

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD050919\
 Data File : VD062189.D
 Acq On : 9 May 2019 15:39
 Operator : FY/SY
 Sample : VD0509SBS01
 Misc : 5.00g/5mL/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBS01

Quant Time: May 10 04:19:54 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	835142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1210263	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	964889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	540952	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	412300	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
35) Dibromofluoromethane	6.90	113	536425	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
50) Toluene-d8	10.40	98	1289171	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
62) 4-Bromofluorobenzene	13.54	95	505755	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.57	85	146521	18.344	ug/l	96
3) Chloromethane	1.75	50	102506	17.761	ug/l	94
4) Vinyl Chloride	1.84	62	100342	17.690	ug/l	99
5) Bromomethane	2.14	94	27061	20.361	ug/l	99
6) Chloroethane	2.25	64	33670	14.146	ug/l	97
7) Trichlorofluoromethane	2.51	101	200651	18.196	ug/l	100
8) Diethyl Ether	2.86	74	40473	19.030	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.13	101	159217	19.086	ug/l	97
10) Methyl Iodide	3.29	142	182481	14.474	ug/l	90
11) Tert butyl alcohol	4.05	59	38480	97.132	ug/l	99
12) 1,1-Dichloroethene	3.11	96	115342	18.113	ug/l	99
13) Acrolein	3.02	56	45724	111.590	ug/l	99
14) Allyl chloride	3.60	41	170062	18.368	ug/l	86
15) Acrylonitrile	4.18	53	98642	94.731	ug/l	91
16) Acetone	3.20	43	170296	104.631	ug/l	96
17) Carbon Disulfide	3.36	76	319354	17.434	ug/l	100
18) Methyl Acetate	3.63	43	53378	18.144	ug/l #	86
19) Methyl tert-butyl Ether	4.21	73	255481	18.718	ug/l	93
20) Methylene Chloride	3.80	84	127986	18.833	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	126436	17.843	ug/l	95
22) Diisopropyl ether	5.09	45	377235	19.146	ug/l	95
23) Vinyl Acetate	5.02	43	1041673	100.207	ug/l	97
24) 1,1-Dichloroethane	4.95	63	226287	19.038	ug/l	99
25) 2-Butanone	6.05	43	179080	100.873	ug/l	99
26) 2,2-Dichloropropane	6.00	77	213284	18.014	ug/l	100
27) cis-1,2-Dichloroethene	6.01	96	139826	17.629	ug/l	98
28) Bromochloromethane	6.41	49	110982	23.733	ug/l	88
29) Tetrahydrofuran	6.43	42	78891	96.445	ug/l	93
30) Chloroform	6.65	83	267069	18.644	ug/l	94
31) Cyclohexane	6.93	56	152841	18.770	ug/l	93
32) 1,1,1-Trichloroethane	6.84	97	251841	18.601	ug/l	99
36) 1,1-Dichloropropene	7.13	75	183789	18.521	ug/l	97
37) Ethyl Acetate	6.15	43	77408	18.394	ug/l #	93
38) Carbon Tetrachloride	7.09	117	253626	18.467	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	168580	17.731	ug/l	99
40) Benzene	7.43	78	387980	17.315	ug/l	100
41) Methacrylonitrile	6.41	41	96018	18.671	ug/l #	92
42) 1,2-Dichloroethane	7.55	62	176002	18.539	ug/l	98
43) Isopropyl Acetate	9.21	43	108245	18.137	ug/l	96
44) Trichloroethene	8.52	130	149128	17.465	ug/l	86
45) 1,2-Dichloropropane	8.92	63	95710	17.268	ug/l	93
46) Dibromomethane	9.04	93	79421	17.621	ug/l	94
47) Bromodichloromethane	9.35	83	193161	17.521	ug/l	97
48) Methyl methacrylate	9.10	41	70577	19.199	ug/l	87
49) 1,4-Dioxane	9.06	88	12757	321.627	ug/l #	80
51) 4-Methyl-2-Pentanone	10.28	43	344167	89.711	ug/l	95
52) Toluene	10.48	92	269101	18.458	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	171861	18.037	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	181974	17.507	ug/l	91
55) 1,1,2-Trichloroethane	11.17	97	89200	17.292	ug/l	96
56) Ethyl methacrylate	11.03	69	95947	17.899	ug/l	94
57) 1,3-Dichloropropane	11.39	76	131205	16.836	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.83	63	295631	100.966	ug/l	97
59) 2-Hexanone	11.52	43	253953	89.813	ug/l	92
60) Dibromochloromethane	11.67	129	155059	17.393	ug/l	98
61) 1,2-Dibromoethane	11.79	107	112133	17.880	ug/l	91
64) Tetrachloroethene	11.23	164	131430	17.419	ug/l	97
65) Chlorobenzene	12.38	112	337230	18.765	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	143452	18.341	ug/l	95
67) Ethyl Benzene	12.51	91	537821	17.876	ug/l	99
68) m/p-Xylenes	12.65	106	424123	38.746	ug/l	99
69) o-Xylene	13.03	106	184076	18.088	ug/l	96
70) Styrene	13.06	104	285372	16.554	ug/l	98
71) Bromoform	13.22	173	95904	17.624	ug/l #	96
73) Isopropylbenzene	13.39	105	552189	17.029	ug/l	96
74) N-amyl acetate	13.25	43	136343	16.037	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	105778	17.231	ug/l	98
76) 1,2,3-Trichloropropane	13.72	75	114509	17.812	ug/l	100
77) Bromobenzene	13.66	156	163569	18.020	ug/l	94
78) n-propylbenzene	13.76	91	648298	16.760	ug/l	95
79) 2-Chlorotoluene	13.83	91	373382	16.854	ug/l	95
80) 1,3,5-Trimethylbenzene	13.92	105	460300	16.857	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.47	75	27272	15.027	ug/l	92
82) 4-Chlorotoluene	13.94	91	399683	15.332	ug/l	92
83) tert-Butylbenzene	14.17	119	561134	18.283	ug/l	91
84) 1,2,4-Trimethylbenzene	14.22	105	498154	18.180	ug/l	93
85) sec-Butylbenzene	14.36	105	612288	18.196	ug/l	99
86) p-Isopropyltoluene	14.48	119	520674	17.319	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	282848	17.057	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	282029	17.310	ug/l	96
89) n-Butylbenzene	14.78	91	502535	18.623	ug/l	95
90) Hexachloroethane	15.00	117	146218	17.884	ug/l	61
91) 1,2-Dichlorobenzene	14.79	146	261639	19.159	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	18388	18.248	ug/l	88

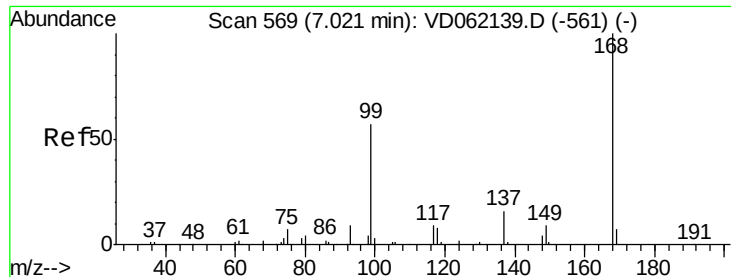
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD050919\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	152185	15.310	ug/l	96
94) Hexachlorobutadiene	16.02	225	119086	16.108	ug/l	98
95) Naphthalene	16.11	128	202632	14.602	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	91413	14.627	ug/l	94

(#) = 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: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

