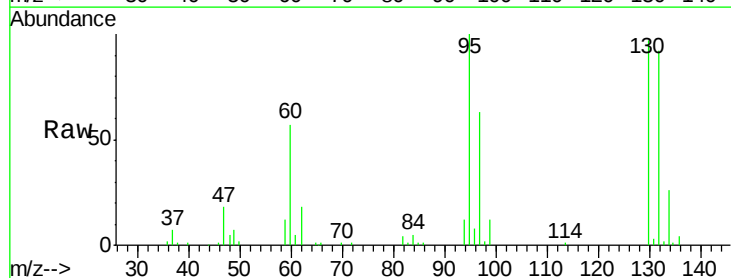
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



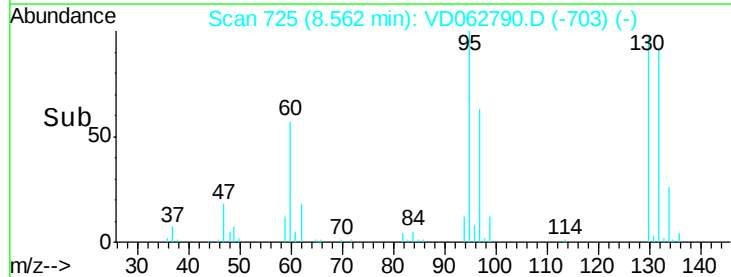
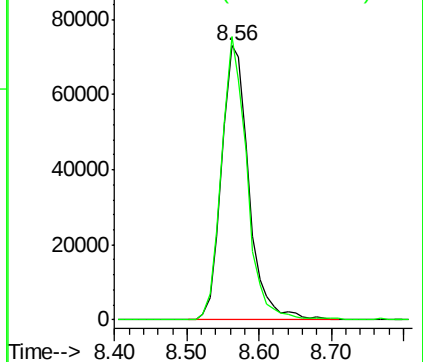
#44

Trichloroethene
 Concen: 20.774 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.02 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

Tgt Ion:130 Resp: 190808
 Ion Ratio Lower Upper
 130 100
 95 103.3 0.0 201.6



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





#45

1,2-Dichloropropane

Concen: 20.743 ug/l

RT: 8.97 min Scan# 766

Delta R.T. 0.02 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

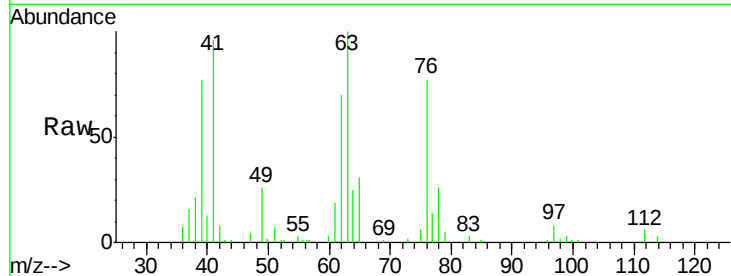
VD0620SBSD02

Tot Ion: 63 Resp: 120843

Ion Ratio Lower Upper

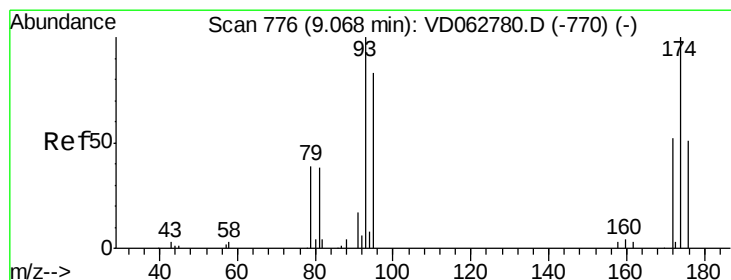
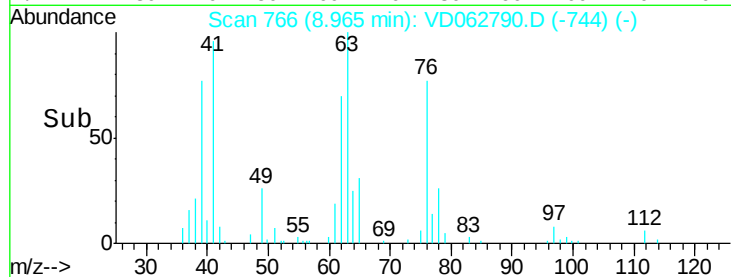
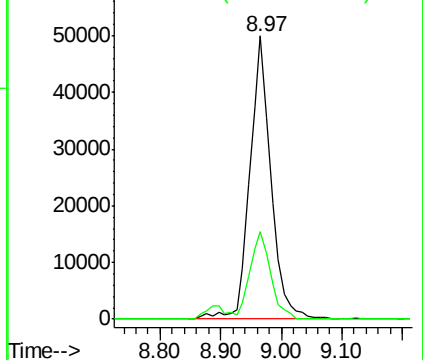
63 100

65 31.1 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.708 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.03 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

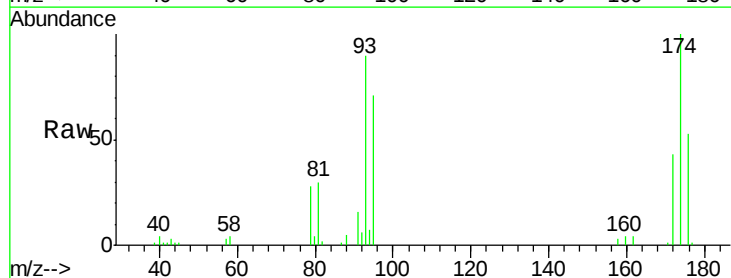
Tgt Ion: 93 Resp: 98627

Ion Ratio Lower Upper

93 100

95 78.5 66.6 100.0

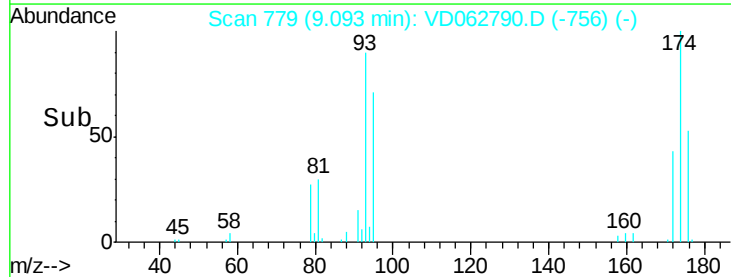
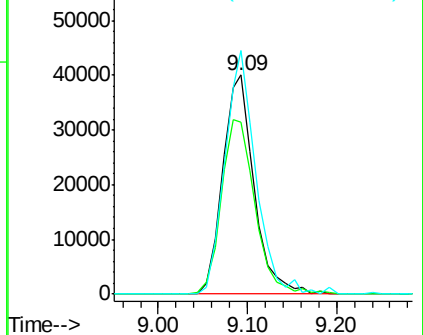
174 111.3 79.7 119.5



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: 20.345 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.02 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD02

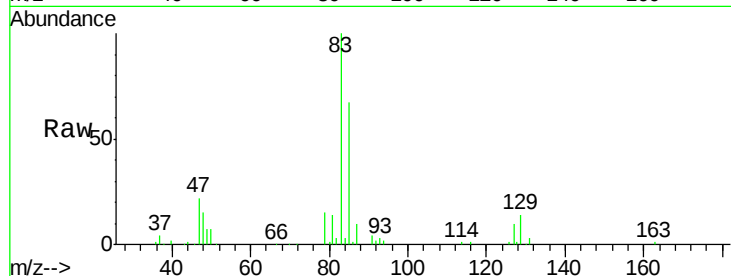
Tot Ion: 83 Resp: 264417

Ion Ratio Lower Upper

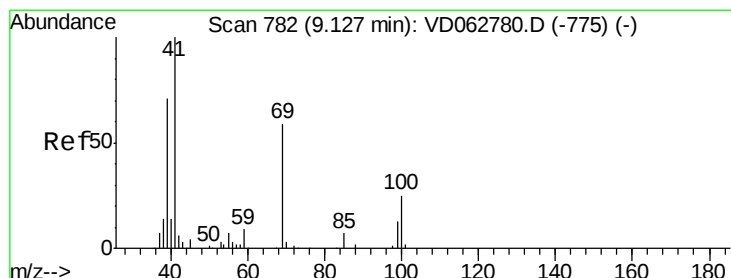
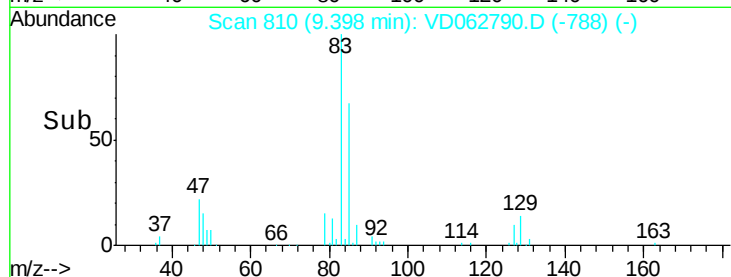
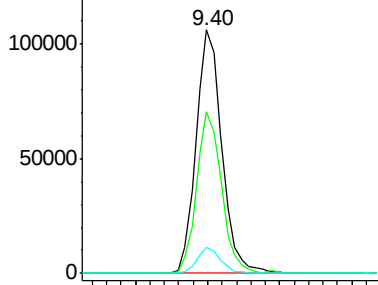
83 100

85 66.6 51.6 77.4

127 10.5 7.8 11.6



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



#48

Methyl methacrylate

Concen: 21.380 ug/l

RT: 9.15 min Scan# 785

Delta R.T. 0.03 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

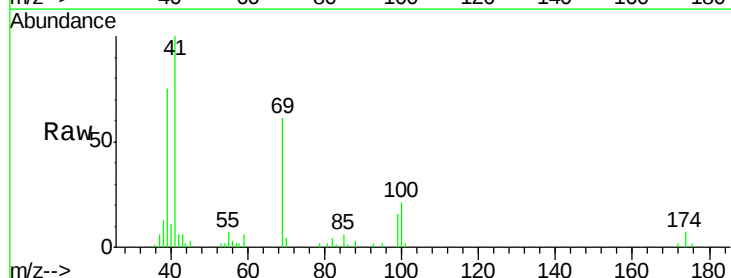
Tgt Ion: 41 Resp: 92969

Ion Ratio Lower Upper

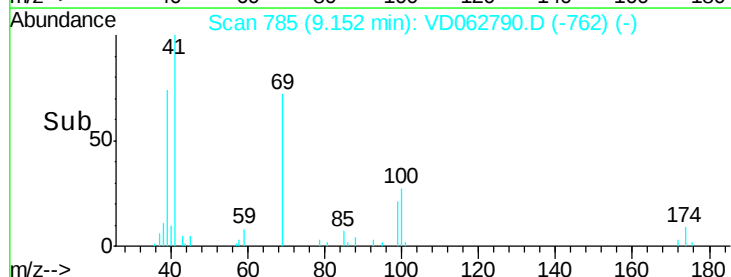
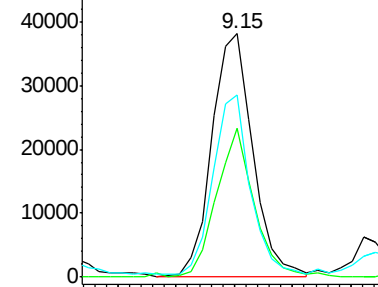
41 100

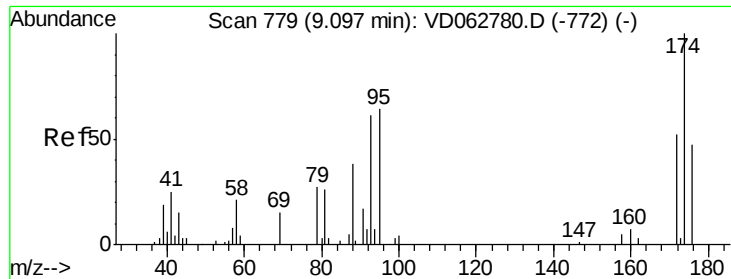
69 61.4 47.2 70.8

39 74.9 57.4 86.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

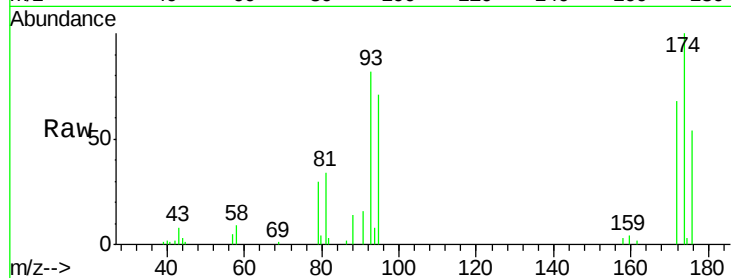




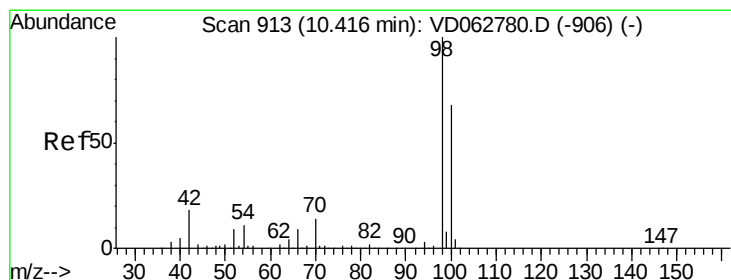
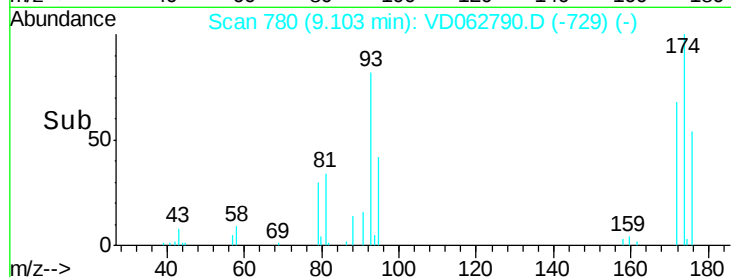
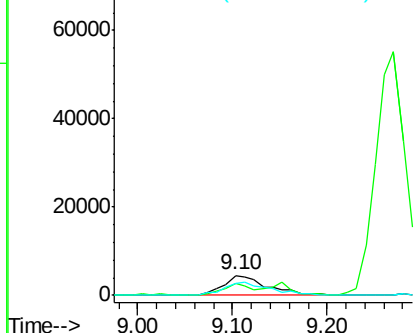
#49
1,4-Dioxane
Concen: 388.283 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.01 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

Tot Ion: 88 Resp: 14047
Ion Ratio Lower Upper
88 100
43 57.0 32.1 48.1#
58 60.9 44.1 66.1

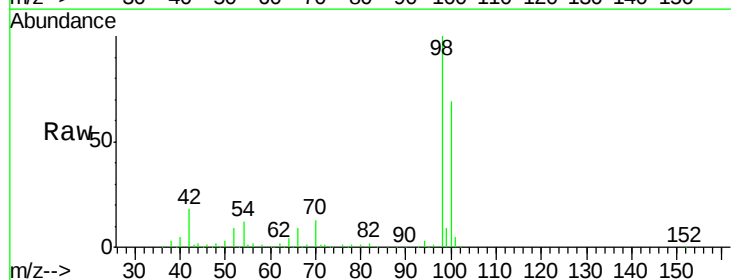


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

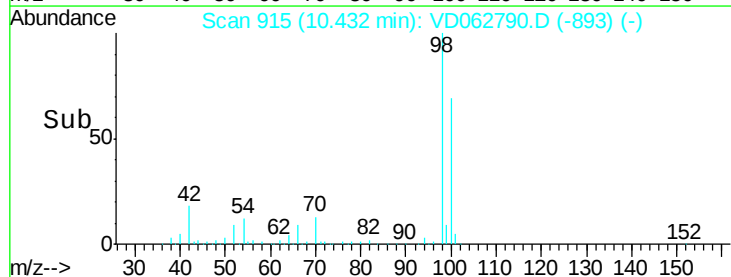
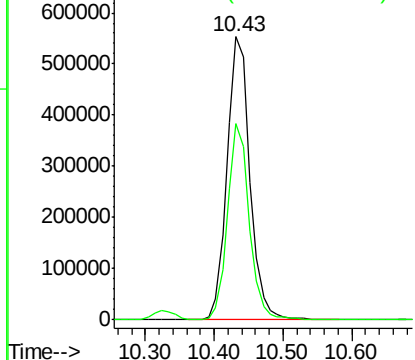


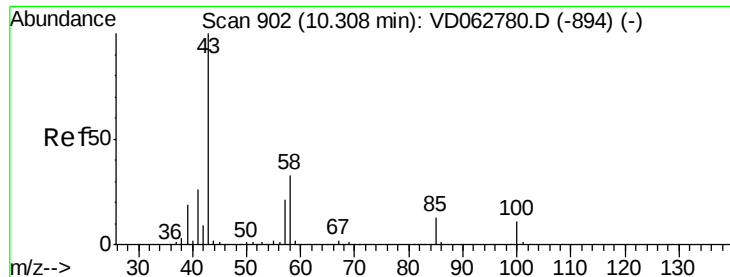
#50
Toluene-d8
Concen: 56.201 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.02 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Tgt Ion: 98 Resp: 1271650
Ion Ratio Lower Upper
98 100
100 69.3 54.7 82.1



