

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050919\
 Data File : VD062188.D
 Acq On : 9 May 2019 15:12
 Operator : FY/SY
 Sample : VD0509SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBS01

Quant Time: May 10 04:19:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	905513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1221013	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1005484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	541862	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	447981	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
35) Dibromofluoromethane	6.90	113	557305	55.01	ug/l	0.00
Spiked Amount			Recovery	=	110.02%	
50) Toluene-d8	10.39	98	1302512	53.32	ug/l	-0.01
Spiked Amount			Recovery	=	106.64%	
62) 4-Bromofluorobenzene	13.55	95	542459	55.30	ug/l	0.00
Spiked Amount			Recovery	=	110.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	150675	17.398	ug/l	100
3) Chloromethane	1.75	50	114094	18.232	ug/l	98
4) Vinyl Chloride	1.84	62	112396	18.276	ug/l	100
5) Bromomethane	2.14	94	28563	19.821	ug/l	97
6) Chloroethane	2.25	64	44788	17.355	ug/l	93
7) Trichlorofluoromethane	2.51	101	214322	17.925	ug/l	97
8) Diethyl Ether	2.86	74	42302	18.345	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.13	101	167234	18.490	ug/l	94
10) Methyl Iodide	3.29	142	198393	14.513	ug/l	95
11) Tert butyl alcohol	4.05	59	39605	92.203	ug/l	100
12) 1,1-Dichloroethene	3.11	96	128642	18.632	ug/l	97
13) Acrolein	3.02	56	40515	91.193	ug/l	97
14) Allyl chloride	3.61	41	204277	20.349	ug/l	94
15) Acrylonitrile	4.18	53	105558	93.494	ug/l	84
16) Acetone	3.20	43	177659	100.672	ug/l #	89
17) Carbon Disulfide	3.36	76	335038	16.869	ug/l	96
18) Methyl Acetate	3.63	43	62817	19.719	ug/l	99
19) Methyl tert-butyl Ether	4.21	73	272467	18.411	ug/l	96
20) Methylene Chloride	3.80	84	136412	18.513	ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	137225	17.861	ug/l	95
22) Diisopropyl ether	5.09	45	405721	18.992	ug/l	96
23) Vinyl Acetate	5.02	43	1082250	96.019	ug/l	98
24) 1,1-Dichloroethane	4.95	63	238461	18.504	ug/l	98
25) 2-Butanone	6.05	43	176324	91.602	ug/l	99
26) 2,2-Dichloropropane	6.00	77	238134	18.550	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	155806	18.117	ug/l	98
28) Bromochloromethane	6.41	49	109958	21.687	ug/l	87
29) Tetrahydrofuran	6.43	42	84885	95.709	ug/l	97
30) Chloroform	6.64	83	294382	18.954	ug/l	100
31) Cyclohexane	6.93	56	160073	18.130	ug/l	98
32) 1,1,1-Trichloroethane	6.84	97	290730	19.804	ug/l	99
36) 1,1-Dichloropropene	7.13	75	203879	20.365	ug/l	98
37) Ethyl Acetate	6.15	43	83077	19.568	ug/l #	93
38) Carbon Tetrachloride	7.09	117	274023	19.776	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	165291	17.232	ug/l	91
40) Benzene	7.43	78	438001	19.375	ug/l	97
41) Methacrylonitrile	6.42	41	103144	19.880	ug/l	90
42) 1,2-Dichloroethane	7.55	62	187513	19.578	ug/l	96
43) Isopropyl Acetate	9.22	43	115754	19.224	ug/l	89
44) Trichloroethene	8.52	130	170476	19.790	ug/l	88
45) 1,2-Dichloropropane	8.92	63	116605	20.853	ug/l	93
46) Dibromomethane	9.04	93	86799	19.089	ug/l	93
47) Bromodichloromethane	9.35	83	209701	18.854	ug/l	97
48) Methyl methacrylate	9.10	41	71270	19.216	ug/l	90
49) 1,4-Dioxane	9.07	88	13294	332.215	ug/l #	88
51) 4-Methyl-2-Pentanone	10.28	43	362175	93.574	ug/l	96
52) Toluene	10.48	92	276001	18.765	ug/l	98
53) t-1,3-Dichloropropene	10.89	75	184133	19.155	ug/l	93
54) cis-1,3-Dichloropropene	10.02	75	207959	19.830	ug/l	96
55) 1,1,2-Trichloroethane	11.16	97	97248	18.686	ug/l	95
56) Ethyl methacrylate	11.03	69	105244	19.461	ug/l	93
57) 1,3-Dichloropropane	11.39	76	150145	19.097	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	295986	100.197	ug/l	98
59) 2-Hexanone	11.52	43	287992	100.955	ug/l	97
60) Dibromochloromethane	11.67	129	171448	19.062	ug/l	99
61) 1,2-Dibromoethane	11.78	107	122121	19.301	ug/l	99
64) Tetrachloroethene	11.24	164	142346	18.104	ug/l	94
65) Chlorobenzene	12.38	112	375313	20.041	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	166141	20.384	ug/l	98
67) Ethyl Benzene	12.51	91	654409	20.873	ug/l	100
68) m/p-Xylenes	12.65	106	401280	35.179	ug/l	91
69) o-Xylene	13.03	106	217677	20.526	ug/l	95
70) Styrene	13.06	104	355352	19.781	ug/l	98
71) Bromoform	13.22	173	107484	18.955	ug/l #	98
73) Isopropylbenzene	13.39	105	640783	19.728	ug/l	97
74) N-amyl acetate	13.25	43	163070	19.149	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.68	83	111154	18.077	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	111785	17.359	ug/l	99
77) Bromobenzene	13.65	156	164590	18.102	ug/l	86
78) n-propylbenzene	13.76	91	734286	18.951	ug/l	96
79) 2-Chlorotoluene	13.83	91	430785	19.413	ug/l	97
80) 1,3,5-Trimethylbenzene	13.92	105	508421	18.588	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.46	75	32259	17.745	ug/l #	84
82) 4-Chlorotoluene	13.94	91	484497	18.554	ug/l	94
83) tert-Butylbenzene	14.17	119	606903	19.741	ug/l	95
84) 1,2,4-Trimethylbenzene	14.22	105	545251	19.865	ug/l	91
85) sec-Butylbenzene	14.35	105	626515	18.587	ug/l	97
86) p-Isopropyltoluene	14.48	119	577462	19.175	ug/l	95
87) 1,3-Dichlorobenzene	14.44	146	290457	17.487	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	304415	18.652	ug/l	93
89) n-Butylbenzene	14.79	91	505822	18.713	ug/l	95
90) Hexachloroethane	14.99	117	144184	17.606	ug/l	95
91) 1,2-Dichlorobenzene	14.79	146	262958	19.223	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	17411	17.249	ug/l	76

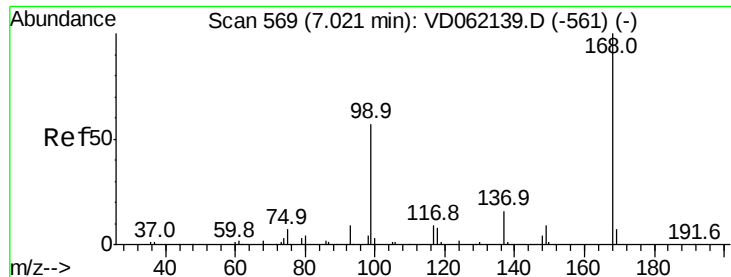
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050919\
Data File : VD062188.D
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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	174452	17.521	ug/l	96
94) Hexachlorobutadiene	16.03	225	124671	16.835	ug/l	98
95) Naphthalene	16.11	128	216076	15.544	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	100351	16.030	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

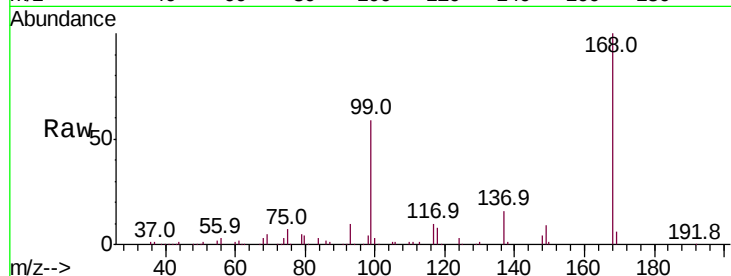
VD0509SBS01

Tot Ion:168 Resp: 905513

Ion Ratio Lower Upper

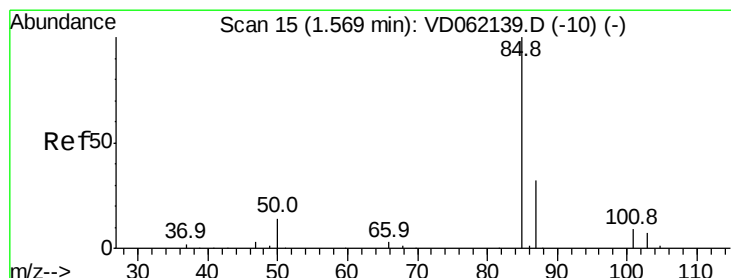
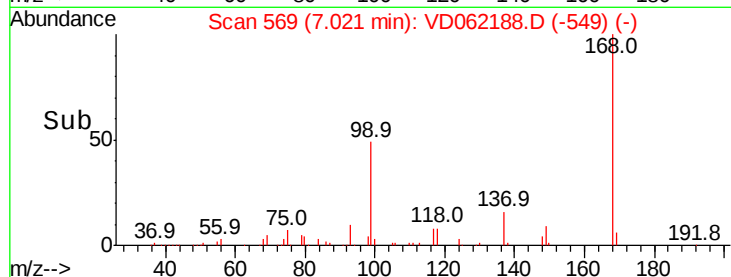
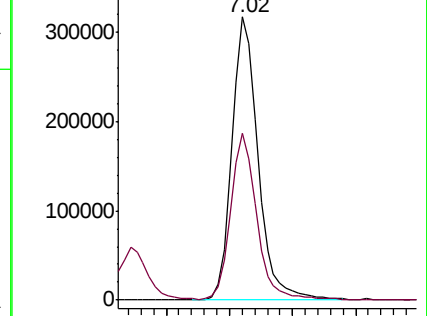
168 100

99 58.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.398 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062188.D

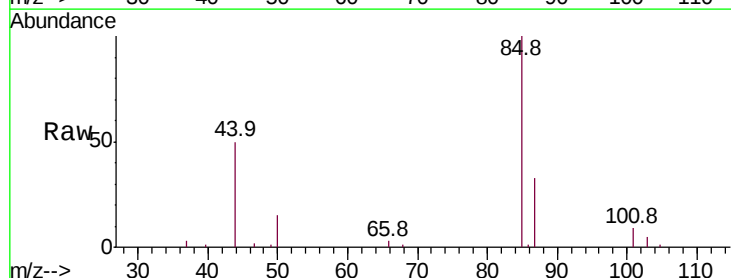
Acq: 9 May 2019 15:12

Tgt Ion: 85 Resp: 150675

Ion Ratio Lower Upper

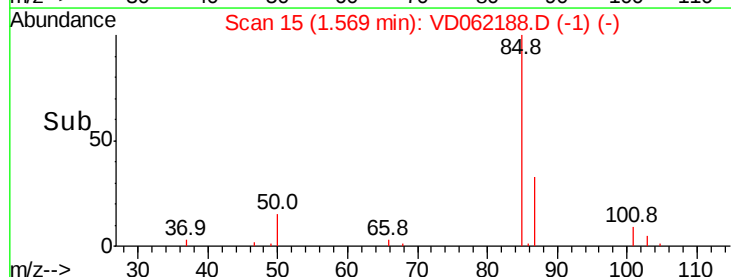
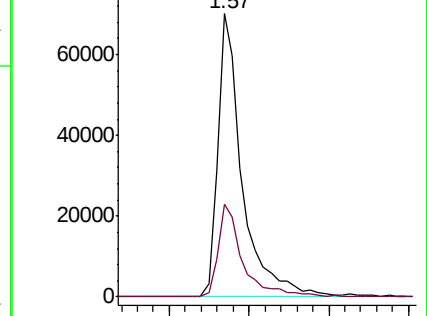
85 100

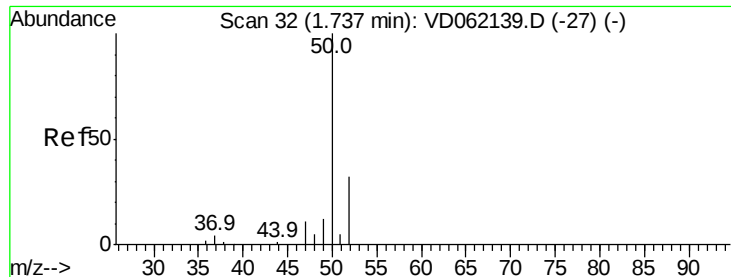
87 32.5 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

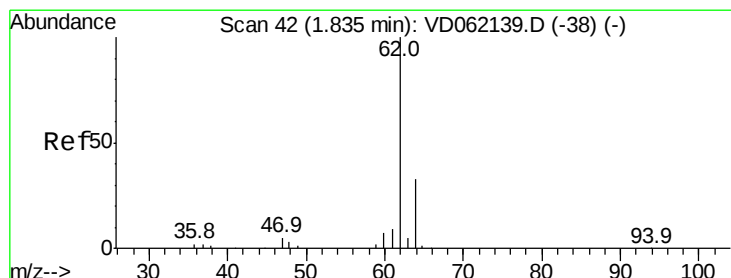
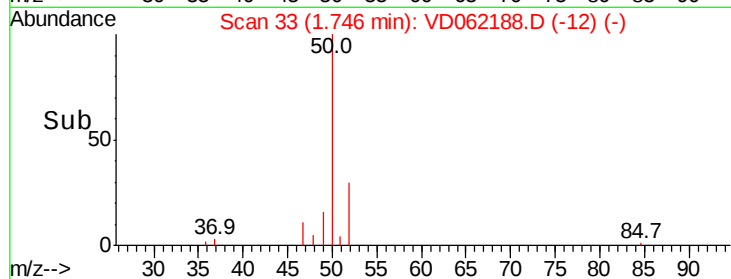
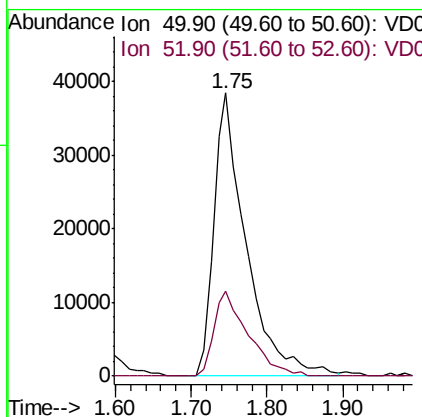
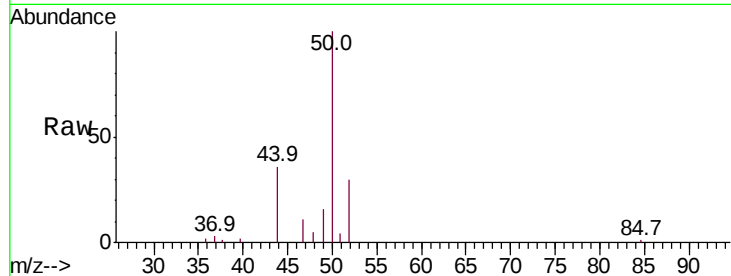




#3
Chloromethane
Concen: 18.232 ug/l
RT: 1.75 min Scan# 33
Delta R.T. 0.01 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

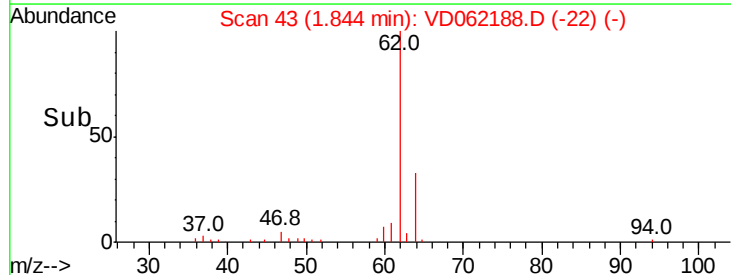
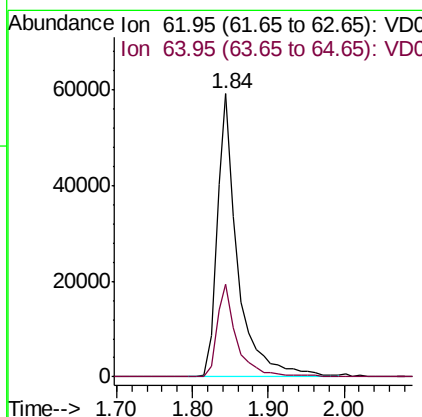
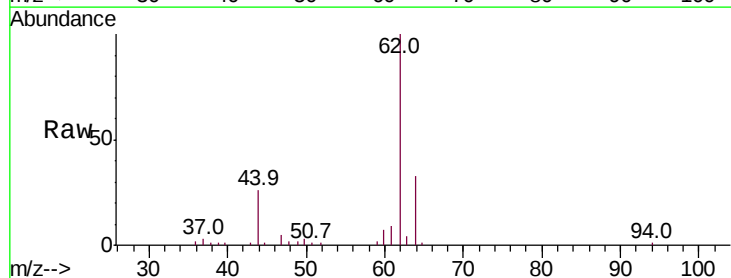
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

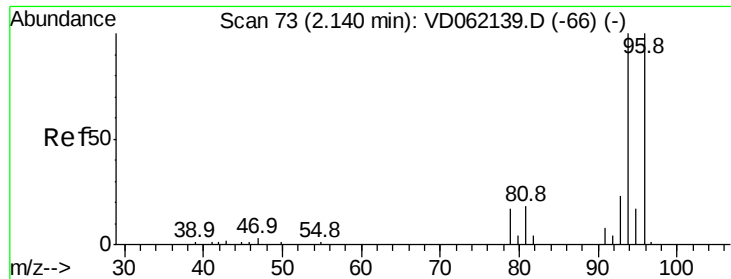
Tot Ion: 50 Resp: 114094
Ion Ratio Lower Upper
50 100
52 30.2 25.2 37.8



#4
Vinyl Chloride
Concen: 18.276 ug/l
RT: 1.84 min Scan# 43
Delta R.T. 0.01 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Tgt Ion: 62 Resp: 112396
Ion Ratio Lower Upper
62 100
64 32.9 26.5 39.7





#5

Bromomethane

Concen: 19.821 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBS01

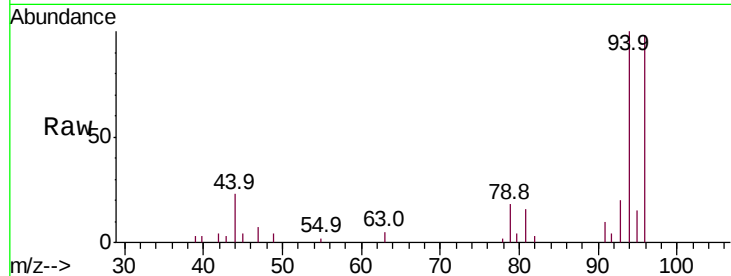
Tot Ion: 94 Resp: 28563

Ion Ratio Lower Upper

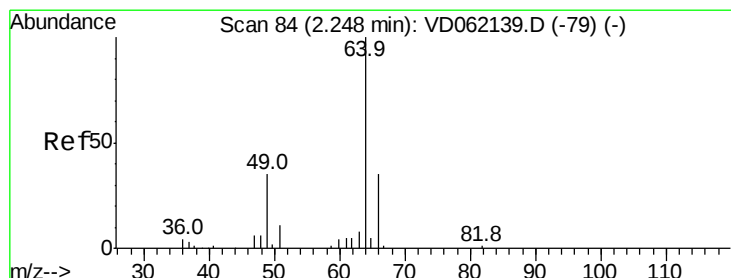
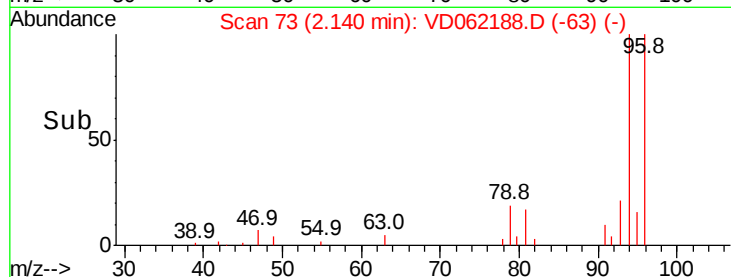
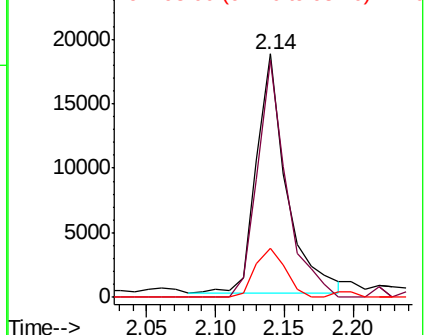
94 100

96 97.5 76.6 115.0

93 20.2 18.5 27.7



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



#6

Chloroethane

Concen: 17.355 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD062188.D

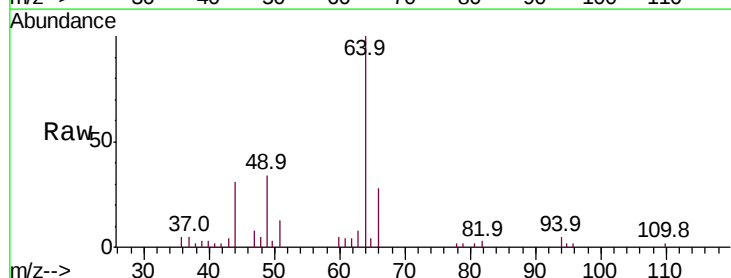
Acq: 9 May 2019 15:12

Tgt Ion: 64 Resp: 44788

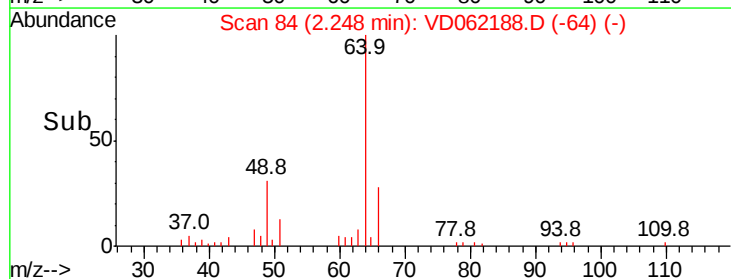
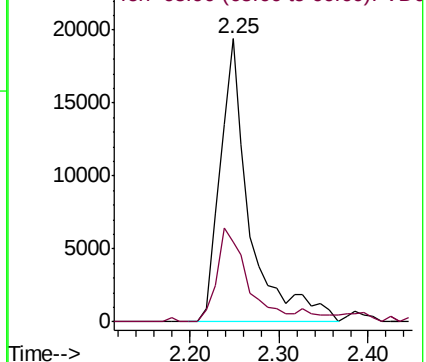
Ion Ratio Lower Upper

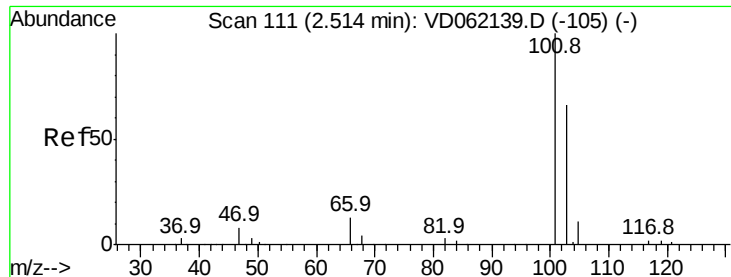
64 100

66 28.1 25.6 38.4



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



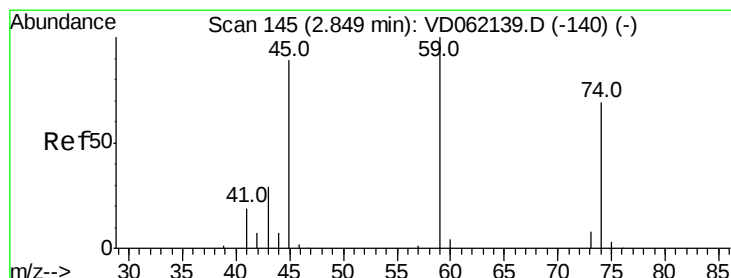
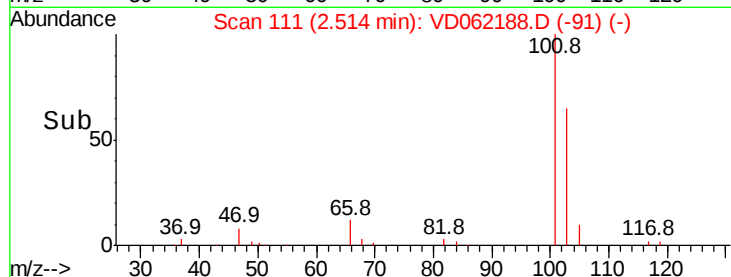
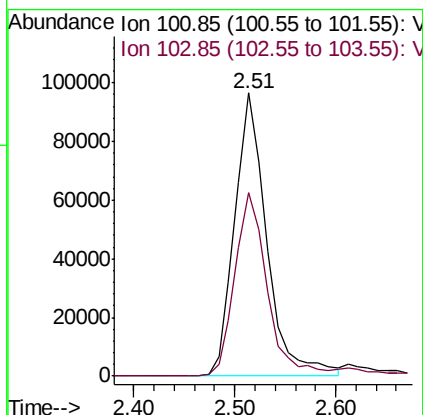
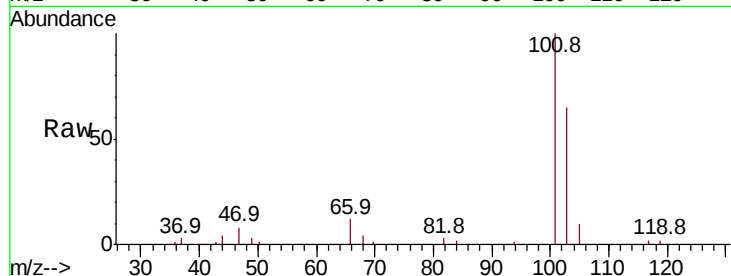


#7

Trichlorofluoromethane
 Concen: 17.925 ug/l
 RT: 2.51 min Scan# 111
 Delta R.T. -0.00 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

Instrument :
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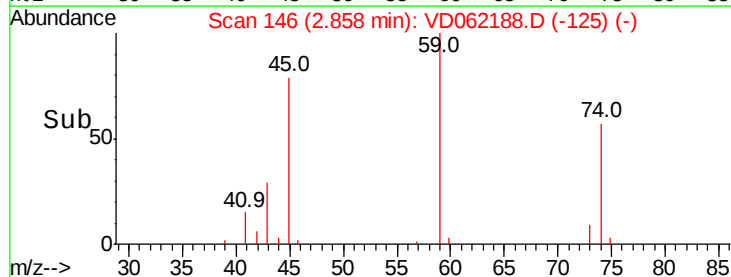
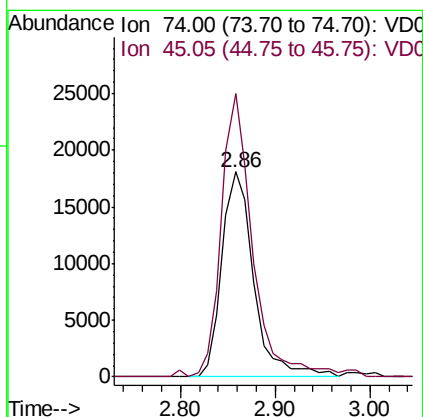
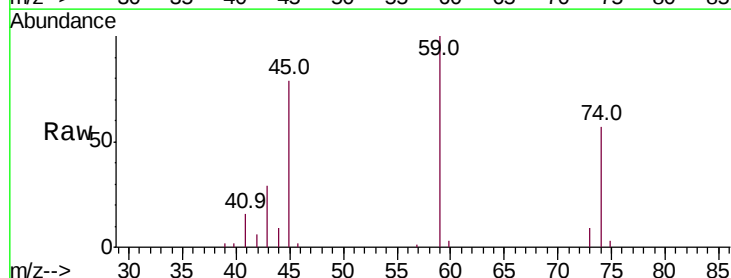
Tot Ion:101 Resp: 214322
 Ion Ratio Lower Upper
 101 100
 103 64.7 53.6 80.4

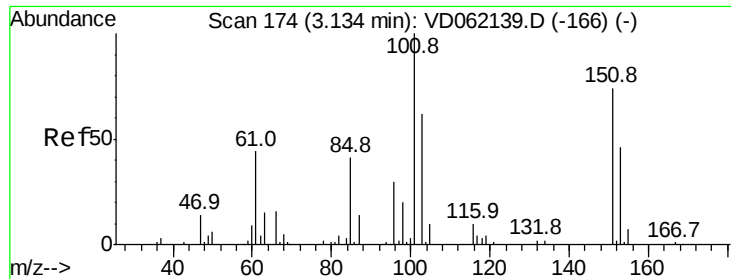


#8

Diethyl Ether
 Concen: 18.345 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.01 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

Tgt Ion: 74 Resp: 42302
 Ion Ratio Lower Upper
 74 100
 45 140.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.490 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBS01

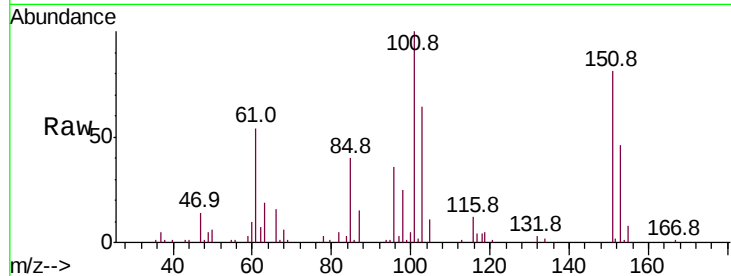
Tot Ion:101 Resp: 167234

Ion Ratio Lower Upper

101 100

85 39.9 32.4 48.6

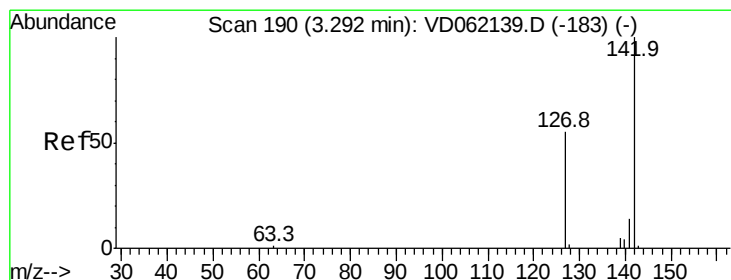
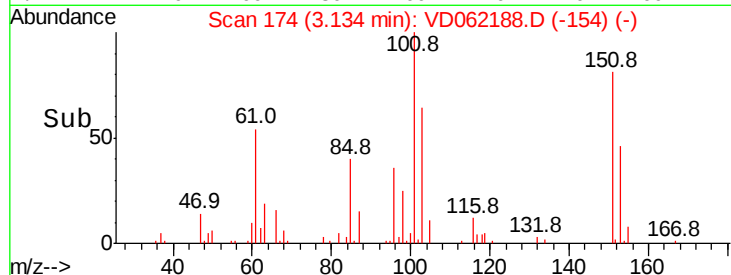
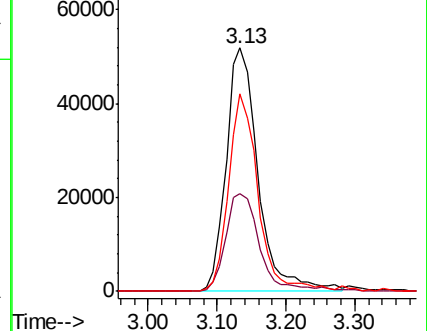
151 81.1 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 14.513 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

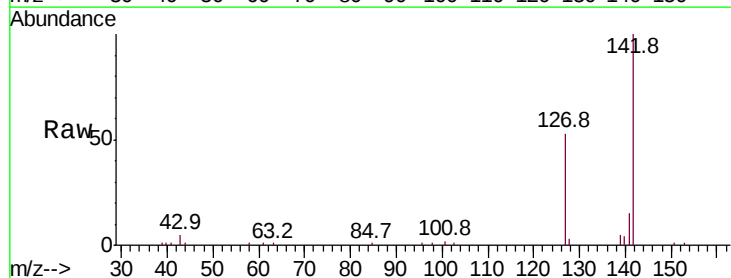
Tgt Ion:142 Resp: 198393

Ion Ratio Lower Upper

142 100

127 52.8 38.8 58.2

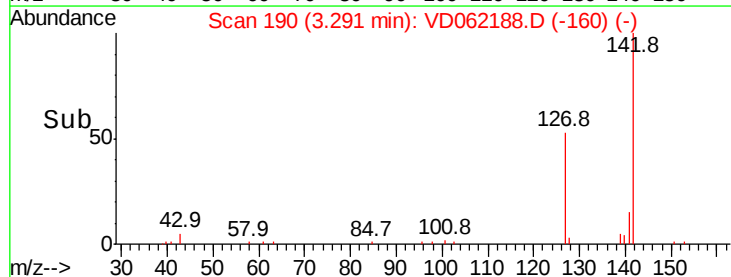
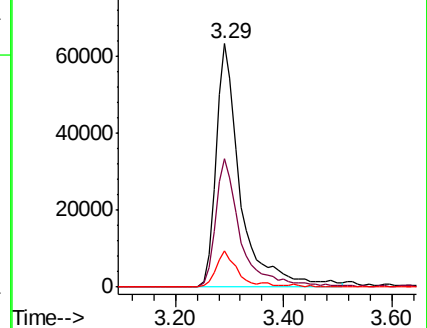
141 15.0 11.4 17.0