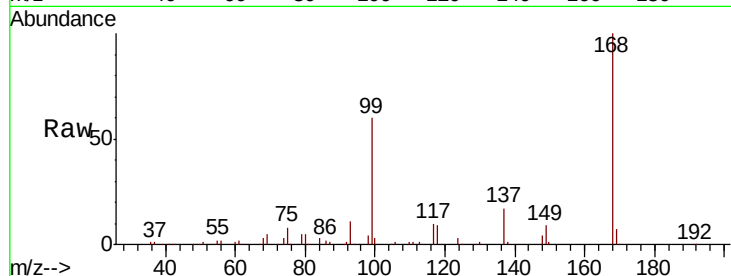
VD0509SBSD01

Tgt Ion:168 Resp: 835142

Ion Ratio Lower Upper

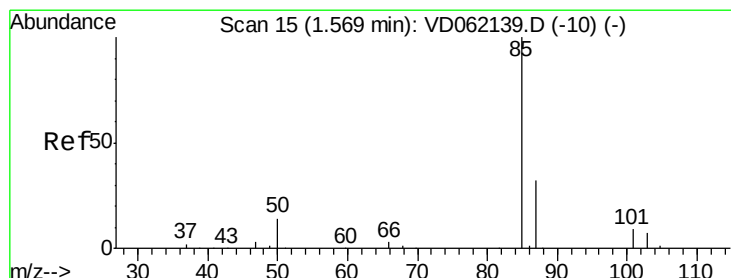
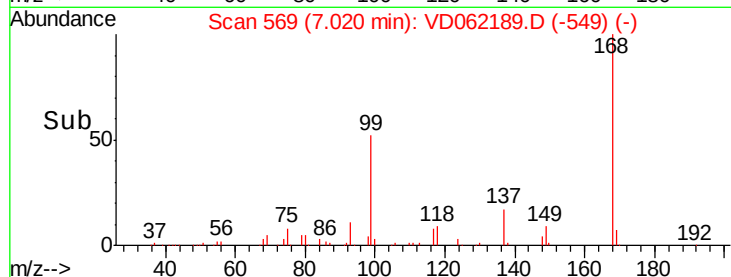
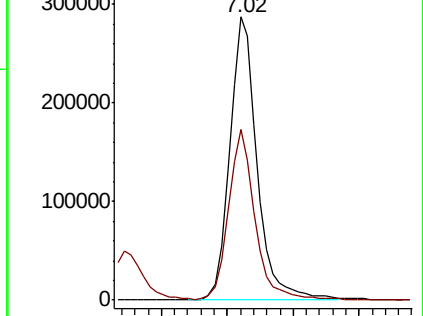
168 100

99 60.4 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: 18.344 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062189.D

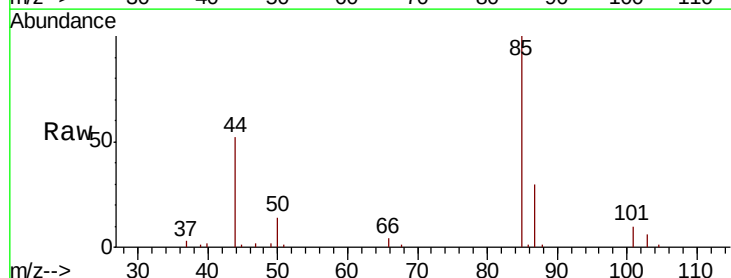
Acq: 9 May 2019 15:39

Tgt Ion: 85 Resp: 146521

Ion Ratio Lower Upper

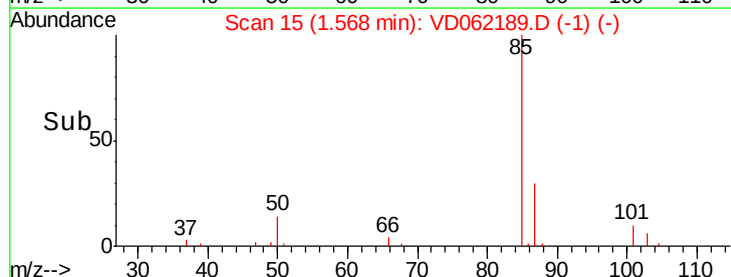
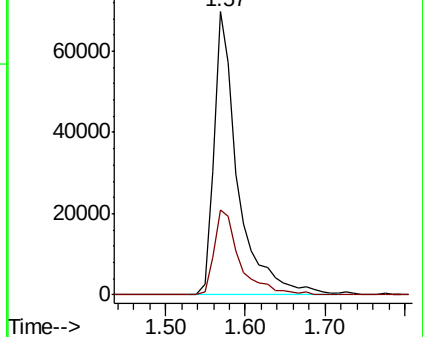
85 100

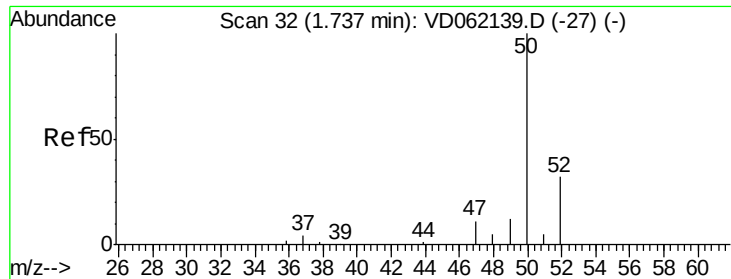
87 30.1 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.761 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

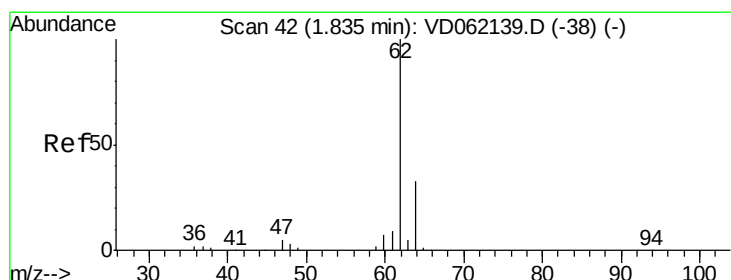
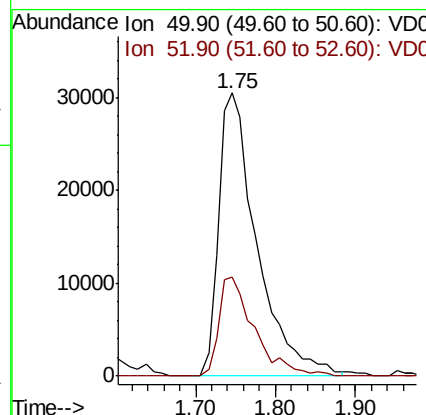
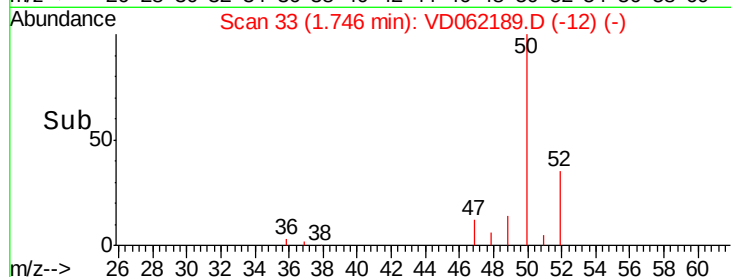
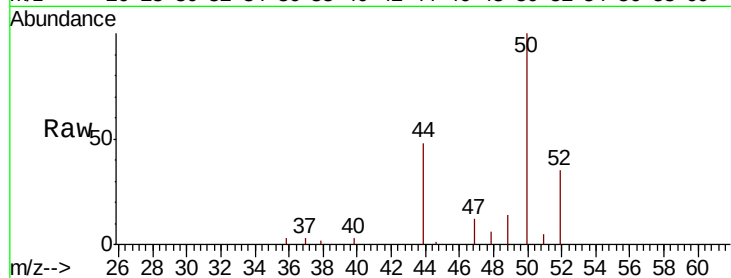
VD0509SBSD01