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





#51

4-Methyl-2-Pentanone

Concen: 96.949 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

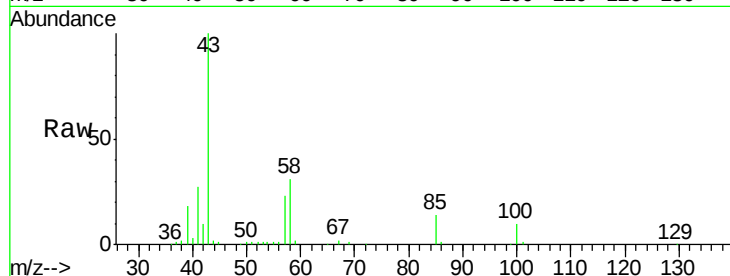
VD0620SBSD02

Tot Ion: 43 Resp: 420604

Ion Ratio Lower Upper

43 100

58 30.8 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

200000

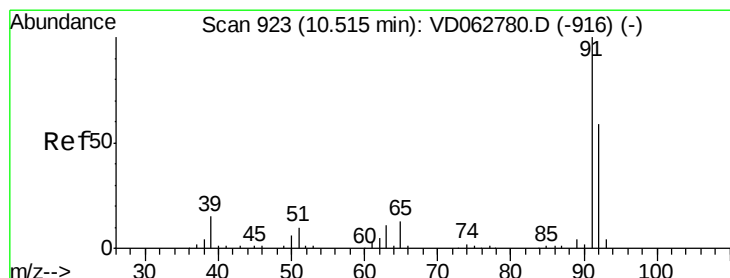
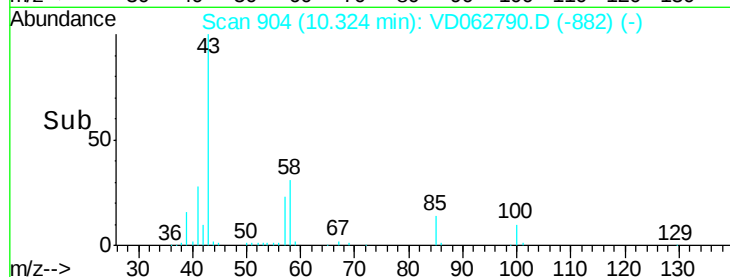
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.632 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD062790.D

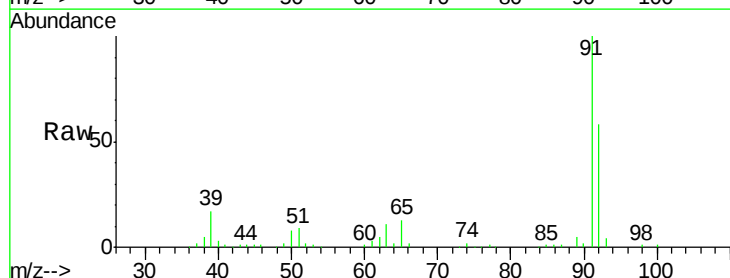
Acq: 20 Jun 2019 13:32

Tgt Ion: 92 Resp: 309181

Ion Ratio Lower Upper

92 100

91 173.7 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.53

250000

200000

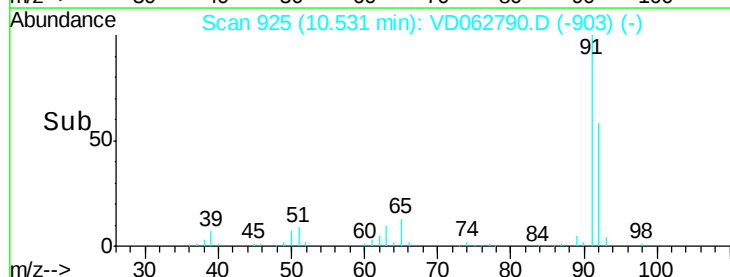
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.126 ug/l

RT: 10.93 min Scan# 966

Delta R.T. 0.02 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

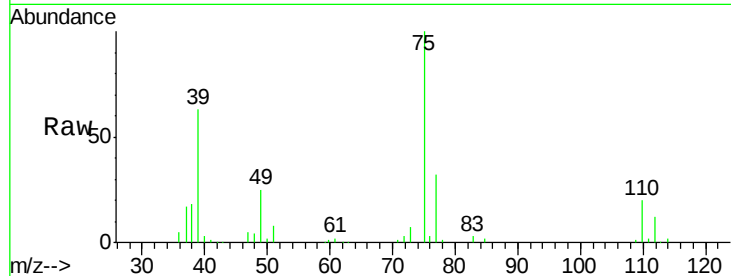
VD0620SBSD02

Tot Ion: 75 Resp: 214093

Ion Ratio Lower Upper

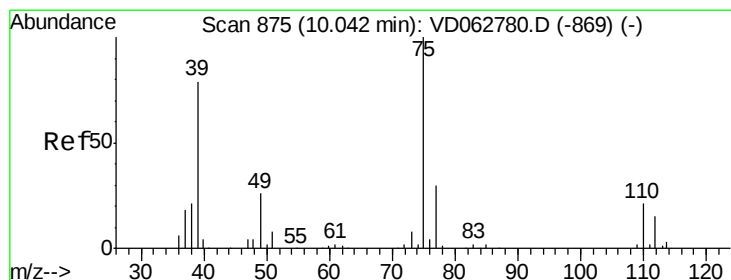
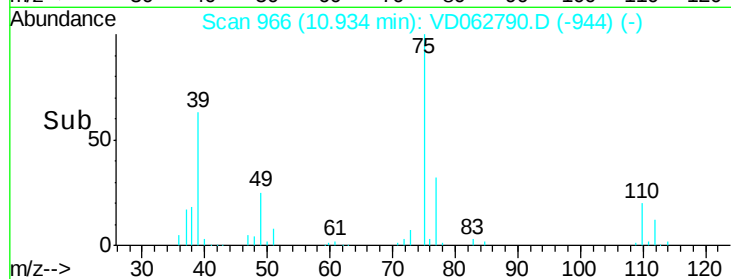
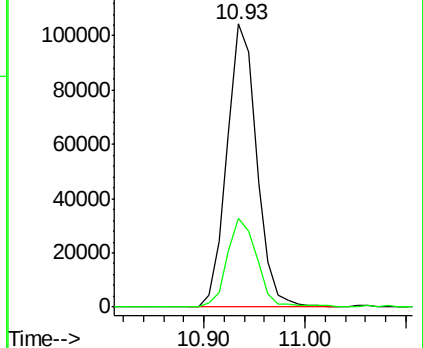
75 100

77 31.5 23.2 34.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.767 ug/l

RT: 10.07 min Scan# 878

Delta R.T. 0.03 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

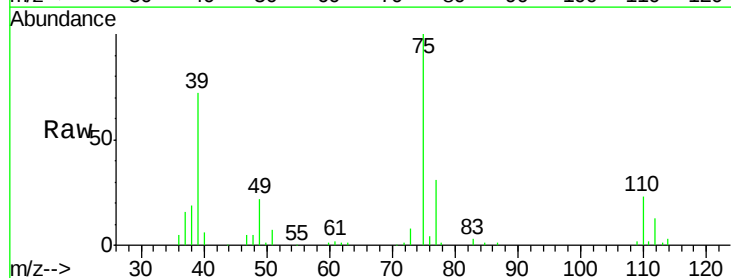
Tgt Ion: 75 Resp: 240114

Ion Ratio Lower Upper

75 100

77 30.6 24.2 36.2

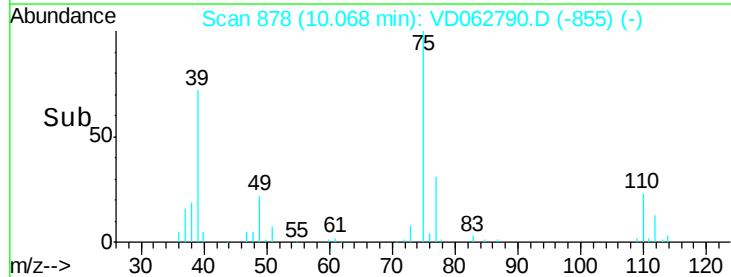
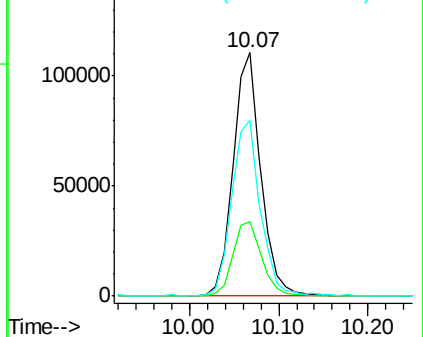
39 71.9 63.5 95.3

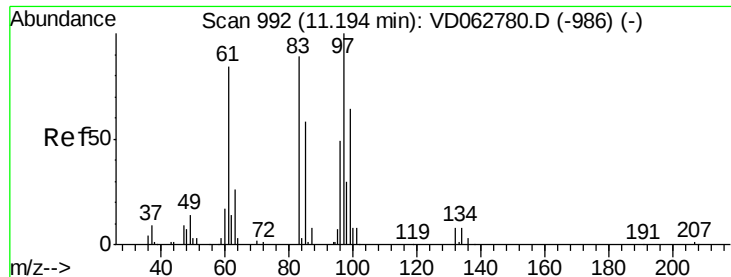


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

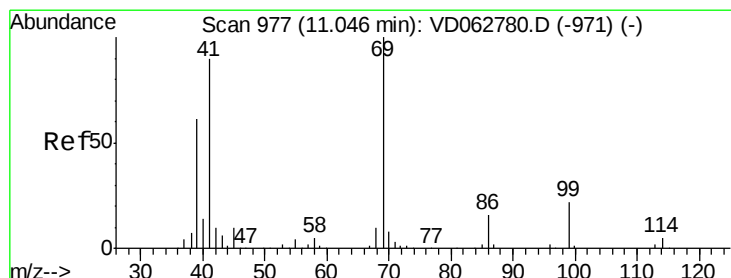
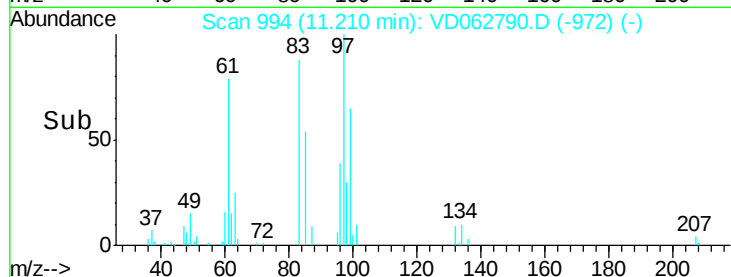
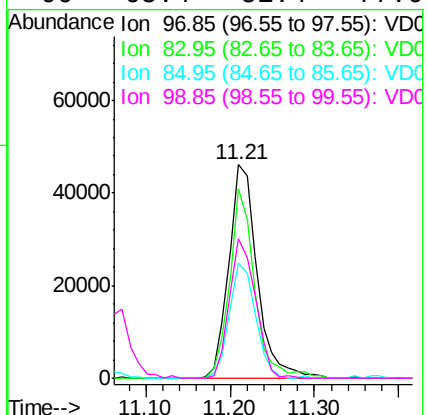
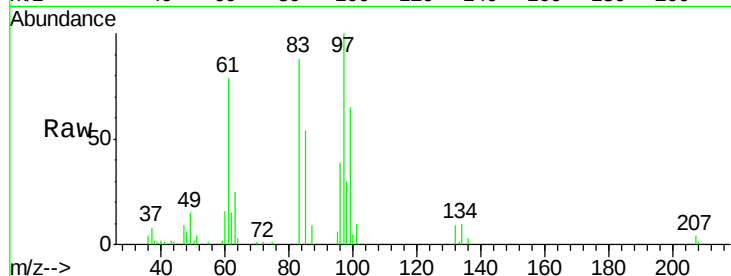




#55
1,1,2-Trichloroethane
Concen: 20.145 ug/l
RT: 11.21 min Scan# 994
Delta R.T. 0.02 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

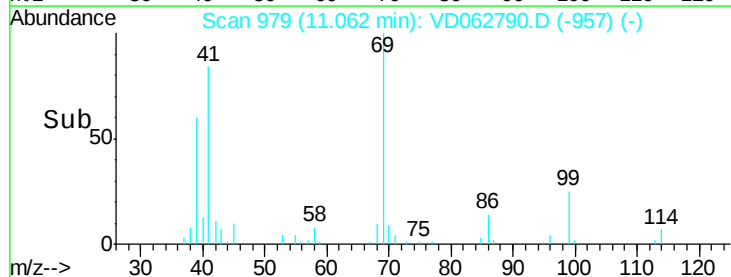
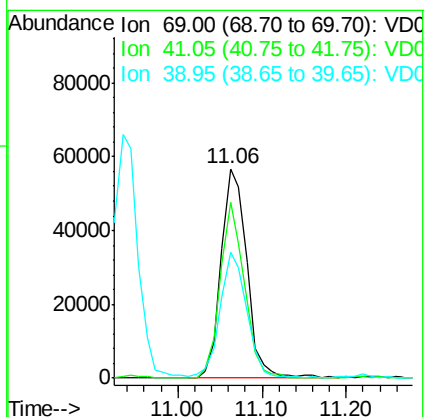
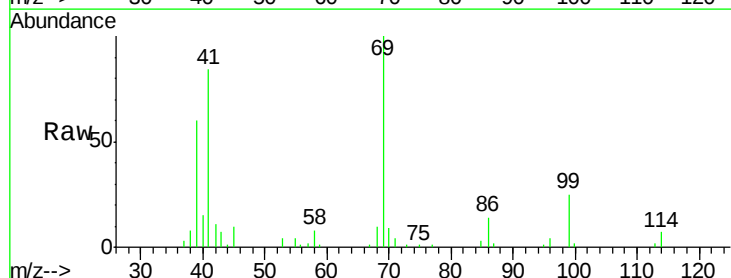
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

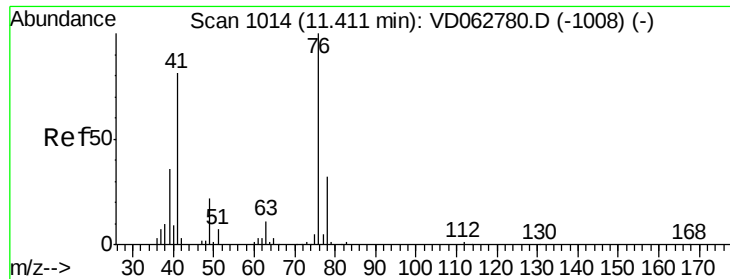
Tot Ion: 97 Resp: 109000
Ion Ratio Lower Upper
97 100
83 88.5 71.0 106.4
85 53.8 46.6 69.8
99 65.4 51.4 77.0



#56
Ethyl methacrylate
Concen: 20.827 ug/l
RT: 11.06 min Scan# 979
Delta R.T. 0.02 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Tgt Ion: 69 Resp: 120429
Ion Ratio Lower Upper
69 100
41 84.1 72.0 108.0
39 60.4 49.5 74.3

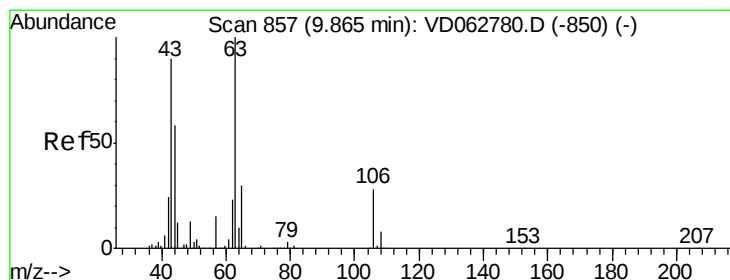
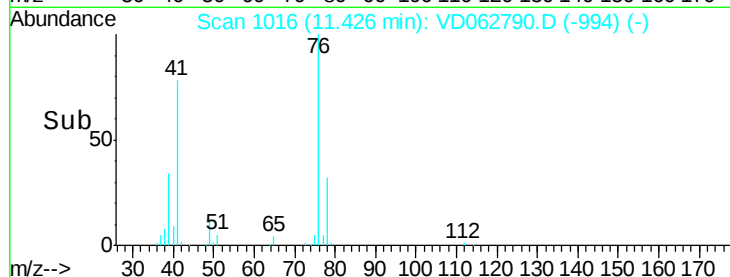
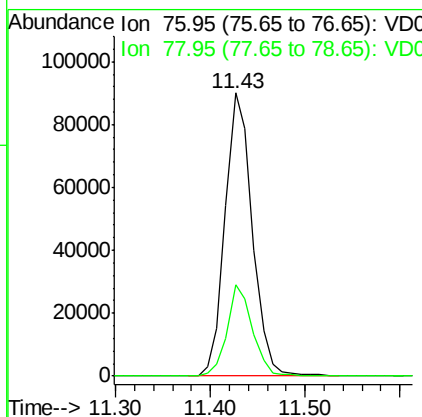
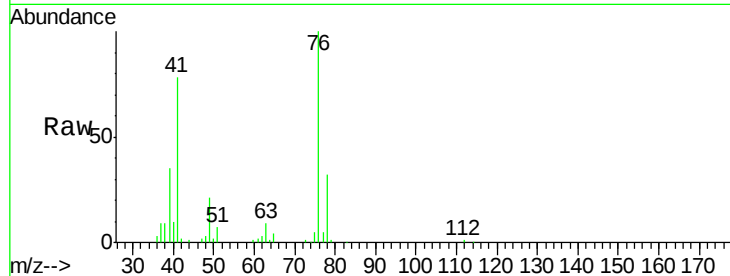