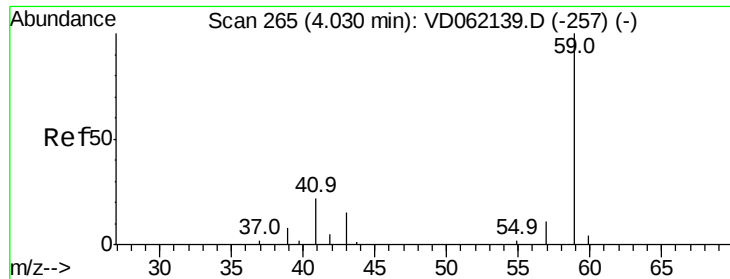


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

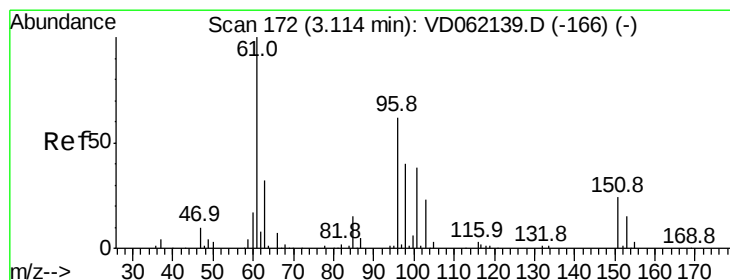
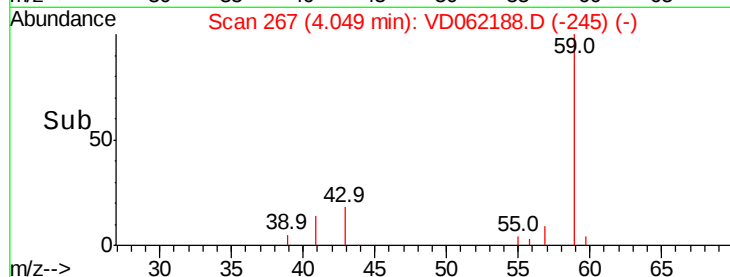
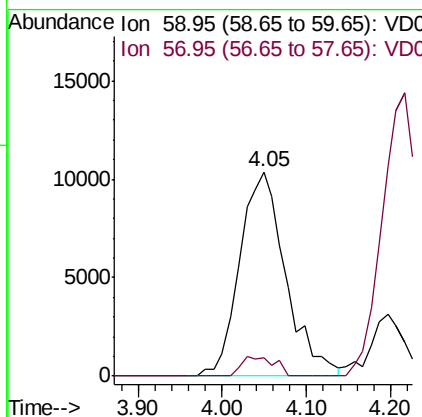
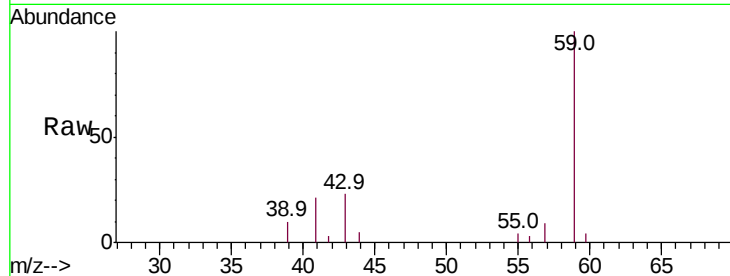




#11
Tert butyl alcohol
Concen: 92.203 ug/l
RT: 4.05 min Scan# 267
Delta R.T. 0.02 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

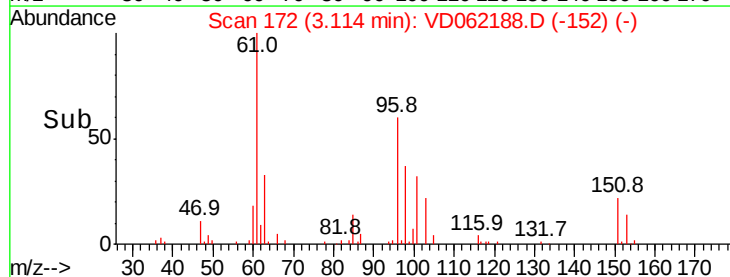
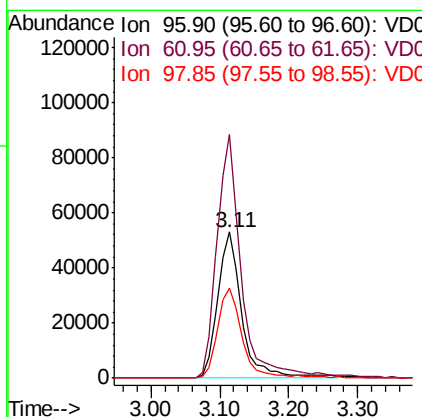
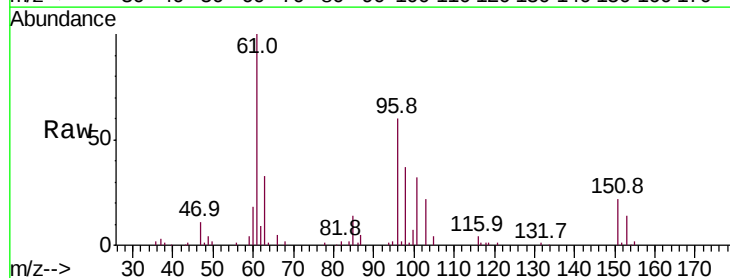
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

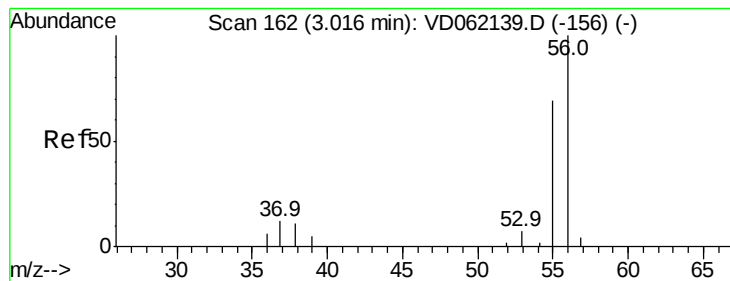
Tot Ion: 59 Resp: 39605
Ion Ratio Lower Upper
59 100
57 8.8 6.9 10.3



#12
1,1-Dichloroethene
Concen: 18.632 ug/l
RT: 3.11 min Scan# 172
Delta R.T. -0.00 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Tgt Ion: 96 Resp: 128642
Ion Ratio Lower Upper
96 100
61 166.6 129.8 194.8
98 61.3 51.2 76.8





#13

Acrolein

Concen: 91.193 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

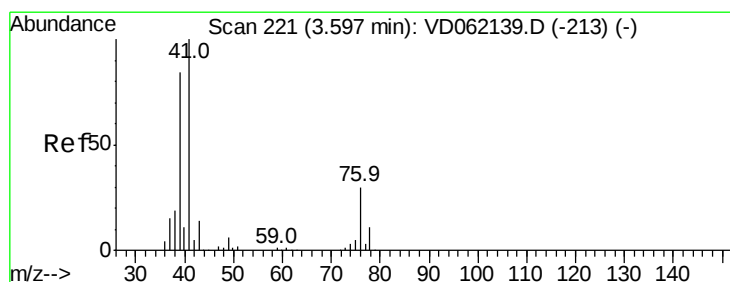
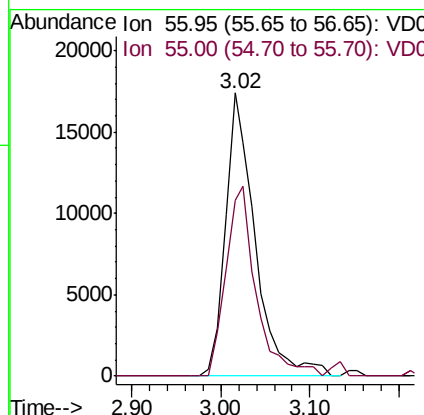
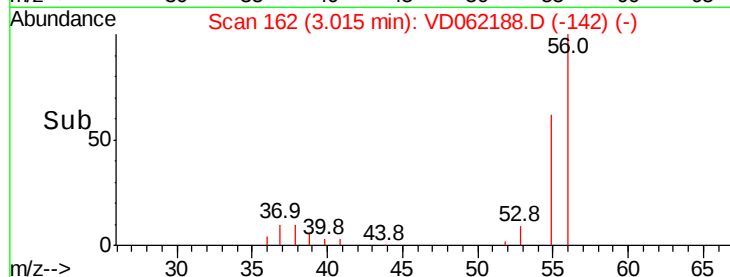
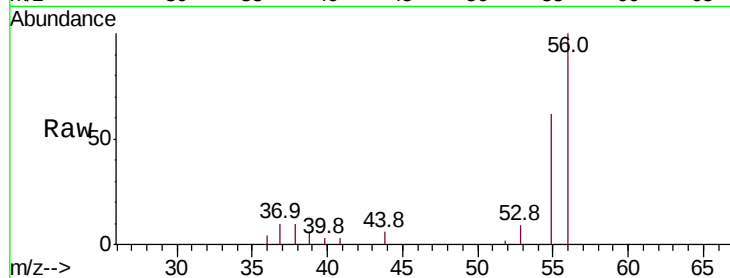
VD0509SBS01

Tot Ion: 56 Resp: 40515

Ion Ratio Lower Upper

56 100

55 62.2 51.4 77.2



#14

Allyl chloride

Concen: 20.349 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

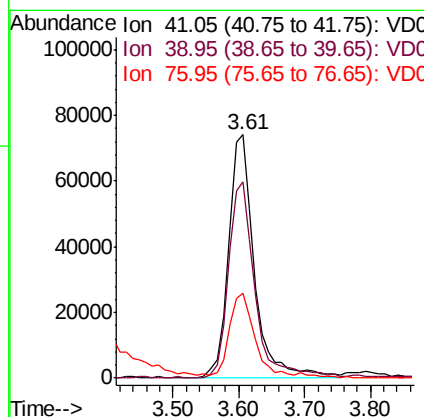
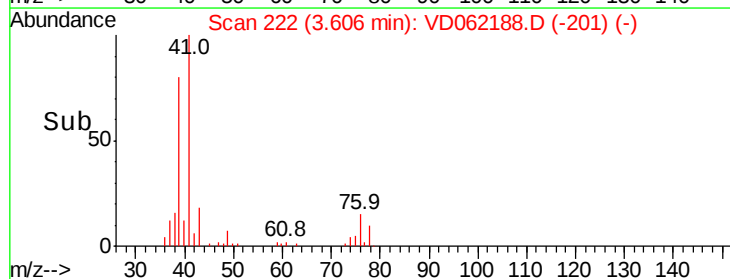
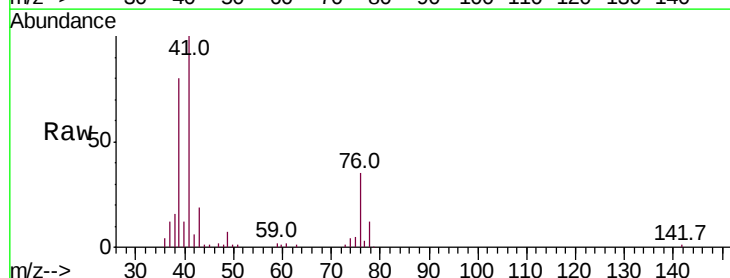
Tgt Ion: 41 Resp: 204277

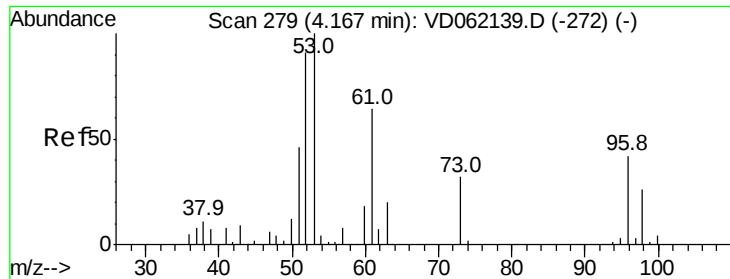
Ion Ratio Lower Upper

41 100

39 80.4 60.5 90.7

76 34.8 31.8 47.8

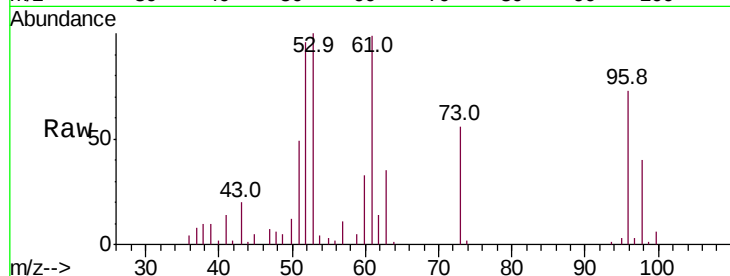




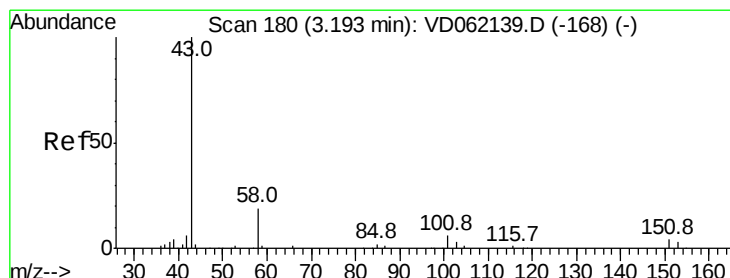
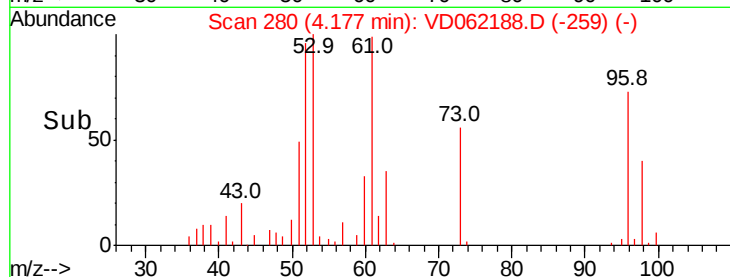
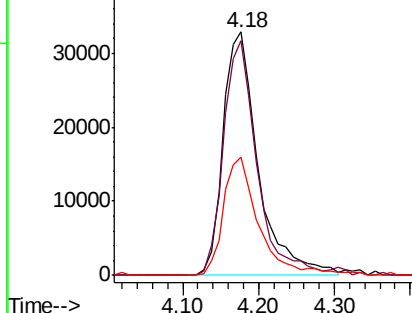
#15
 Acrylonitrile
 Concen: 93.494 ug/l
 RT: 4.18 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBS01

Tot Ion: 53 Resp: 105558
 Ion Ratio Lower Upper
 53 100
 52 96.4 65.0 97.4
 51 48.5 32.6 48.8

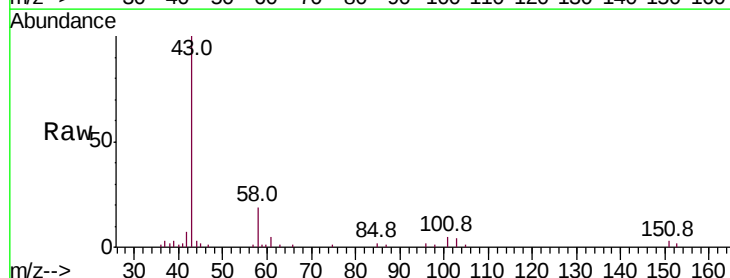


Abundance Ion 53.00 (52.70 to 53.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC
 Ion 51.00 (50.70 to 51.70): VDC

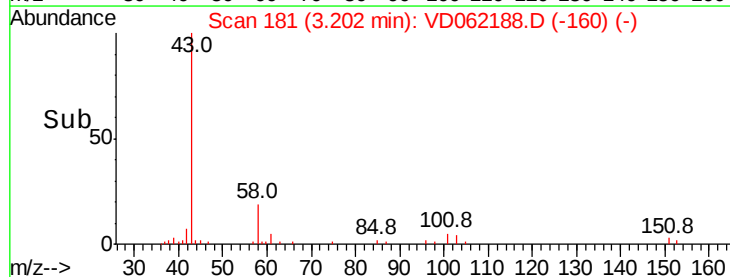
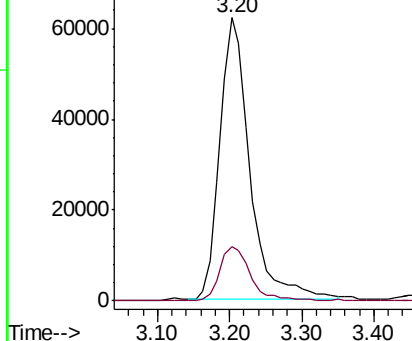


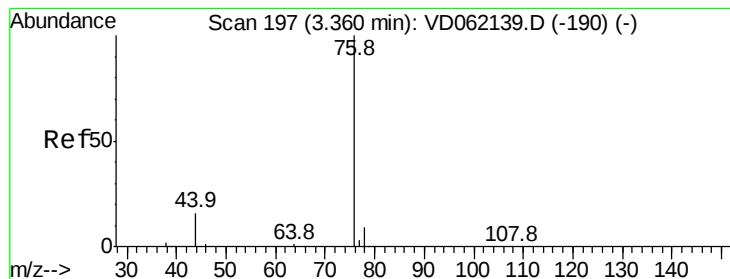
#16
 Acetone
 Concen: 100.672 ug/l
 RT: 3.20 min Scan# 181
 Delta R.T. 0.01 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

Tgt Ion: 43 Resp: 177659
 Ion Ratio Lower Upper
 43 100
 58 19.2 19.9 29.9#



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





#17

Carbon Disulfide

Concen: 16.869 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

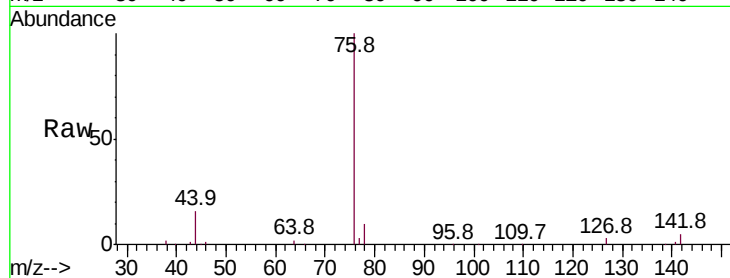
VD0509SBS01

Tot Ion: 76 Resp: 335038

Ion Ratio Lower Upper

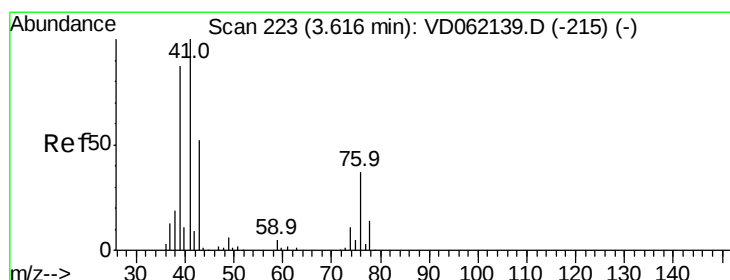
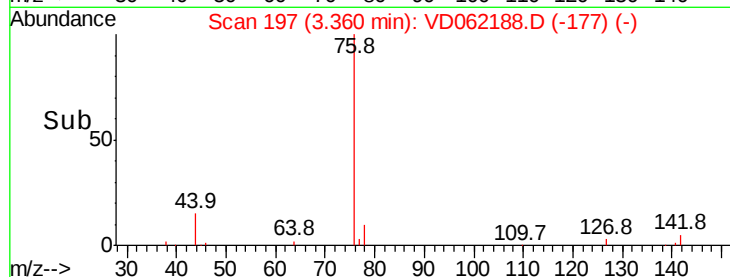
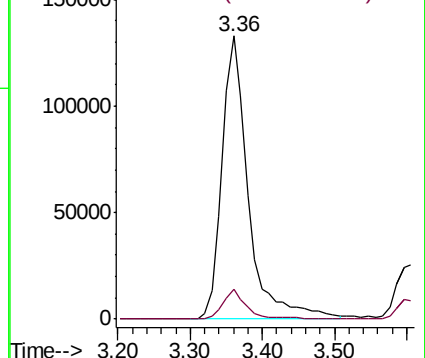
76 100

78 10.5 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 19.719 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062188.D

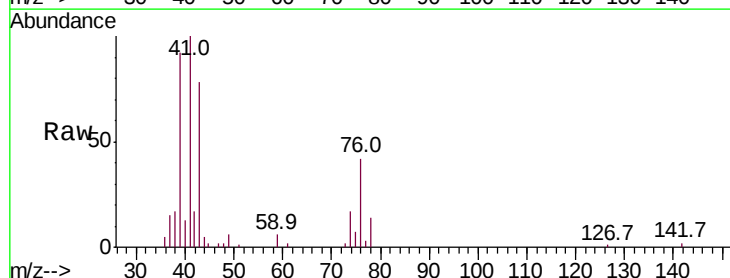
Acq: 9 May 2019 15:12

Tgt Ion: 43 Resp: 62817

Ion Ratio Lower Upper

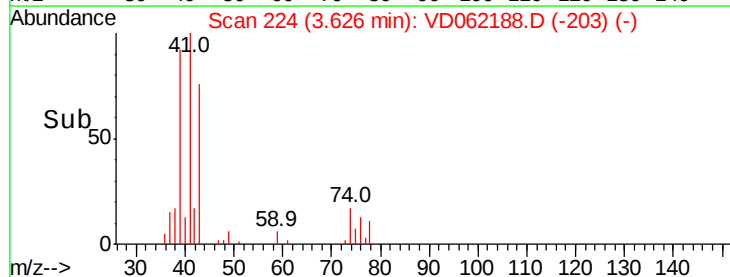
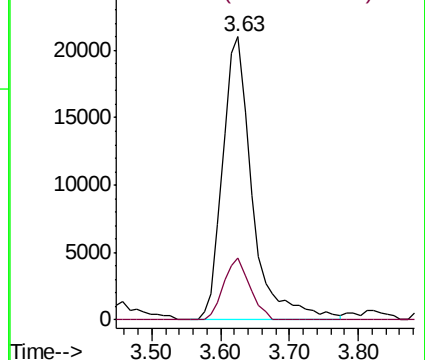
43 100

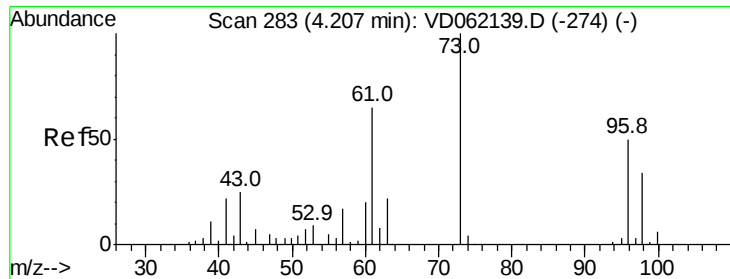
74 22.1 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

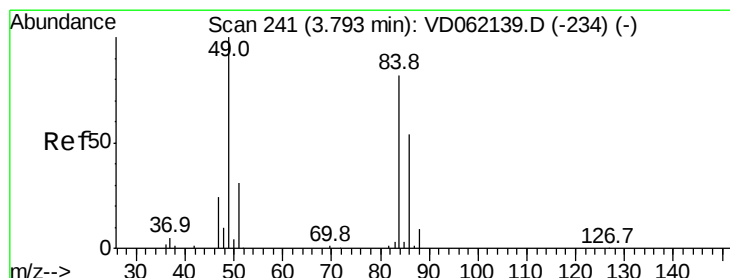
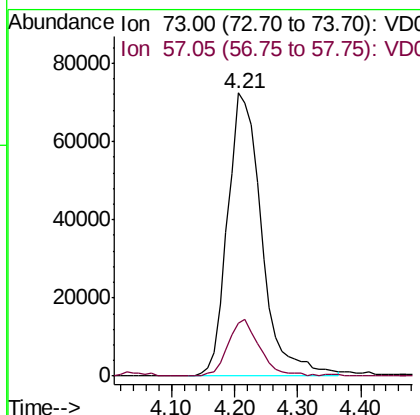
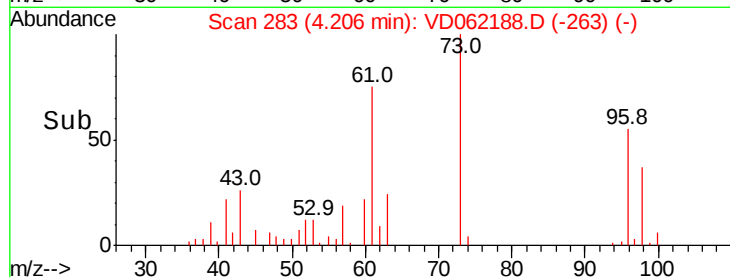
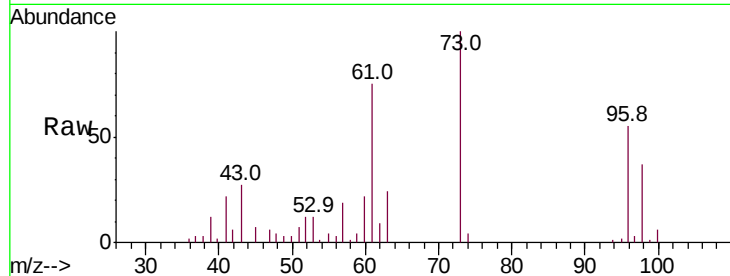




#19
Methyl tert-butyl Ether
Concen: 18.411 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.00 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

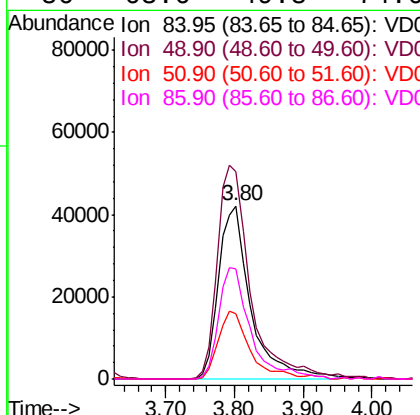
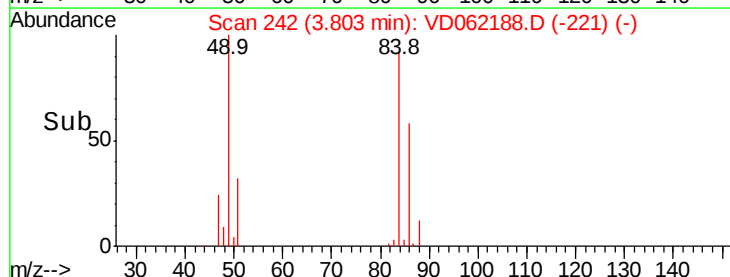
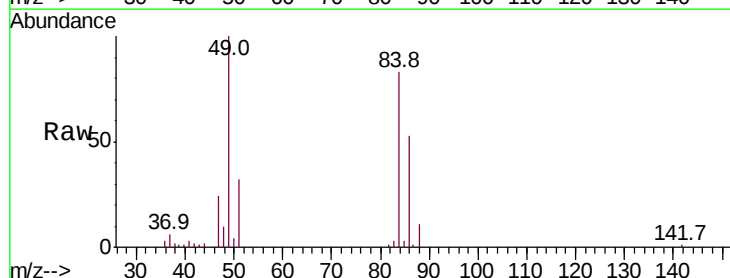
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

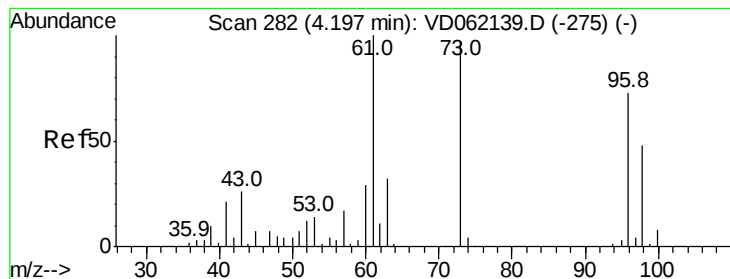
Tot Ion: 73 Resp: 272467
Ion Ratio Lower Upper
73 100
57 18.6 16.3 24.5



#20
Methylene Chloride
Concen: 18.513 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Tgt Ion: 84 Resp: 136412
Ion Ratio Lower Upper
84 100
49 120.2 94.0 141.0
51 37.9 29.0 43.4
86 63.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.861 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBS01

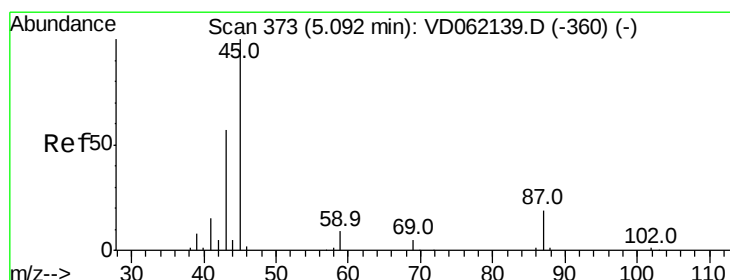
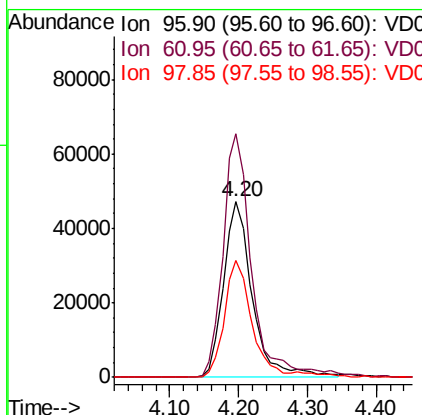
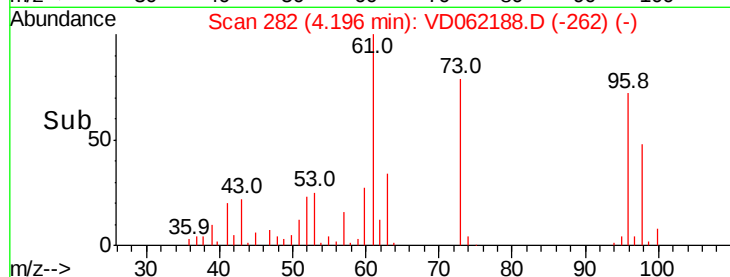
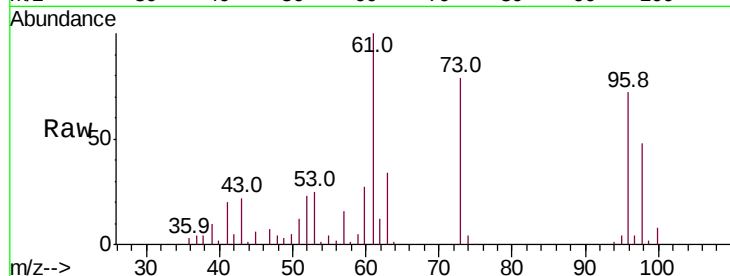
Tot Ion: 96 Resp: 137225