Tgt Ion: 50 Resp: 102506

Ion Ratio Lower Upper

50 100

52 34.8 25.2 37.8



#4

Vinyl Chloride

Concen: 17.690 ug/l

RT: 1.84 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062189.D

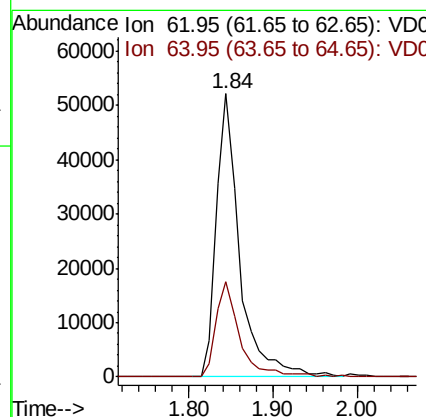
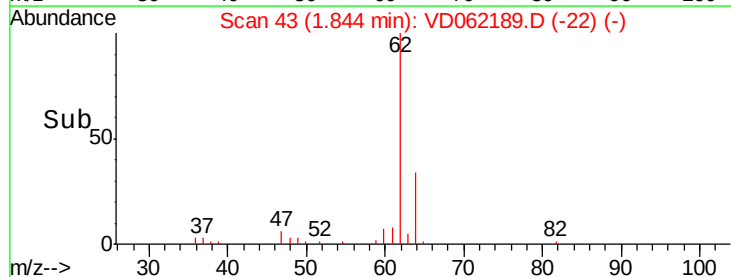
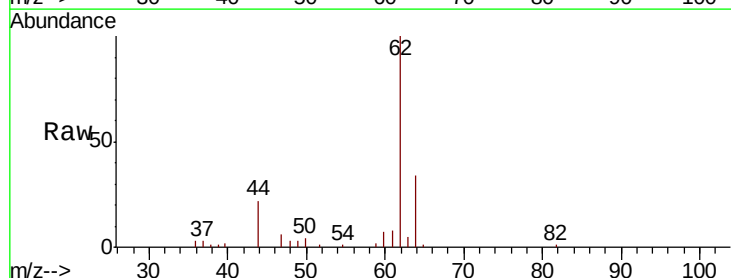
Acq: 9 May 2019 15:39

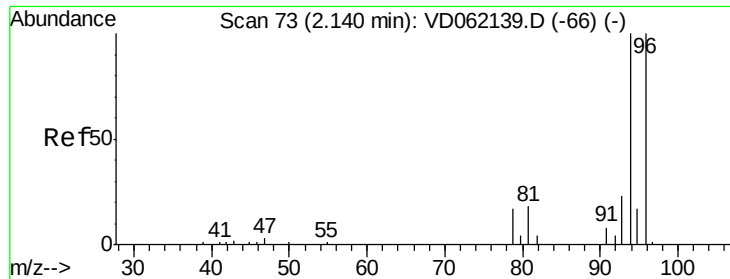
Tgt Ion: 62 Resp: 100342

Ion Ratio Lower Upper

62 100

64 33.8 26.5 39.7





#5

Bromomethane

Concen: 20.361 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062139.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBS01

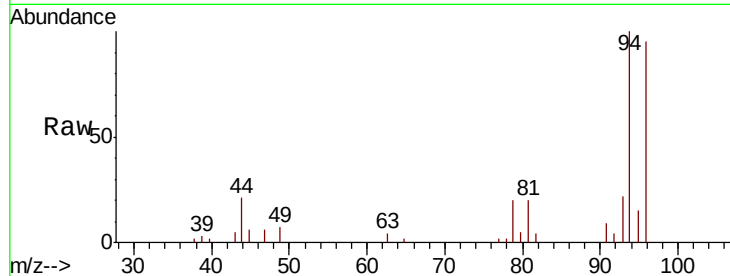
Tgt Ion: 94 Resp: 27061

Ion Ratio Lower Upper

94 100

96 94.7 76.6 115.0

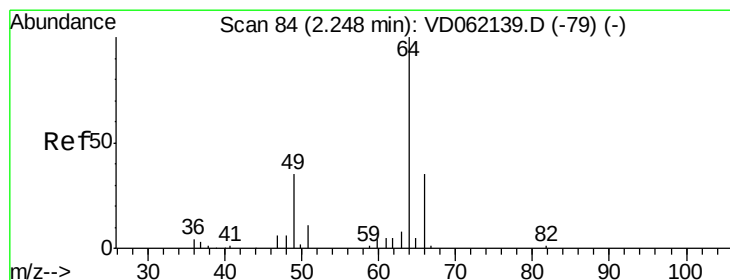
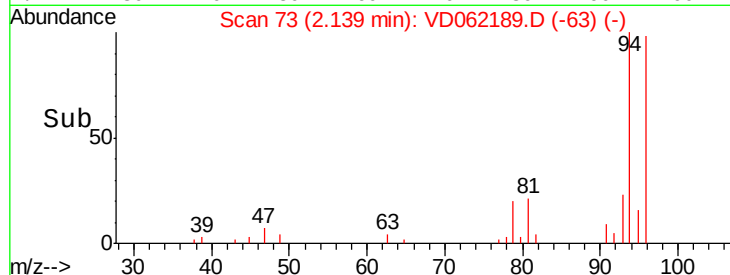
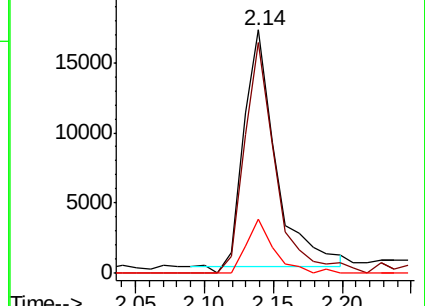
93 22.5 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 14.146 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD062139.D

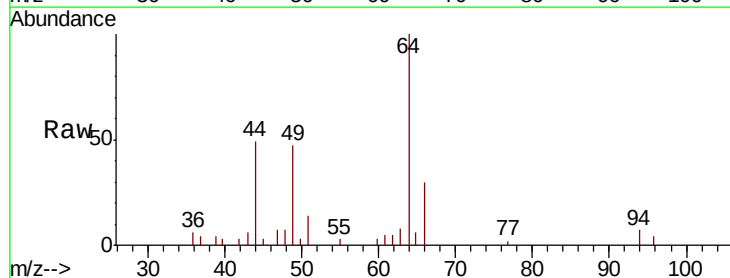
Acq: 9 May 2019 15:39

Tgt Ion: 64 Resp: 33670

Ion Ratio Lower Upper

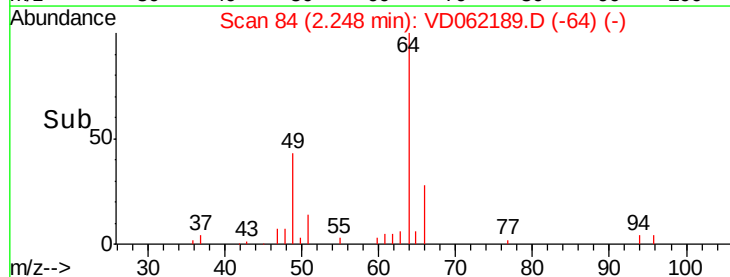
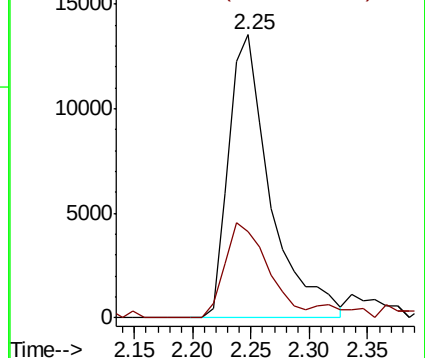
64 100