#57
 1,3-Dichloropropane
 Concen: 21.683 ug/l
 RT: 11.43 min Scan# 1016
 Delta R.T. 0.02 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

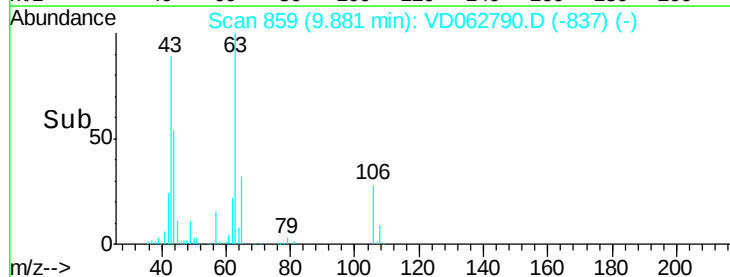
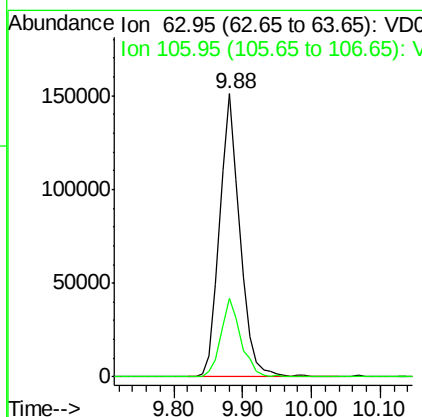
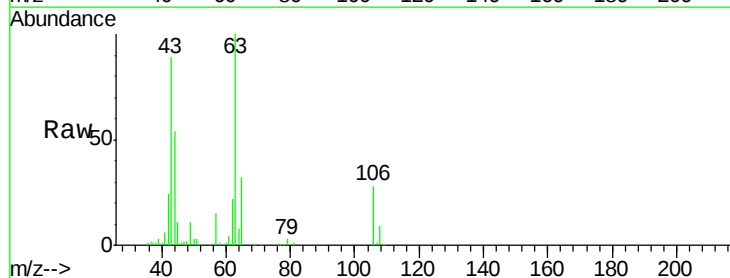
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

Tot Ion: 76 Resp: 179637
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.255 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.02 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

Tgt Ion: 63 Resp: 309488
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.1 33.1

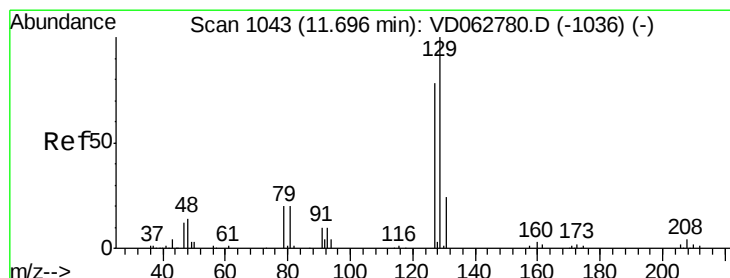
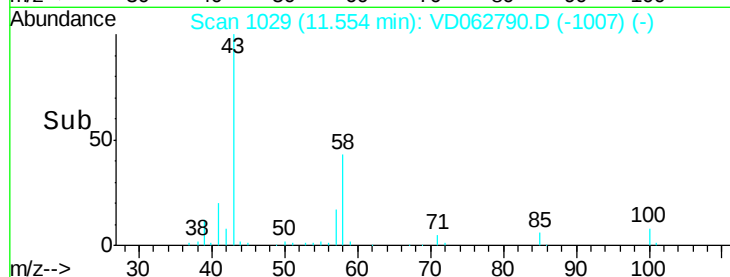
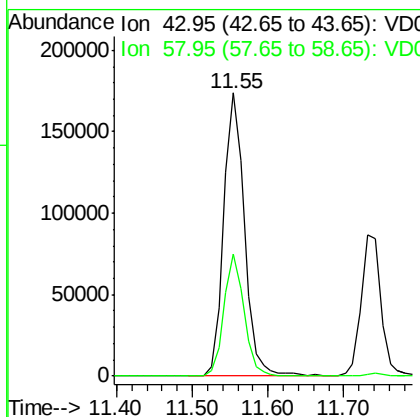
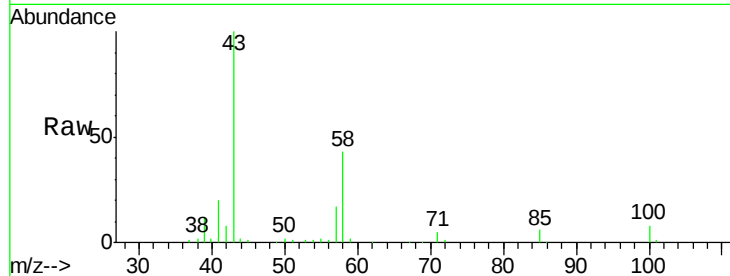




#59
2-Hexanone
Concen: 107.407 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.02 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

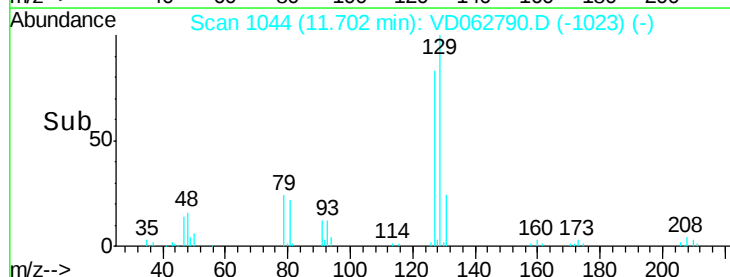
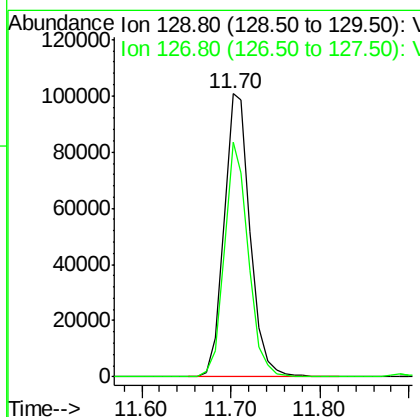
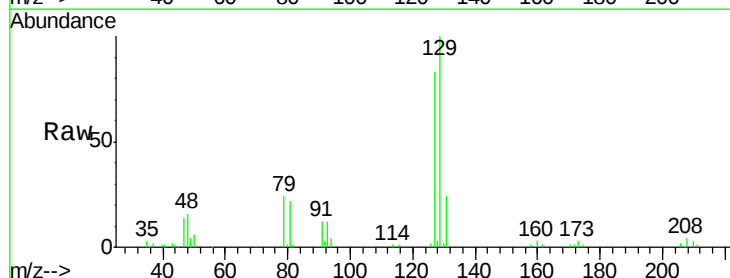
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

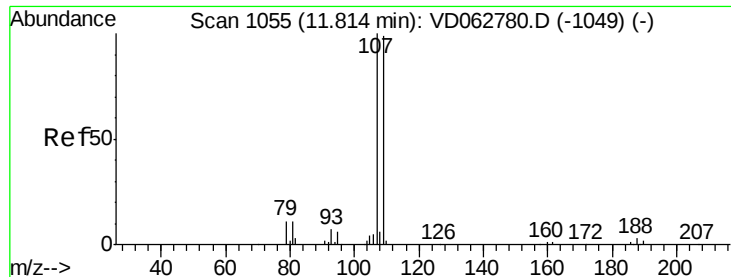
Tot Ion: 43 Resp: 331862
Ion Ratio Lower Upper
43 100
58 43.2 22.4 67.2



#60
Dibromochloromethane
Concen: 20.552 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Tgt Ion: 129 Resp: 207126
Ion Ratio Lower Upper
129 100
127 82.8 38.9 116.6

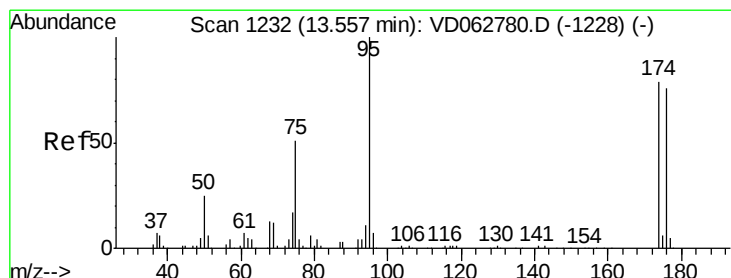
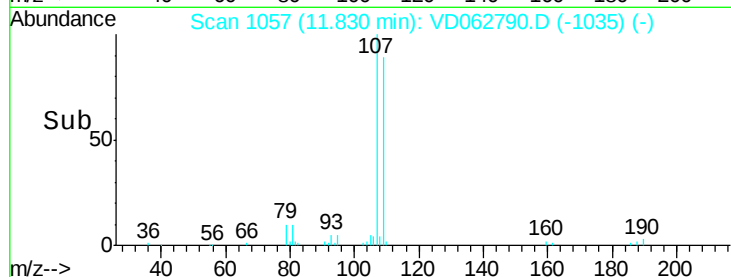
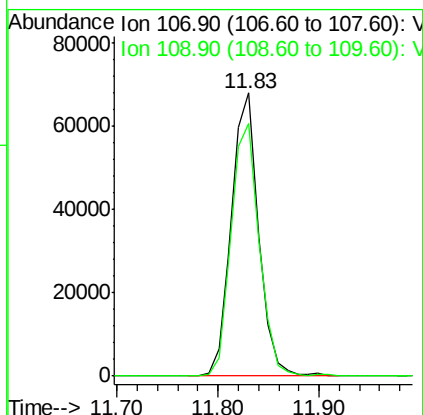
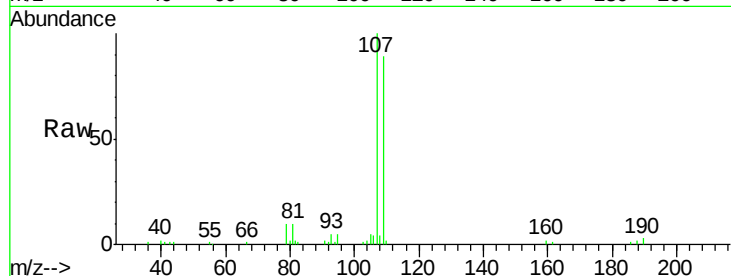




#61
 1,2-Dibromoethane
 Concen: 19.913 ug/l
 RT: 11.83 min Scan# 1057
 Delta R.T. 0.02 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

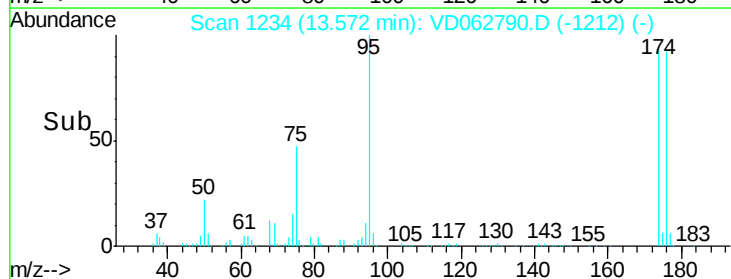
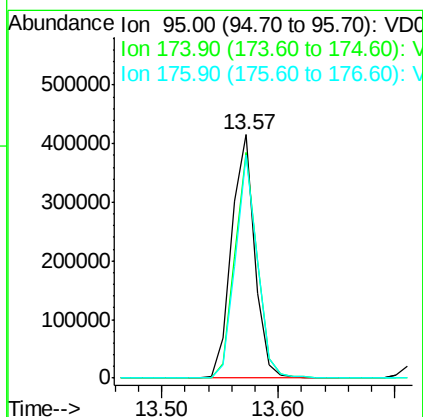
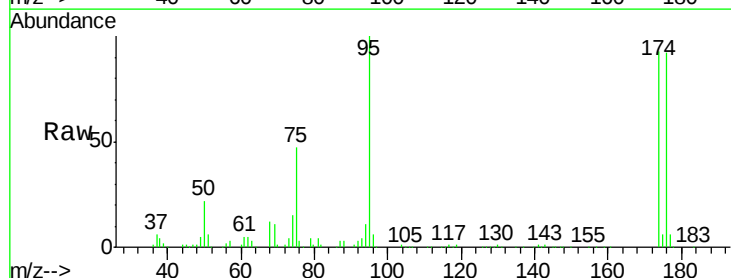
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

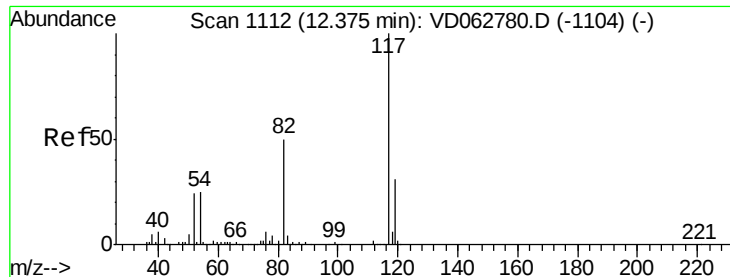
Tot Ion:107 Resp: 127248
 Ion Ratio Lower Upper
 107 100
 109 89.4 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 55.533 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

Tgt Ion: 95 Resp: 571357
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 158.0
 176 91.7 0.0 151.6

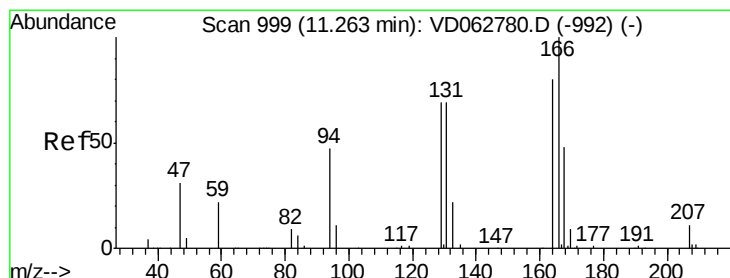
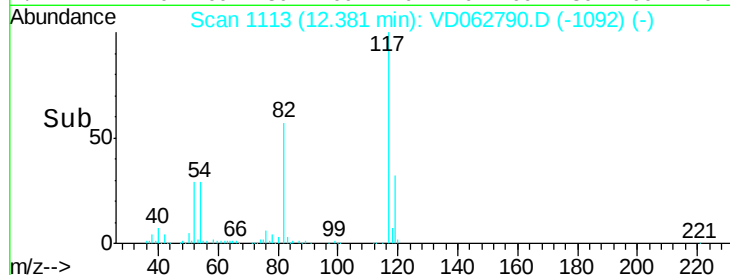
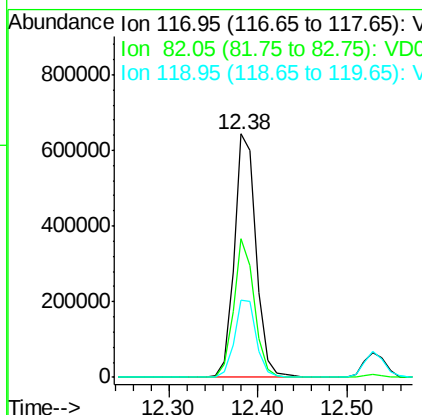
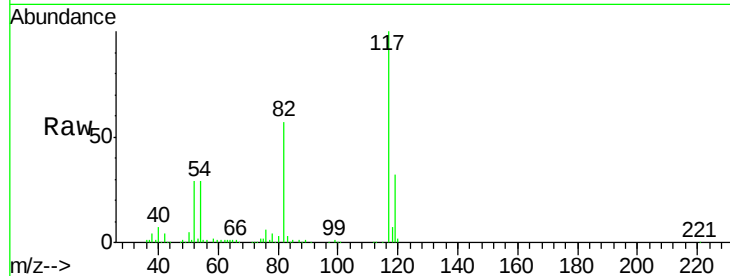