Ion Ratio Lower Upper

96 100

61 138.6 104.4 156.6

98 66.8 51.8 77.8



#22

Diisopropyl ether

Concen: 18.992 ug/l

RT: 5.09 min Scan# 373

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Tgt Ion: 45 Resp: 405721

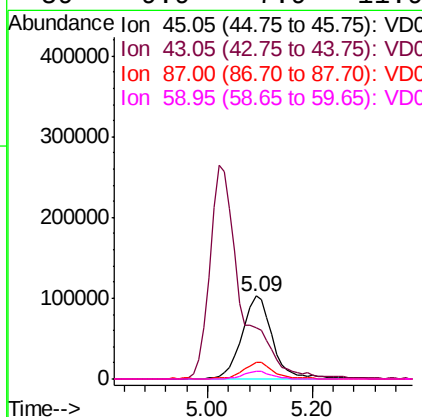
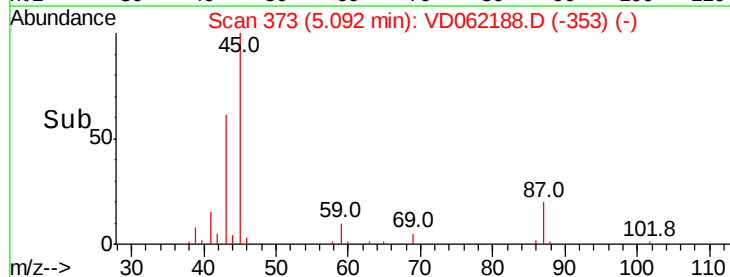
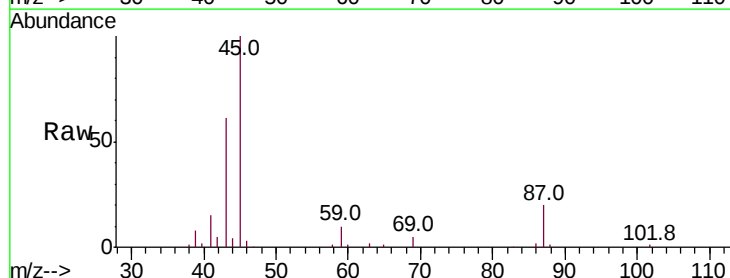
Ion Ratio Lower Upper

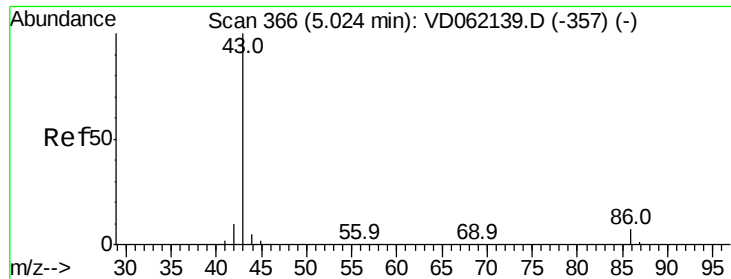
45 100

43 61.4 46.2 69.2

87 20.4 15.9 23.9

59 9.9 7.9 11.9





#23

Vinyl Acetate

Concen: 96.019 ug/l

RT: 5.02 min Scan# 366

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

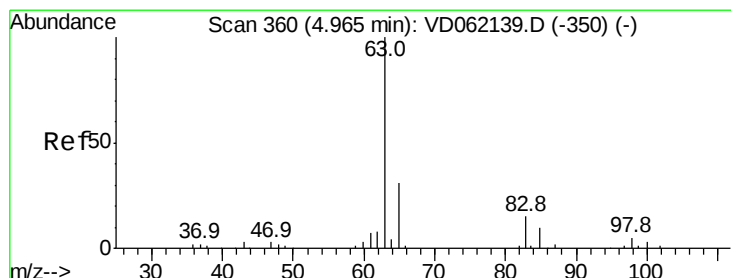
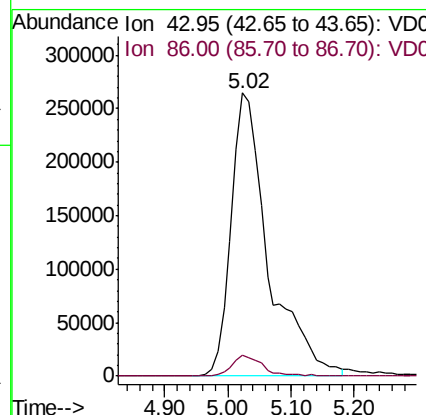
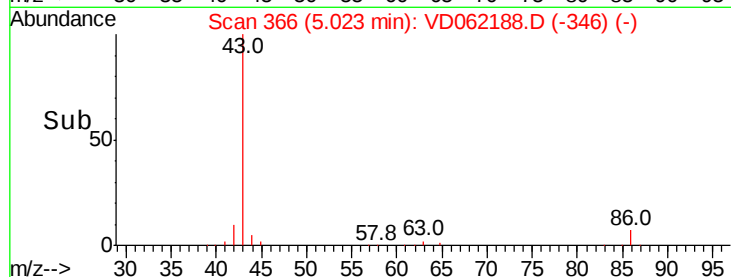
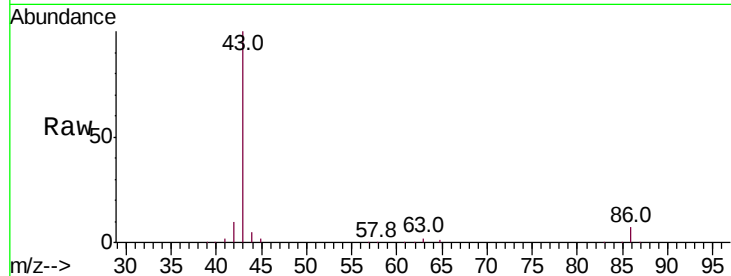
VD0509SBS01

Tot Ion: 43 Resp: 1082250

Ion Ratio Lower Upper

43 100

86 7.2 6.4 9.6



#24

1,1-Dichloroethane

Concen: 18.504 ug/l

RT: 4.95 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

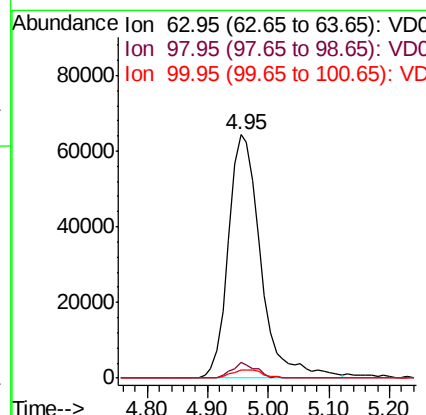
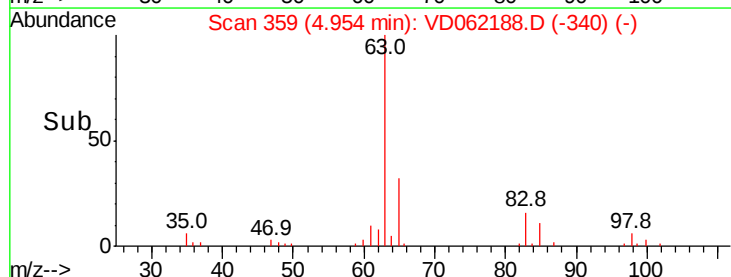
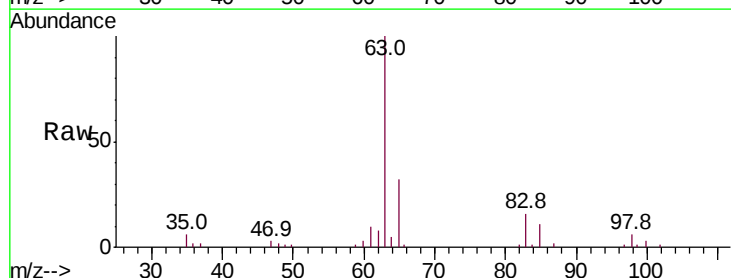
Tgt Ion: 63 Resp: 238461

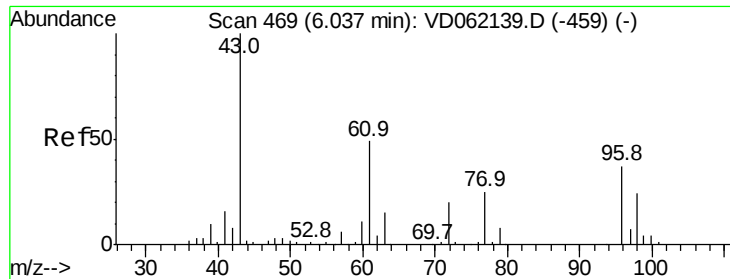
Ion Ratio Lower Upper

63 100

98 6.5 2.8 8.4

100 3.4 1.8 5.5





#25

2-Butanone

Concen: 91.602 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

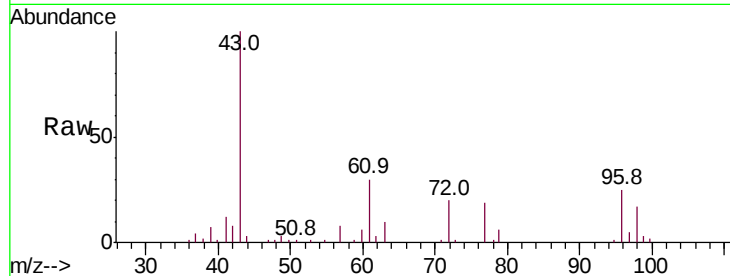
VD0509SBS01

Tot Ion: 43 Resp: 176324

Ion Ratio Lower Upper

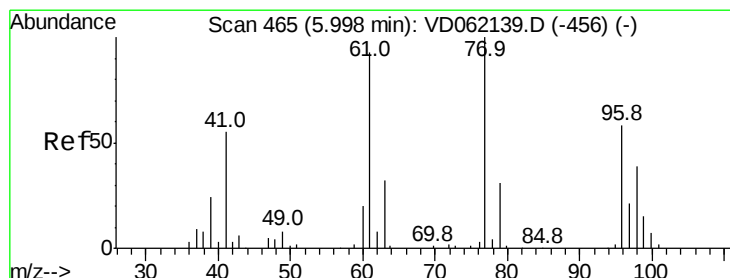
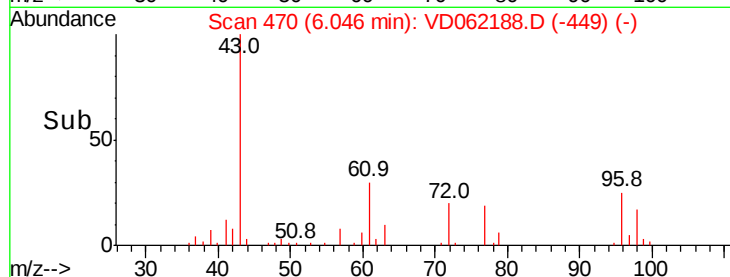
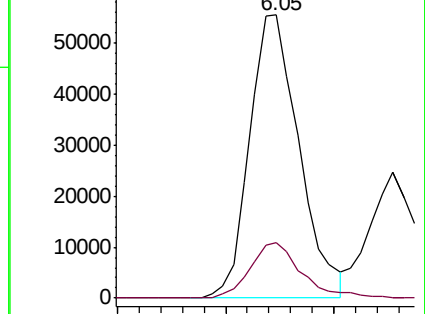
43 100

72 19.8 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.550 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD062188.D

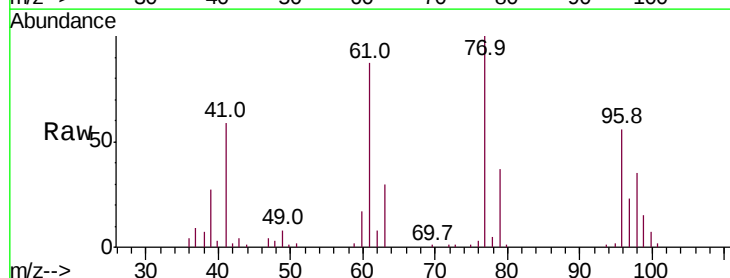
Acq: 9 May 2019 15:12

Tgt Ion: 77 Resp: 238134

Ion Ratio Lower Upper

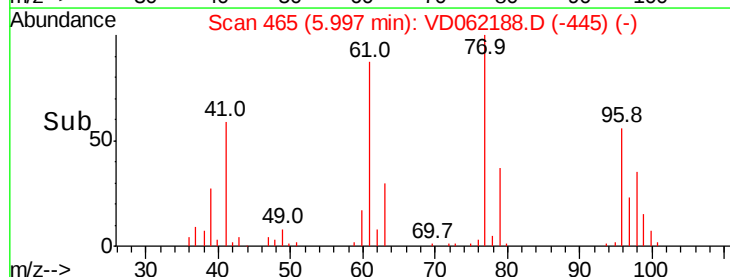
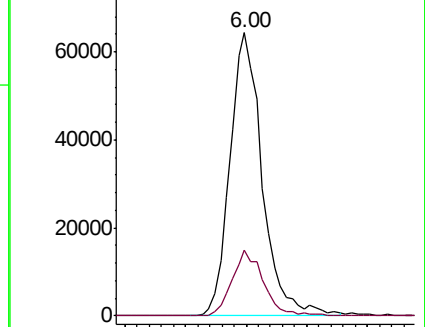
77 100

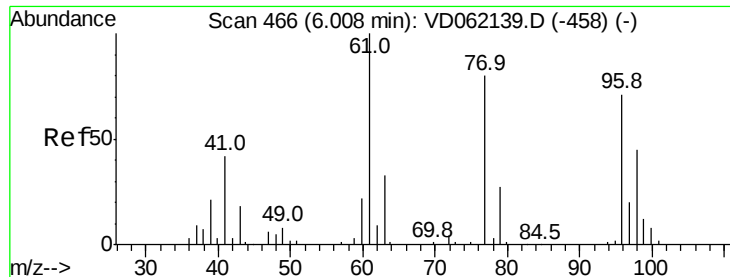
97 23.3 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



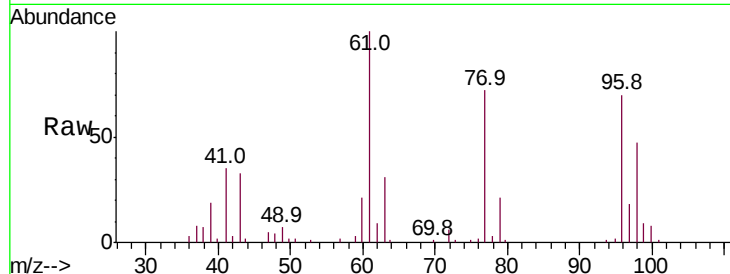


#27

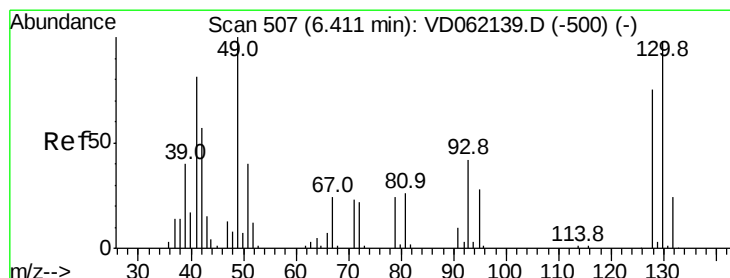
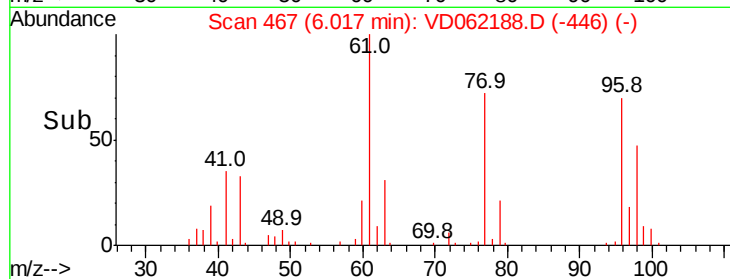
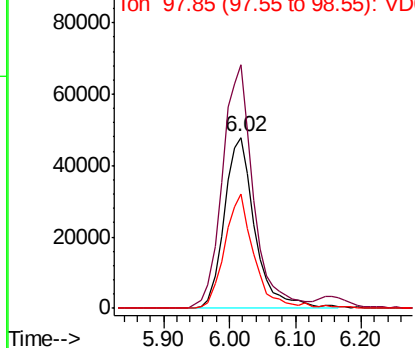
cis-1,2-Dichloroethene
Concen: 18.117 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.01 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

Tot Ion	96	Resp	155806
Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	279.8
98	67.3	0.0	136.0



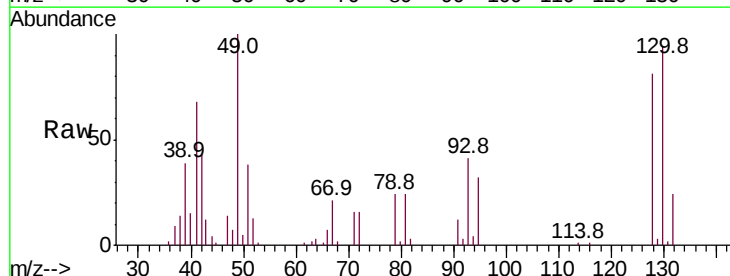
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



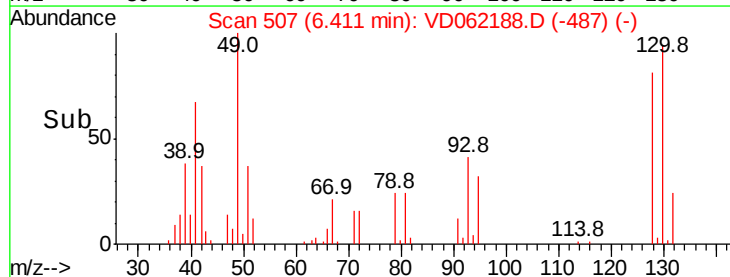
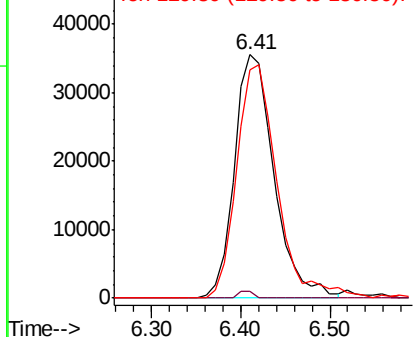
#28

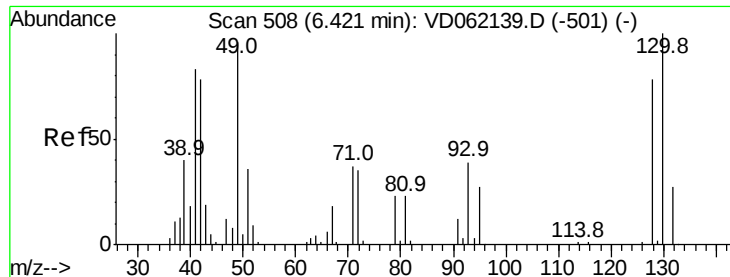
Bromochloromethane
Concen: 21.687 ug/l
RT: 6.41 min Scan# 507
Delta R.T. -0.00 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Tgt Ion	49	Resp	109958
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	6.6
130	93.9	86.7	130.1



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





#29

Tetrahydrofuran

Concen: 95.709 ug/l

RT: 6.43 min Scan# 509

Delta R.T. 0.01 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBS01

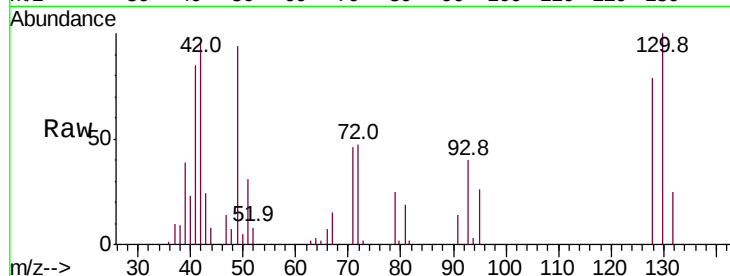
Tot Ion: 42 Resp: 84885

Ion Ratio Lower Upper

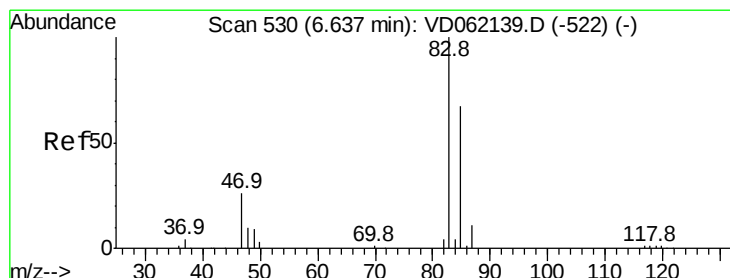
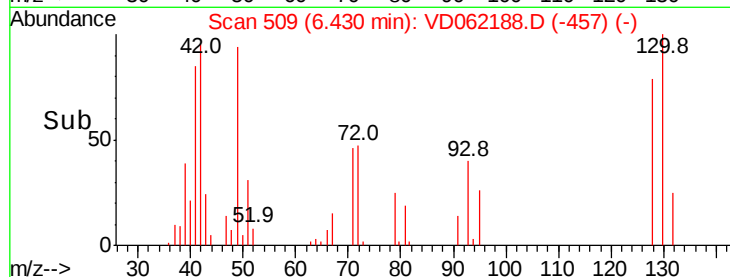
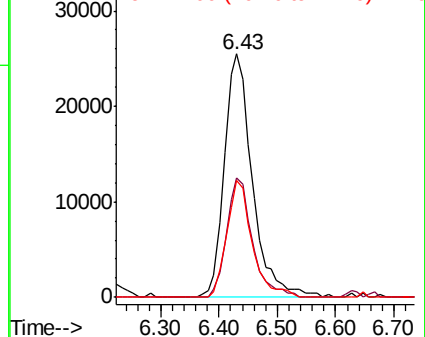
42 100

72 45.1 37.8 56.6

71 43.7 36.7 55.1



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



#30

Chloroform

Concen: 18.954 ug/l

RT: 6.64 min Scan# 530

Delta R.T. -0.00 min

Lab File: VD062188.D

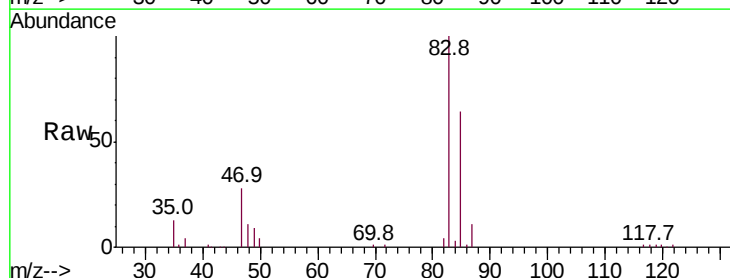
Acq: 9 May 2019 15:12

Tgt Ion: 83 Resp: 294382

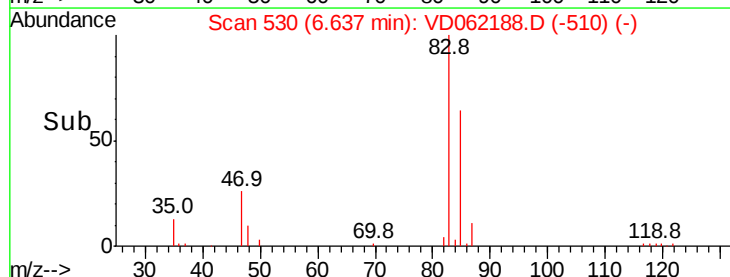
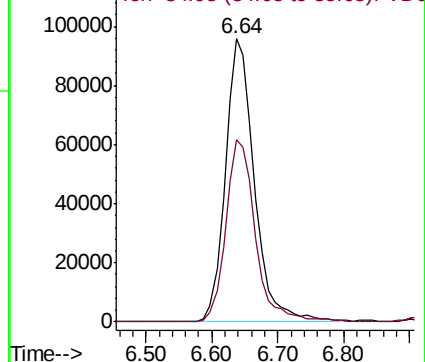
Ion Ratio Lower Upper

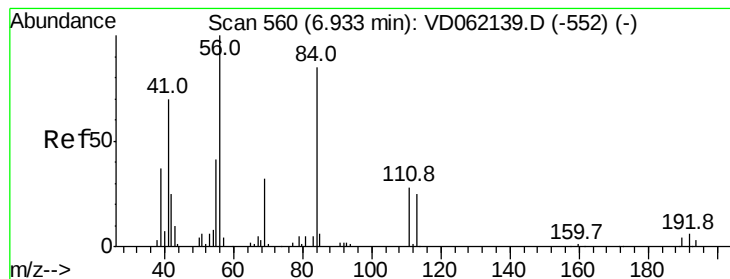
83 100

85 64.3 51.7 77.5



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





#31

Cyclohexane

Concen: 18.130 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

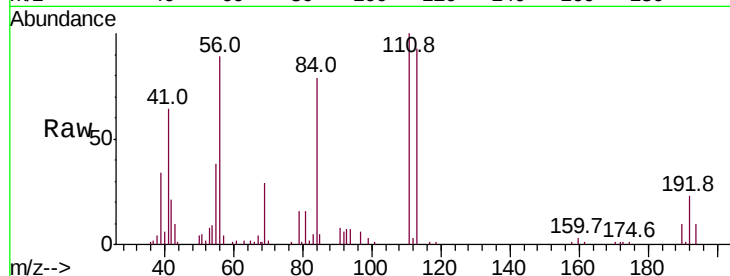
Tot Ion: 56 Resp: 160073

Ion Ratio Lower Upper

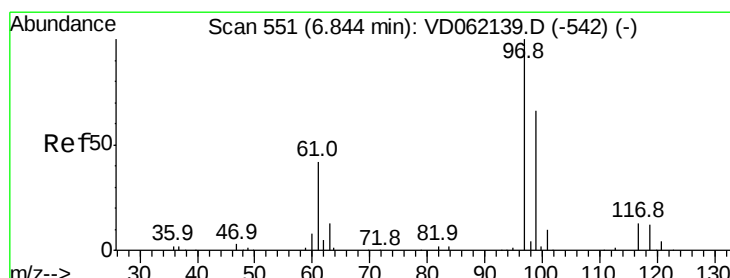
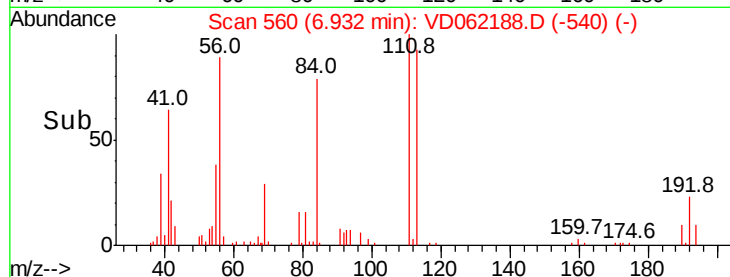
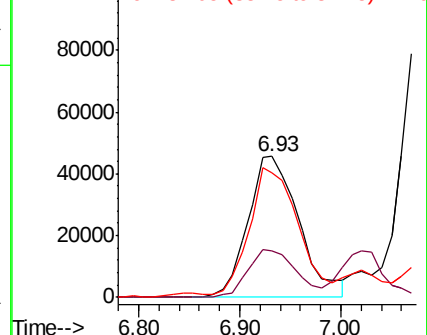
56 100

69 32.9 25.8 38.6

84 88.7 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 19.804 ug/l

RT: 6.84 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

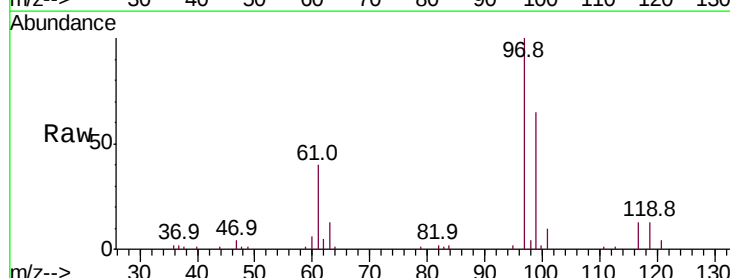
Tgt Ion: 97 Resp: 290730

Ion Ratio Lower Upper

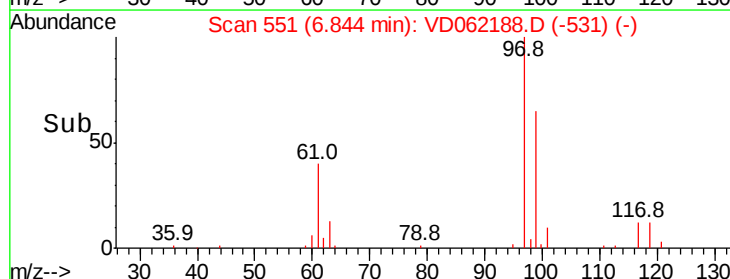
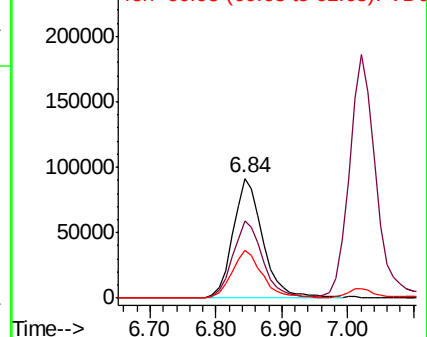
97 100

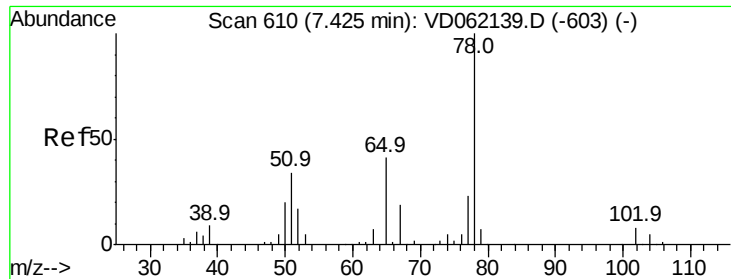
99 64.5 52.2 78.2

61 40.0 32.4 48.6



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

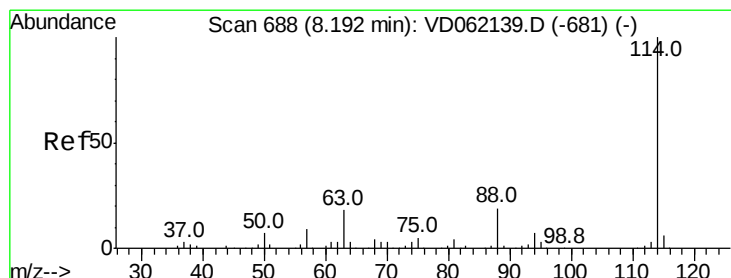
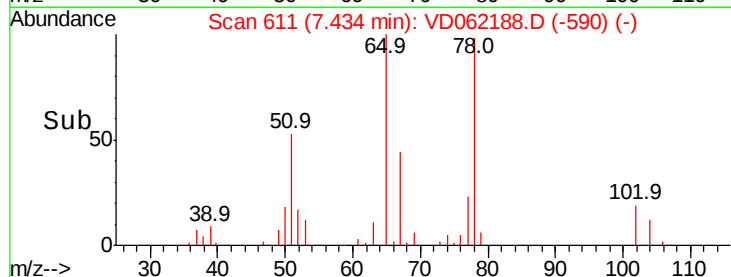
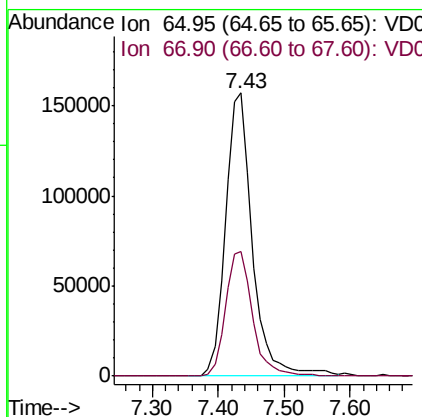
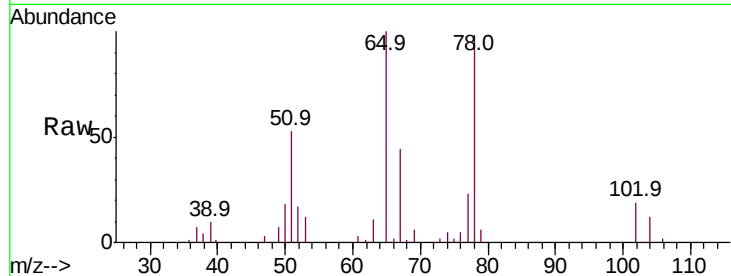




#33
 1,2-Dichloroethane-d4
 Concen: 53.236 ug/l
 RT: 7.43 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

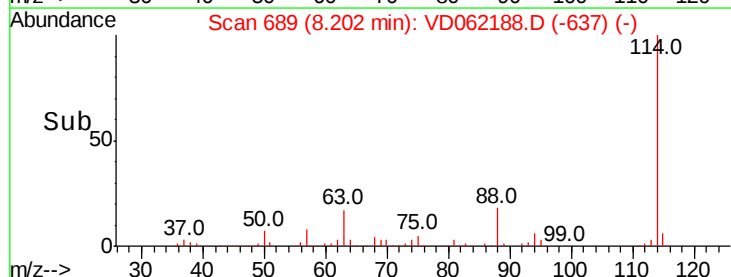
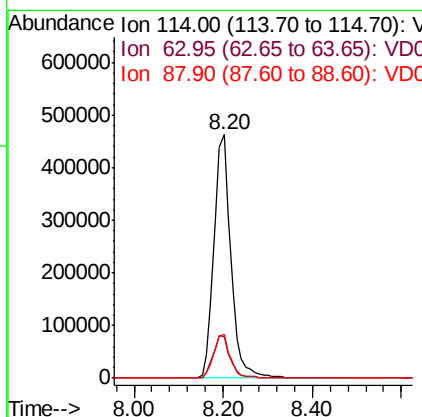
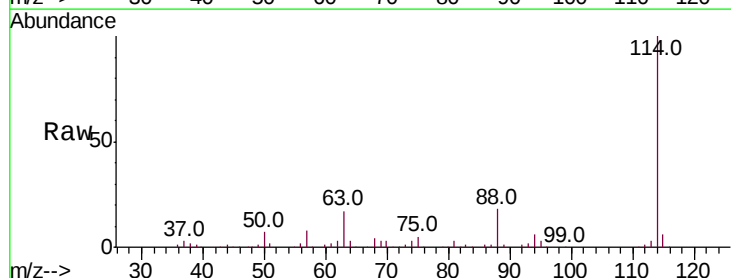
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBS01