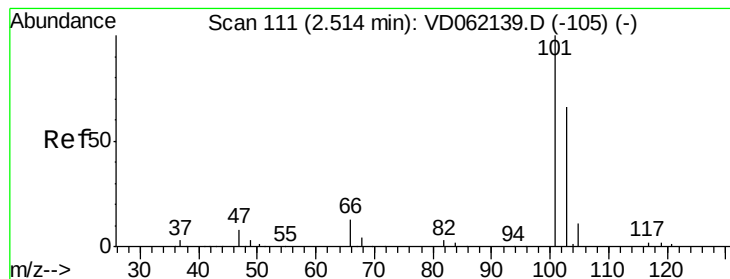
66 30.4 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



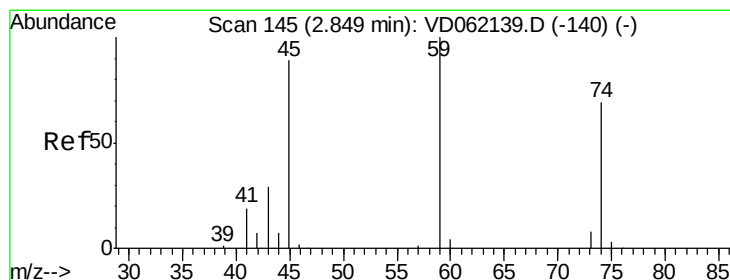
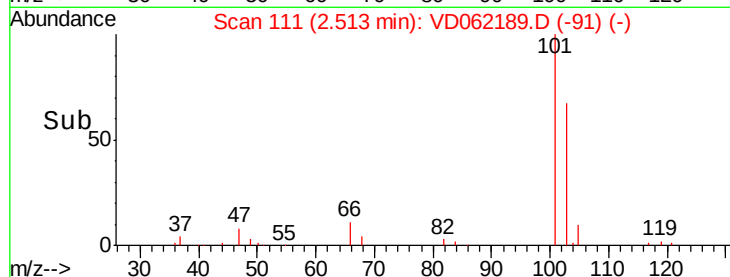
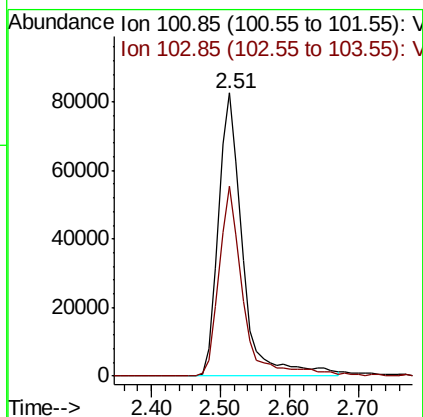
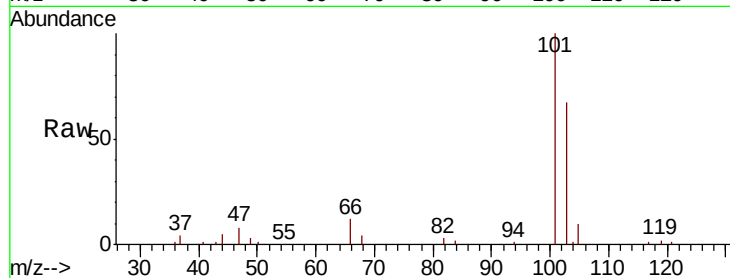


#7

Trichlorofluoromethane
 Concen: 18.196 ug/l
 RT: 2.51 min Scan# 111
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

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 VD0509SBSD01

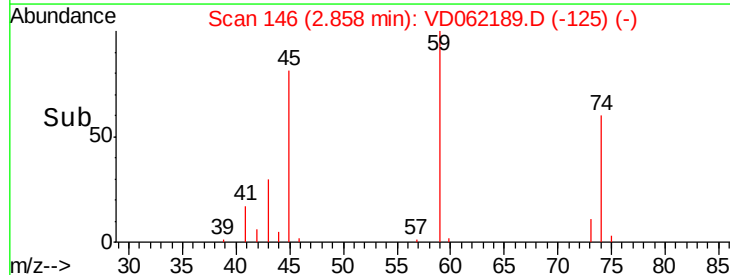
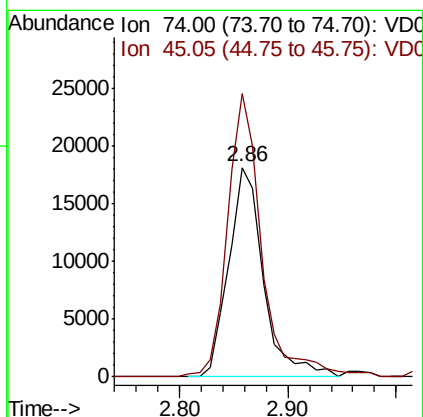
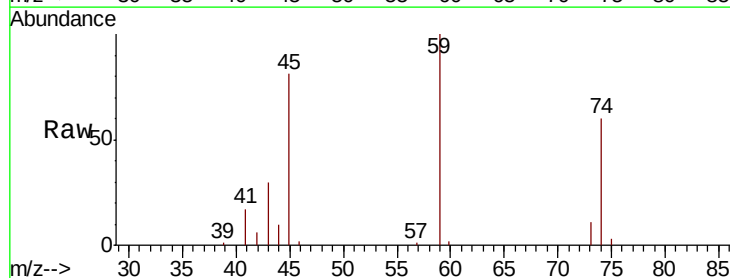
Tgt Ion: 101 Resp: 200651
 Ion Ratio Lower Upper
 101 100
 103 67.2 53.6 80.4

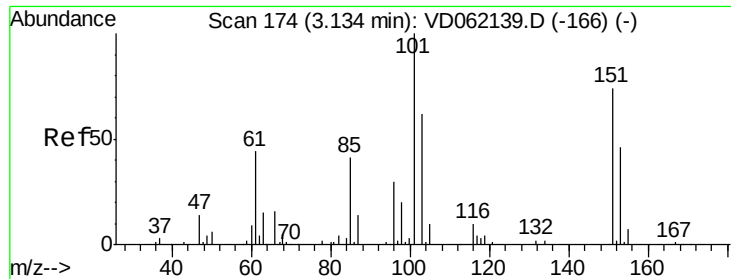


#8

Diethyl Ether
 Concen: 19.030 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.01 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