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

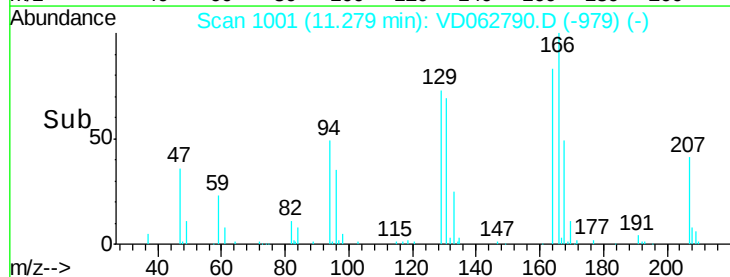
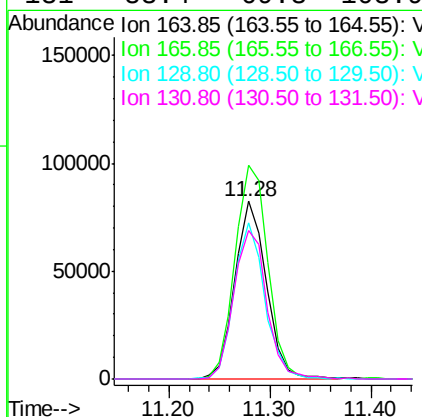
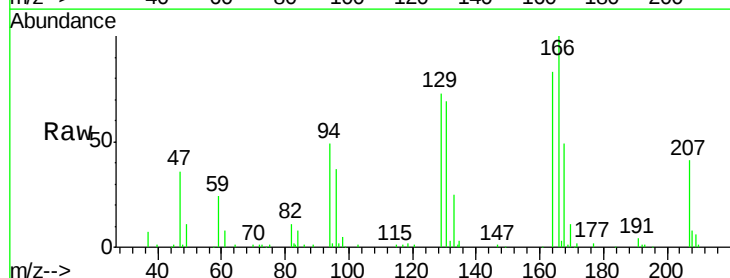
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

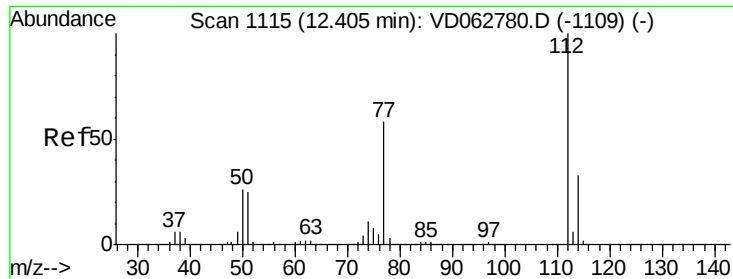
Tot Ion:117 Resp: 1101841
Ion Ratio Lower Upper
117 100
82 56.9 40.4 60.6
119 31.9 25.2 37.8



#64
Tetrachloroethene
Concen: 19.810 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Tgt Ion:164 Resp: 179641
Ion Ratio Lower Upper
164 100
166 120.4 100.6 150.8
129 88.0 69.4 104.0
131 83.4 69.3 103.9

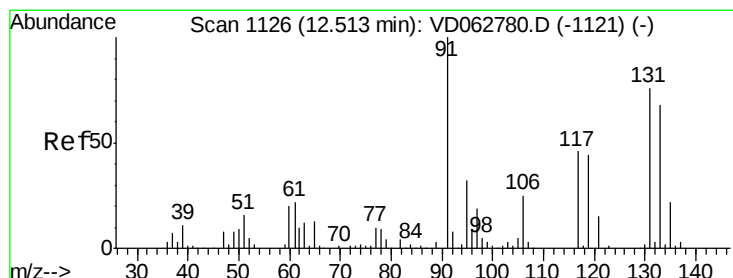
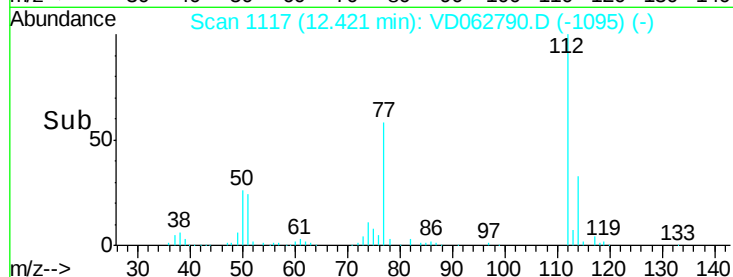
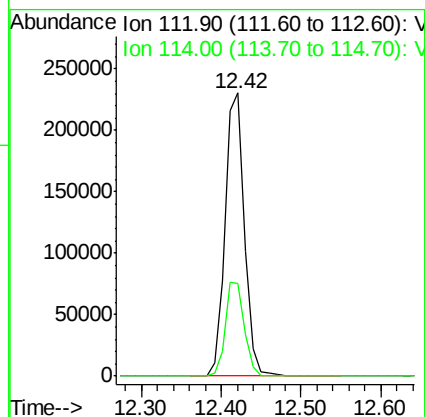
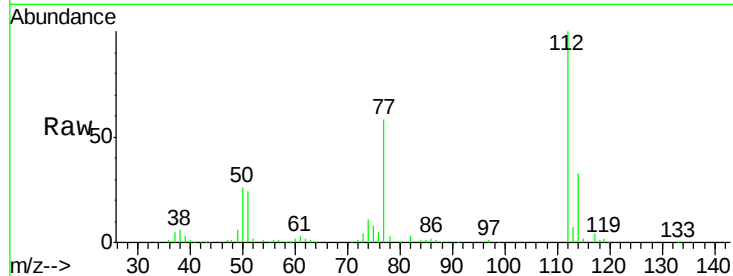




#65
Chlorobenzene
Concen: 19.342 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.02 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

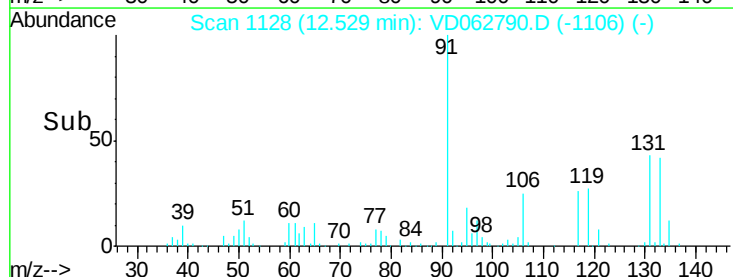
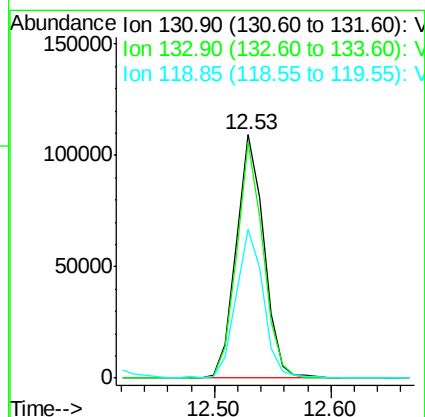
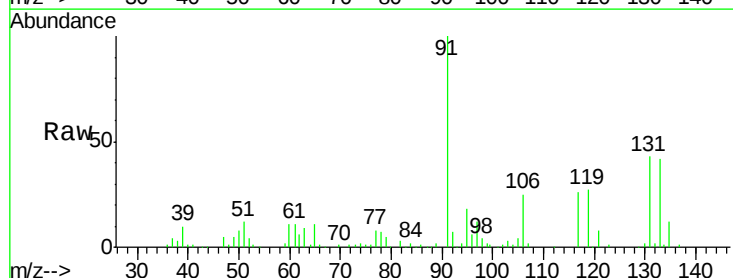
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

Tot Ion:112 Resp: 395527
Ion Ratio Lower Upper
112 100
114 33.0 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 18.883 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Tgt Ion:131 Resp: 180585
Ion Ratio Lower Upper
131 100
133 96.9 44.5 133.3
119 61.4 28.6 85.9

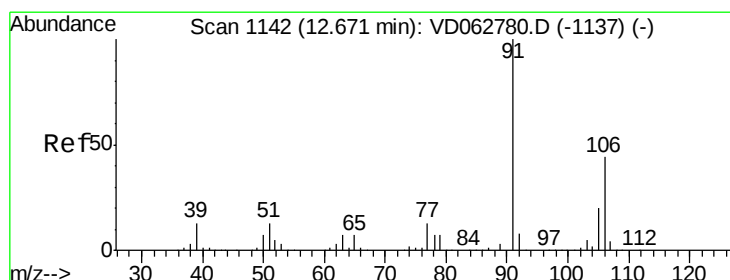
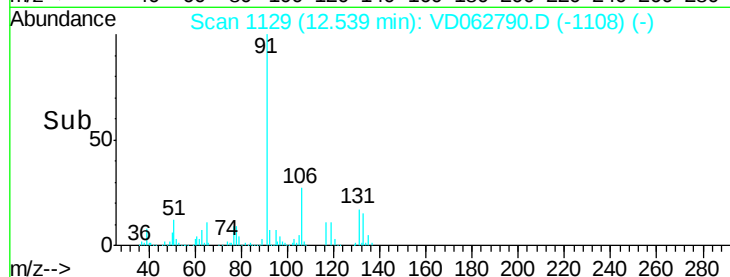
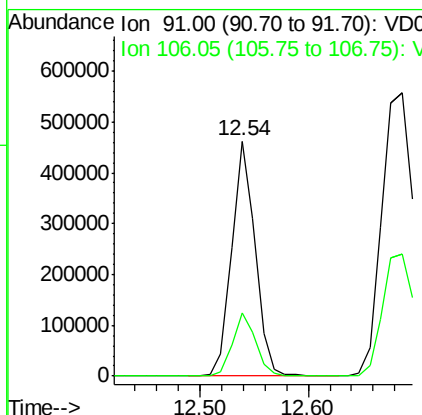
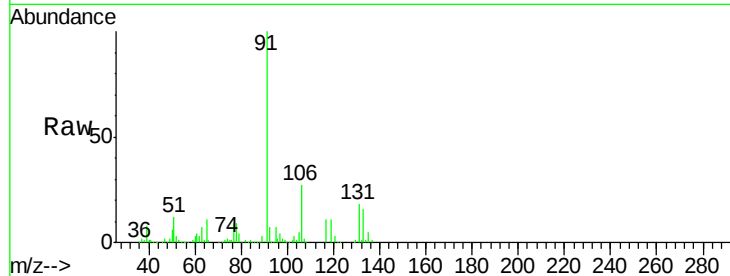




#67
Ethyl Benzene
Concen: 19.054 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

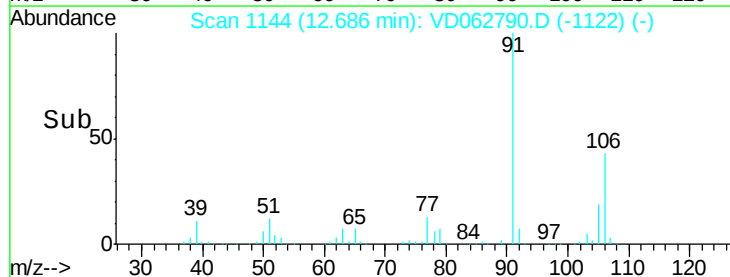
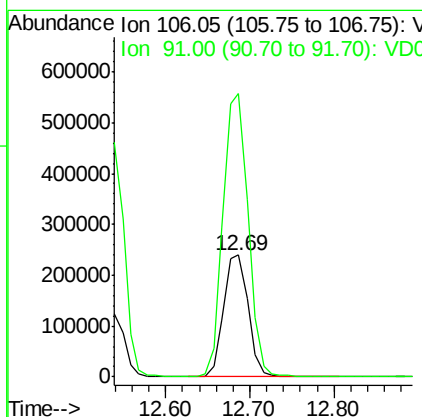
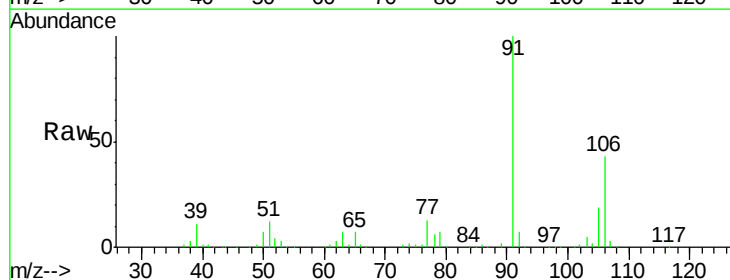
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

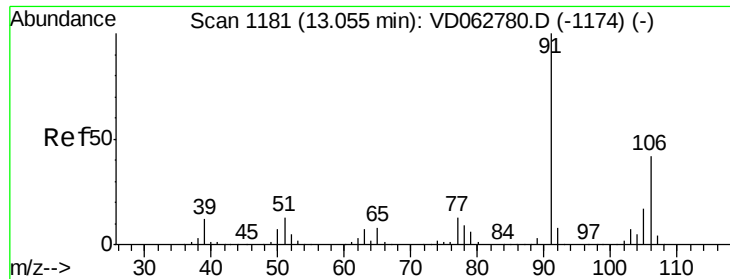
Tot Ion: 91 Resp: 699553
Ion Ratio Lower Upper
91 100
106 26.9 23.1 34.7



#68
m/p-Xylenes
Concen: 38.064 ug/l
RT: 12.69 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Tgt Ion: 106 Resp: 486722
Ion Ratio Lower Upper
106 100
91 232.4 183.0 274.6

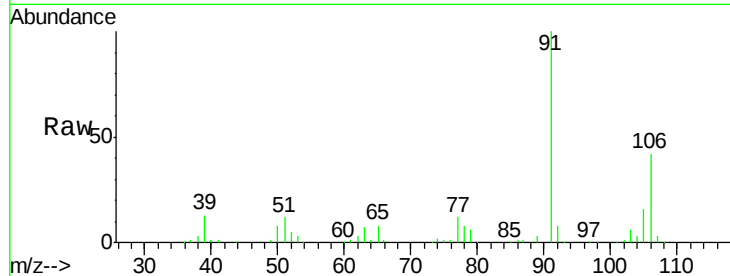




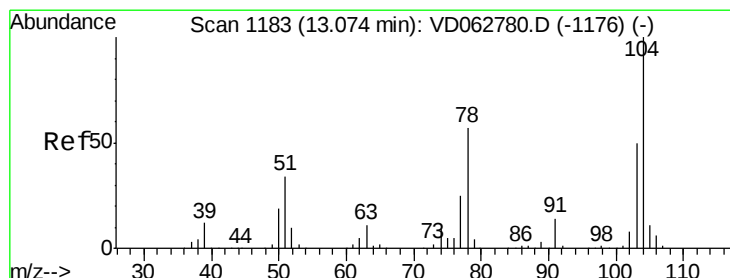
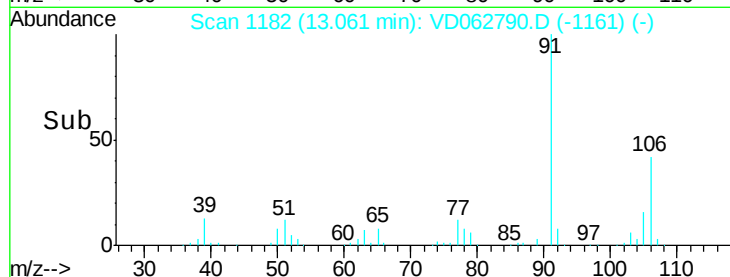
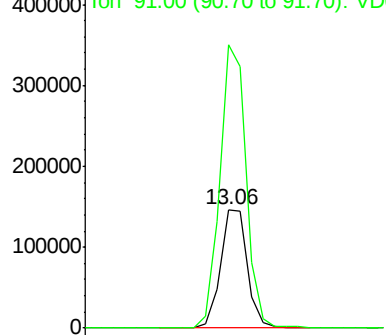
#69
o-Xylene
Concen: 19.921 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

Tot Ion:106 Resp: 232858
Ion Ratio Lower Upper
106 100
91 238.1 117.9 353.6

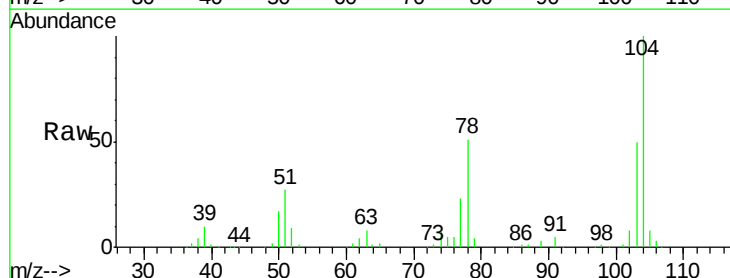


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

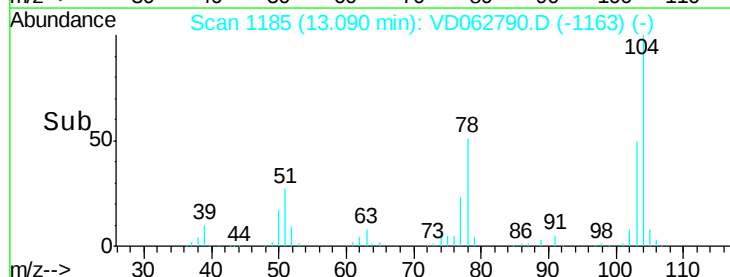
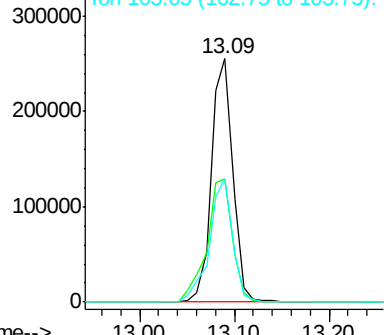