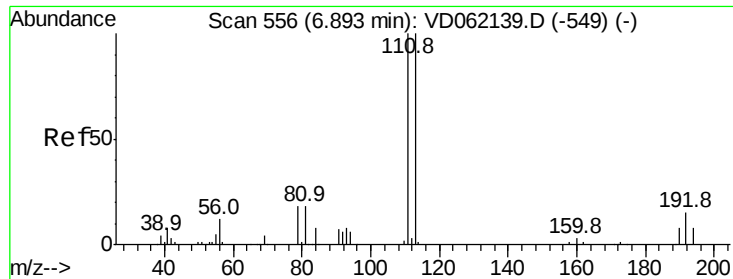
Tot Ion: 65 Resp: 447981
 Ion Ratio Lower Upper
 65 100
 67 44.2 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

Tgt Ion:114 Resp: 1221013
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 32.4
 88 17.8 0.0 33.6

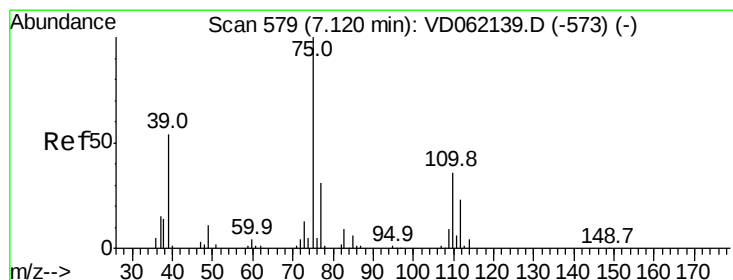
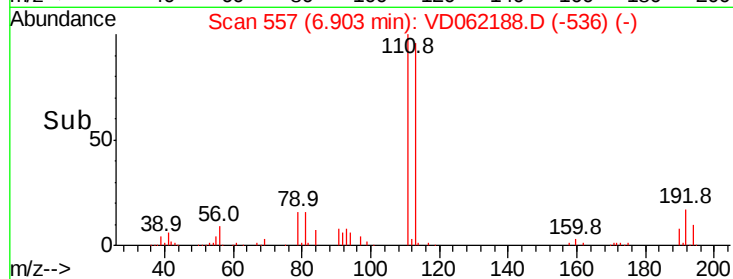
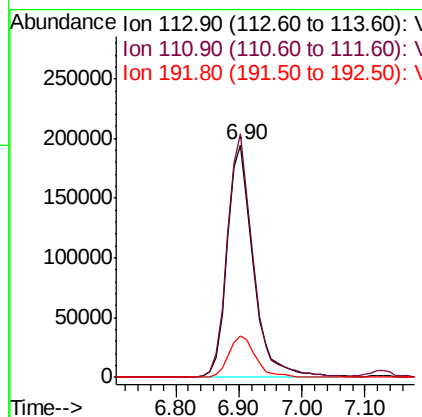
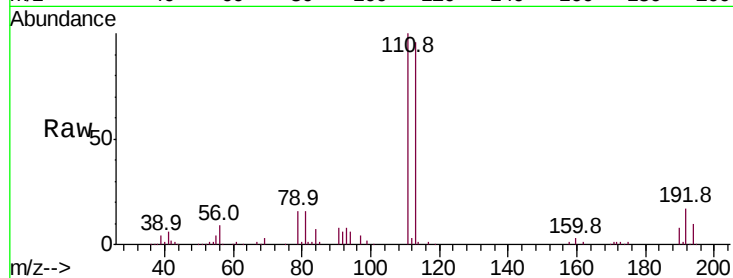




#35
 Dibromofluoromethane
 Concen: 55.010 ug/l
 RT: 6.90 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

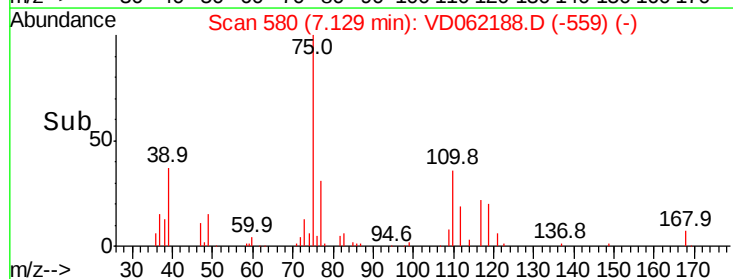
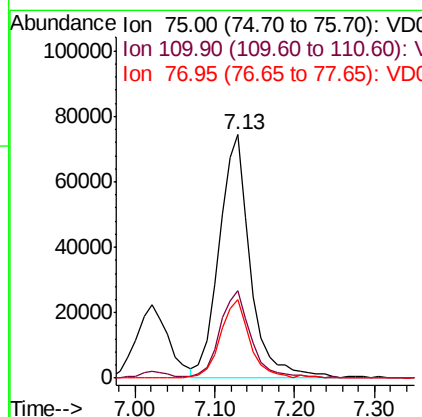
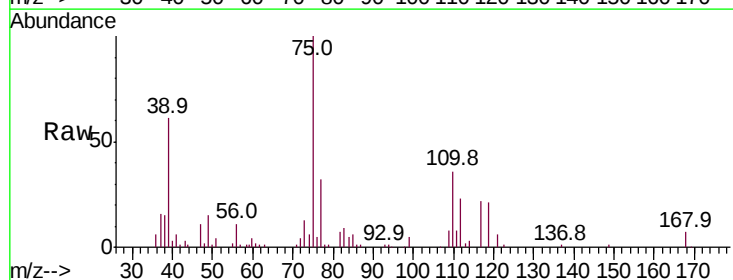
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBS01

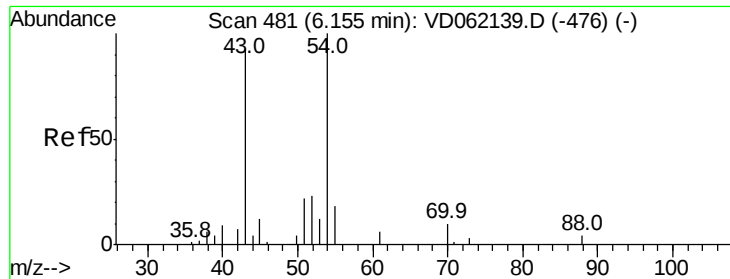
Tot Ion:113 Resp: 557305
 Ion Ratio Lower Upper
 113 100
 111 104.7 78.5 117.7
 192 18.1 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 20.365 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

Tgt Ion: 75 Resp: 203879
 Ion Ratio Lower Upper
 75 100
 110 35.7 19.1 57.1
 77 32.1 25.6 38.4

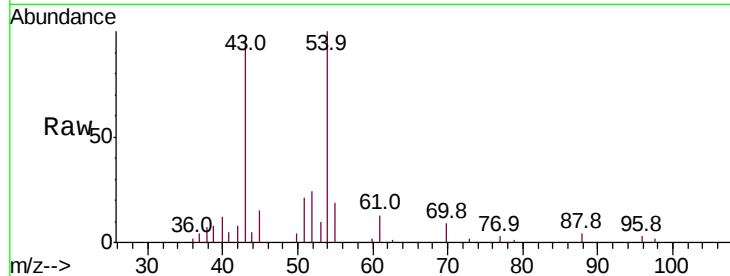




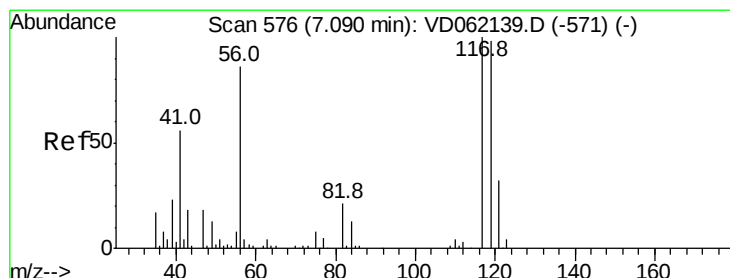
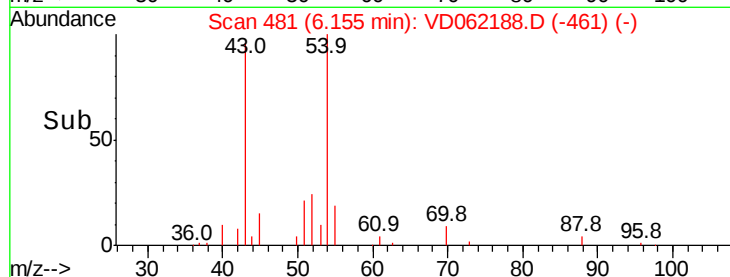
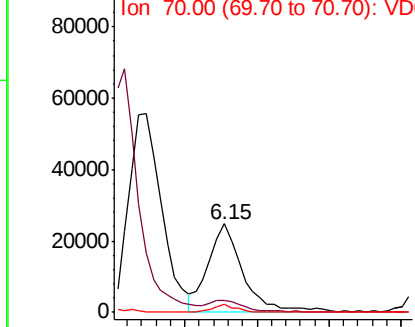
#37
Ethyl Acetate
Concen: 19.568 ug/l
RT: 6.15 min Scan# 481
Delta R.T. -0.00 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

Tot Ion: 43 Resp: 83077
Ion Ratio Lower Upper
43 100
61 13.9 14.7 22.1#
70 9.2 7.8 11.6

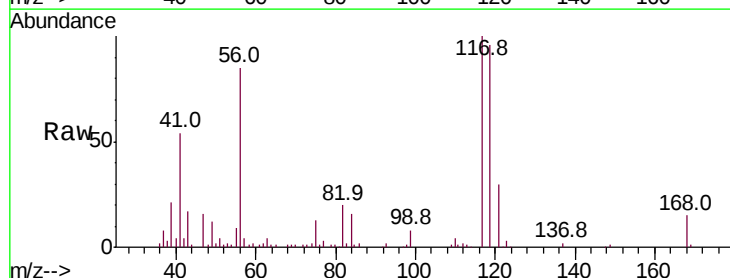


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

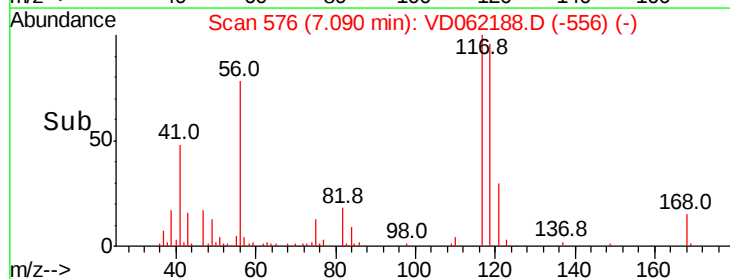
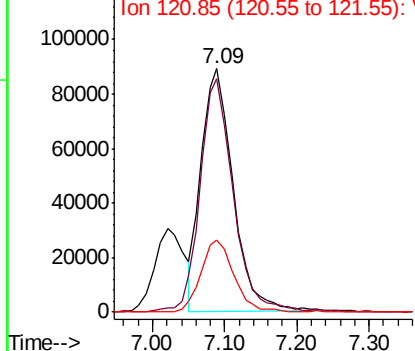


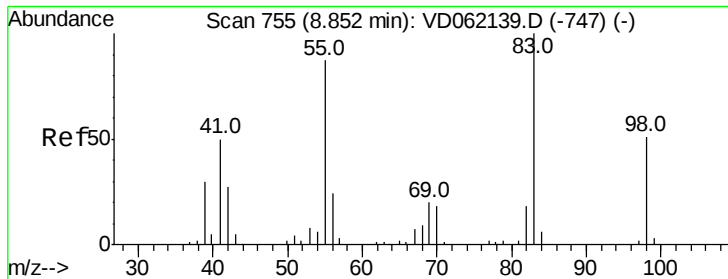
#38
Carbon Tetrachloride
Concen: 19.776 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.00 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Tgt Ion: 117 Resp: 274023
Ion Ratio Lower Upper
117 100
119 95.9 75.8 113.8
121 29.9 25.9 38.9



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

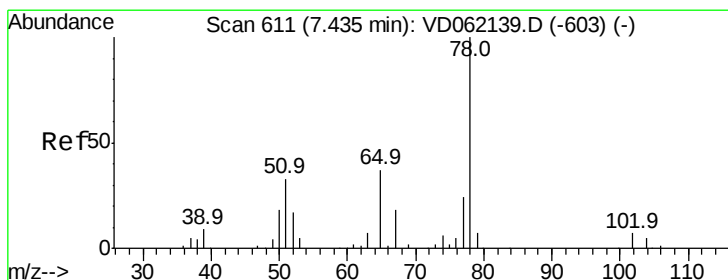
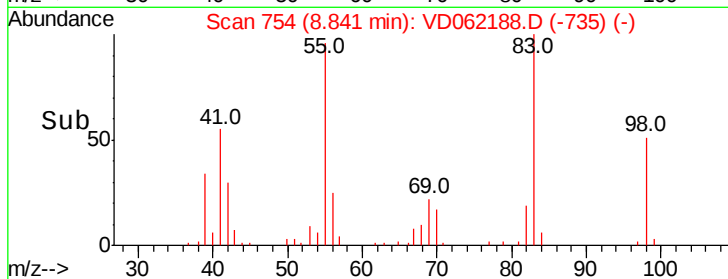
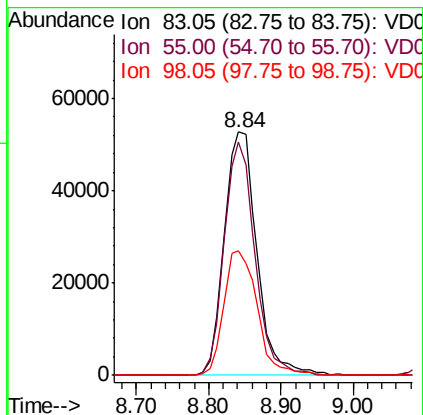
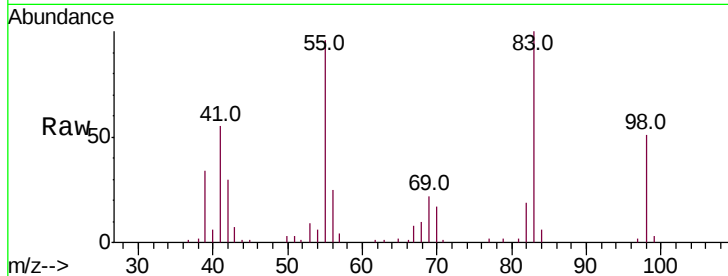




#39
Methvlcvclohexane
Concen: 17.232 ug/l
RT: 8.84 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

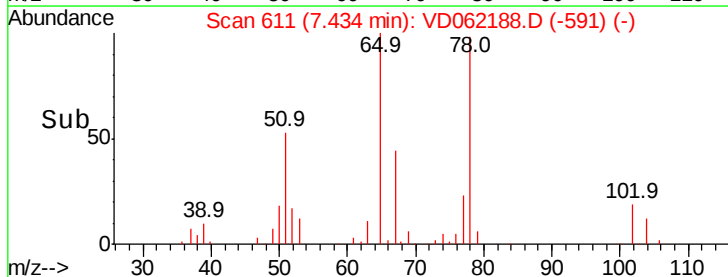
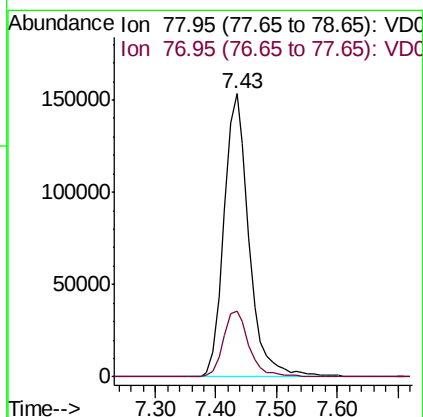
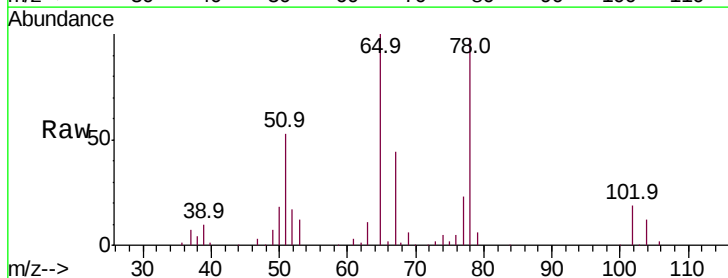
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

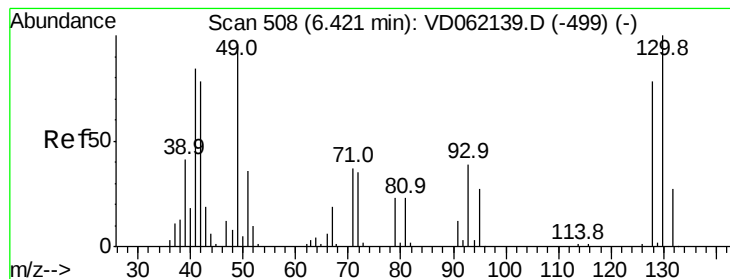
Tot Ion: 83 Resp: 165291
Ion Ratio Lower Upper
83 100
55 95.8 68.2 102.4
98 51.1 38.2 57.4



#40
Benzene
Concen: 19.375 ug/l
RT: 7.43 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Tgt Ion: 78 Resp: 438001
Ion Ratio Lower Upper
78 100
77 23.2 19.7 29.5





#41

Methacrylonitrile

Concen: 19.880 ug/l

RT: 6.42 min Scan# 508

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBS01

Tot Ion: 41 Resp: 103144

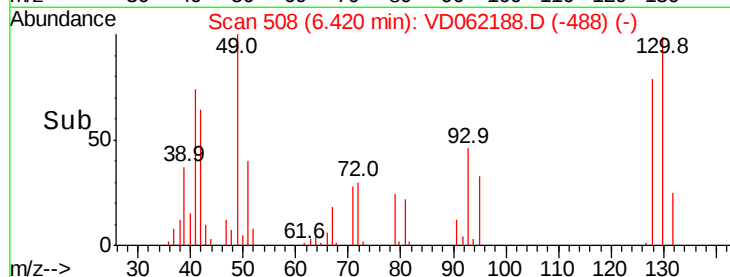
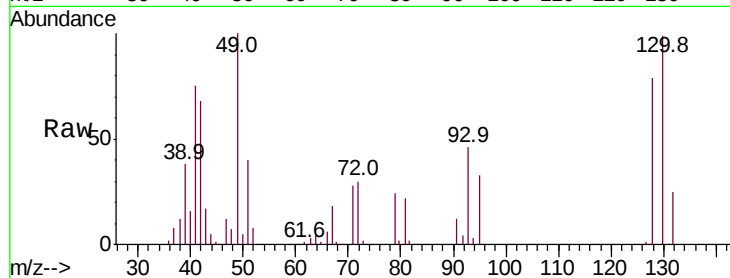
Ion Ratio Lower Upper

41 100

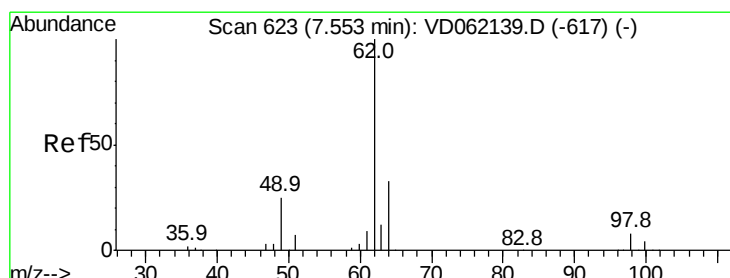
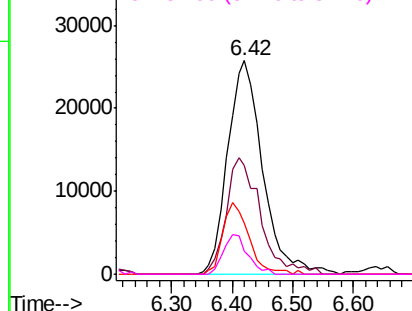
39 50.8 34.1 51.1

67 23.9 23.8 35.6

52 11.0 8.8 13.2



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



#42

1,2-Dichloroethane

Concen: 19.578 ug/l

RT: 7.55 min Scan# 623

Delta R.T. -0.00 min

Lab File: VD062188.D

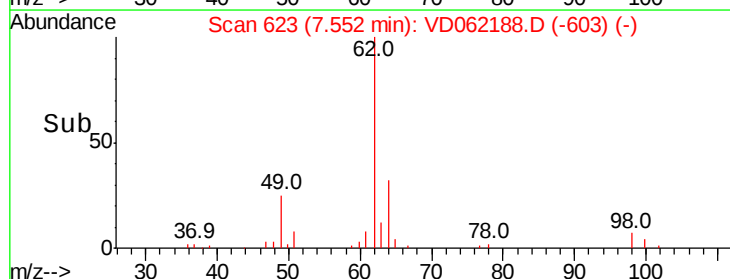
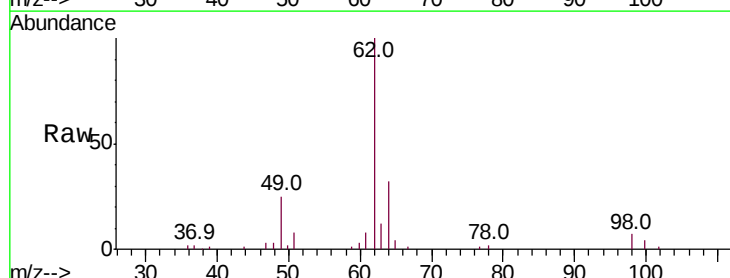
Acq: 9 May 2019 15:12

Tgt Ion: 62 Resp: 187513

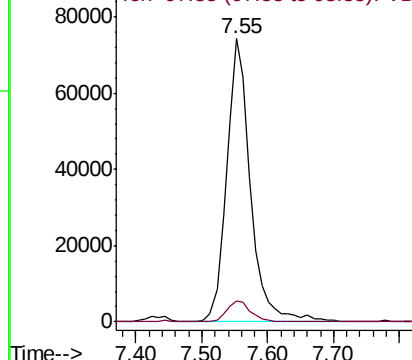
Ion Ratio Lower Upper

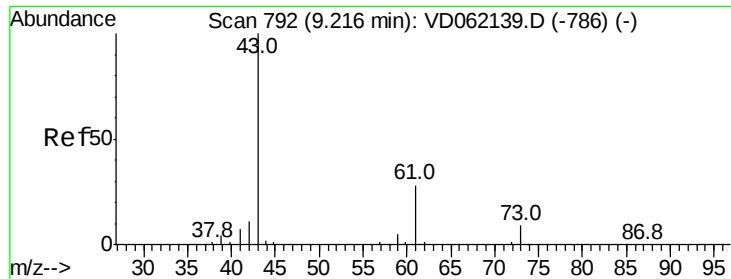
62 100

98 7.4 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 19.224 ug/l

RT: 9.22 min Scan# 792

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBS01

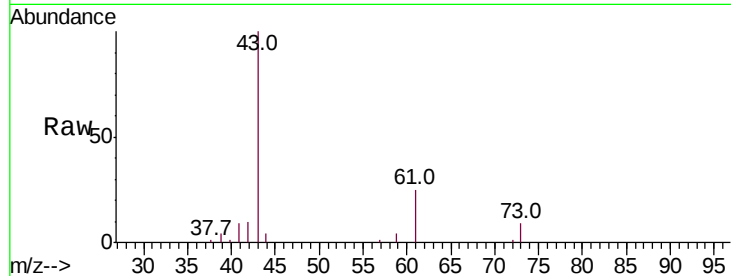
Tot Ion: 43 Resp: 115754

Ion Ratio Lower Upper

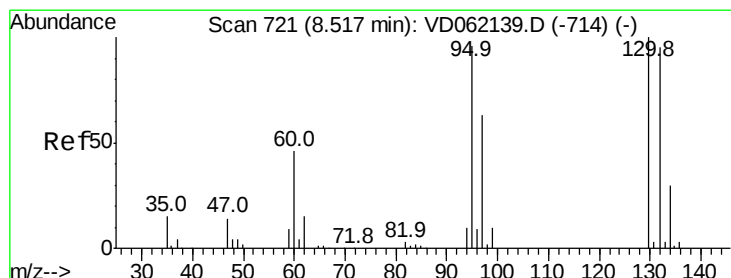
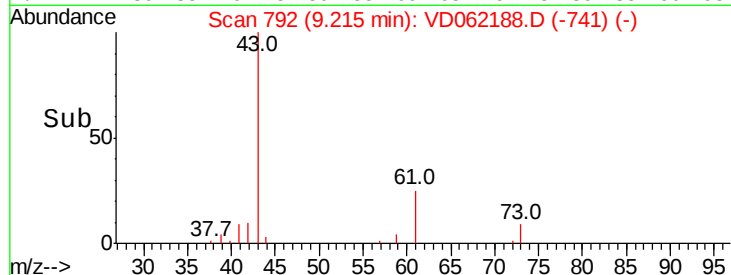
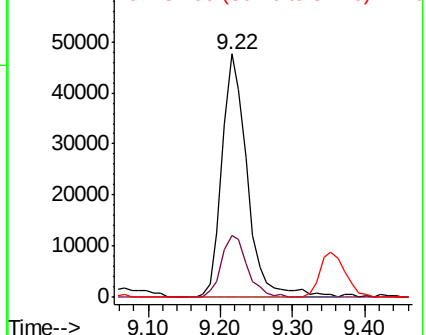
43 100

61 25.4 25.1 37.7

87 0.0 0.0 0.0



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



#44

Trichloroethene

Concen: 19.790 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.00 min

Lab File: VD062188.D

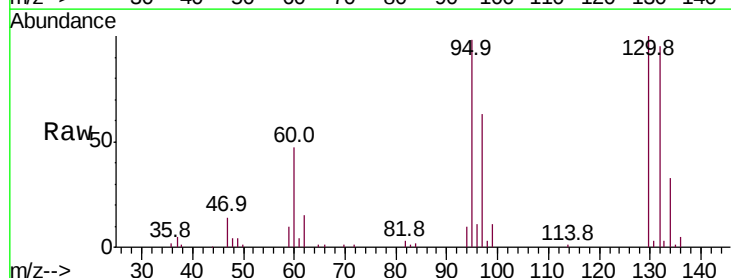
Acq: 9 May 2019 15:12

Tgt Ion:130 Resp: 170476

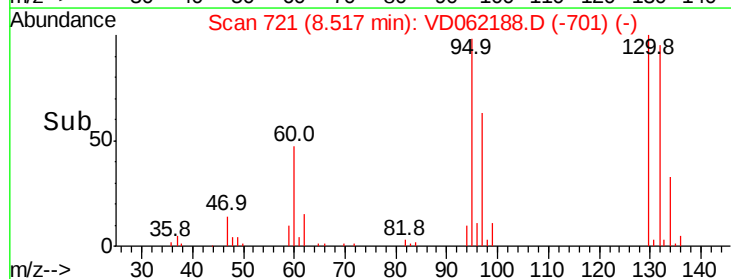
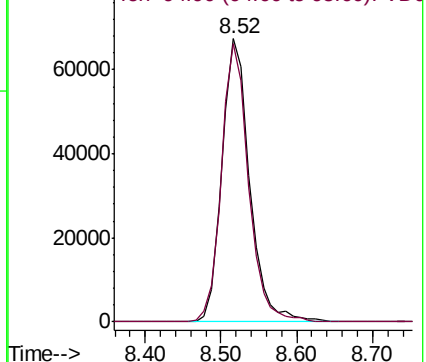
Ion Ratio Lower Upper

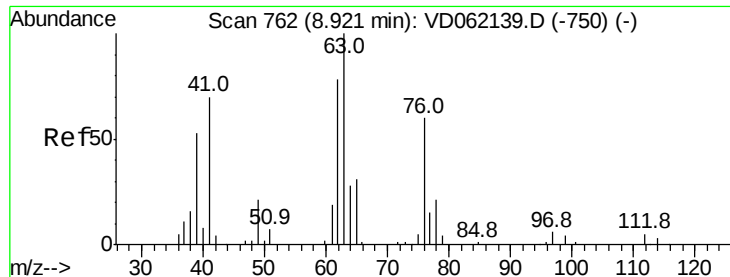
130 100

95 98.5 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 20.853 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

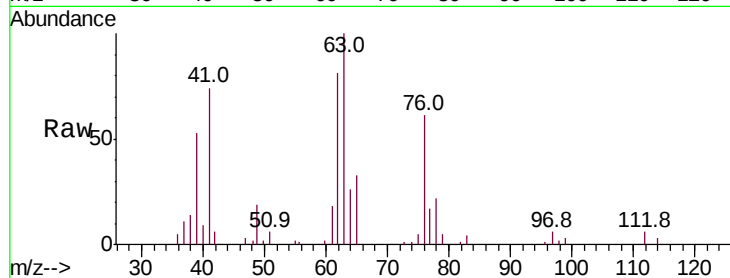
VD0509SBS01

Tot Ion: 63 Resp: 116605

Ion Ratio Lower Upper

63 100

65 33.3 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.92

50000

40000

30000

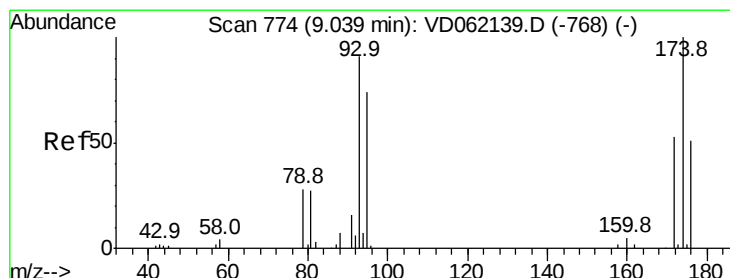
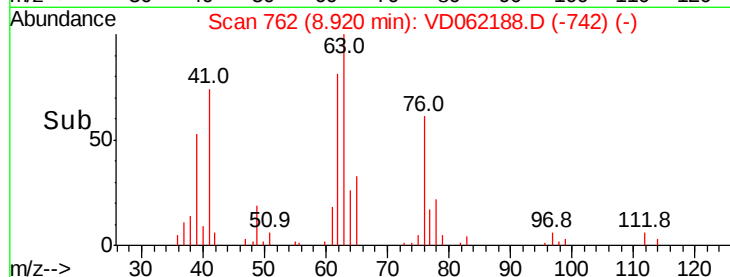
20000