Tgt Ion: 74 Resp: 40473
 Ion Ratio Lower Upper
 74 100
 45 135.0 56.9 170.7

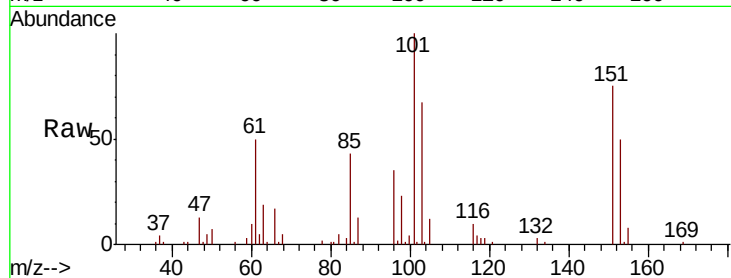




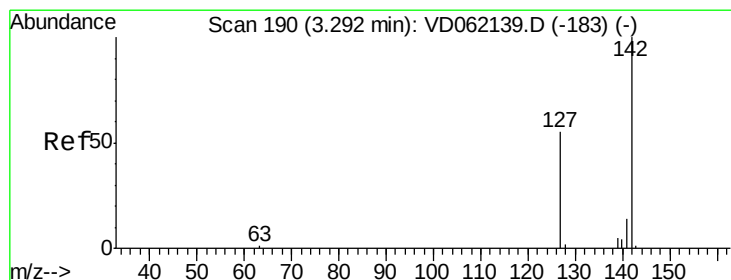
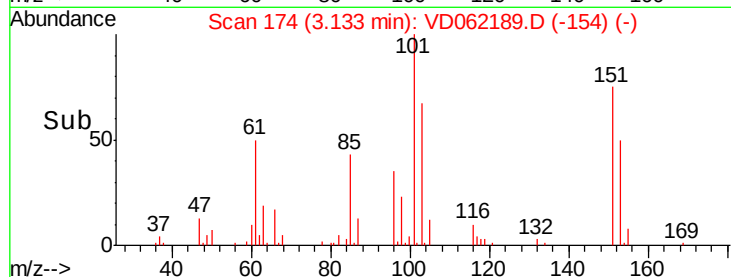
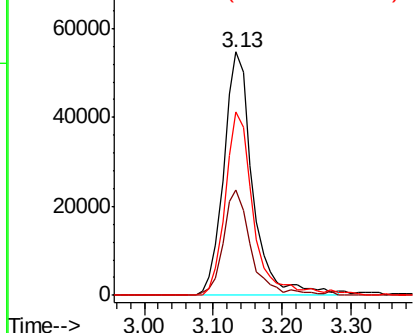
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.086 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

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 VD0509SBSD01

Tgt Ion:101 Resp: 159217
 Ion Ratio Lower Upper
 101 100
 85 43.4 32.4 48.6
 151 75.3 59.4 89.0

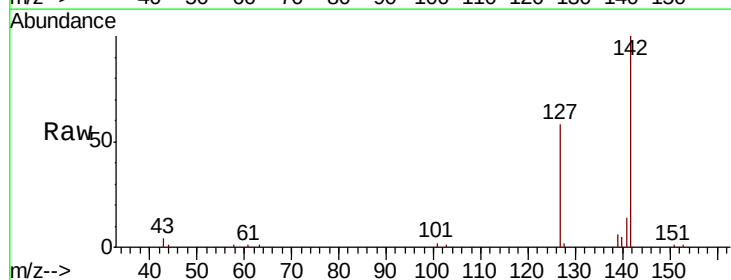


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

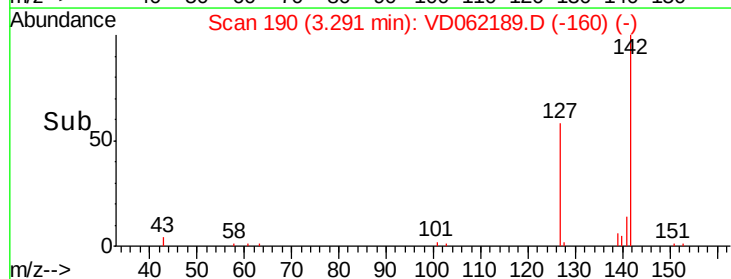
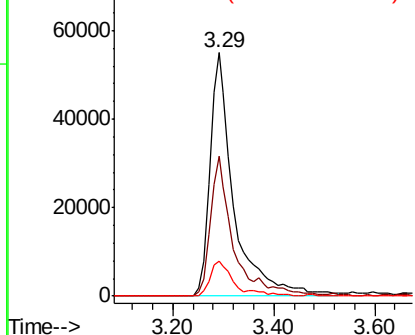


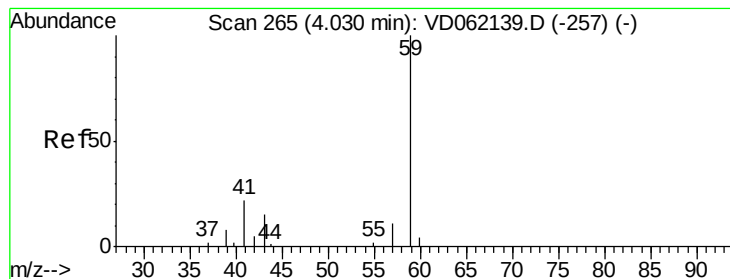
#10
 Methyl Iodide
 Concen: 14.474 ug/l
 RT: 3.29 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

Tgt Ion:142 Resp: 182481
 Ion Ratio Lower Upper
 142 100
 127 57.6 38.8 58.2
 141 14.2 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



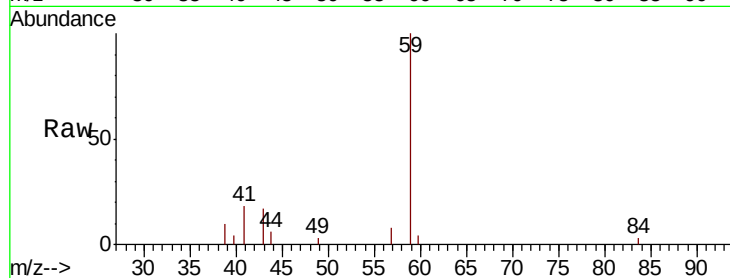


#11

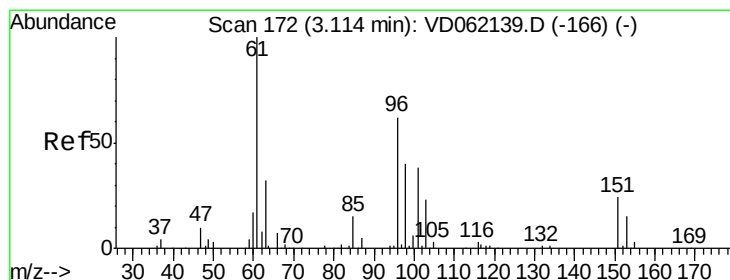
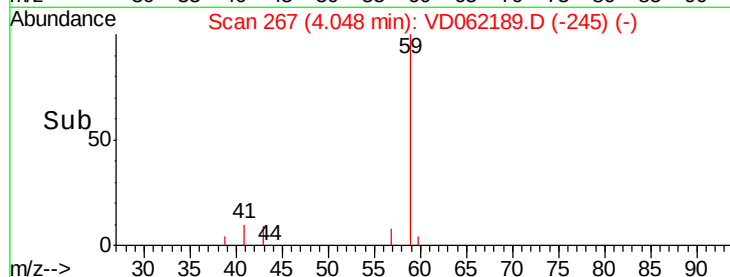
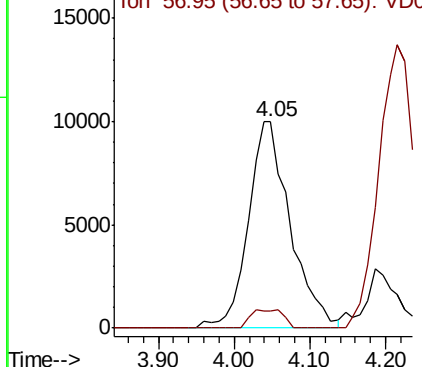
Tert butyl alcohol
 Concen: 97.132 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. 0.02 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBSD01