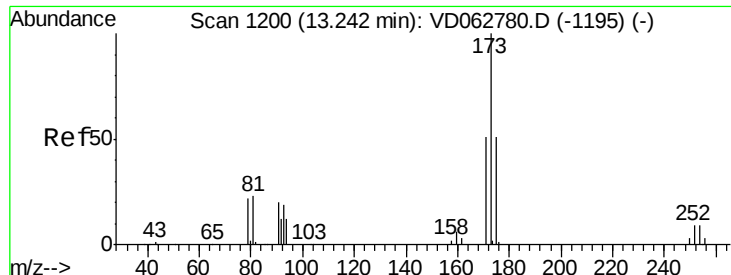
#70
Styrene
Concen: 19.366 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Tgt Ion:104 Resp: 397620
Ion Ratio Lower Upper
104 100
78 50.7 45.4 68.2
103 50.5 39.7 59.5



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





#71

Bromoform

Concen: 18.709 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD02

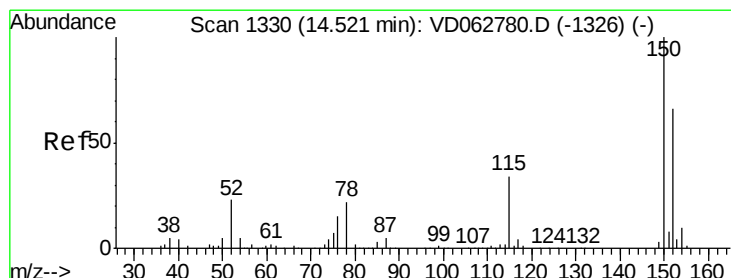
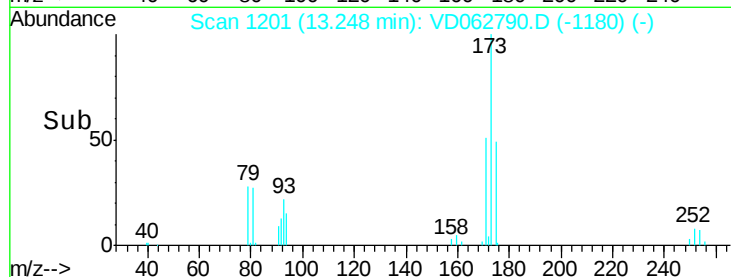
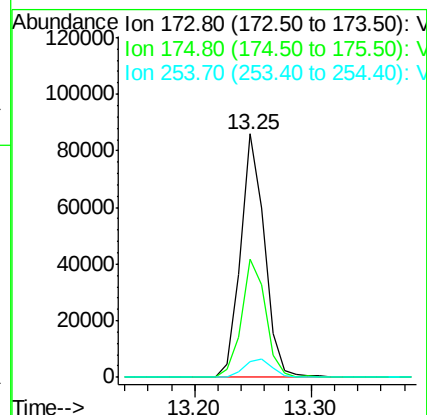
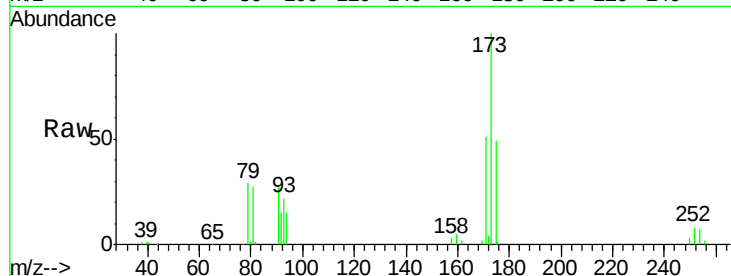
Tot Ion:173 Resp: 122582

Ion Ratio Lower Upper

173 100

175 48.7 25.3 75.9

254 6.6 7.1 10.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

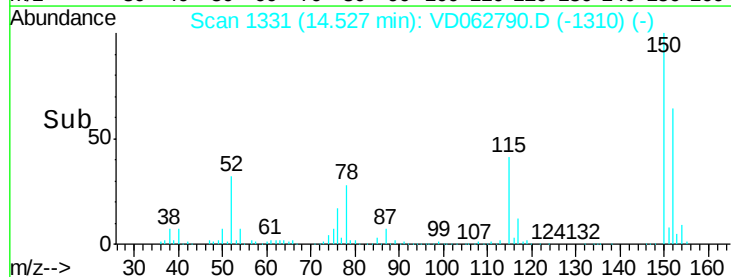
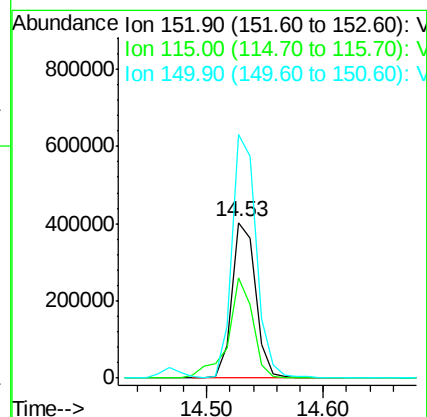
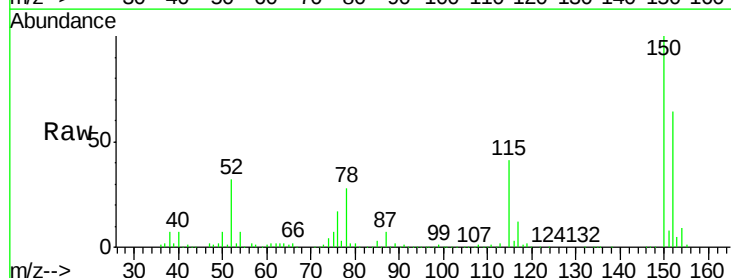
Tgt Ion:152 Resp: 567654

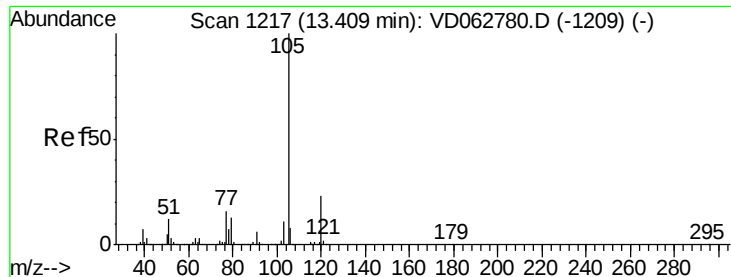
Ion Ratio Lower Upper

152 100

115 64.6 29.2 87.6

150 156.2 0.0 305.8





#73

Isopropylbenzene

Concen: 19.762 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

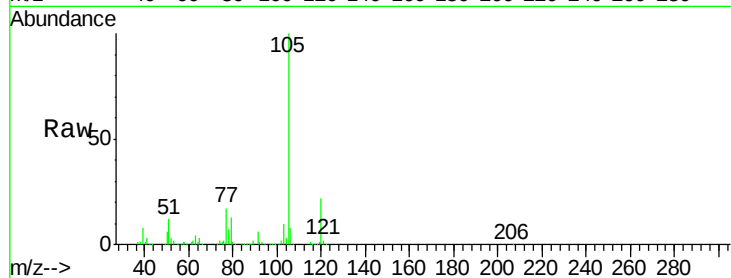
VD0620SBS02

Tot Ion:105 Resp: 719290

Ion Ratio Lower Upper

105 100

120 22.4 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

500000

400000

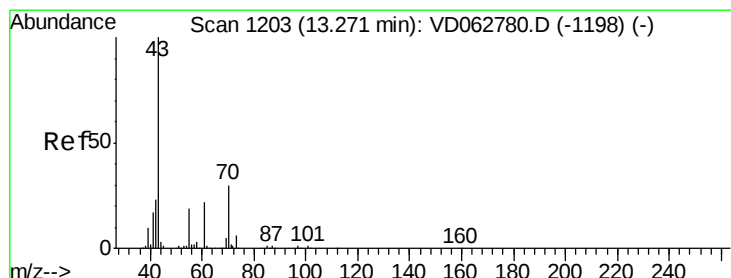
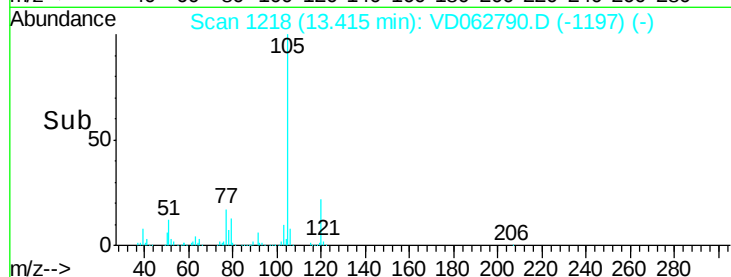
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 21.802 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Tgt Ion: 43 Resp: 192704

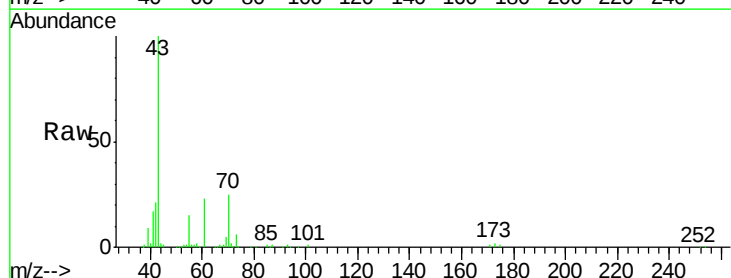
Ion Ratio Lower Upper

43 100

70 24.7 24.4 36.6

55 14.8 15.2 22.8#

61 22.5 17.4 26.2



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

13.28

200000

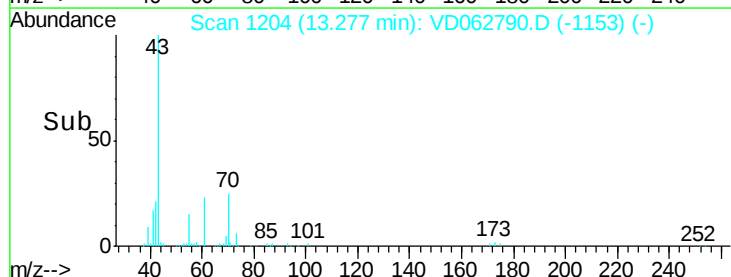
150000

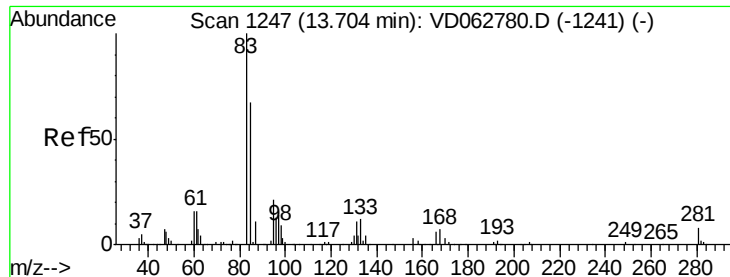
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.376 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD02

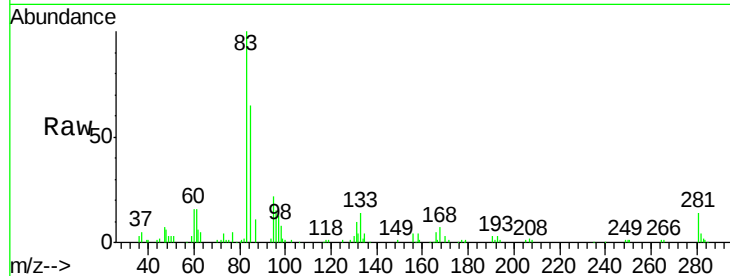
Tot Ion: 83 Resp: 120834

Ion Ratio Lower Upper

83 100

131 9.7 5.3 16.1

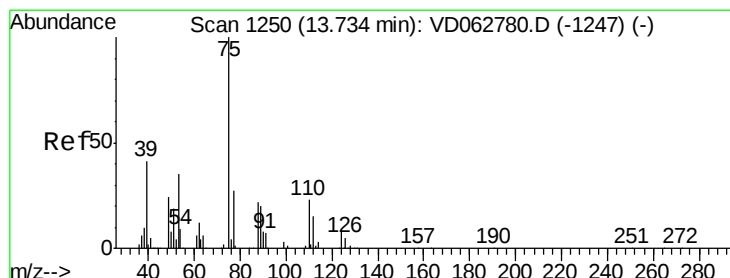
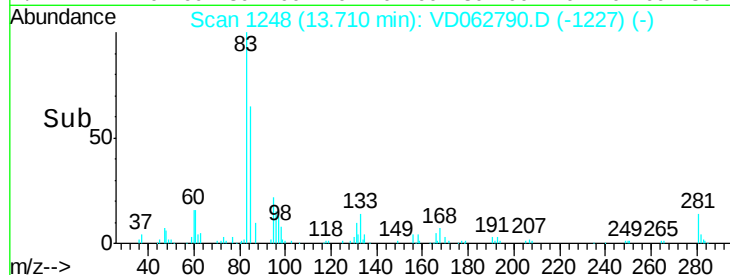
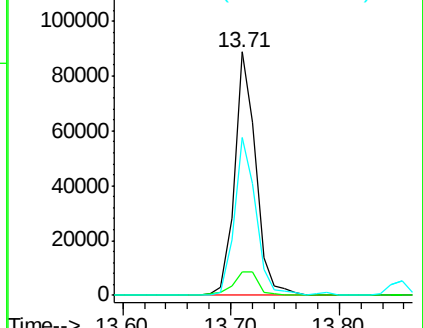
85 64.9 33.7 101.1



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: 21.100 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD062790.D

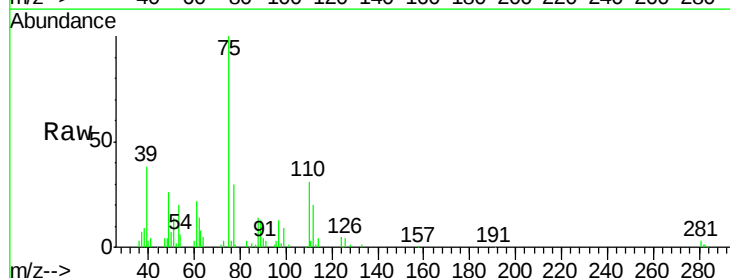
Acq: 20 Jun 2019 13:32

Tgt Ion: 75 Resp: 138275

Ion Ratio Lower Upper

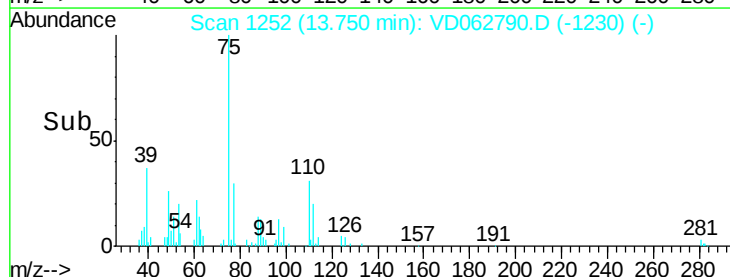
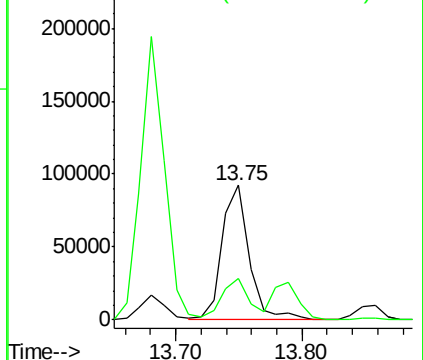
75 100

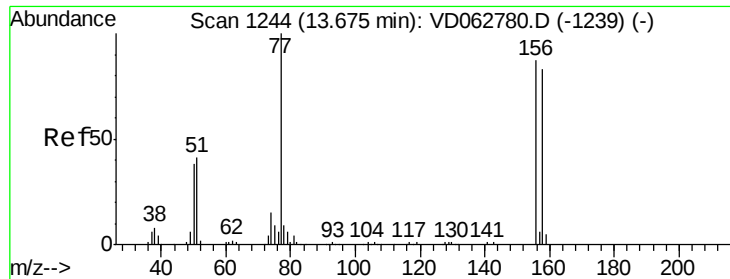
77 30.4 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