10000

0

Time-->

8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 19.089 ug/l

RT: 9.04 min Scan# 774

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

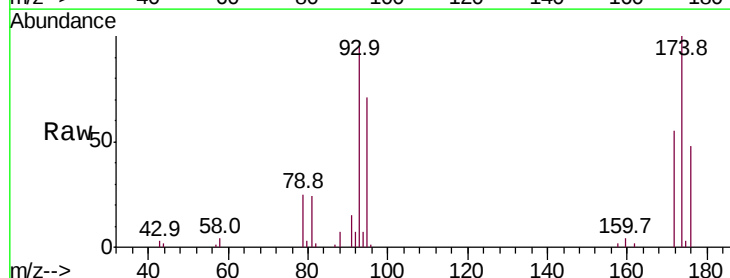
Tgt Ion: 93 Resp: 86799

Ion Ratio Lower Upper

93 100

95 74.4 64.8 97.2

174 105.4 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.04

50000

40000

30000

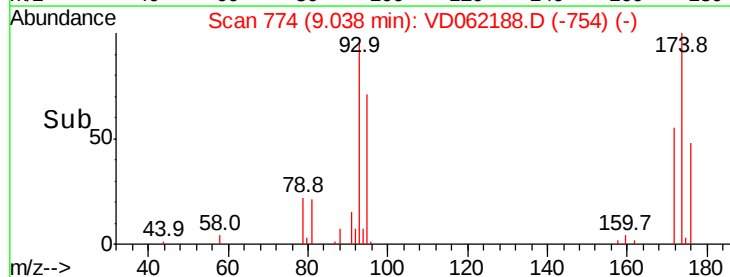
20000

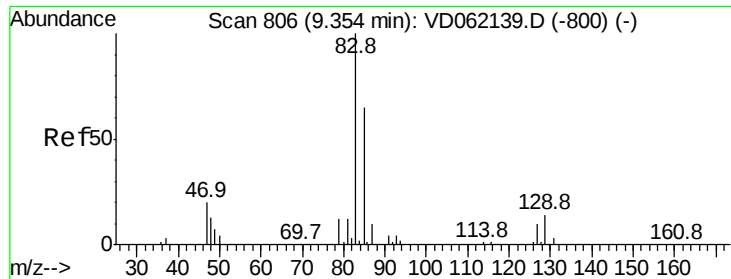
10000

0

Time-->

8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 18.854 ug/l

RT: 9.35 min Scan# 806

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBS01

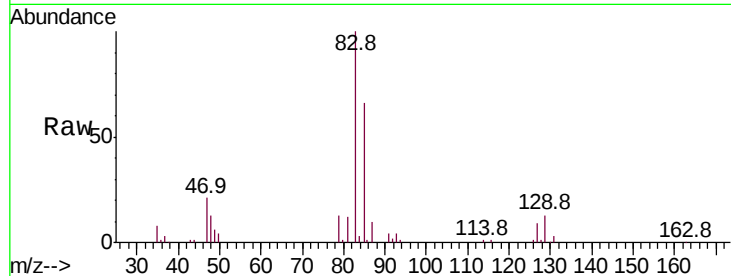
Tot Ion: 83 Resp: 209701

Ion Ratio Lower Upper

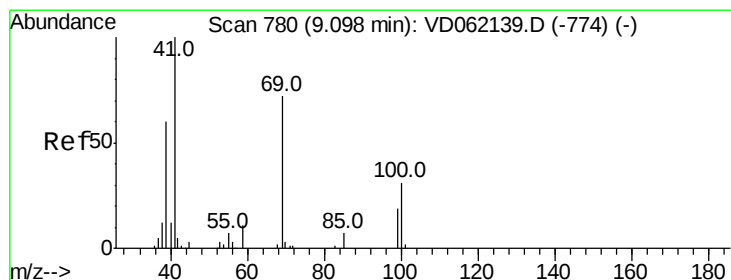
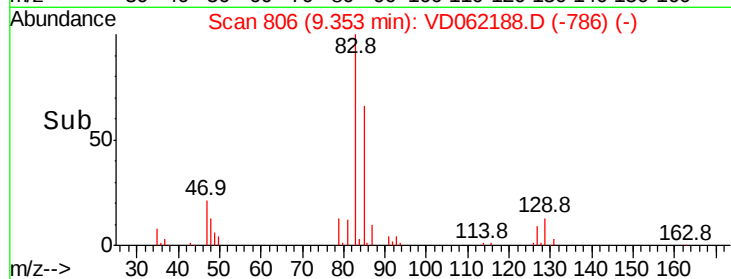
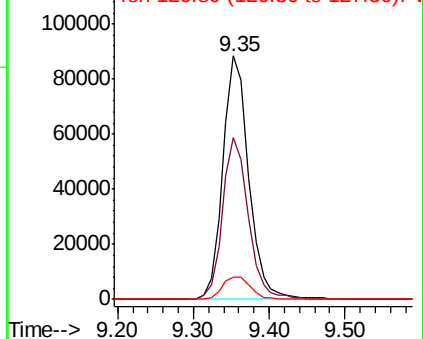
83 100

85 66.3 50.9 76.3

127 9.3 8.1 12.1



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



#48

Methyl methacrylate

Concen: 19.216 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

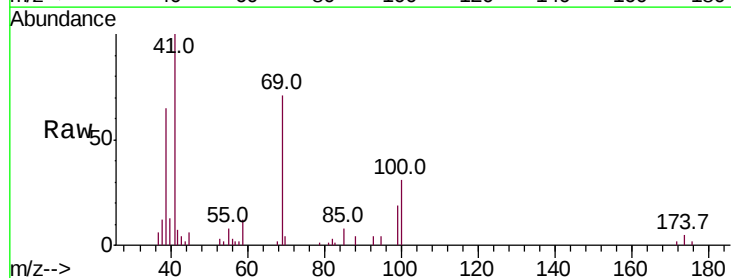
Tgt Ion: 41 Resp: 71270

Ion Ratio Lower Upper

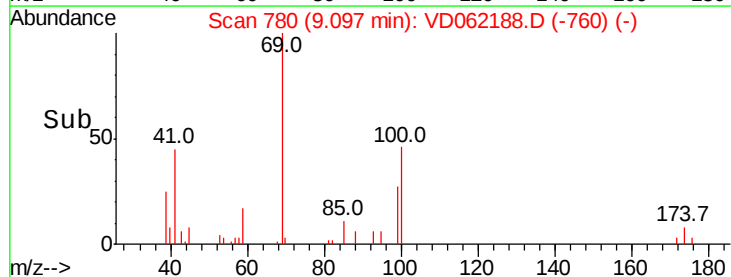
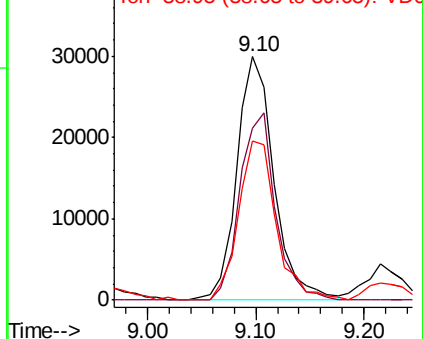
41 100

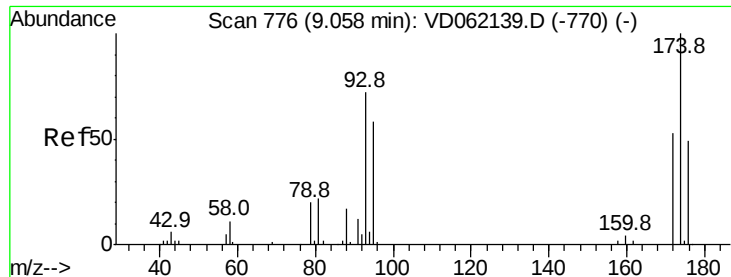
69 70.5 64.2 96.2

39 65.5 46.8 70.2



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

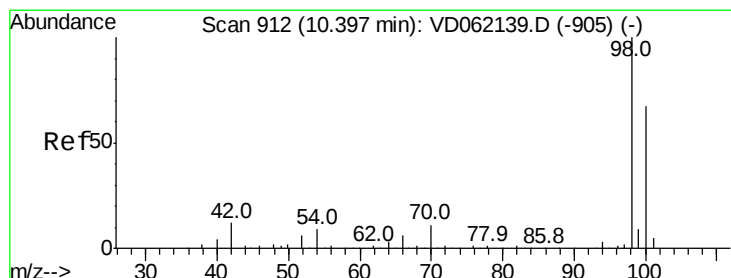
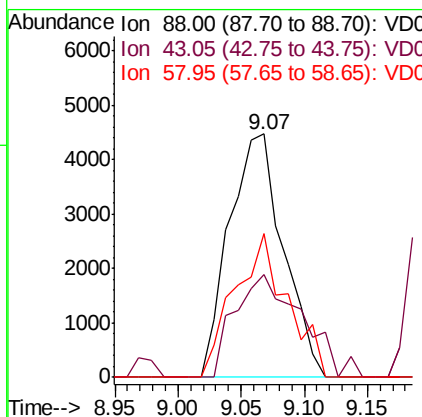
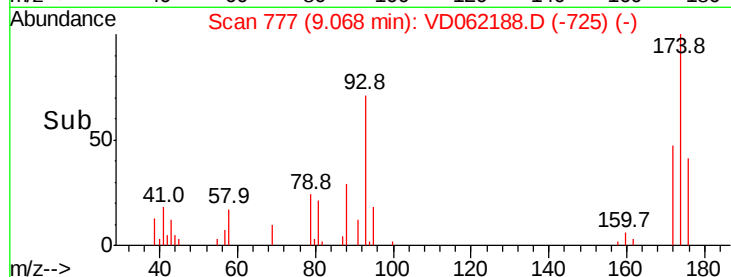
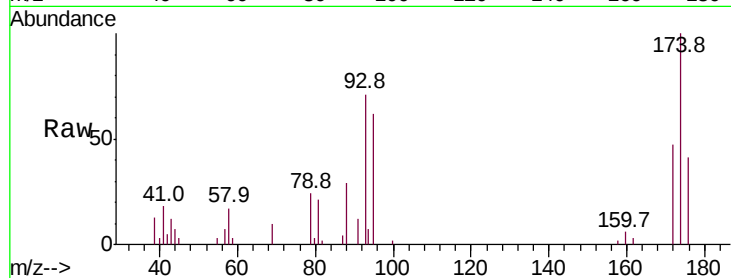




#49
1,4-Dioxane
Concen: 332.215 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

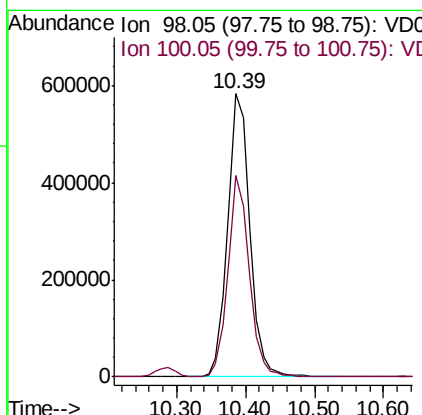
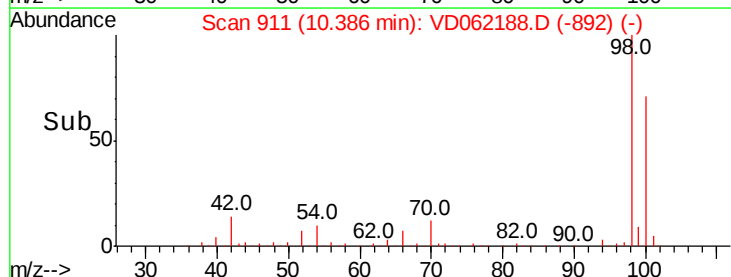
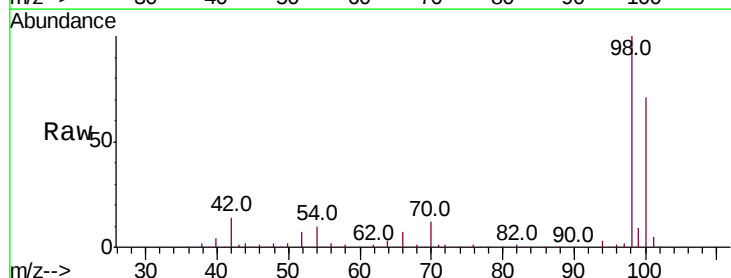
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

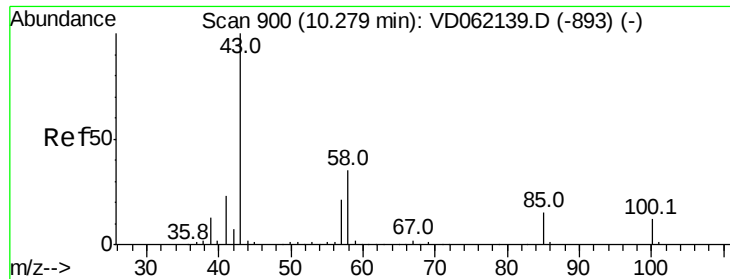
Tot Ion: 88 Resp: 13294
Ion Ratio Lower Upper
88 100
43 42.0 23.4 35.0#
58 59.3 44.0 66.0



#50
Toluene-d8
Concen: 53.324 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Tgt Ion: 98 Resp: 1302512
Ion Ratio Lower Upper
98 100
100 71.1 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 93.574 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

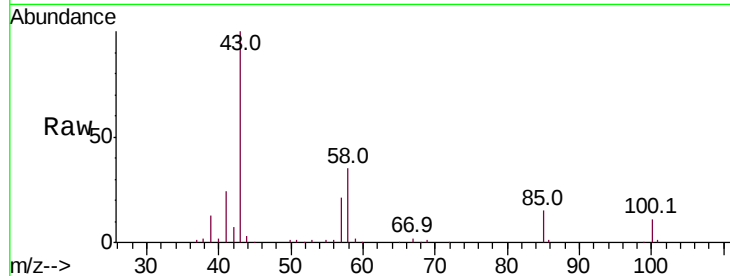
VD0509SBS01

Tot Ion: 43 Resp: 362175

Ion Ratio Lower Upper

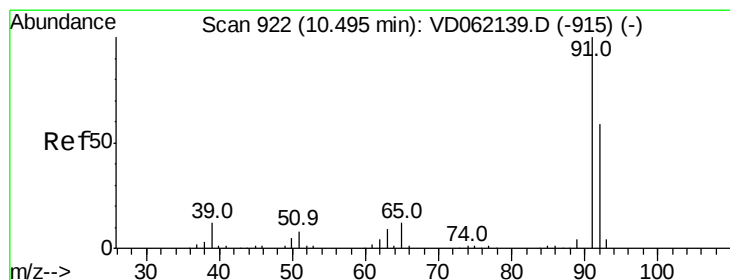
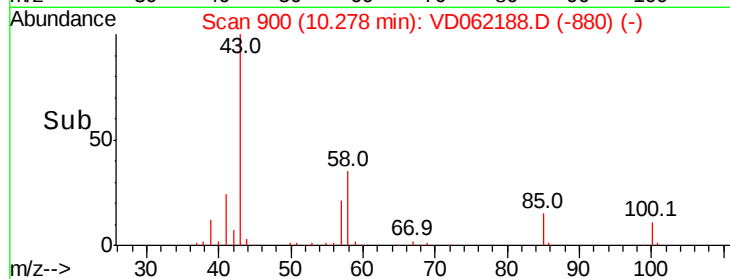
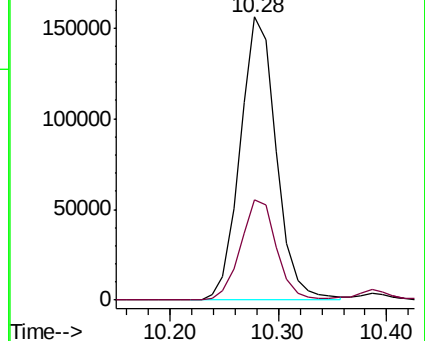
43 100

58 35.3 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 18.765 ug/l

RT: 10.48 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD062188.D

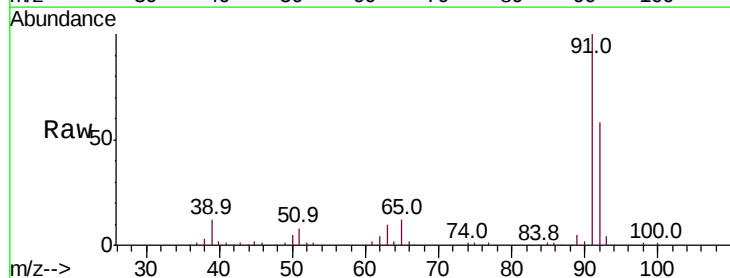
Acq: 9 May 2019 15:12

Tgt Ion: 92 Resp: 276001

Ion Ratio Lower Upper

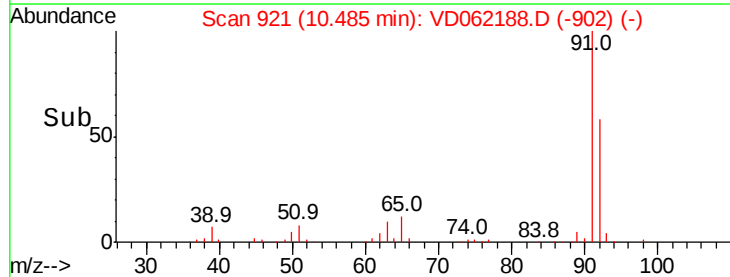
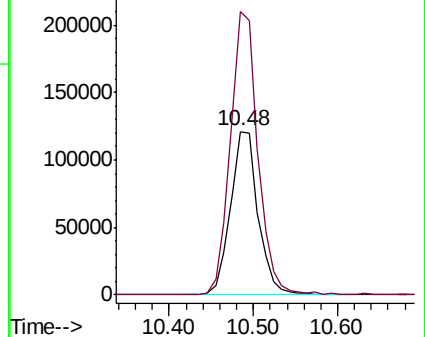
92 100

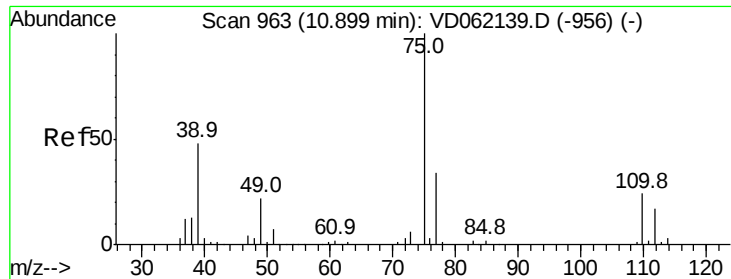
91 172.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

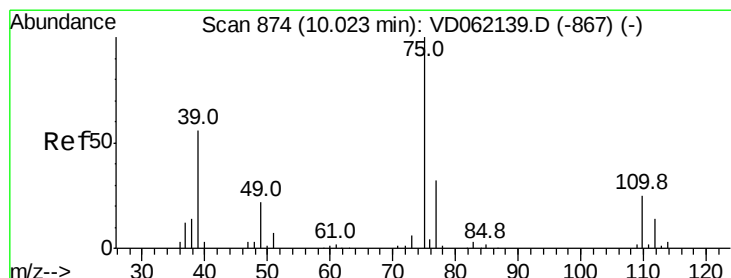
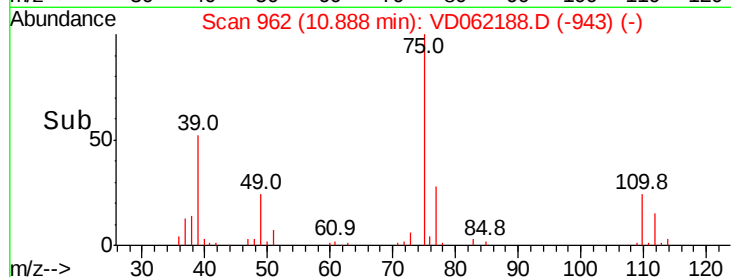
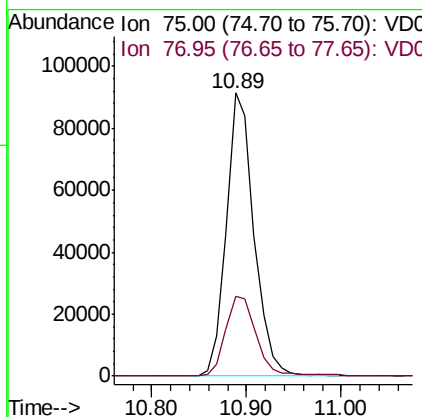
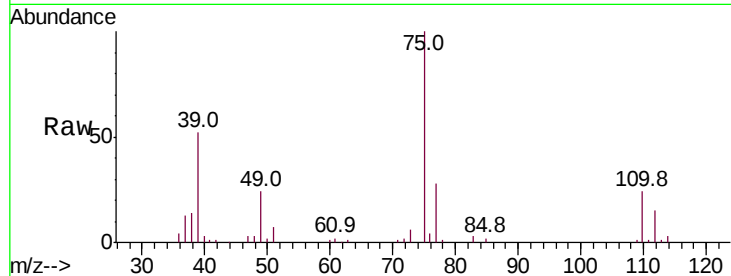




#53
 t-1,3-Dichloropropene
 Concen: 19.155 ug/l
 RT: 10.89 min Scan# 962
 Delta R.T. -0.01 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

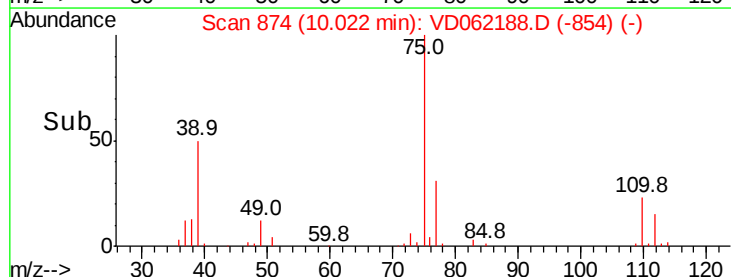
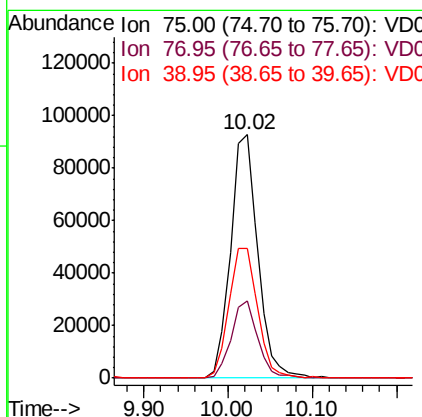
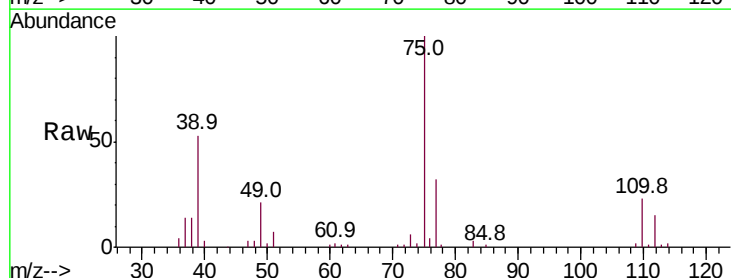
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBS01

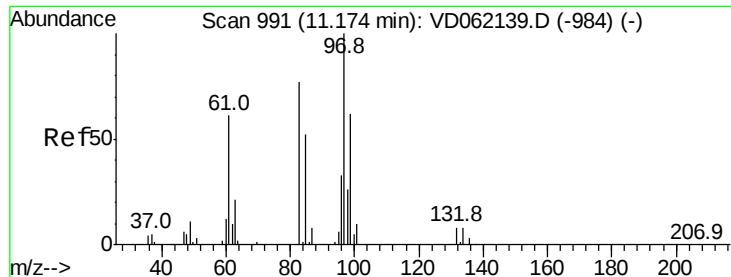
Tot Ion: 75 Resp: 184133
 Ion Ratio Lower Upper
 75 100
 77 28.3 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 19.830 ug/l
 RT: 10.02 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

Tgt Ion: 75 Resp: 207959
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.5 38.3
 39 53.3 39.4 59.2

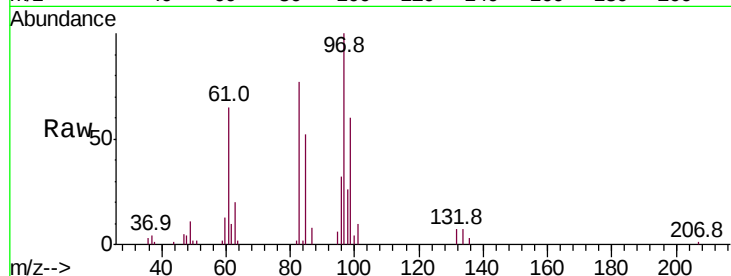




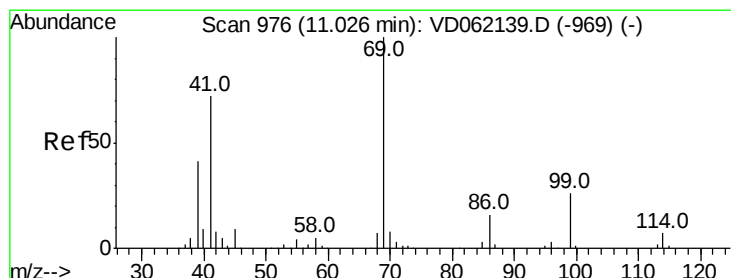
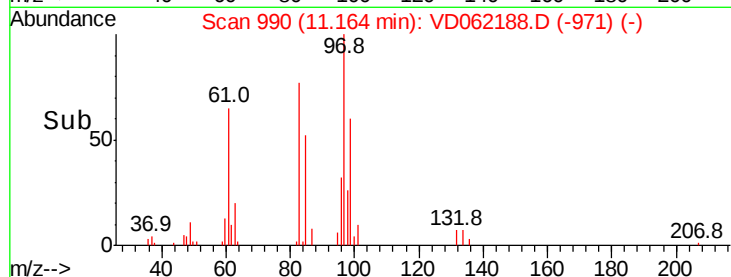
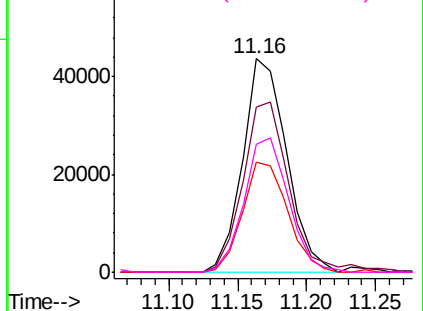
#55
 1,1,2-Trichloroethane
 Concen: 18.686 ug/l
 RT: 11.16 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBS01

Tot Ion:	97	Resp:	97248
Ion	Ratio	Lower	Upper
97	100		
83	77.1	65.7	98.5
85	51.8	45.6	68.4
99	59.9	48.4	72.6

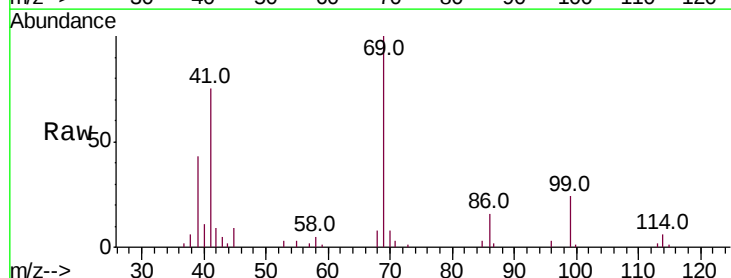


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

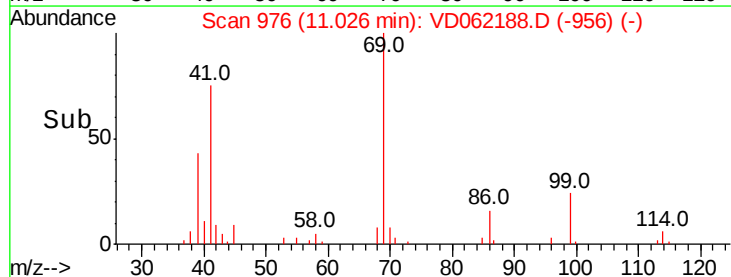
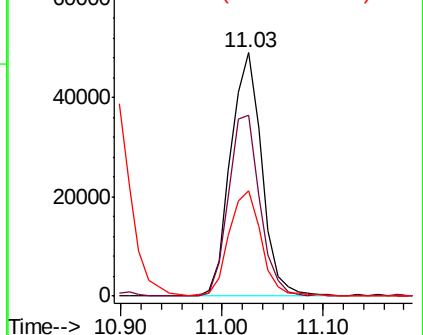


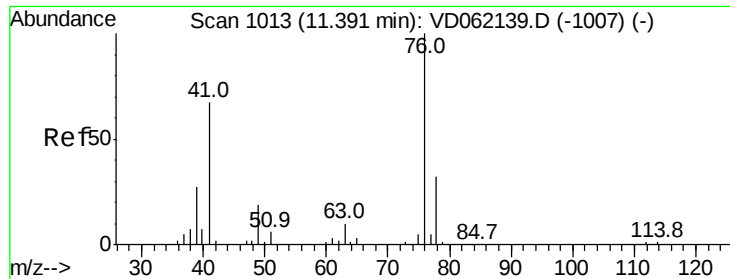
#56
 Ethyl methacrylate
 Concen: 19.461 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

Tgt Ion:	69	Resp:	105244
Ion	Ratio	Lower	Upper
69	100		
41	74.5	56.3	84.5
39	43.5	29.4	44.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

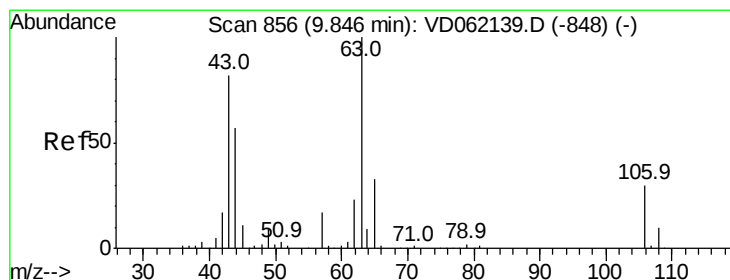
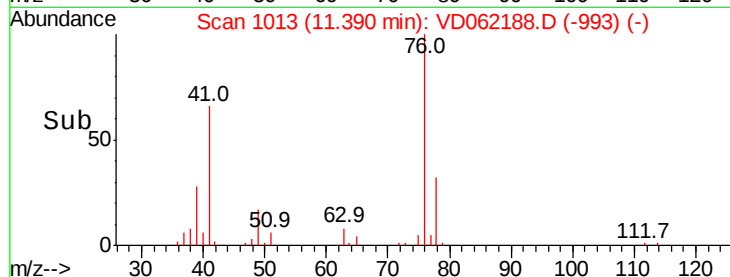
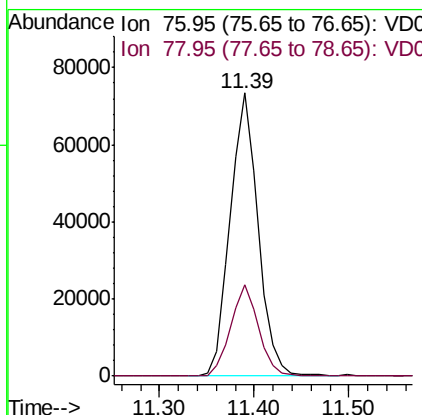
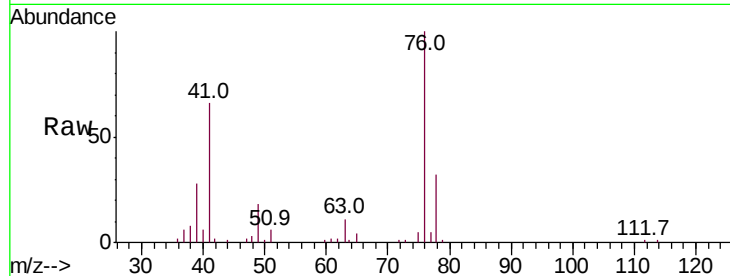




#57
 1,3-Dichloropropane
 Concen: 19.097 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

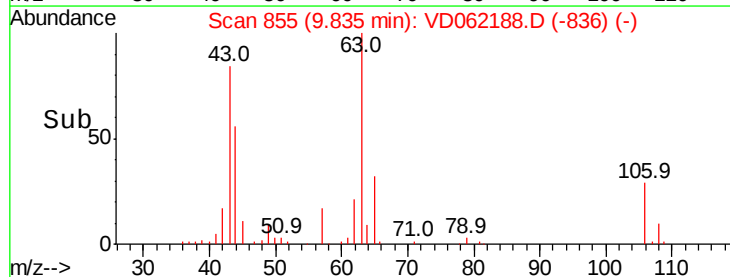
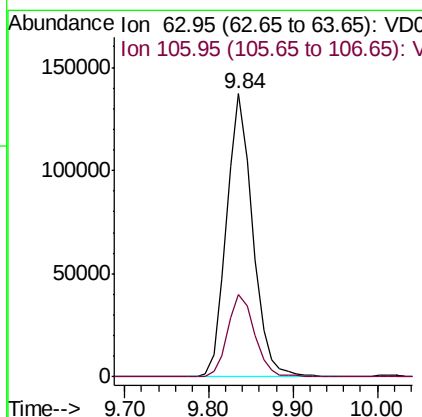
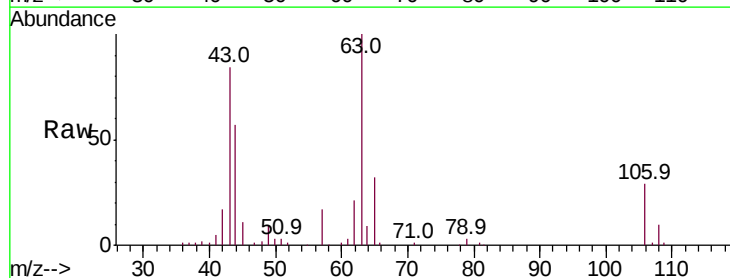
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBS01

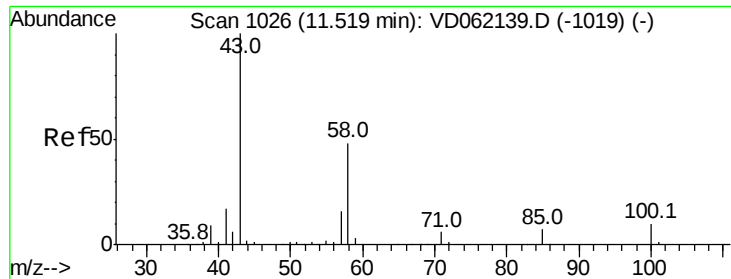
Tot Ion: 76 Resp: 150145
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.197 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

Tgt Ion: 63 Resp: 295986
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.6 34.0