Tgt Ion: 59 Resp: 38480
 Ion Ratio Lower Upper
 59 100
 57 8.4 6.9 10.3



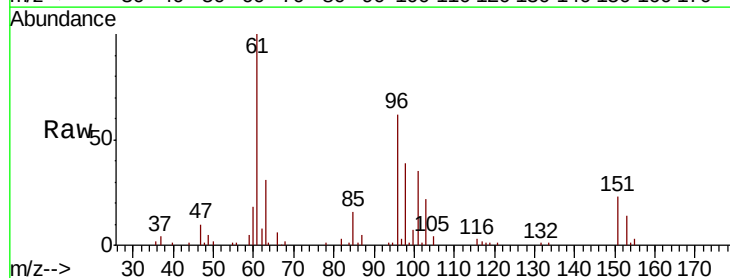
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



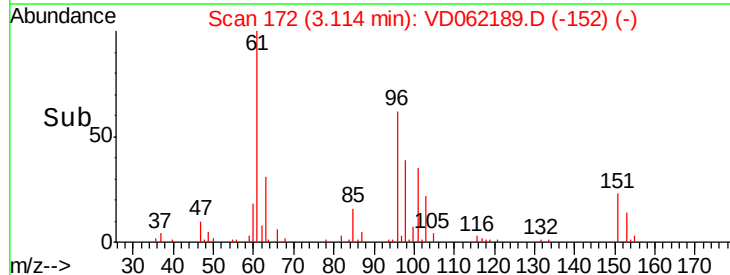
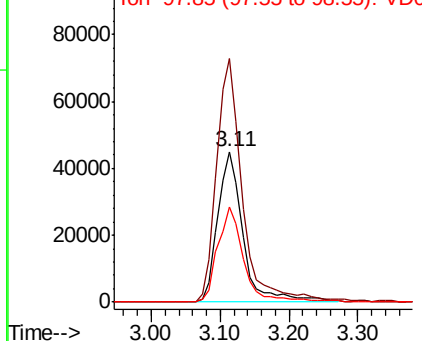
#12

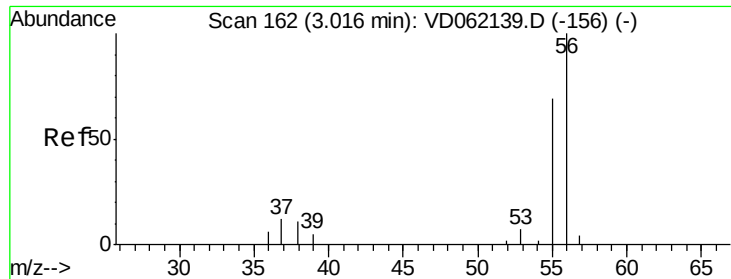
1,1-Dichloroethene
 Concen: 18.113 ug/l
 RT: 3.11 min Scan# 172
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

Tgt Ion: 96 Resp: 115342
 Ion Ratio Lower Upper
 96 100
 61 161.6 129.8 194.8
 98 63.4 51.2 76.8



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





#13

Acrolein

Concen: 111.590 ug/l

RT: 3.02 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

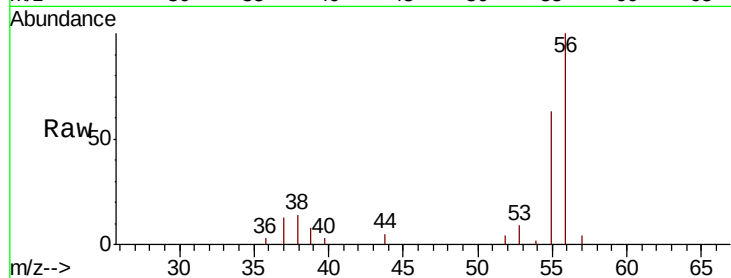
VD0509SBSD01

Tgt Ion: 56 Resp: 45724

Ion Ratio Lower Upper

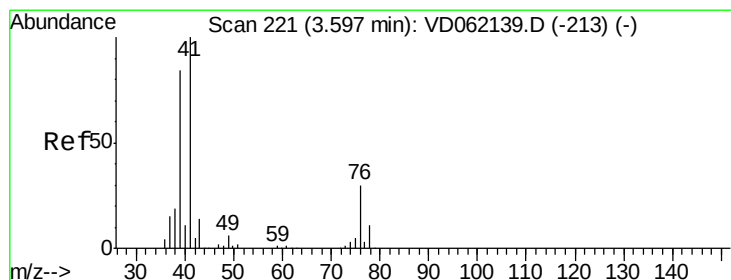
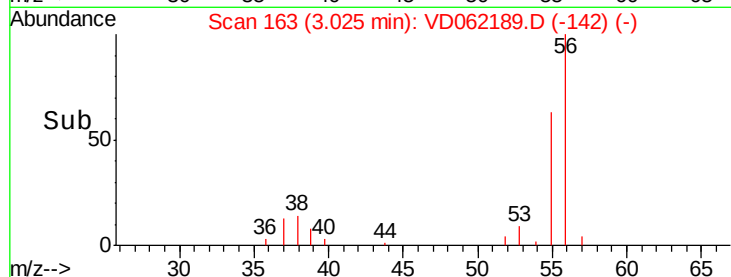
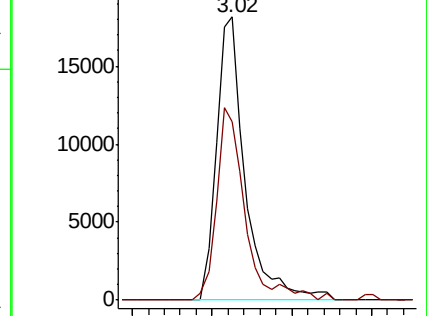
56 100

55 63.1 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.368 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

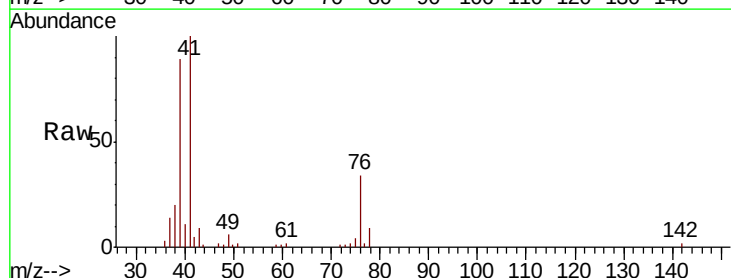
Tgt Ion: 41 Resp: 170062

Ion Ratio Lower Upper

41 100

39 89.1 60.5 90.7

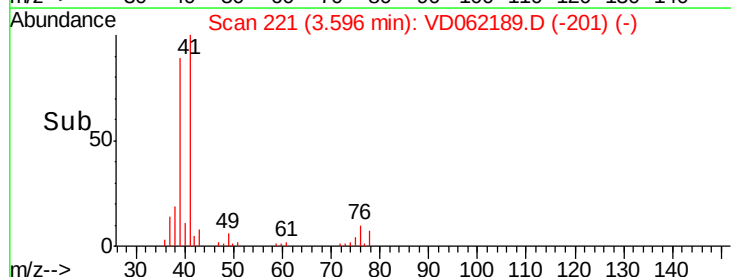
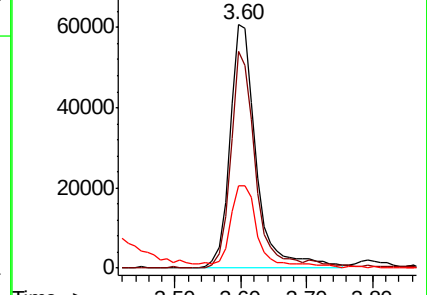
76 34.0 31.8 47.8