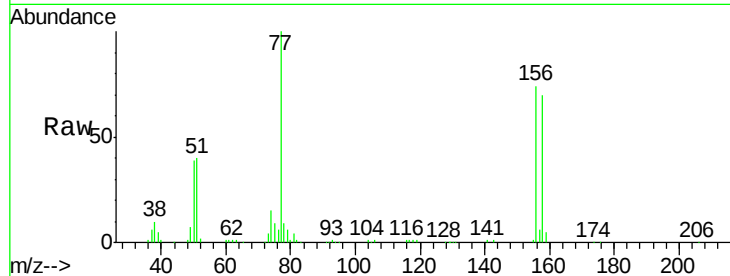




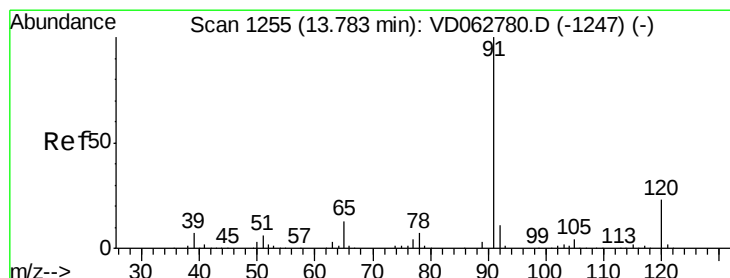
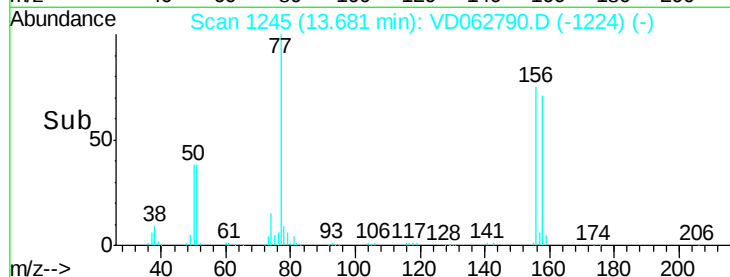
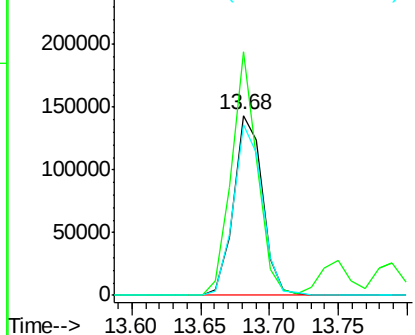
#77
Bromobenzene
Concen: 21.246 ug/l
RT: 13.68 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

Tot Ion:156 Resp: 207994
Ion Ratio Lower Upper
156 100
77 135.5 57.7 173.1
158 94.7 47.7 143.1

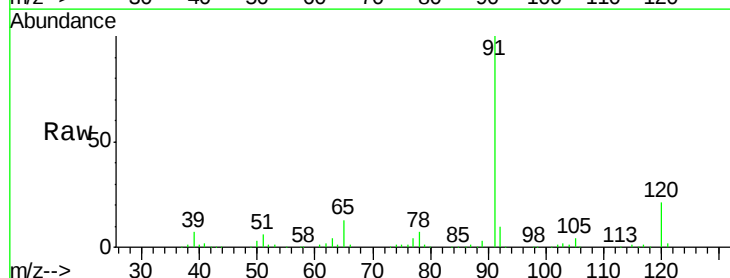


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

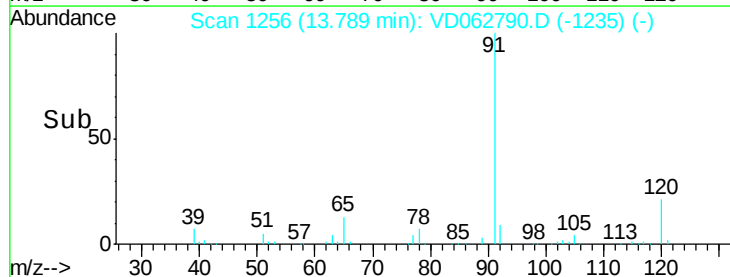
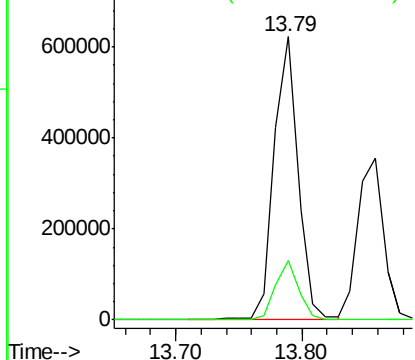


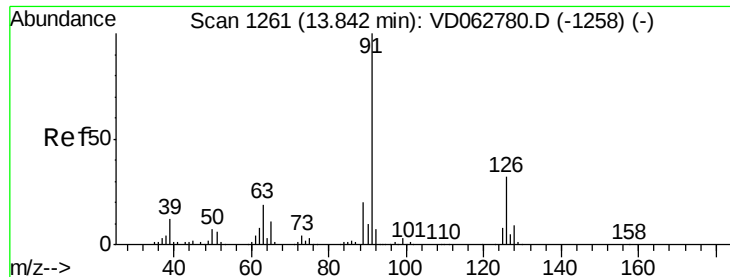
#78
n-propylbenzene
Concen: 19.587 ug/l
RT: 13.79 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Tgt Ion: 91 Resp: 829756
Ion Ratio Lower Upper
91 100
120 20.8 11.3 33.8



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

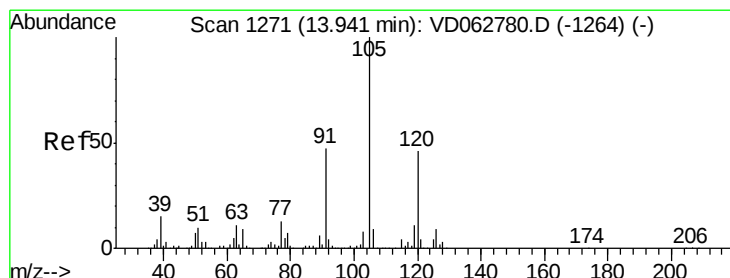
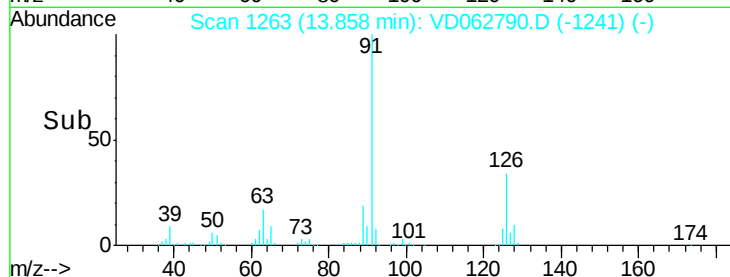
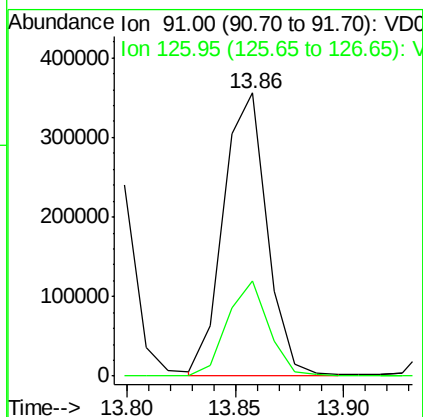
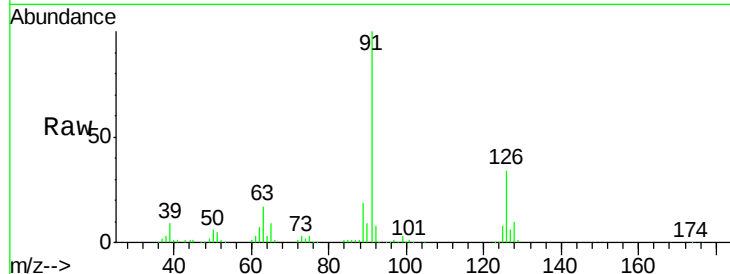




#79
 2-Chlorotoluene
 Concen: 20.654 ug/l
 RT: 13.86 min Scan# 1263
 Delta R.T. 0.02 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

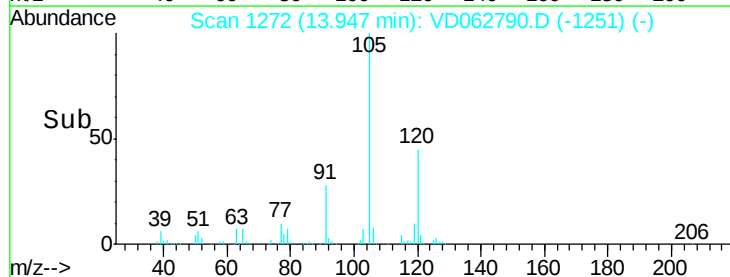
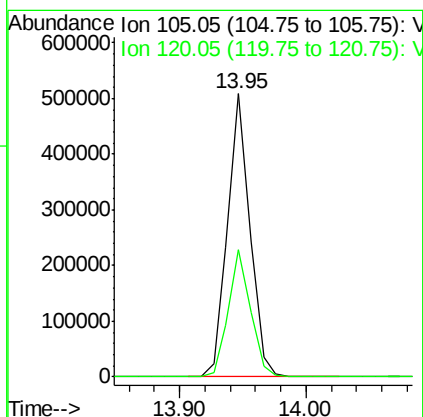
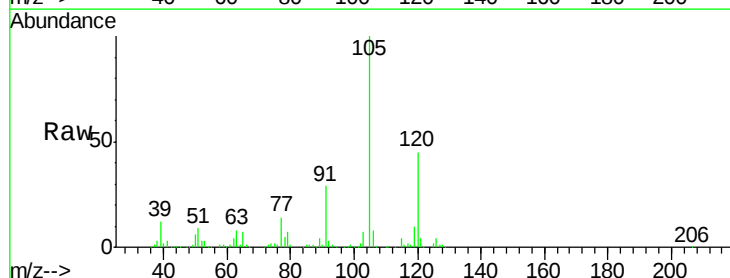
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

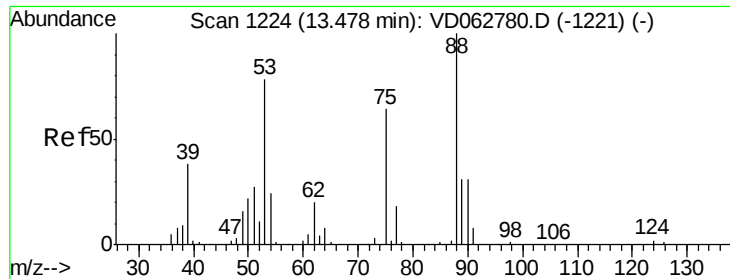
Tot Ion: 91 Resp: 500031
 Ion Ratio Lower Upper
 91 100
 126 33.7 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.352 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

Tgt Ion: 105 Resp: 622212
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.065 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD02

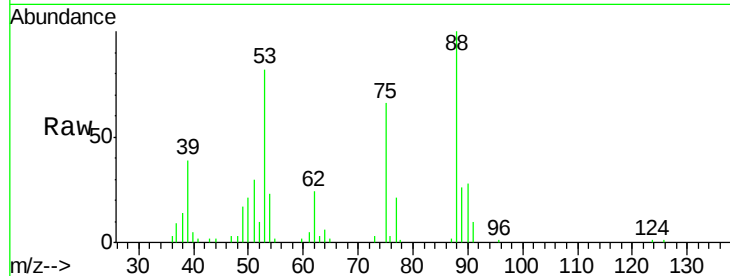
Tot Ion: 75 Resp: 36179

Ion Ratio Lower Upper

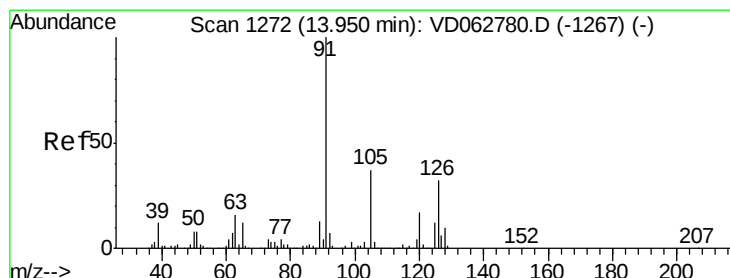
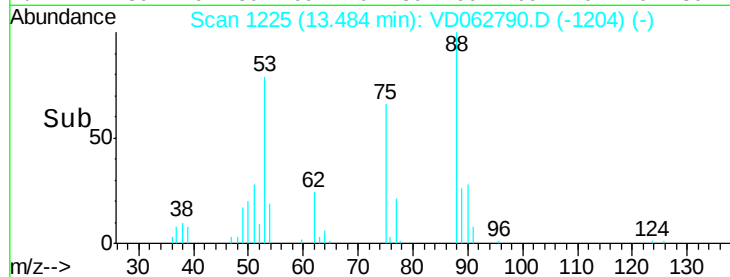
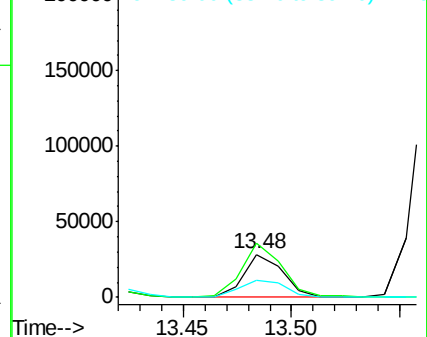
75 100

53 124.6 97.8 146.8

89 39.5 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.368 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062790.D

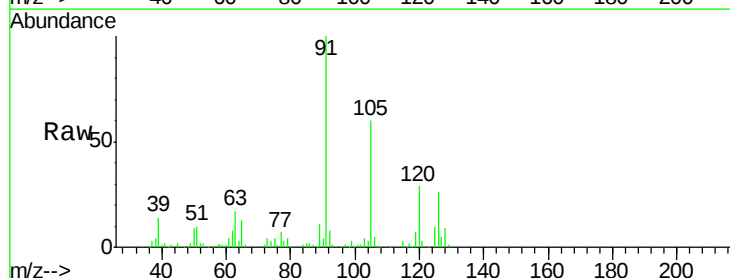
Acq: 20 Jun 2019 13:32

Tgt Ion: 91 Resp: 622782

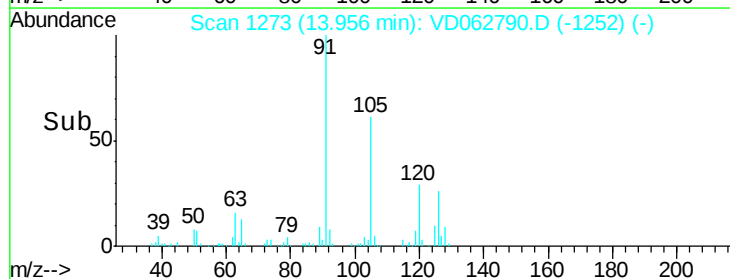
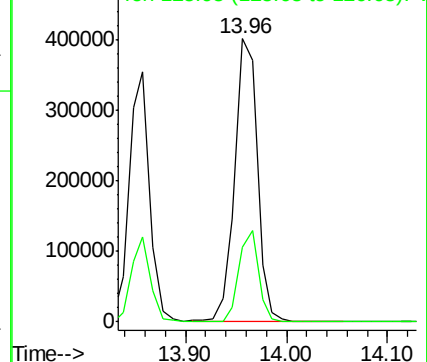
Ion Ratio Lower Upper

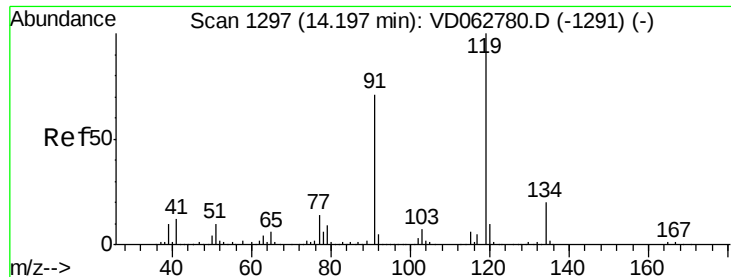
91 100

126 26.5 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

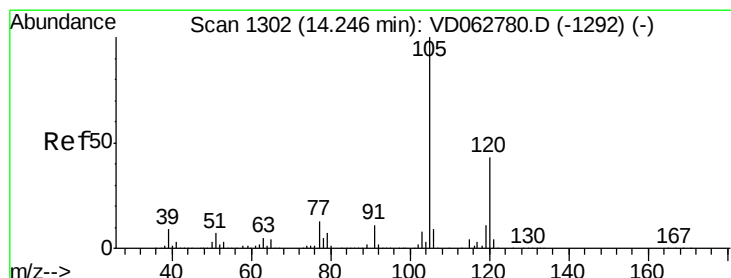
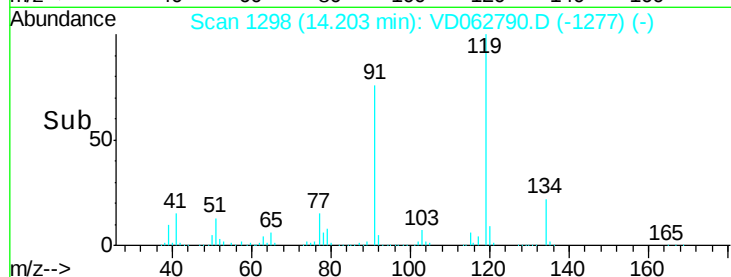
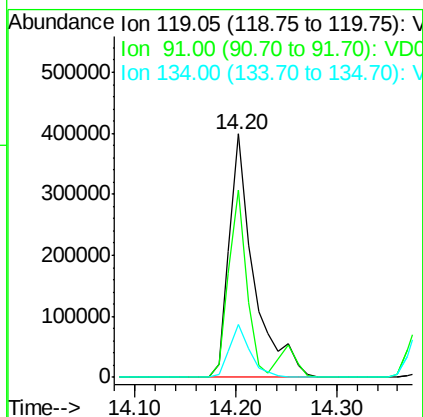
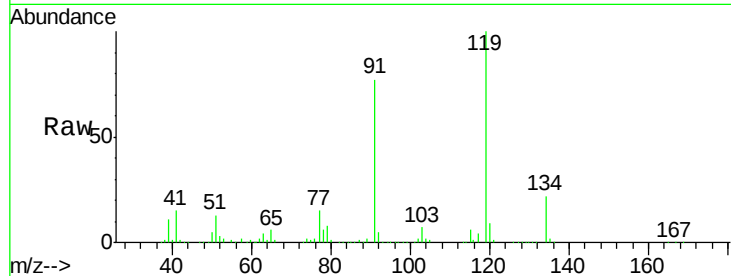