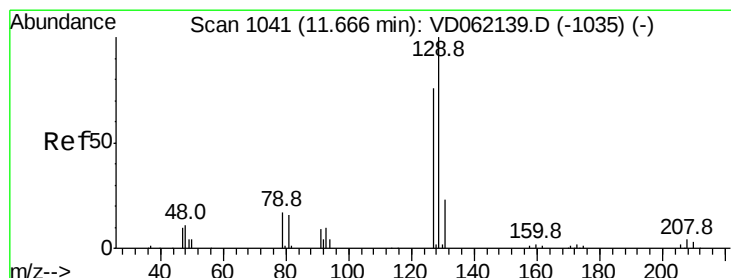
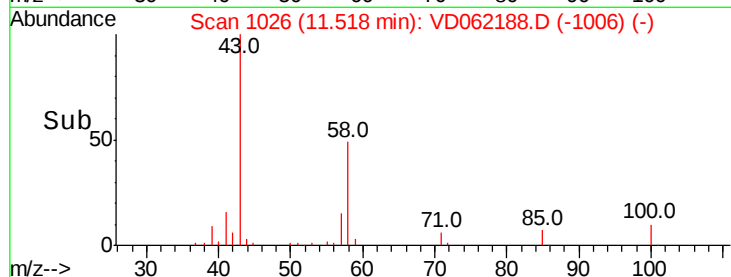
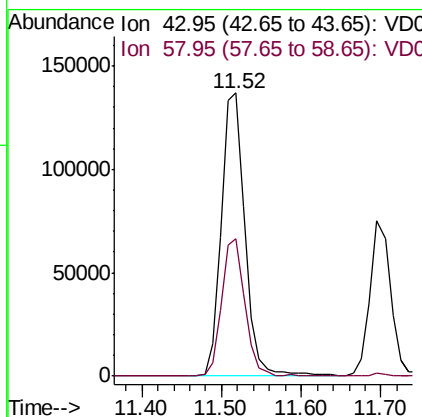
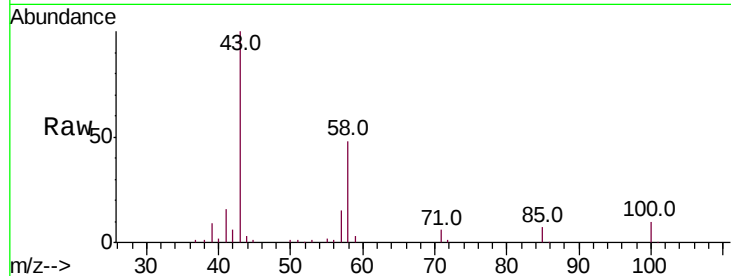




#59
2-Hexanone
Concen: 100.955 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

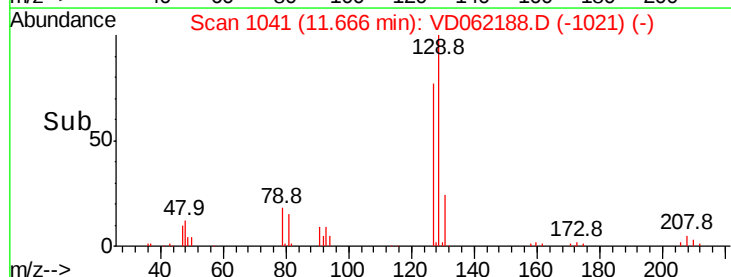
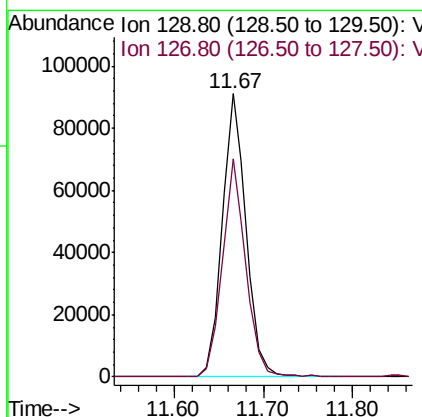
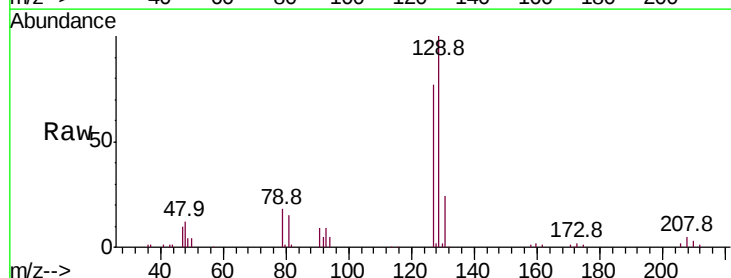
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

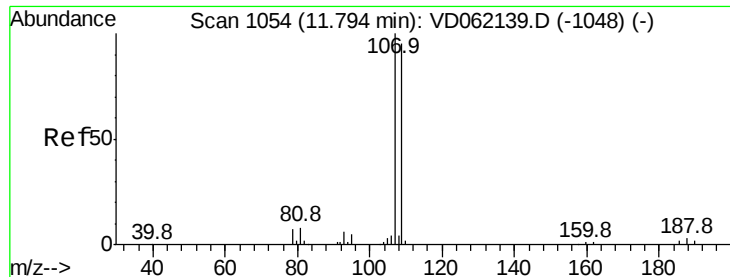
Tot Ion: 43 Resp: 287992
Ion Ratio Lower Upper
43 100
58 48.5 25.4 76.4



#60
Dibromochloromethane
Concen: 19.062 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Tgt Ion: 129 Resp: 171448
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9

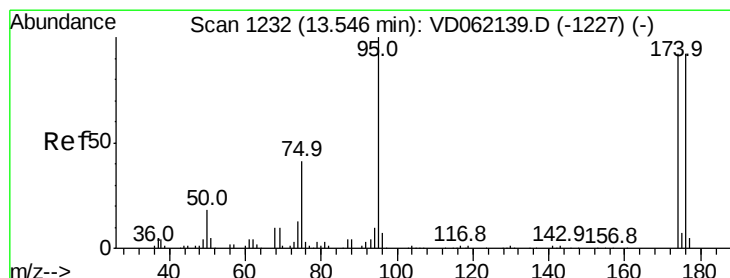
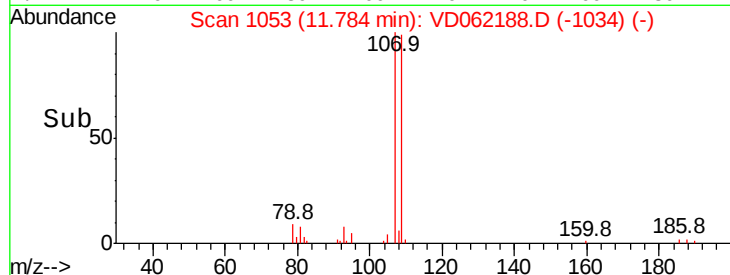
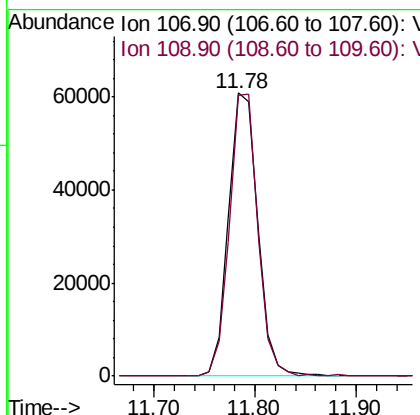
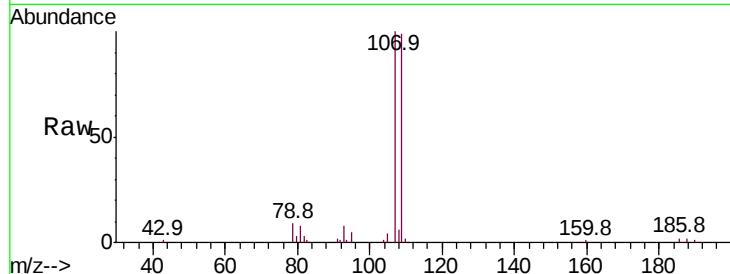




#61
 1,2-Dibromoethane
 Concen: 19.301 ug/l
 RT: 11.78 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

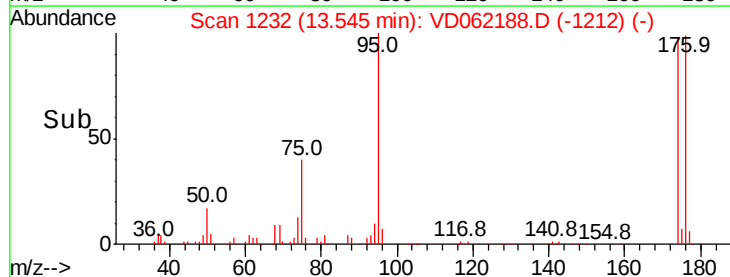
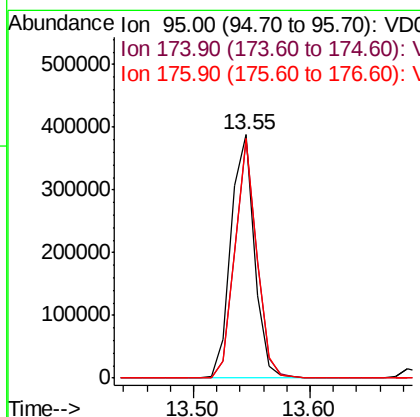
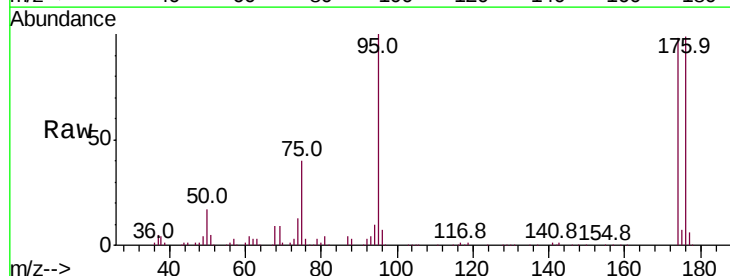
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBS01

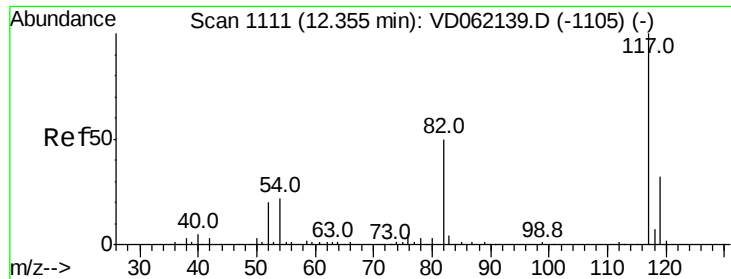
Tot Ion:107 Resp: 122121
 Ion Ratio Lower Upper
 107 100
 109 99.0 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 55.304 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

Tgt Ion: 95 Resp: 542459
 Ion Ratio Lower Upper
 95 100
 174 98.1 0.0 181.8
 176 98.7 0.0 174.4

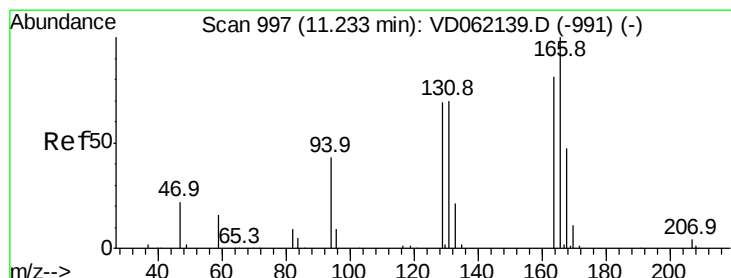
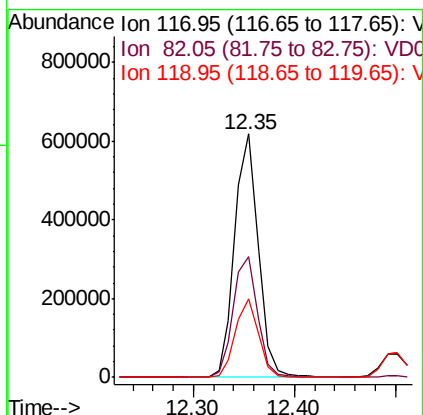
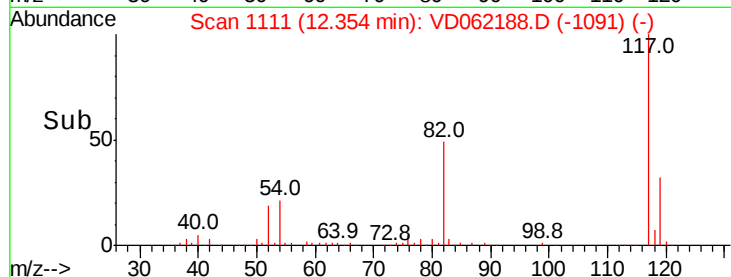
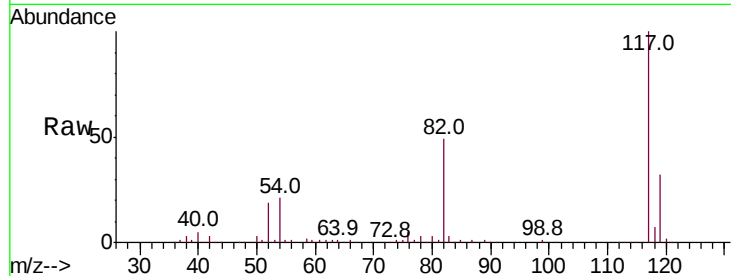




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

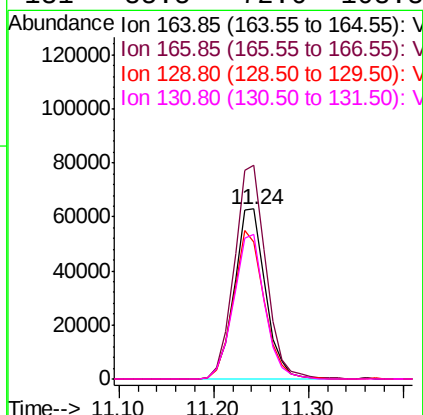
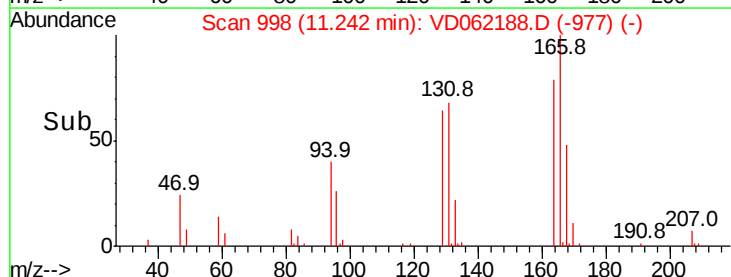
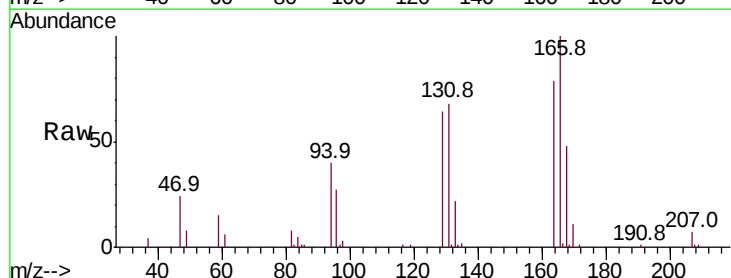
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

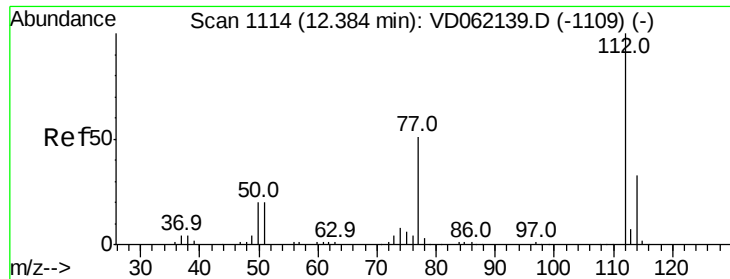
Tot Ion:117 Resp: 1005484
Ion Ratio Lower Upper
117 100
82 49.4 36.2 54.2
119 32.4 26.2 39.4



#64
Tetrachloroethene
Concen: 18.104 ug/l
RT: 11.24 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Tgt Ion:164 Resp: 142346
Ion Ratio Lower Upper
164 100
166 125.9 101.5 152.3
129 80.9 74.6 112.0
131 85.5 72.6 108.8

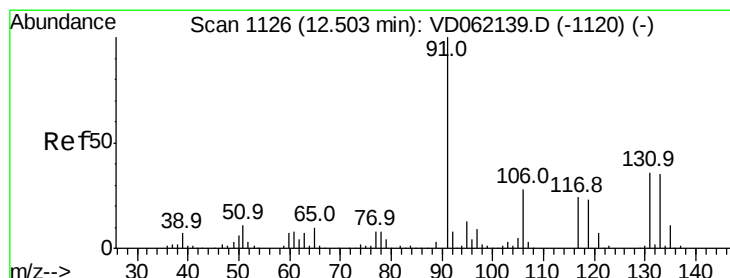
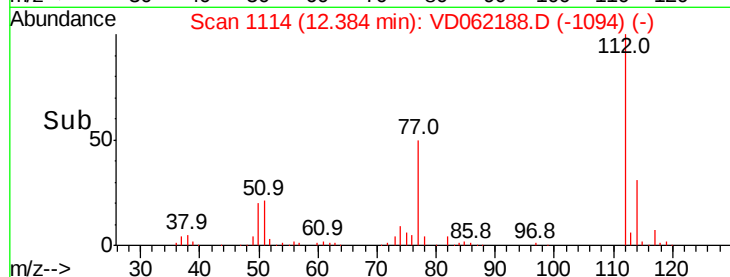
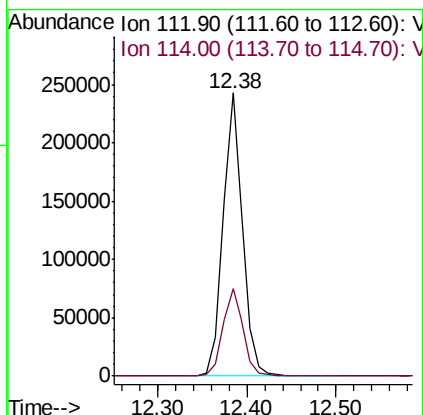
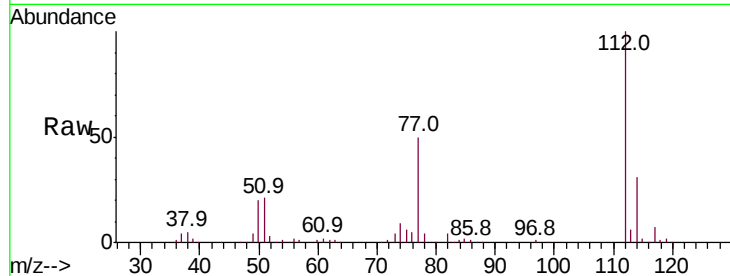




#65
Chlorobenzene
Concen: 20.041 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

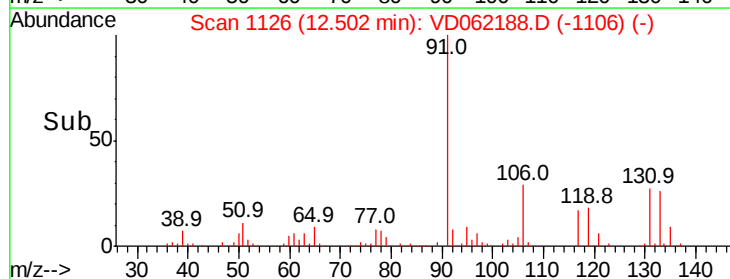
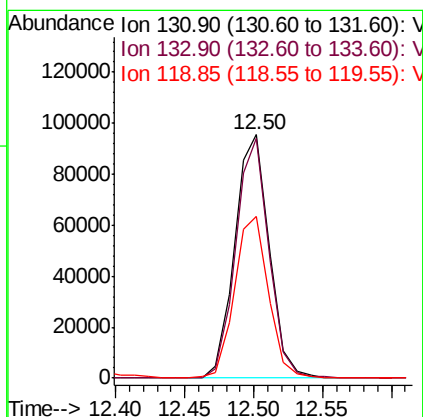
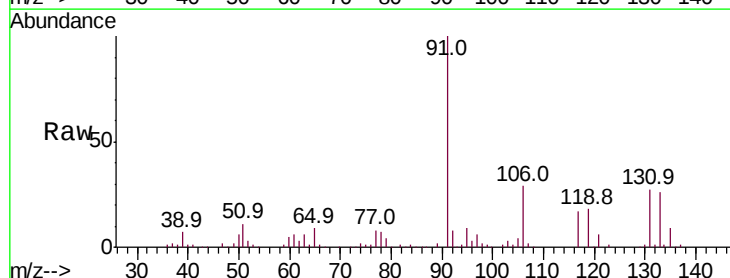
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

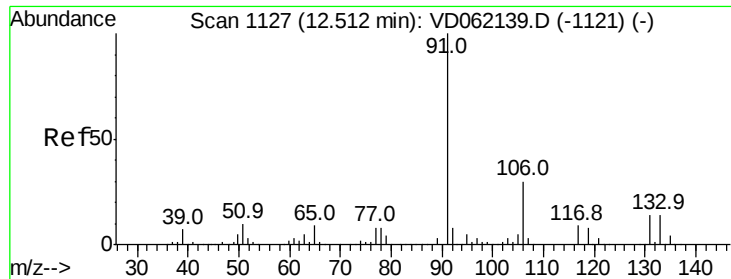
Tot Ion:112 Resp: 375313
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.384 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Tgt Ion:131 Resp: 166141
Ion Ratio Lower Upper
131 100
133 98.4 48.6 145.8
119 66.6 34.7 104.1

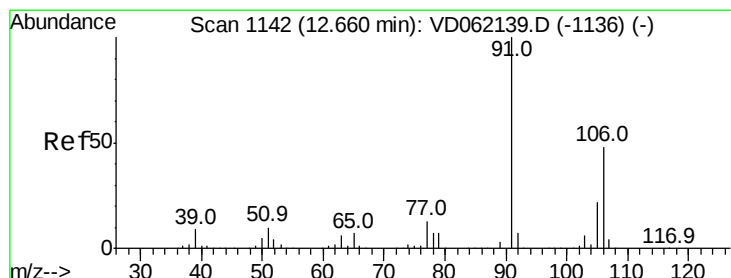
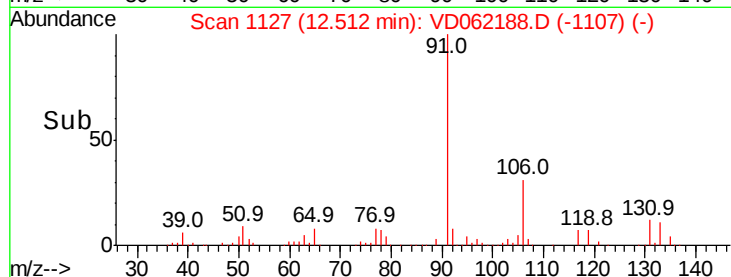
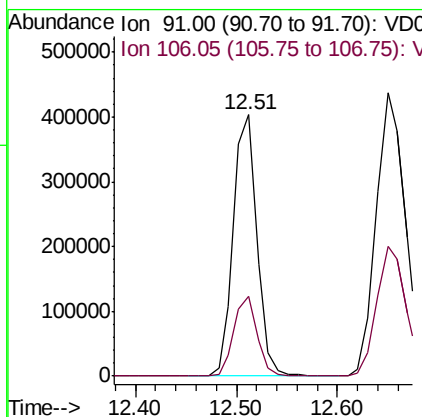
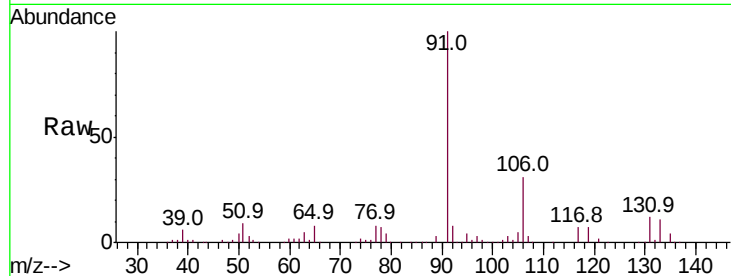




#67
Ethyl Benzene
Concen: 20.873 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

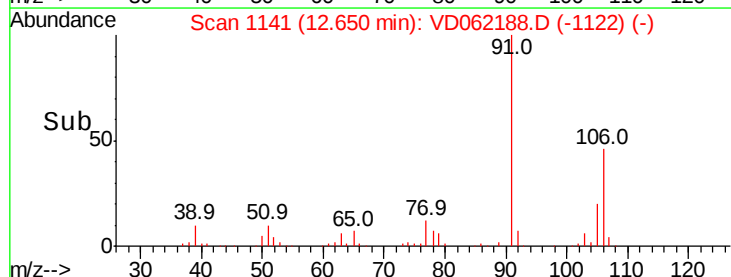
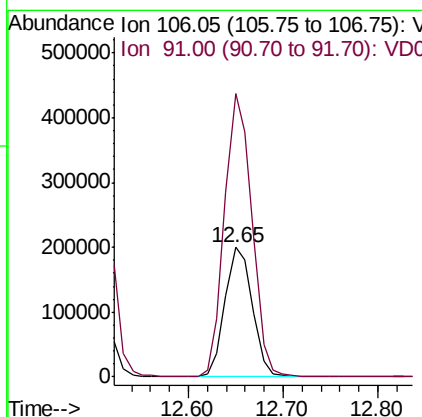
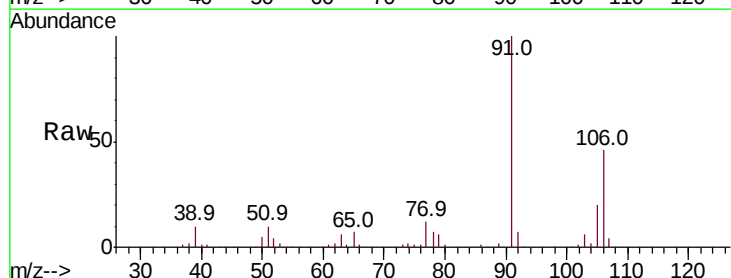
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

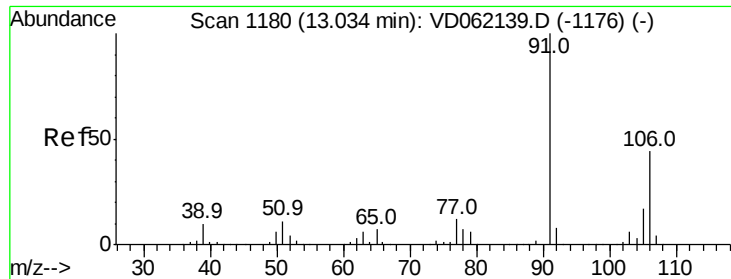
Tot Ion: 91 Resp: 654409
Ion Ratio Lower Upper
91 100
106 30.7 24.7 37.1



#68
m/p-Xylenes
Concen: 35.179 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Tgt Ion: 106 Resp: 401280
Ion Ratio Lower Upper
106 100
91 218.6 164.0 246.0

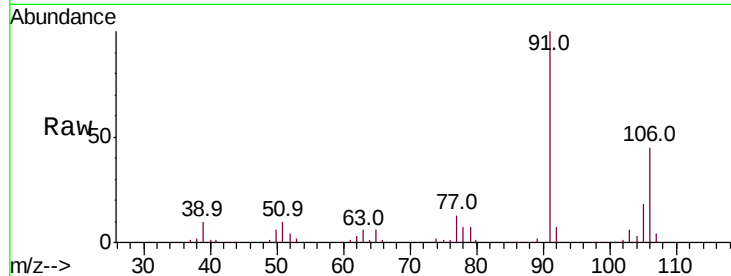




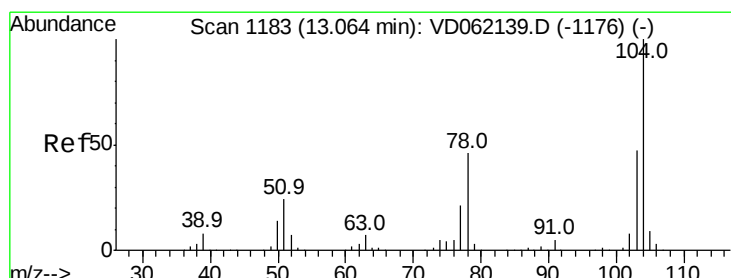
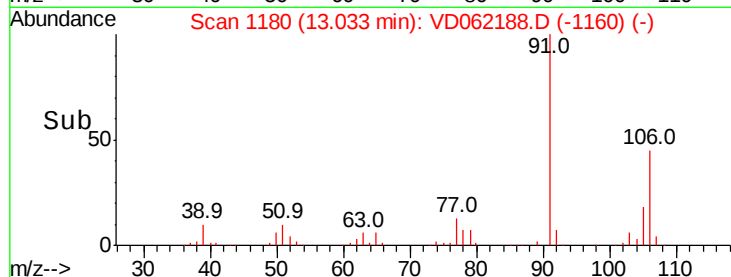
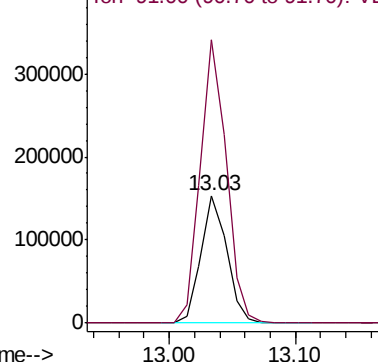
#69
o-Xylene
Concen: 20.526 ug/l
RT: 13.03 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

Tot Ion:106 Resp: 217677
Ion Ratio Lower Upper
106 100
91 221.4 106.7 319.9

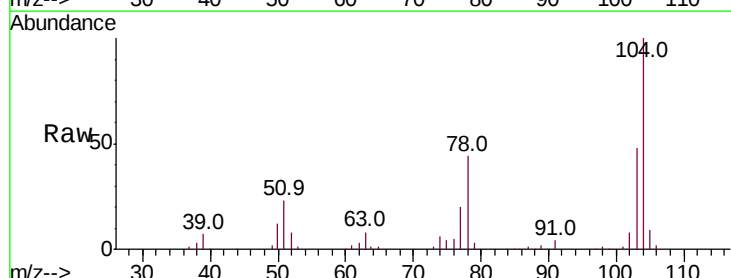


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

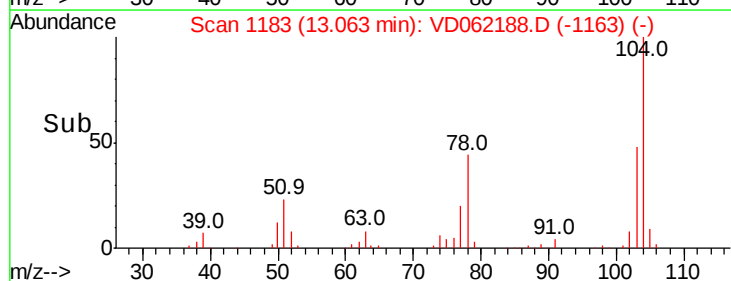
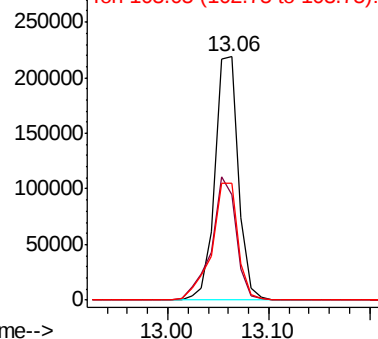


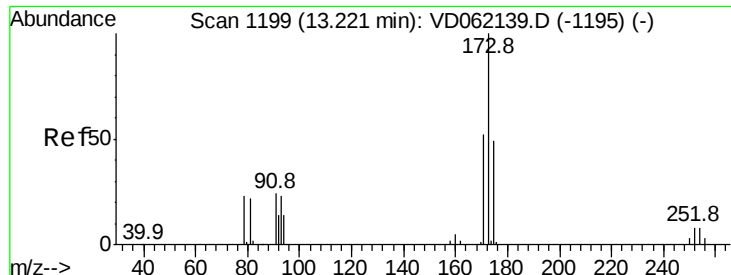
#70
Styrene
Concen: 19.781 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Tgt Ion:104 Resp: 355352
Ion Ratio Lower Upper
104 100
78 43.5 35.4 53.2
103 48.2 37.5 56.3