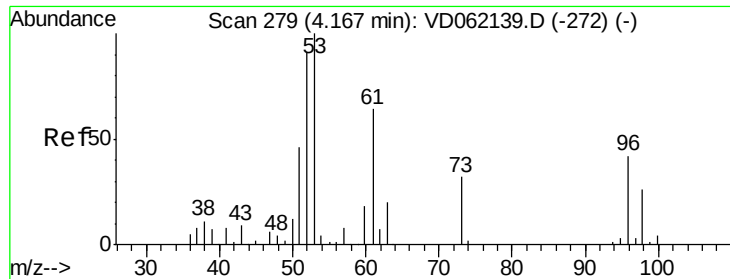


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 94.731 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBS01

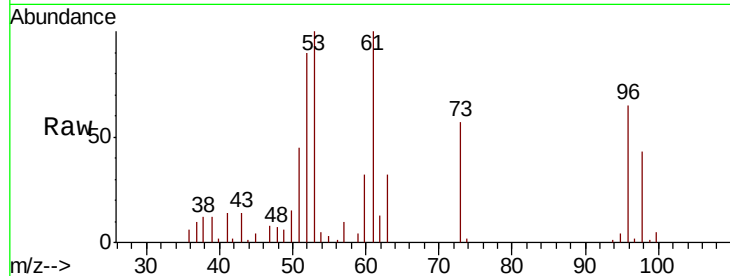
Tgt Ion: 53 Resp: 98642

Ion Ratio Lower Upper

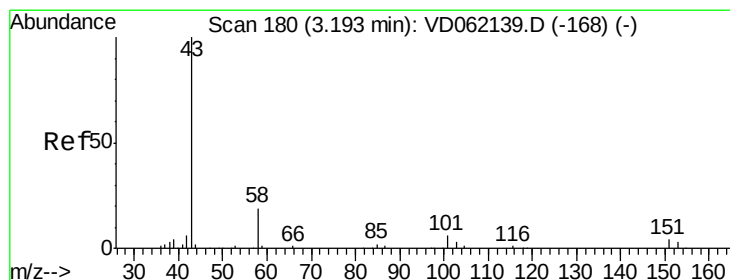
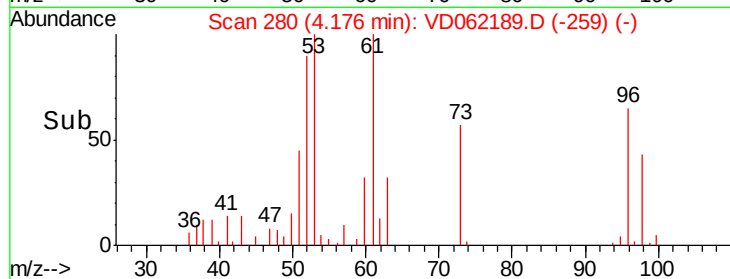
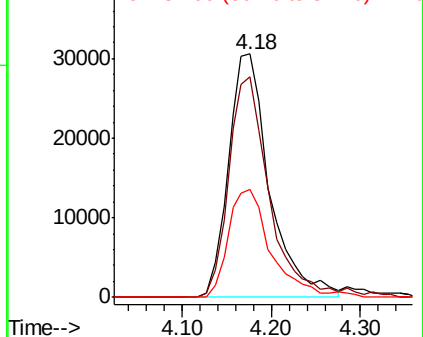
53 100

52 90.4 65.0 97.4

51 44.6 32.6 48.8



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



#16

Acetone

Concen: 104.631 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD062189.D

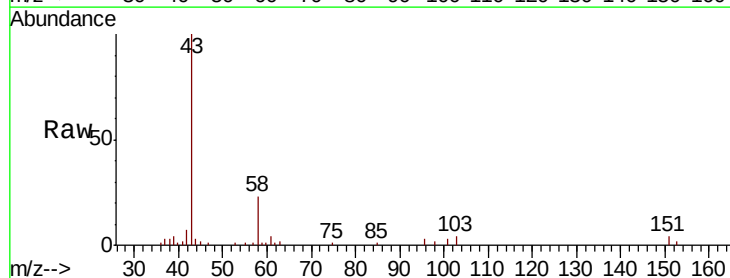
Acq: 9 May 2019 15:39

Tgt Ion: 43 Resp: 170296

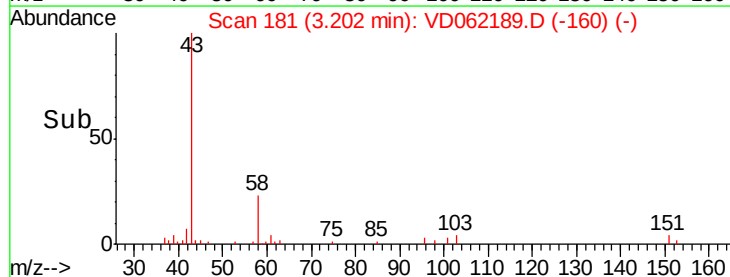
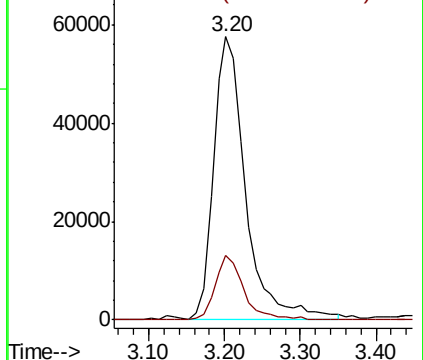
Ion Ratio Lower Upper

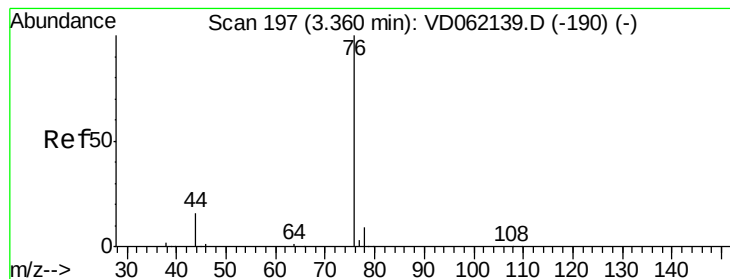
43 100

58 22.8 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: 17.434 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.00 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