#83
tert-Butylbenzene
Concen: 19.861 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

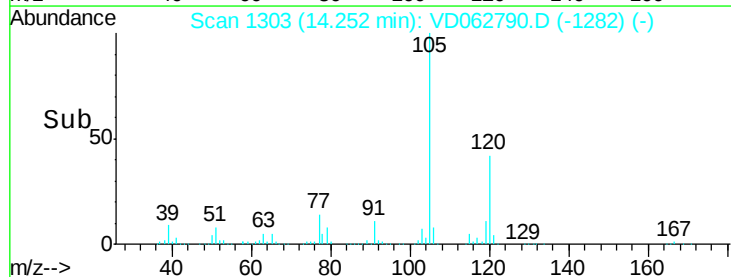
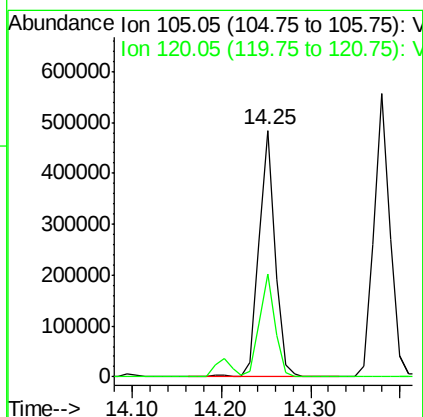
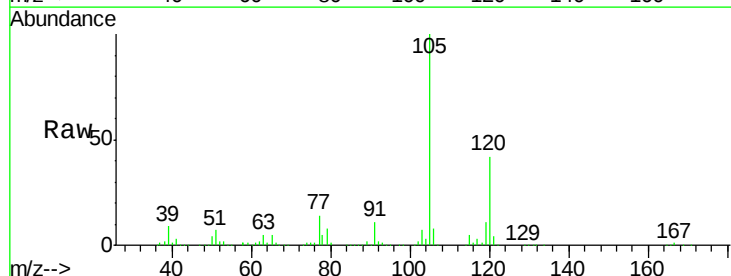
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

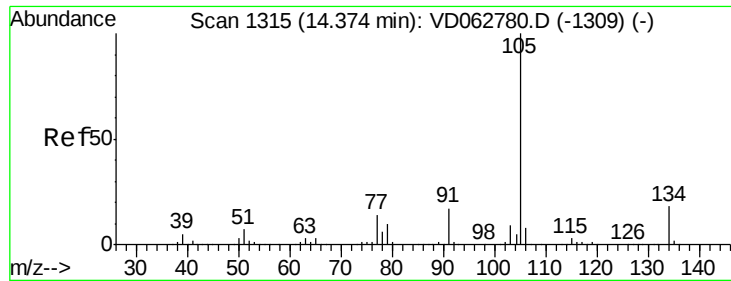
Tot Ion:119 Resp: 676816
Ion Ratio Lower Upper
119 100
91 77.0 35.5 106.5
134 21.5 10.2 30.6



#84
1,2,4-Trimethylbenzene
Concen: 19.119 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.01 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Tgt Ion:105 Resp: 599101
Ion Ratio Lower Upper
105 100
120 42.0 21.3 63.9

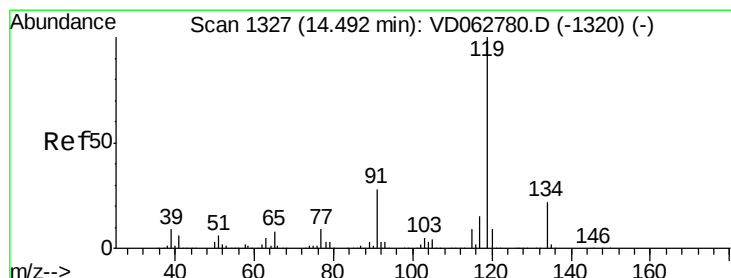
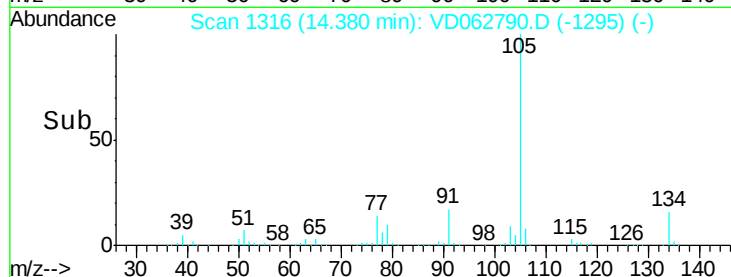
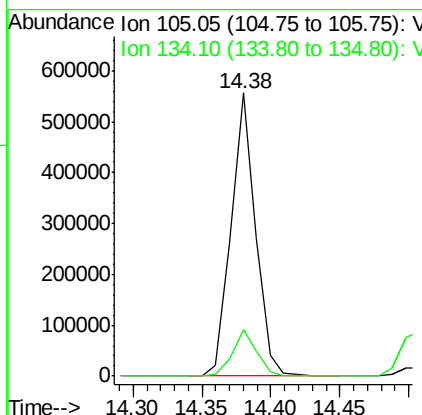
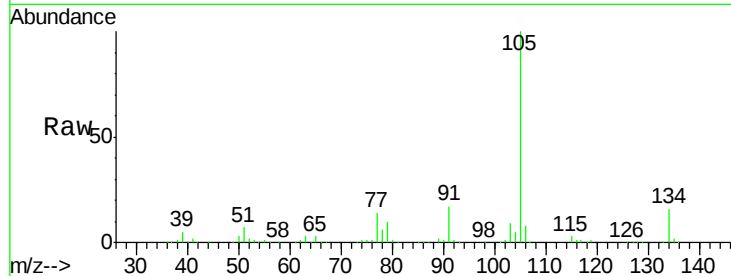




#85
 sec-Butylbenzene
 Concen: 18.534 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

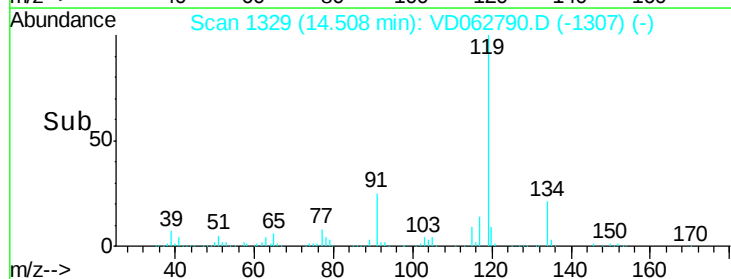
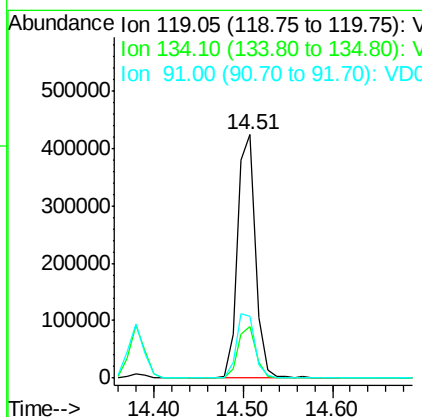
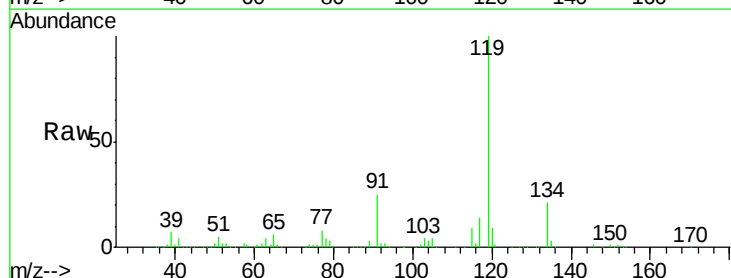
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

Tot Ion:105 Resp: 686439
 Ion Ratio Lower Upper
 105 100
 134 16.4 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 17.739 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

Tgt Ion:119 Resp: 601061
 Ion Ratio Lower Upper
 119 100
 134 21.0 11.1 33.1
 91 25.2 14.0 41.9

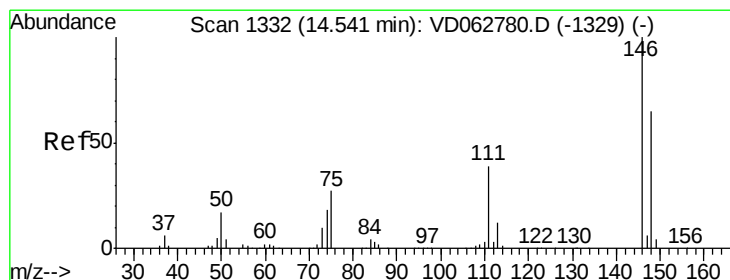
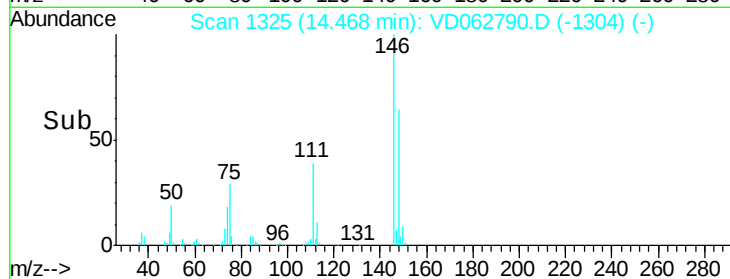
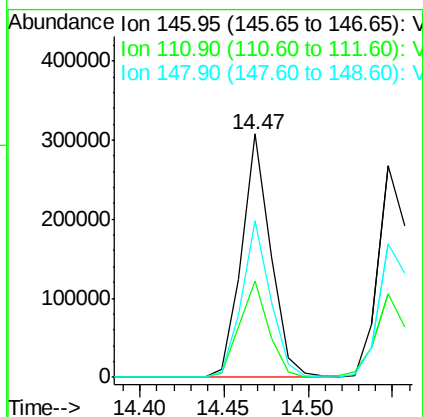
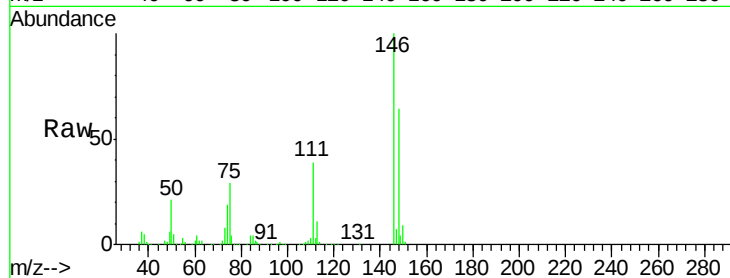




#87
 1,3-Dichlorobenzene
 Concen: 21.067 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

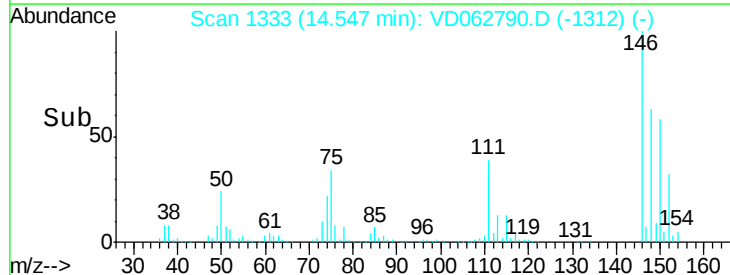
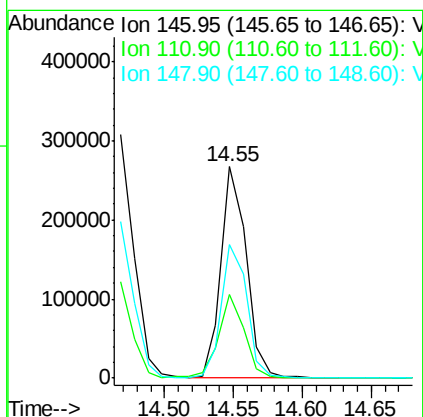
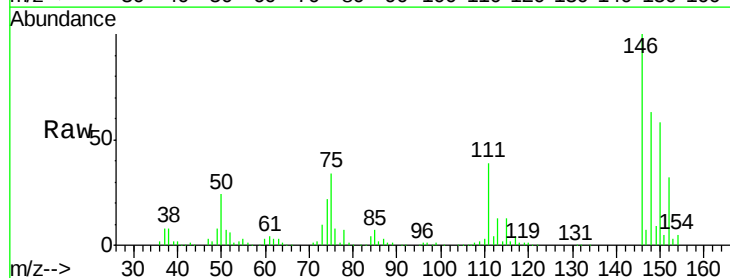
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

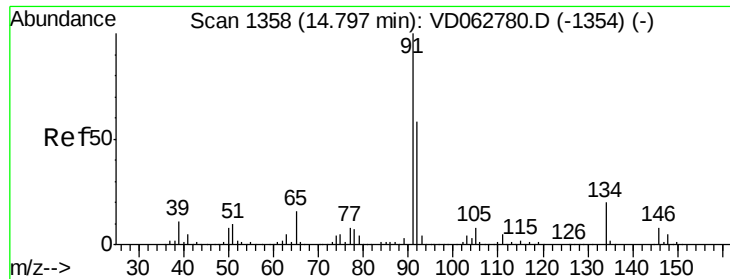
Tot Ion:146 Resp: 369705
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.0 57.0
 148 64.5 30.8 92.3



#88
 1,4-Dichlorobenzene
 Concen: 19.425 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

Tgt Ion:146 Resp: 342376
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.7 59.1
 148 63.0 32.8 98.3

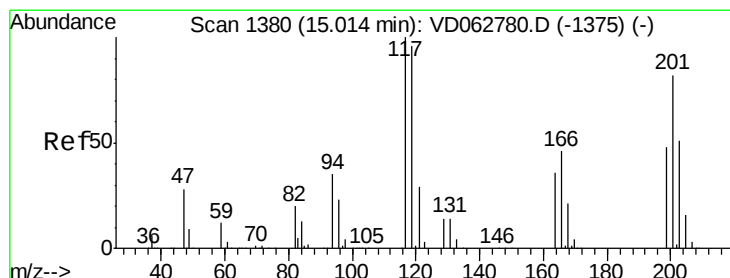
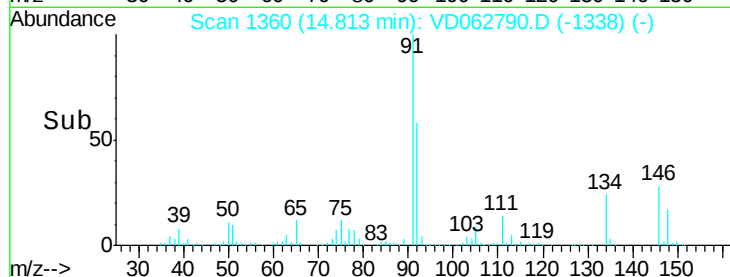
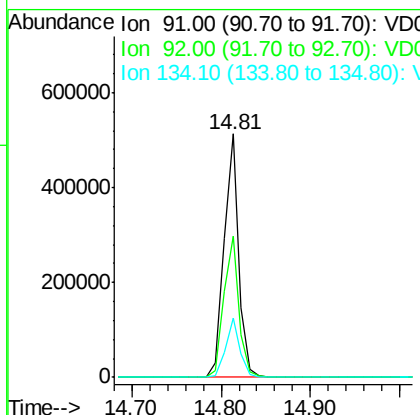
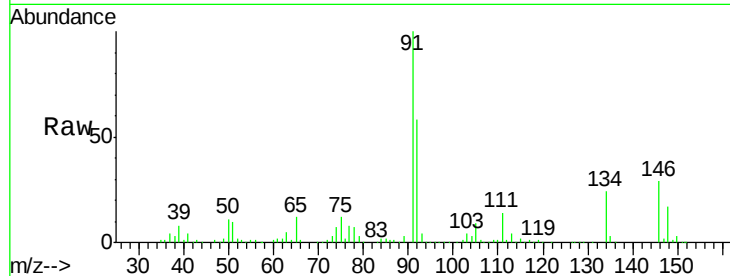