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

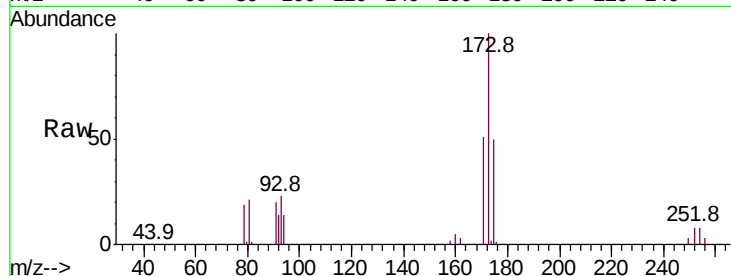




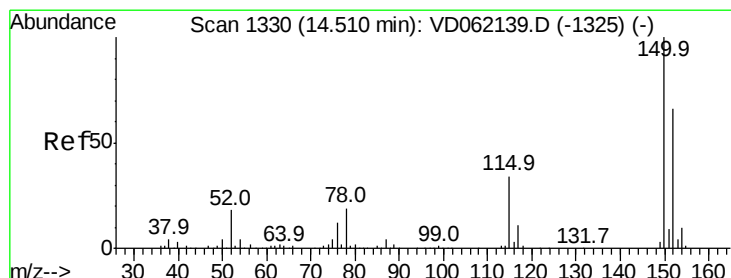
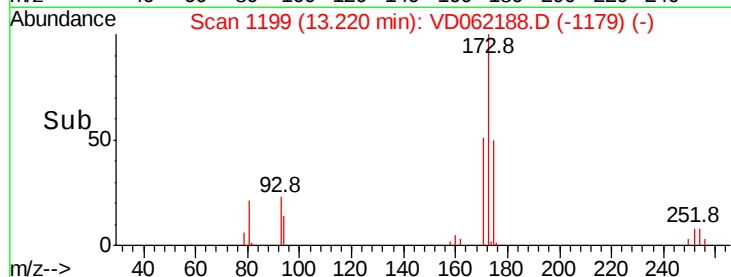
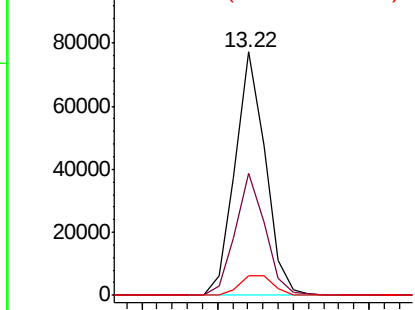
#71
Bromoform
Concen: 18.955 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

Tot Ion:173 Resp: 107484
Ion Ratio Lower Upper
173 100
175 50.0 24.4 73.4
254 8.2 5.4 8.2#

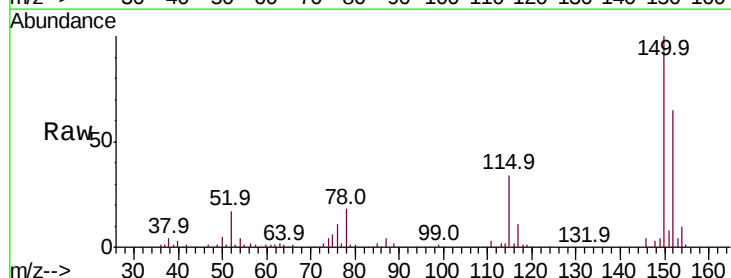


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

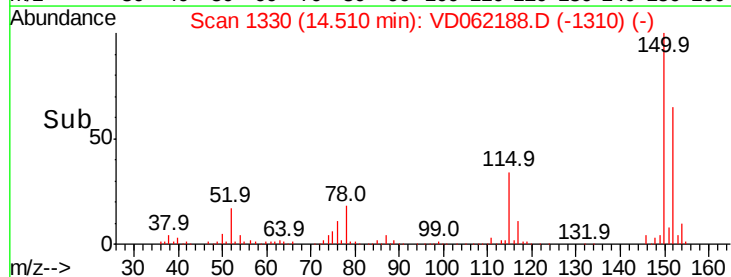
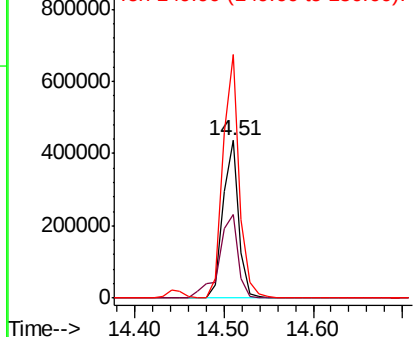


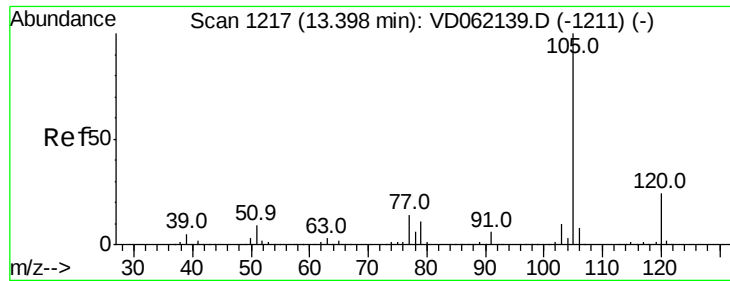
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Tgt Ion:152 Resp: 541862
Ion Ratio Lower Upper
152 100
115 52.8 30.9 92.7
150 154.6 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.728 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

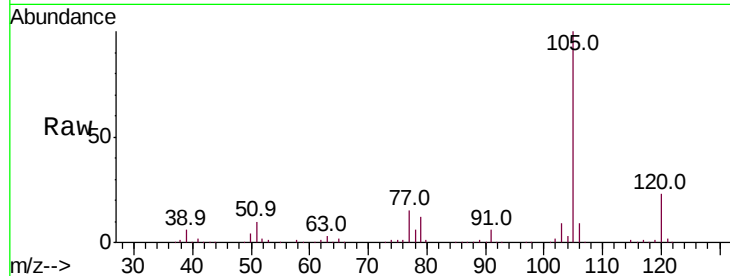
VD0509SBS01

Tot Ion:105 Resp: 640783

Ion Ratio Lower Upper

105 100

120 22.5 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

500000

400000

300000

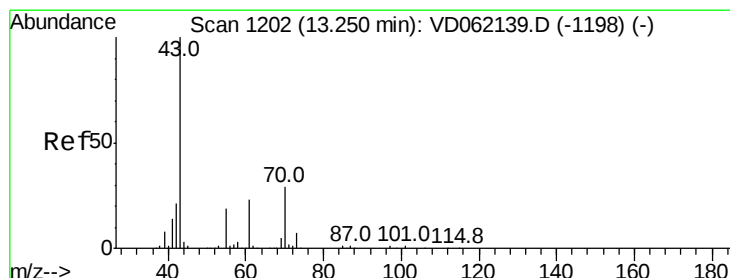
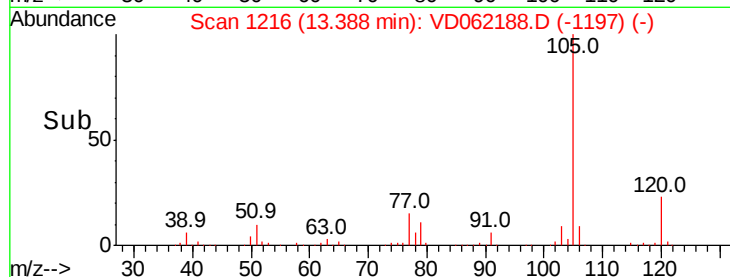
200000

100000

0

Time-->

13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 19.149 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Tgt Ion: 43 Resp: 163070

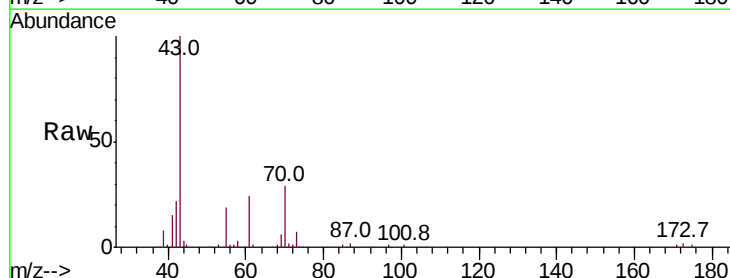
Ion Ratio Lower Upper

43 100

70 29.0 24.2 36.4

55 18.9 16.0 24.0

61 24.2 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.25

150000

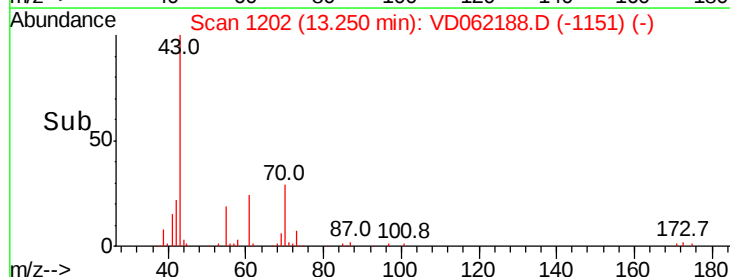
100000

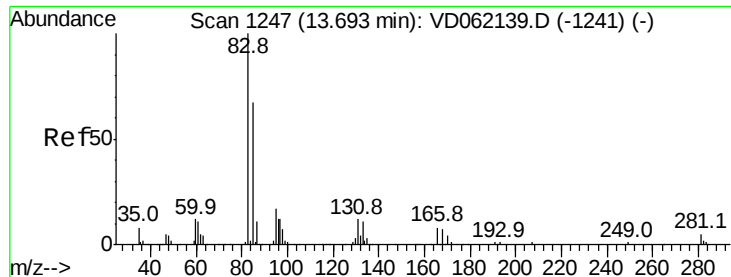
50000

0

Time-->

13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 18.077 ug/l

RT: 13.68 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBS01

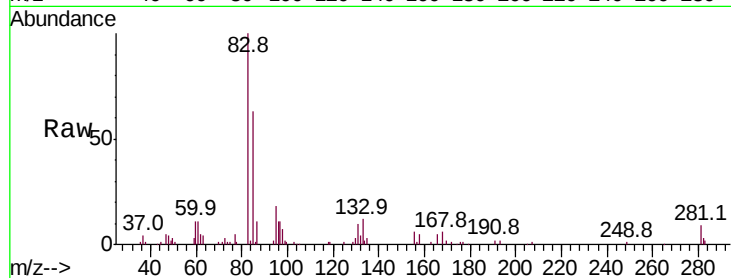
Tot Ion: 83 Resp: 111154

Ion Ratio Lower Upper

83 100

131 10.2 5.0 14.9

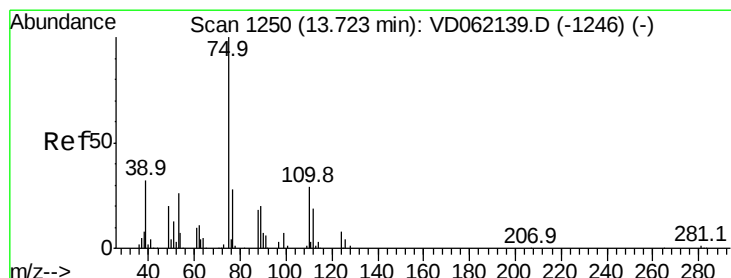
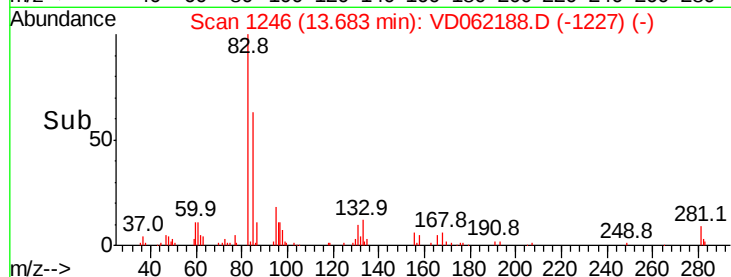
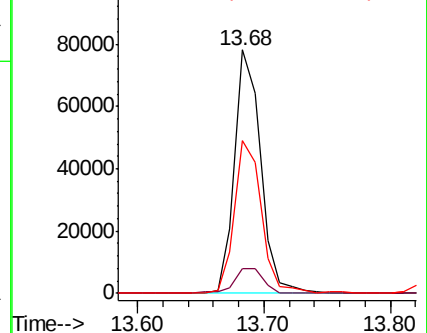
85 62.9 32.6 97.7



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: 17.359 ug/l

RT: 13.72 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062188.D

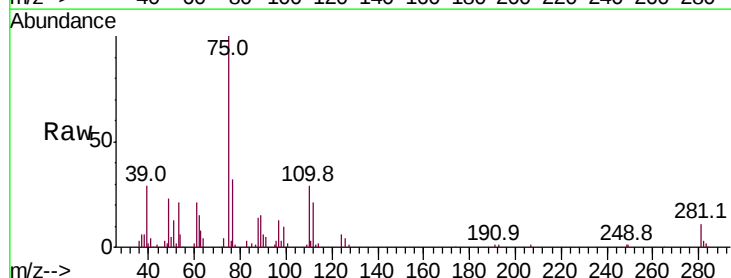
Acq: 9 May 2019 15:12

Tgt Ion: 75 Resp: 111785

Ion Ratio Lower Upper

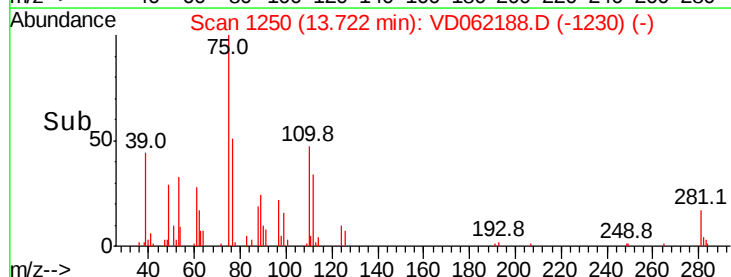
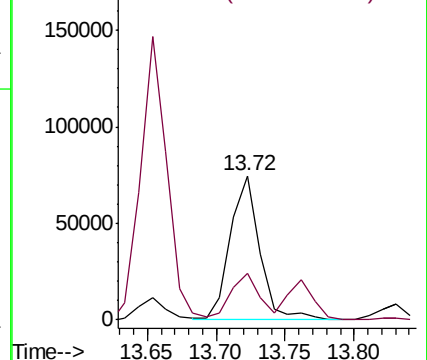
75 100

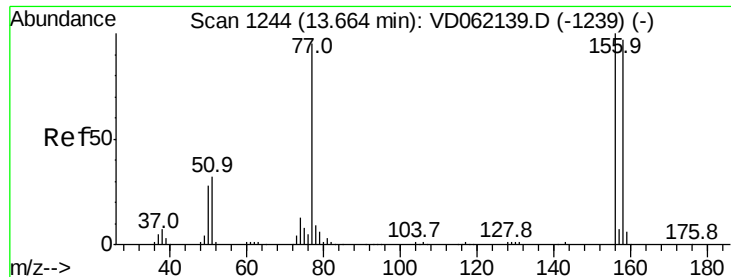
77 32.1 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.102 ug/l

RT: 13.65 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBS01

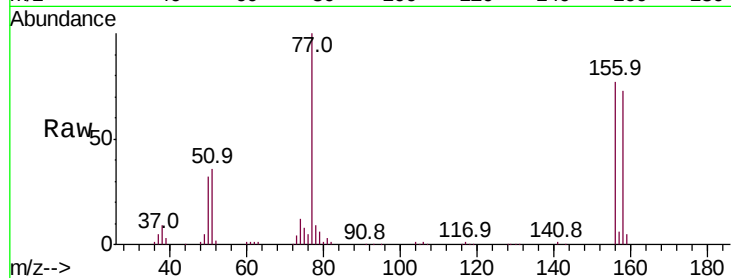
Tot Ion:156 Resp: 164590

Ion Ratio Lower Upper

156 100

77 129.4 53.1 159.4

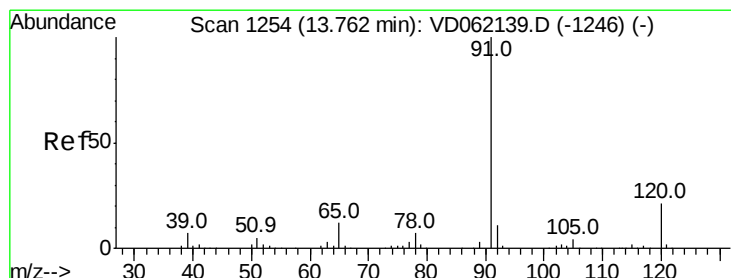
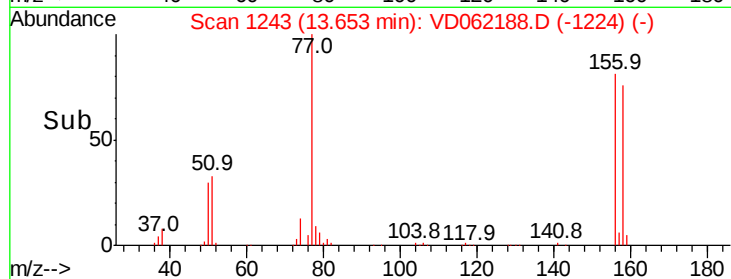
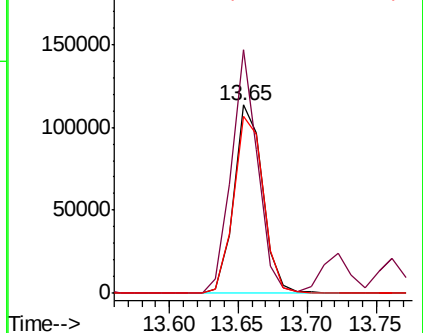
158 94.3 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.951 ug/l

RT: 13.76 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD062188.D

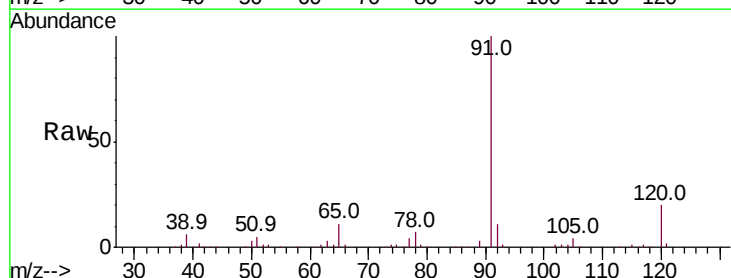
Acq: 9 May 2019 15:12

Tgt Ion: 91 Resp: 734286

Ion Ratio Lower Upper

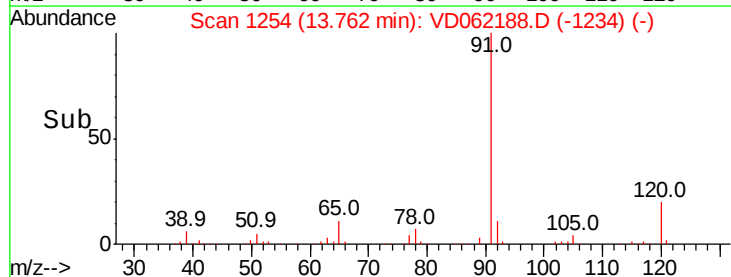
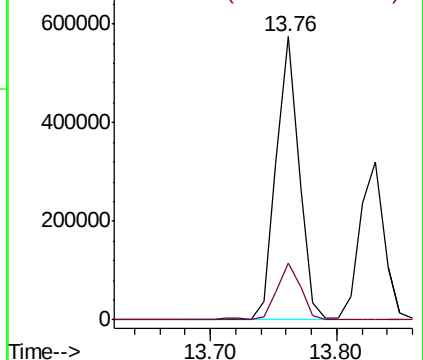
91 100

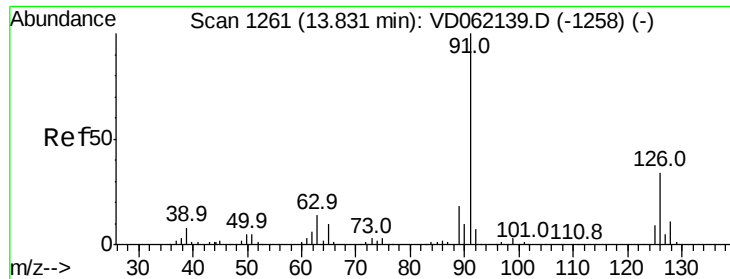
120 20.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

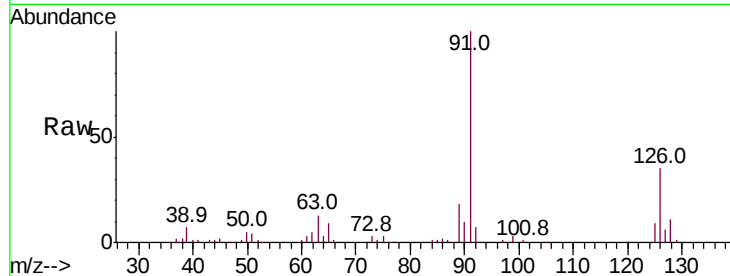




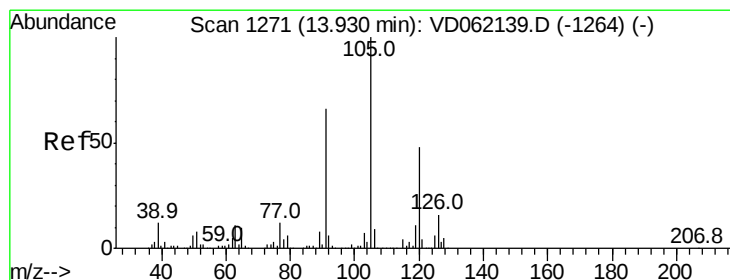
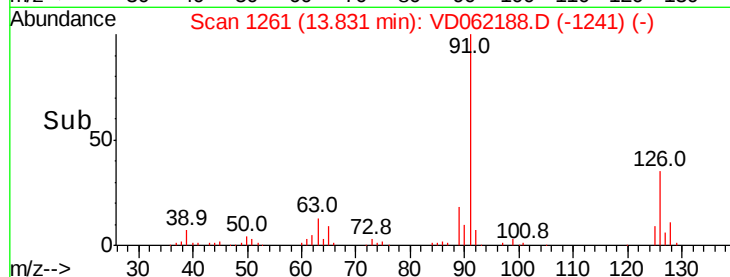
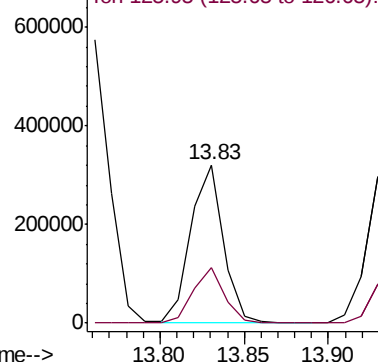
#79
2-Chlorotoluene
Concen: 19.413 ug/l
RT: 13.83 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

Tot Ion: 91 Resp: 430785
Ion Ratio Lower Upper
91 100
126 35.2 18.6 55.8

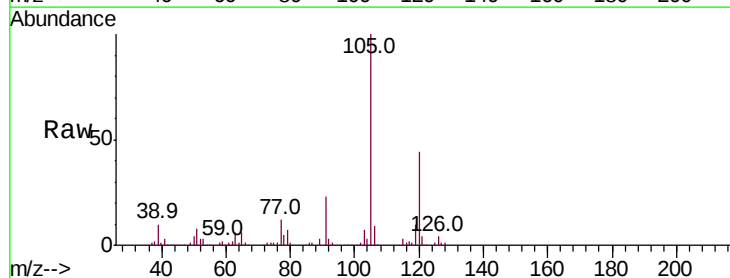


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

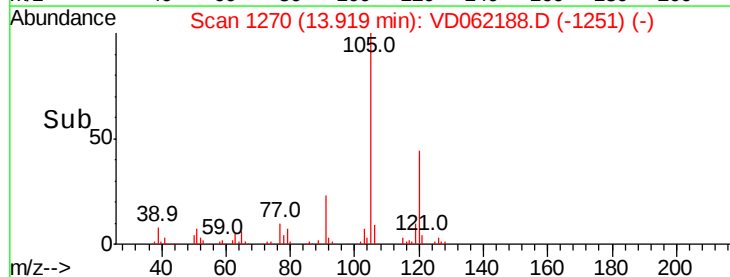
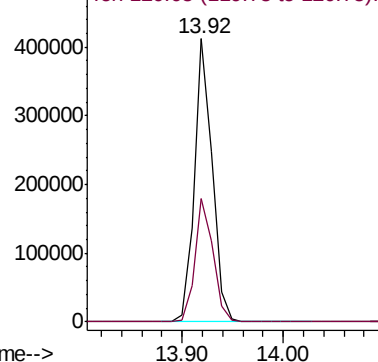


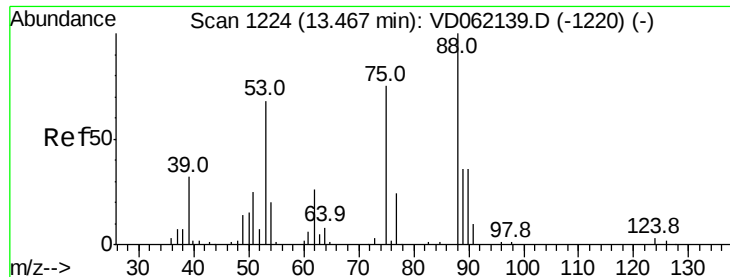
#80
1,3,5-Trimethylbenzene
Concen: 18.588 ug/l
RT: 13.92 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VD062188.D
Acq: 9 May 2019 15:12

Tgt Ion:105 Resp: 508421
Ion Ratio Lower Upper
105 100
120 43.7 24.0 72.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 17.745 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBS01

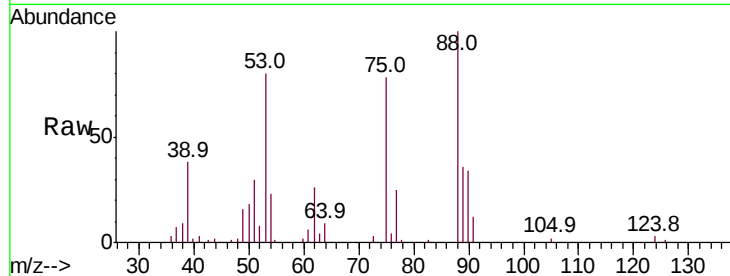
Tot Ion: 75 Resp: 32259

Ion Ratio Lower Upper

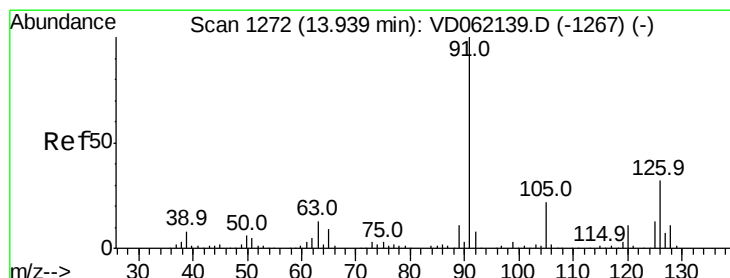
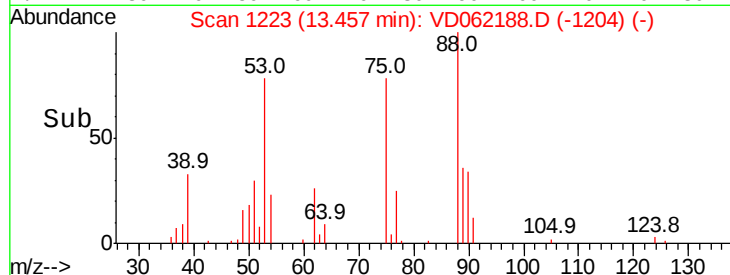
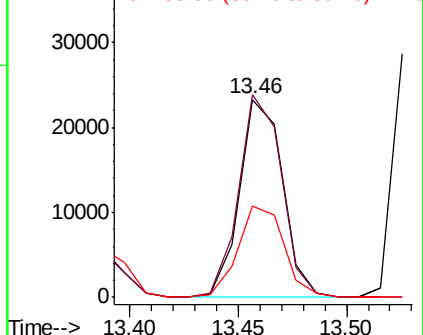
75 100

53 102.4 65.8 98.8#

89 45.8 35.0 52.6



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



#82

4-Chlorotoluene

Concen: 18.554 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062188.D

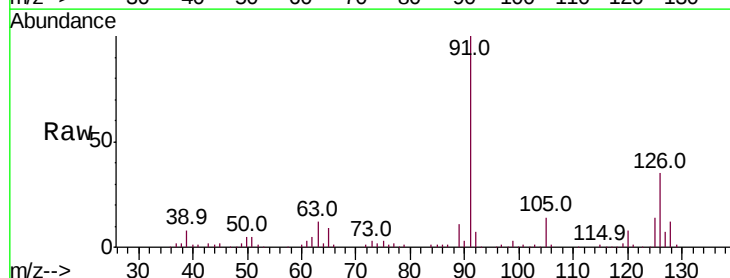
Acq: 9 May 2019 15:12

Tgt Ion: 91 Resp: 484497

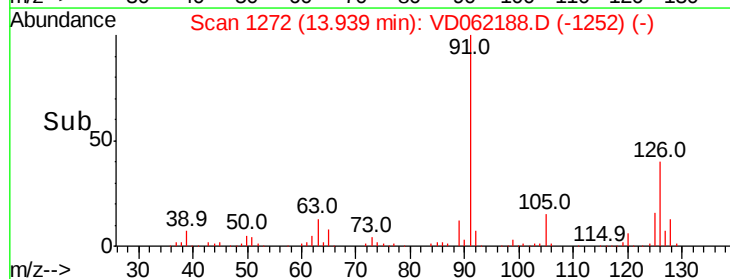
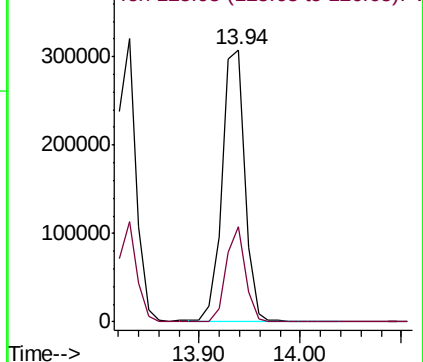
Ion Ratio Lower Upper

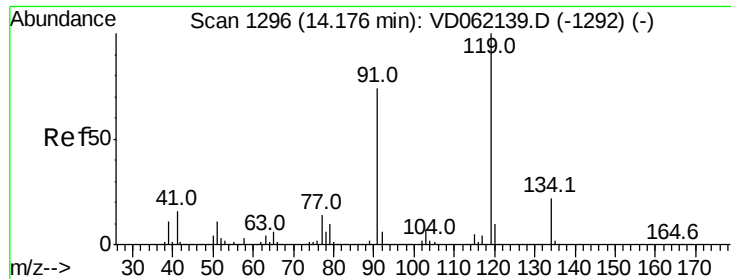
91 100

126 34.8 19.1 57.5



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

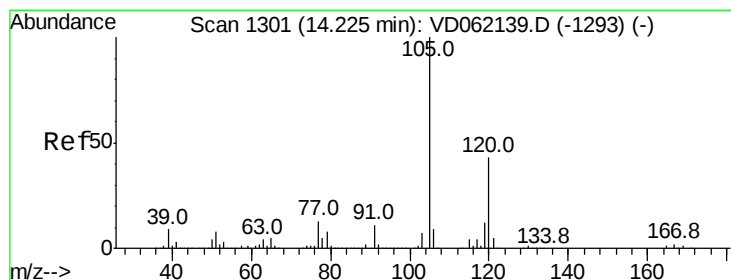
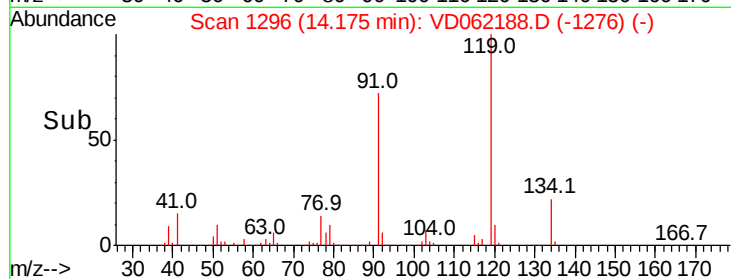
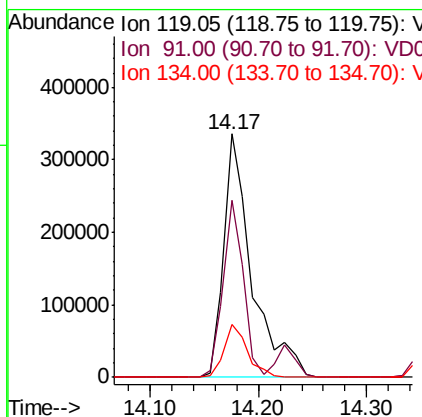
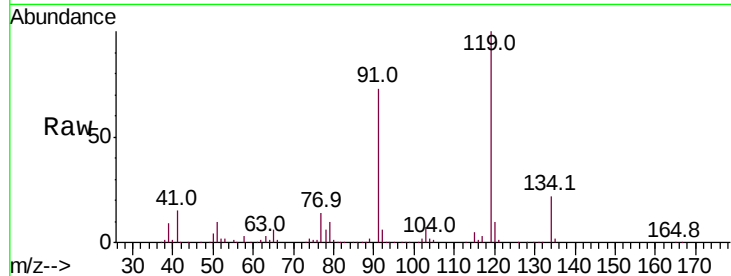




#83
 tert-Butylbenzene
 Concen: 19.741 ug/l
 RT: 14.17 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

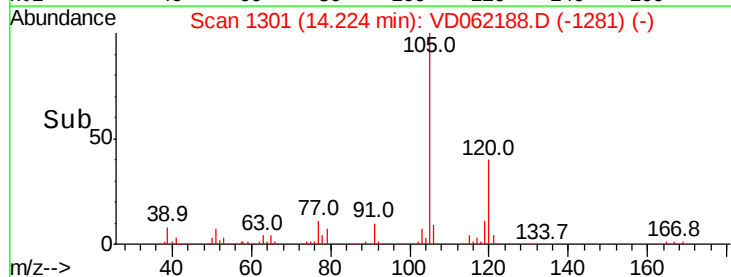
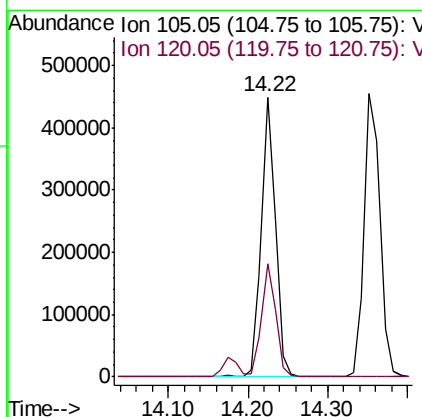
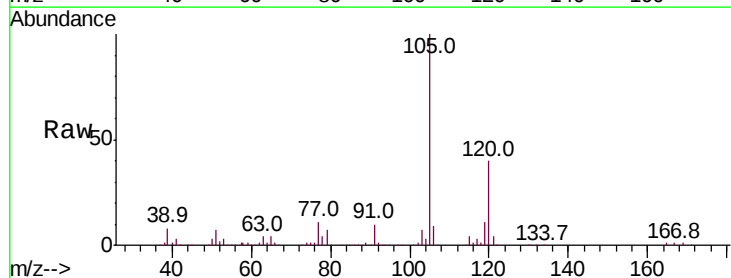
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBS01

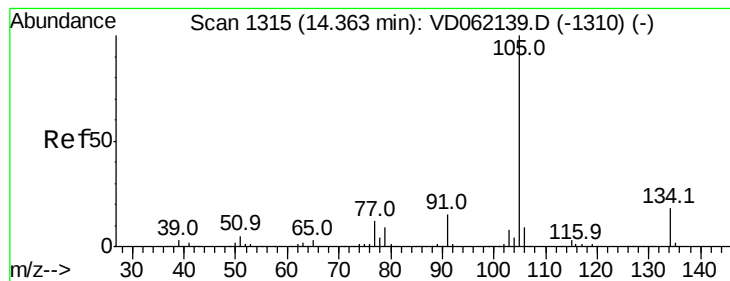
Tot Ion:119 Resp: 606903
 Ion Ratio Lower Upper
 119 100
 91 72.7 34.2 102.6
 134 21.5 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.865 ug/l
 RT: 14.22 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

Tgt Ion:105 Resp: 545251
 Ion Ratio Lower Upper
 105 100
 120 40.2 23.1 69.2





#85

sec-Butylbenzene

Concen: 18.587 ug/l

RT: 14.35 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleID :

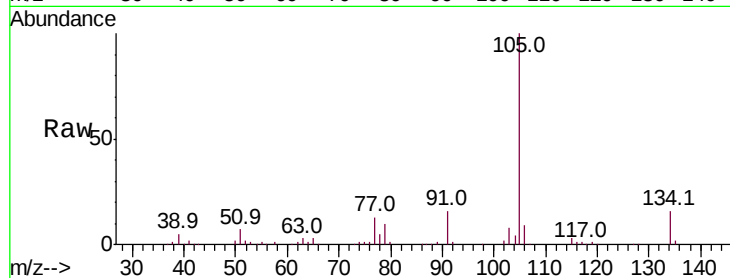
VD0509SBS01

Tot Ion:105 Resp: 626515

Ion Ratio Lower Upper

105 100

134 16.5 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.35

500000

400000

300000

200000

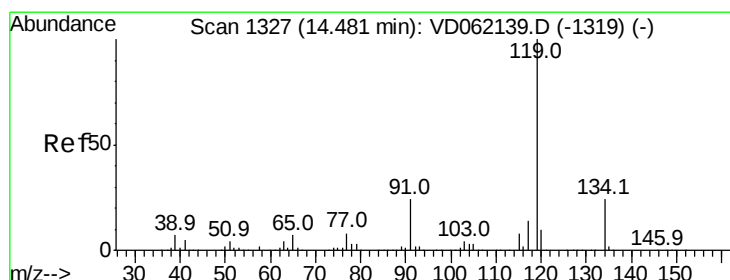
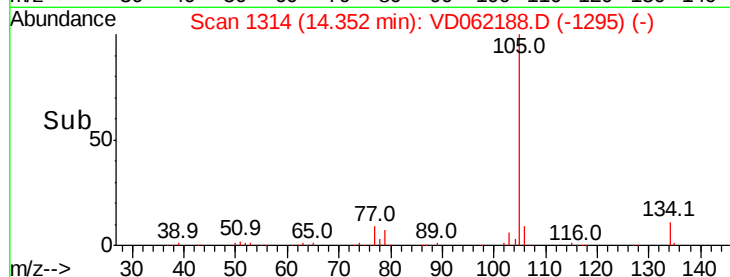
100000

0

14.30

14.40

Time-->



#86

p-Isopropyltoluene

Concen: 19.175 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

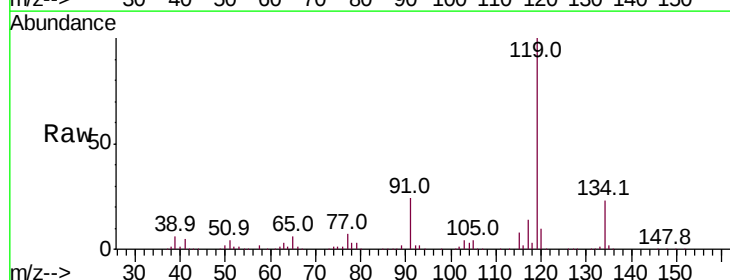
Tgt Ion:119 Resp: 577462

Ion Ratio Lower Upper

119 100

134 22.6 12.8 38.3

91 23.6 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.48

600000

400000

200000

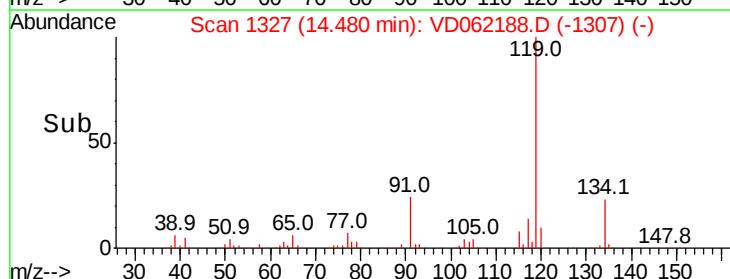
0

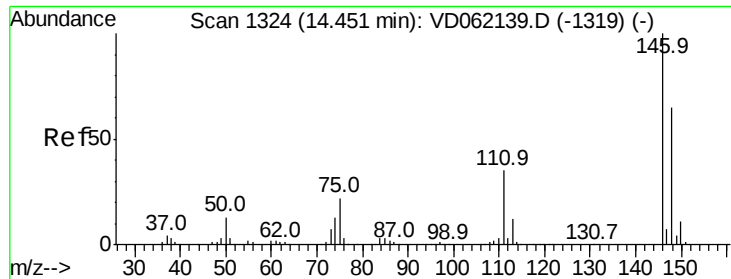
14.40

14.50

14.60

Time-->

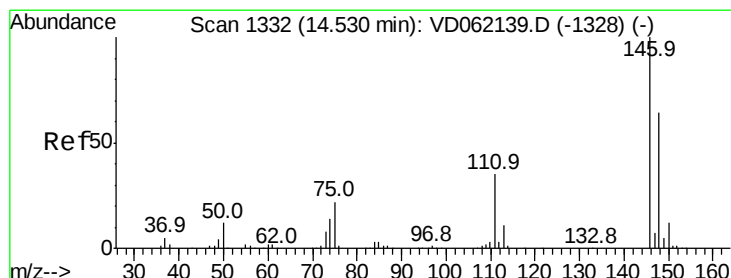
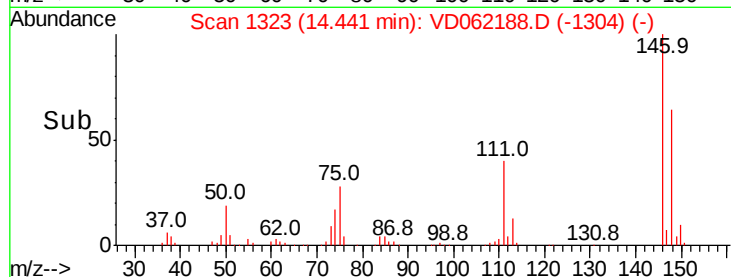
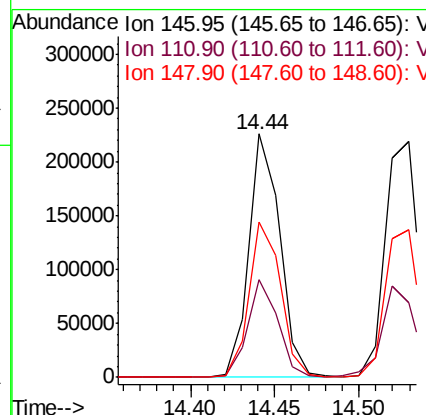
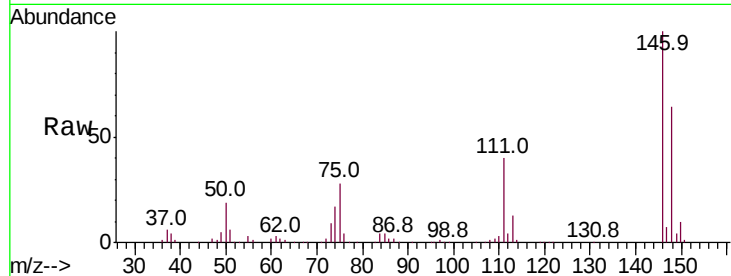




#87
 1,3-Dichlorobenzene
 Concen: 17.487 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

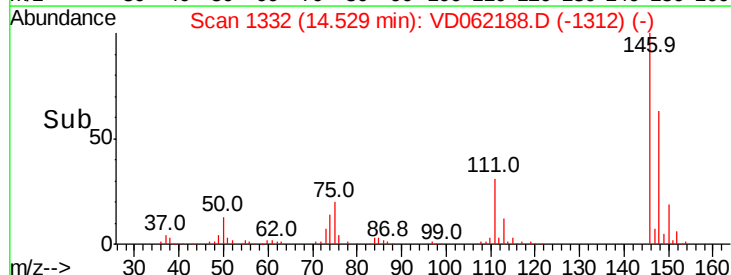
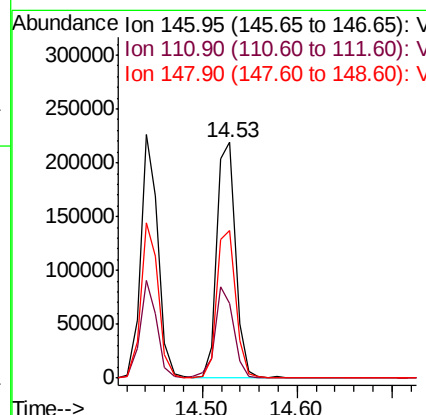
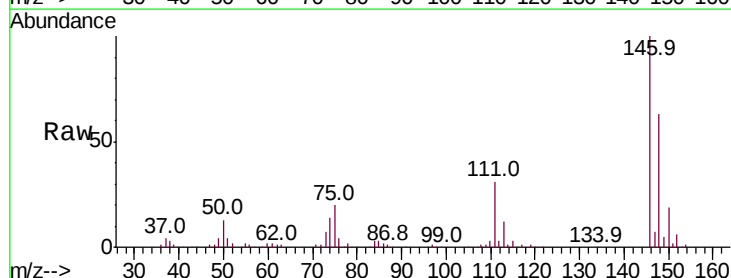
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBS01

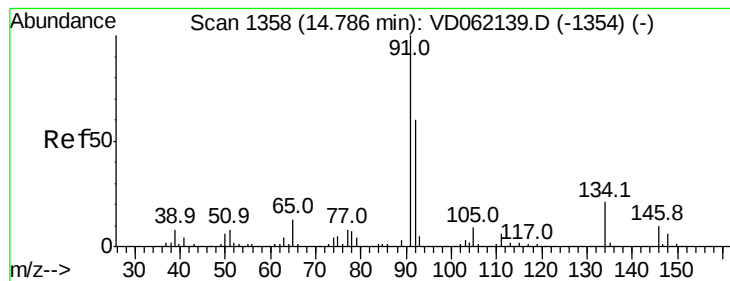
Tot Ion:146 Resp: 290457
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.0 60.0
 148 64.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.652 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

Tgt Ion:146 Resp: 304415
 Ion Ratio Lower Upper
 146 100
 111 31.5 20.2 60.5
 148 62.6 32.0 96.2





#89

n-Butylbenzene

Concen: 18.713 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBS01

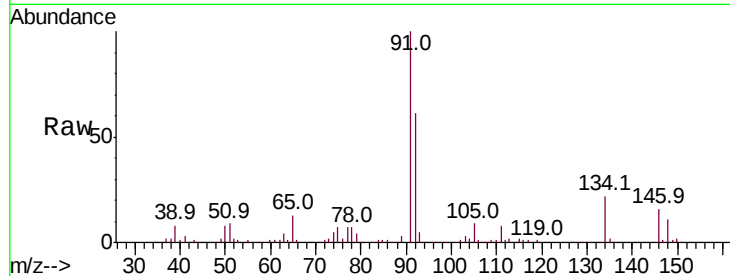
Tot Ion: 91 Resp: 505822

Ion Ratio Lower Upper

91 100

92 61.0 30.3 91.0

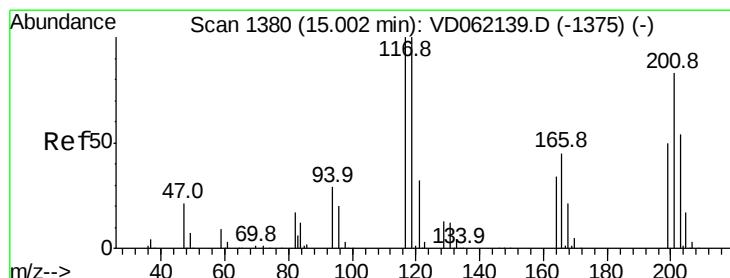
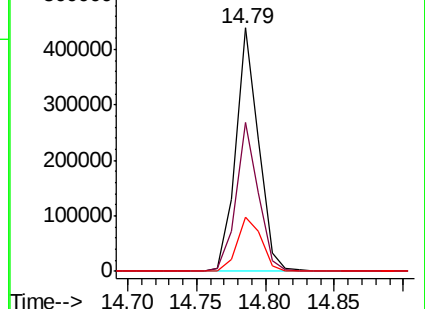
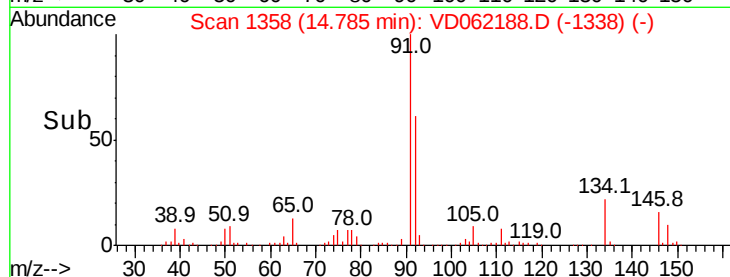
134 22.1 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 17.606 ug/l

RT: 14.99 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062188.D

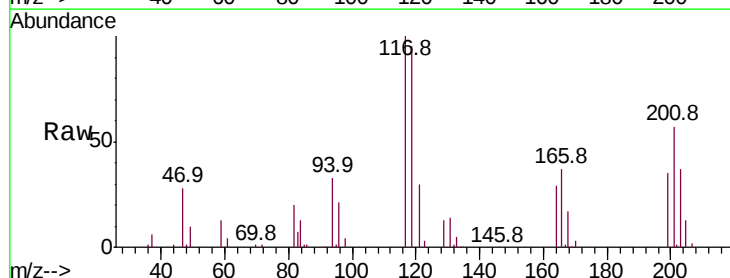
Acq: 9 May 2019 15:12

Tgt Ion: 117 Resp: 144184

Ion Ratio Lower Upper

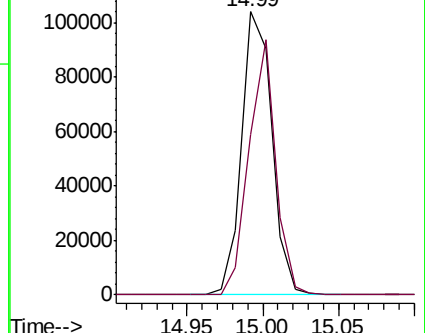
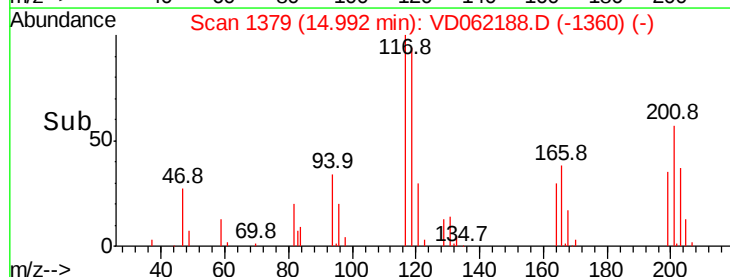
117 100

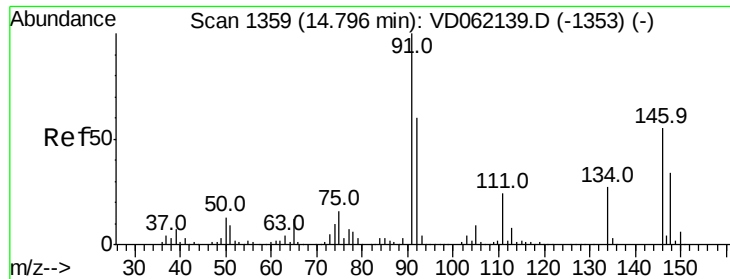
201 56.6 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

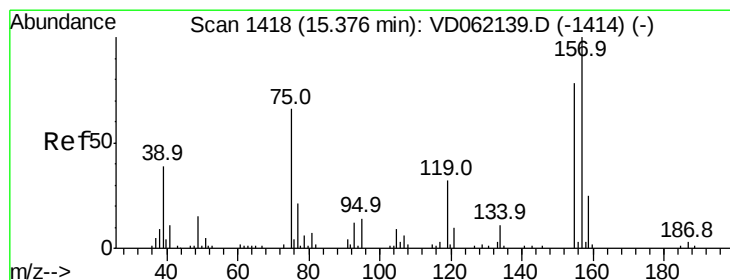
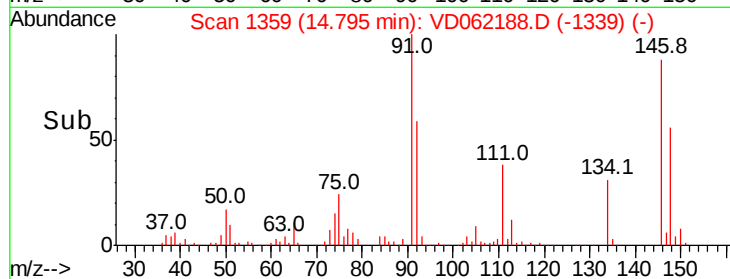
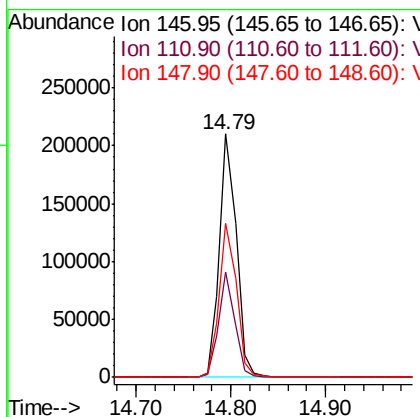
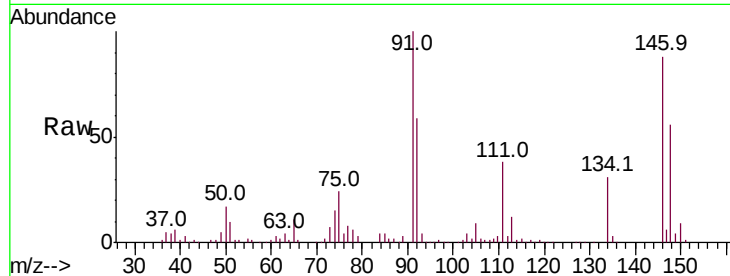




#91
 1,2-Dichlorobenzene
 Concen: 19.223 ug/l
 RT: 14.79 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

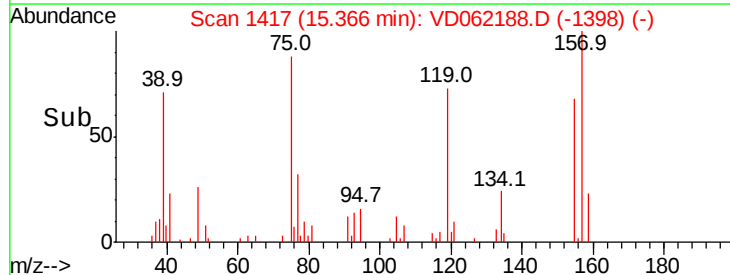
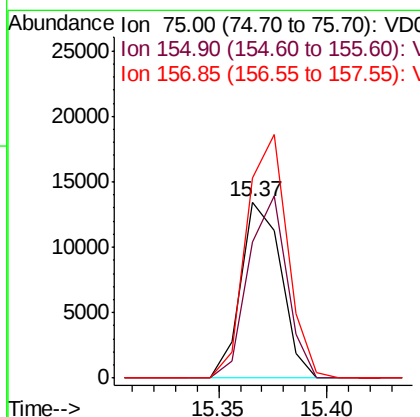
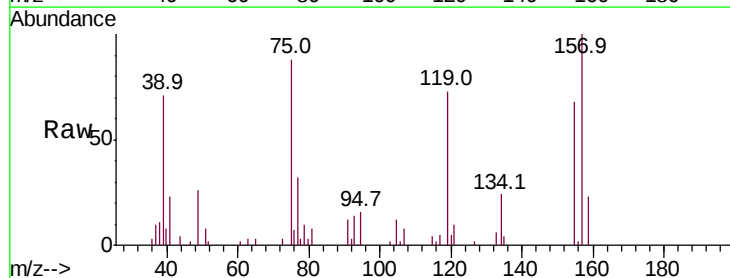
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBS01

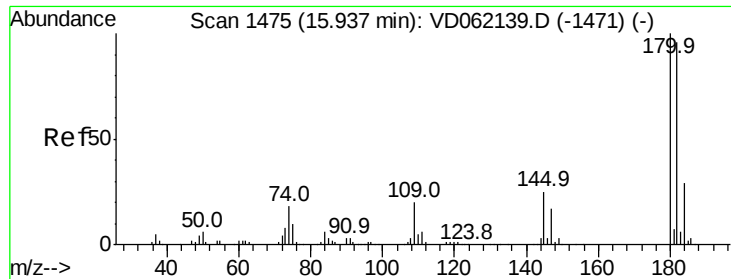
Tot Ion:146 Resp: 262958
 Ion Ratio Lower Upper
 146 100
 111 43.4 20.0 59.9
 148 63.2 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.249 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

Tgt Ion: 75 Resp: 17411
 Ion Ratio Lower Upper
 75 100
 155 77.0 55.3 165.8
 157 113.4 67.8 203.2

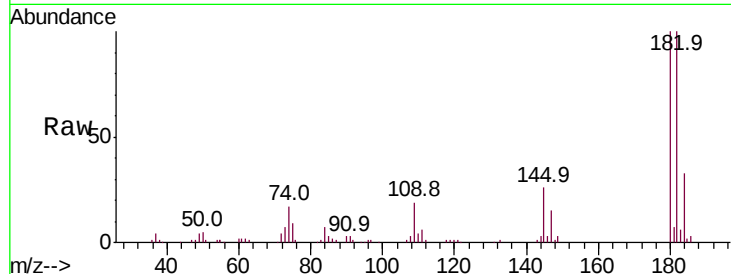




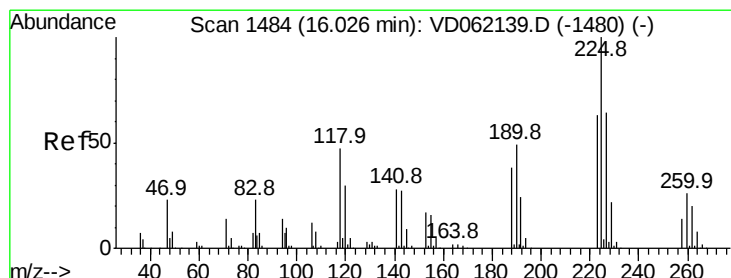
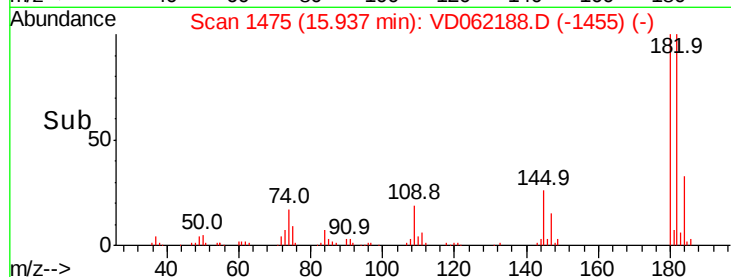
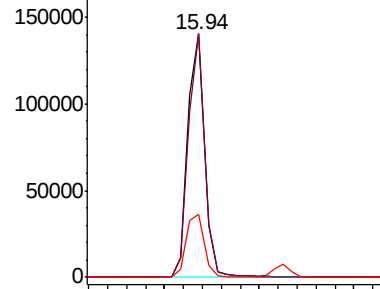
#93
 1,2,4-Trichlorobenzene
 Concen: 17.521 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBS01

Tot Ion:180 Resp: 174452
 Ion Ratio Lower Upper
 180 100
 182 100.1 49.3 147.8
 145 25.8 16.2 48.6

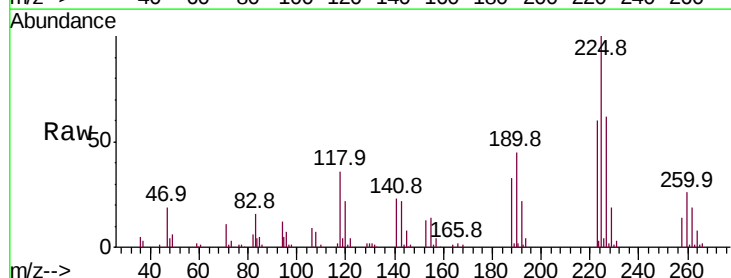


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

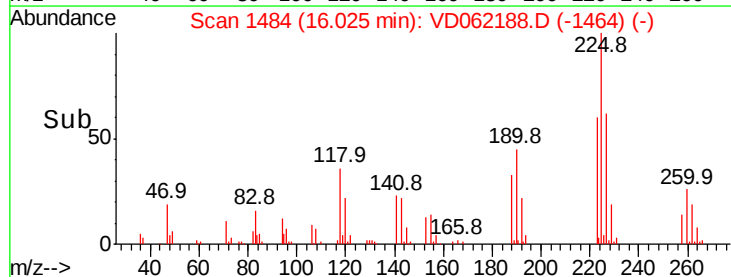
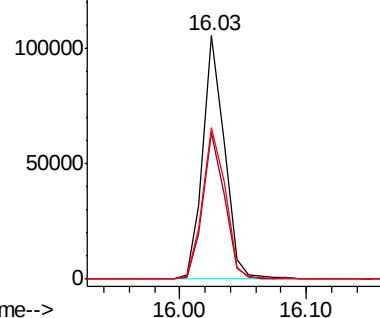


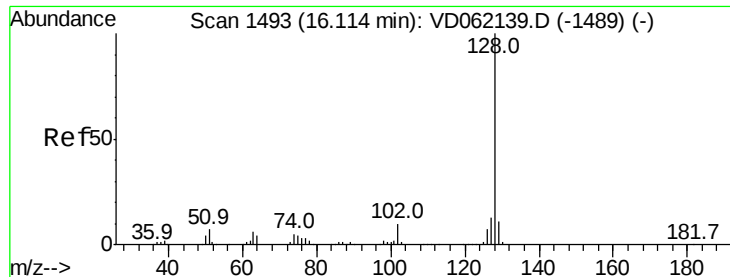
#94
 Hexachlorobutadiene
 Concen: 16.835 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062188.D
 Acq: 9 May 2019 15:12

Tgt Ion:225 Resp: 124671
 Ion Ratio Lower Upper
 225 100
 223 60.3 30.6 92.0
 227 62.1 32.0 96.2



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





#95

Naphthalene

Concen: 15.544 ug/l

RT: 16.11 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBS01

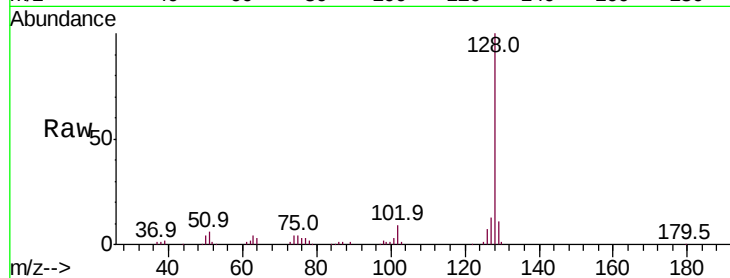
Tot Ion:128 Resp: 216076

Ion Ratio Lower Upper

128 100

127 12.6 9.8 14.8

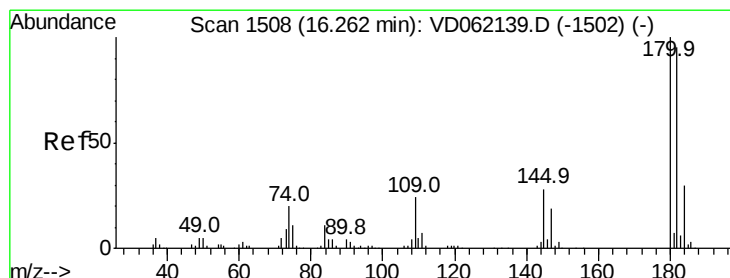
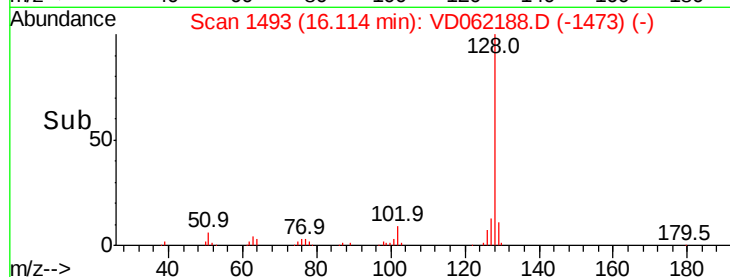
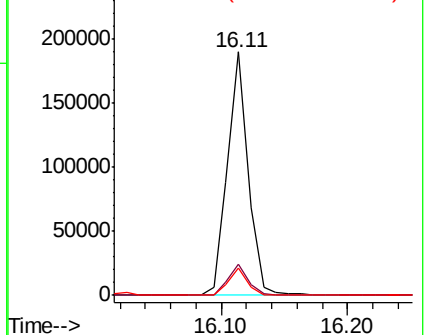
129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.030 ug/l

RT: 16.26 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD062188.D

Acq: 9 May 2019 15:12

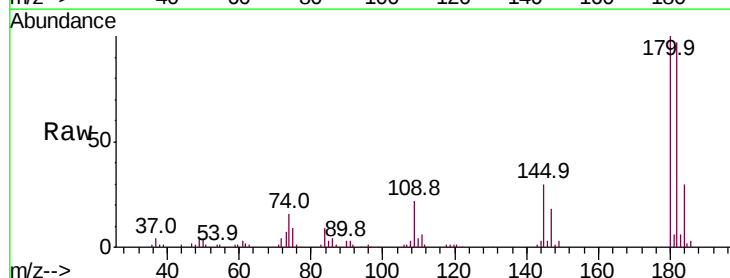
Tgt Ion:180 Resp: 100351

Ion Ratio Lower Upper

180 100

182 96.5 47.0 141.0

145 29.9 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