#89
n-Butylbenzene
Concen: 18.766 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

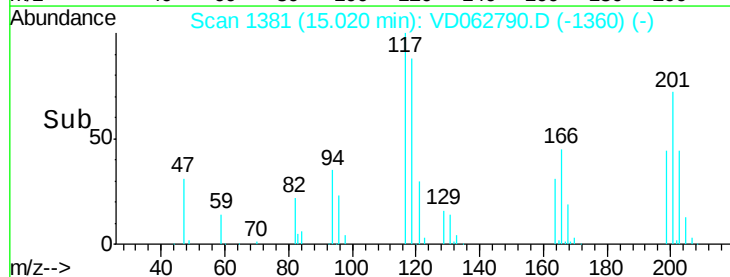
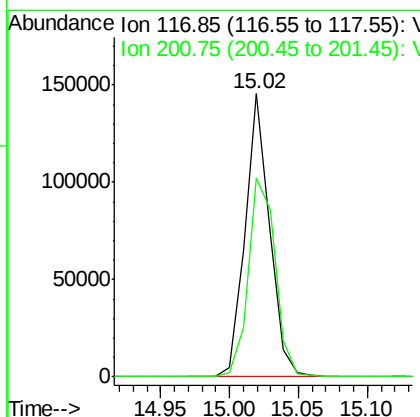
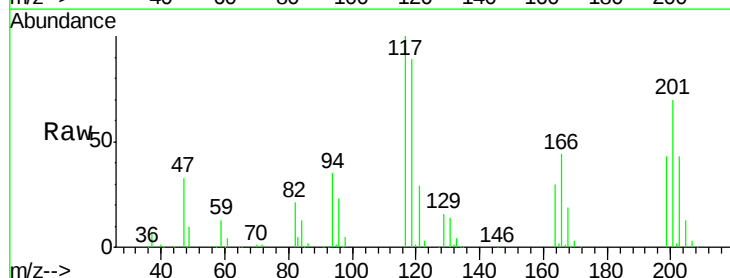
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

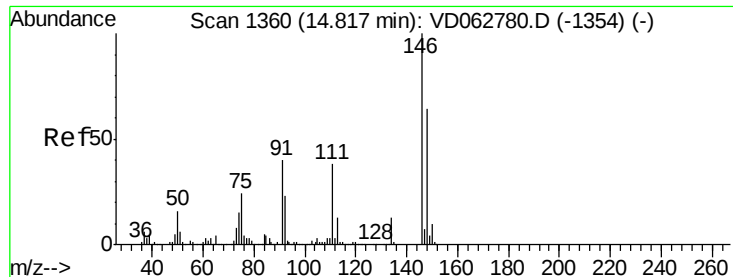
Tot Ion: 91 Resp: 595149
Ion Ratio Lower Upper
91 100
92 58.2 28.9 86.7
134 24.4 10.1 30.3



#90
Hexachloroethane
Concen: 19.775 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Tgt Ion: 117 Resp: 180155
Ion Ratio Lower Upper
117 100
201 70.4 40.8 122.2





#91

1,2-Dichlorobenzene

Concen: 20.985 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.01 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD02

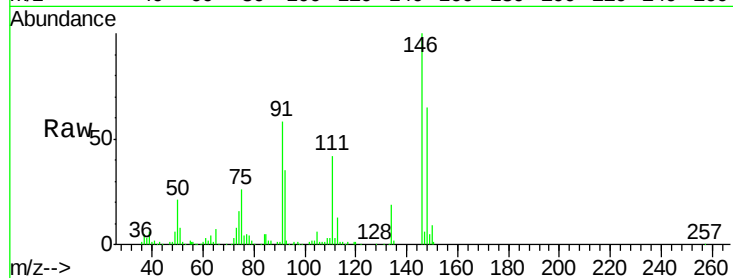
Tot Ion:146 Resp: 315080

Ion Ratio Lower Upper

146 100

111 42.4 19.1 57.1

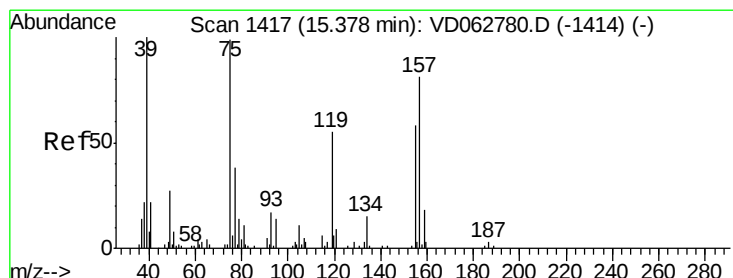
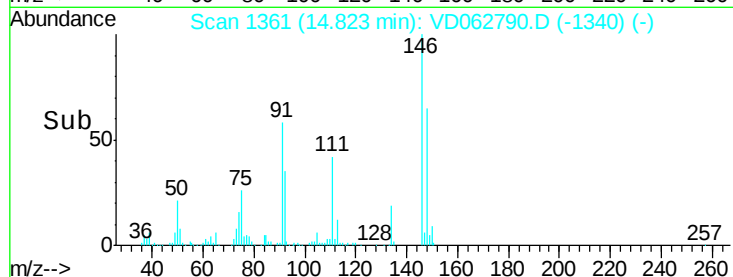
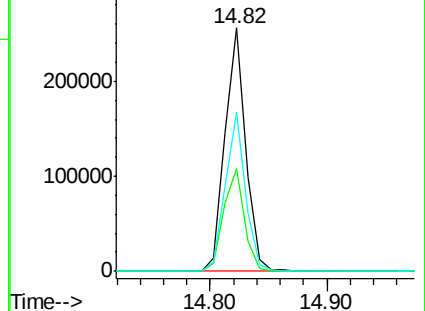
148 65.4 32.3 96.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.813 ug/l

RT: 15.39 min Scan# 1419

Delta R.T. 0.02 min

Lab File: VD062790.D

Acq: 20 Jun 2019 13:32

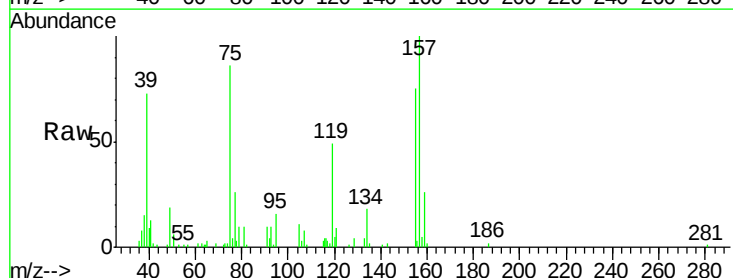
Tgt Ion: 75 Resp: 26406

Ion Ratio Lower Upper

75 100

155 87.6 29.3 87.8

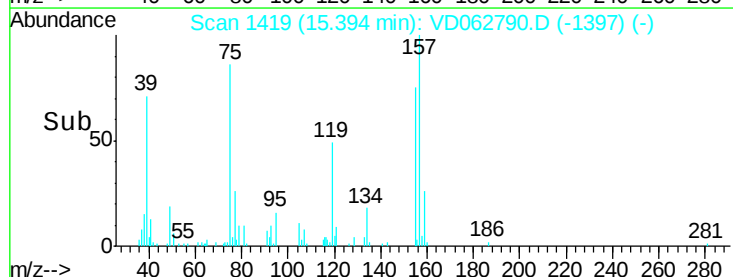
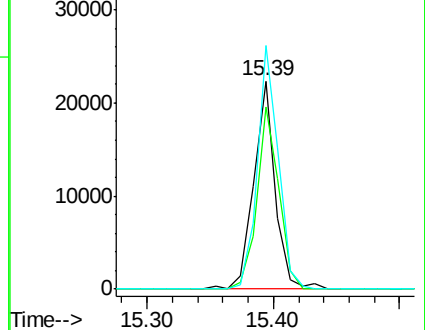
157 116.8 41.3 123.7

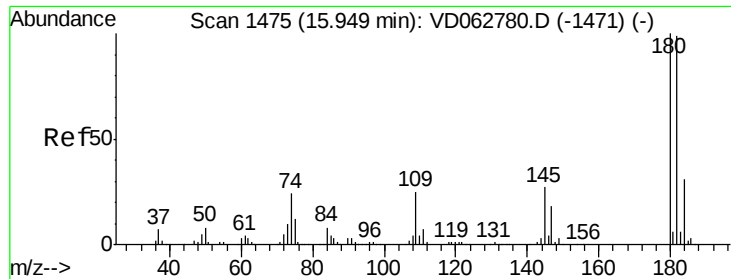


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

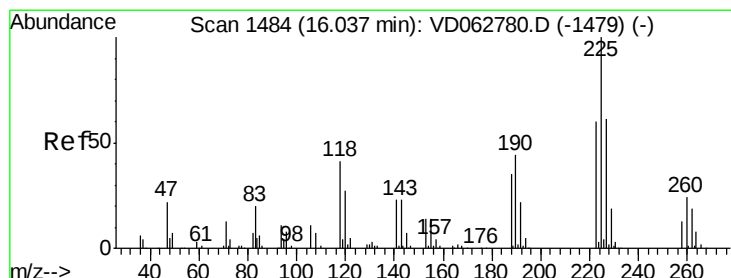
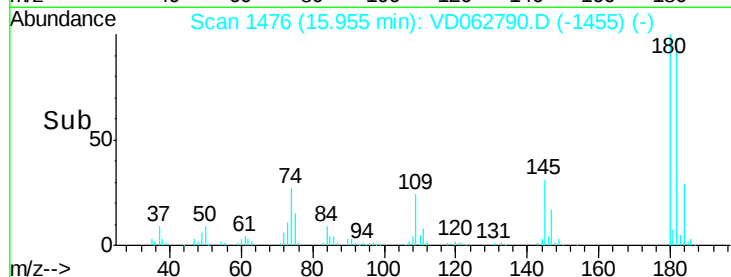
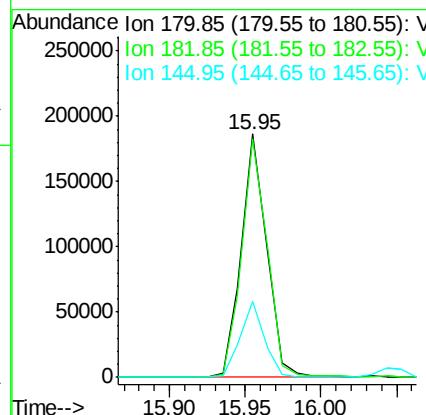
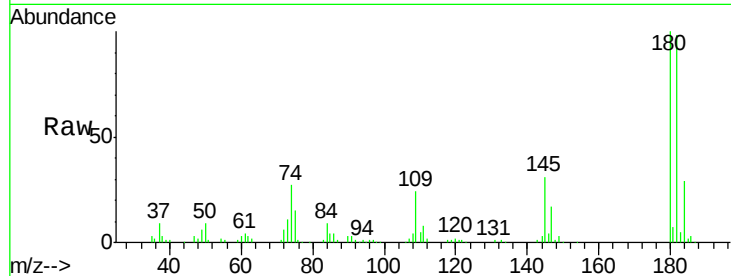




#93
 1,2,4-Trichlorobenzene
 Concen: 18.578 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

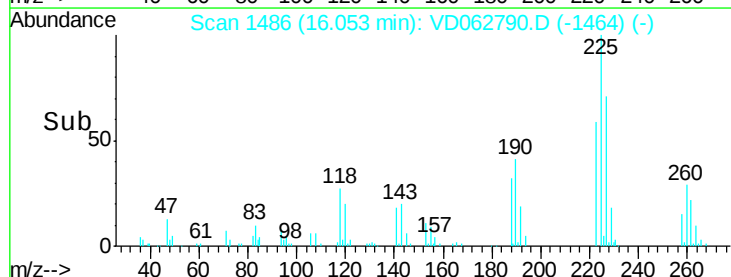
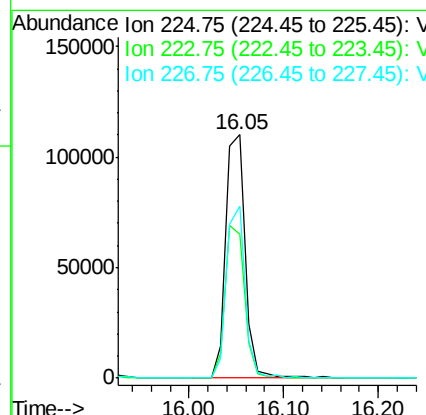
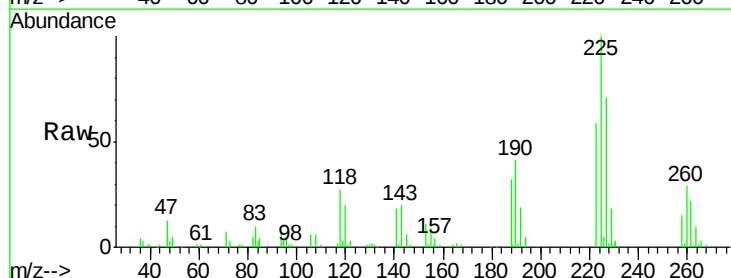
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

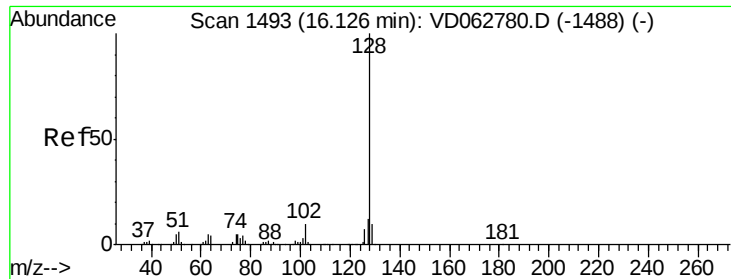
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	49.5	148.5
145	31.1	13.7	41.0



#94
 Hexachlorobutadiene
 Concen: 17.317 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062790.D
 Acq: 20 Jun 2019 13:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.2	29.8	89.5
227	70.8	30.6	91.6

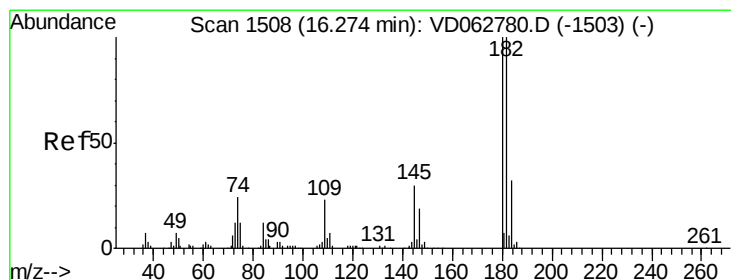
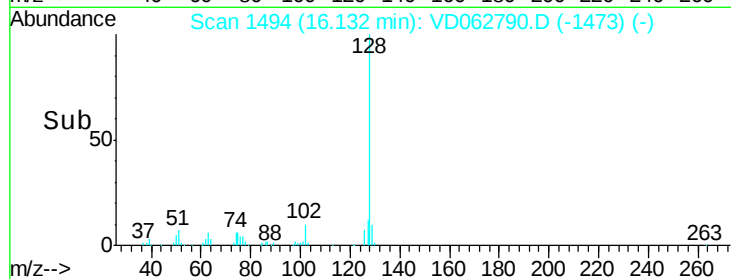
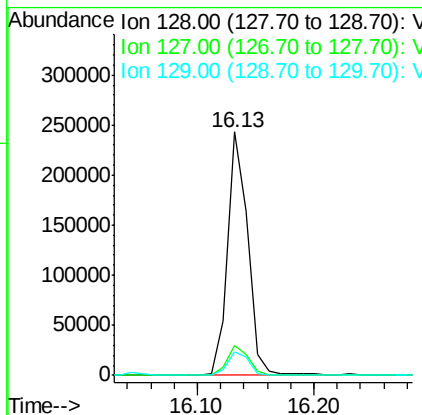
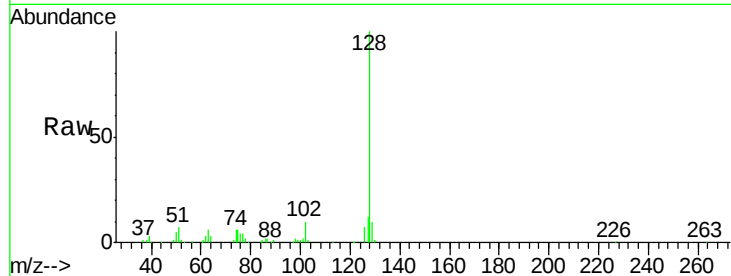




#95
Naphthalene
Concen: 17.764 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

Tot Ion:128 Resp: 292025
Ion Ratio Lower Upper
128 100
127 12.1 9.7 14.5
129 9.6 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 19.895 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062790.D
Acq: 20 Jun 2019 13:32

Tgt Ion:180 Resp: 179286
Ion Ratio Lower Upper
180 100
182 98.4 49.9 149.6
145 33.2 15.2 45.5