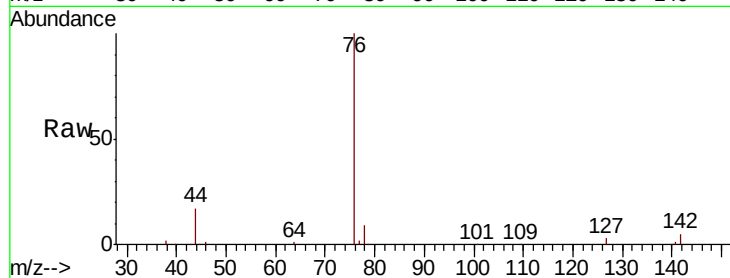
VD0509SBSD01

Tgt Ion: 76 Resp: 319354

Ion Ratio Lower Upper

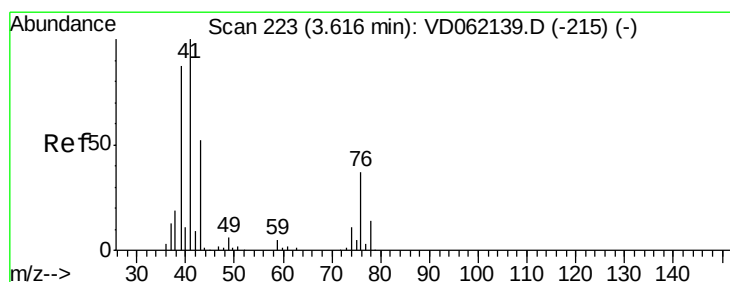
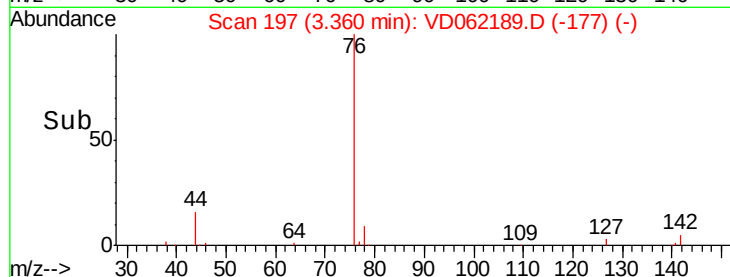
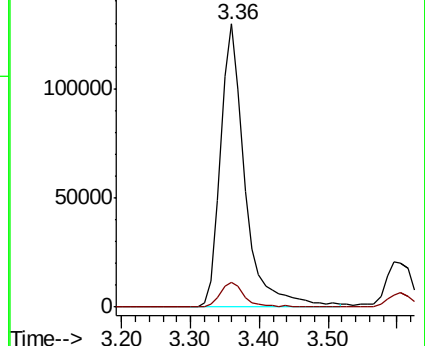
76 100

78 9.0 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: 18.144 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062189.D

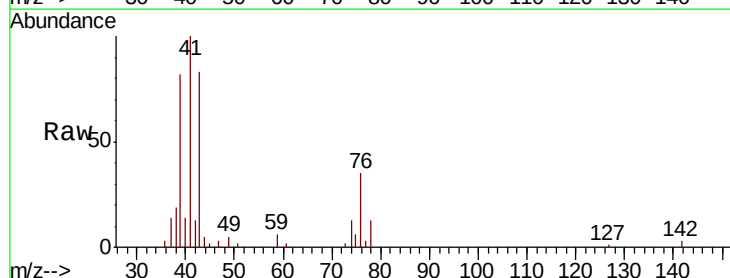
Acq: 9 May 2019 15:39

Tgt Ion: 43 Resp: 53378

Ion Ratio Lower Upper

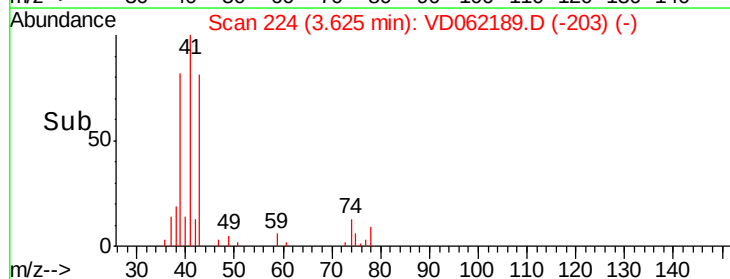
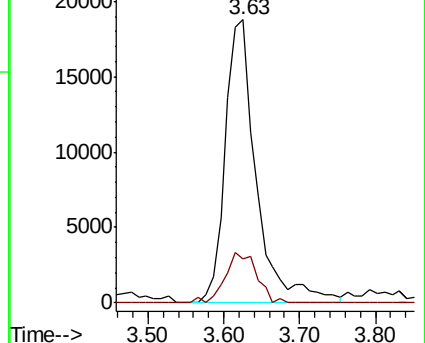
43 100

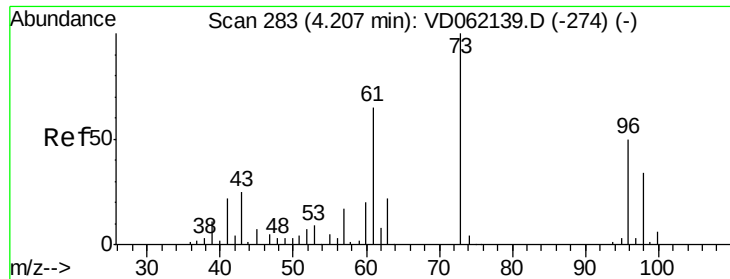
74 15.8 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

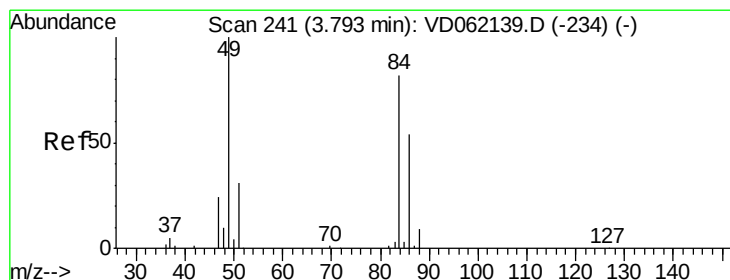
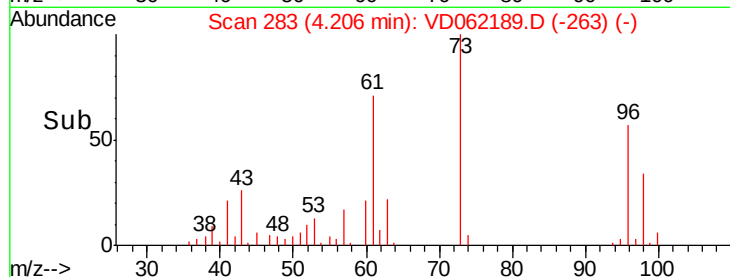
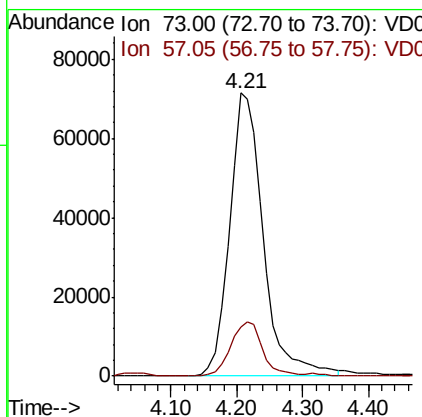
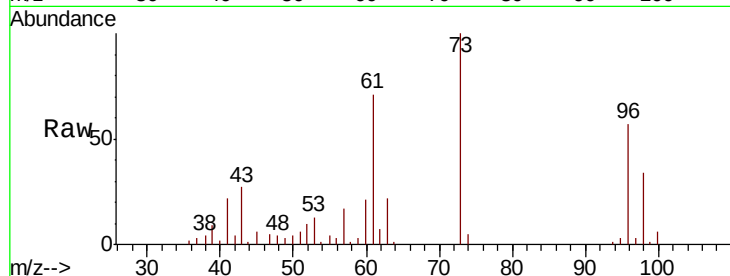




#19
Methyl tert-butyl Ether
Concen: 18.718 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

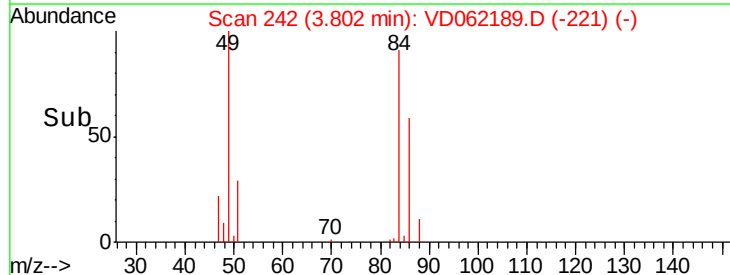
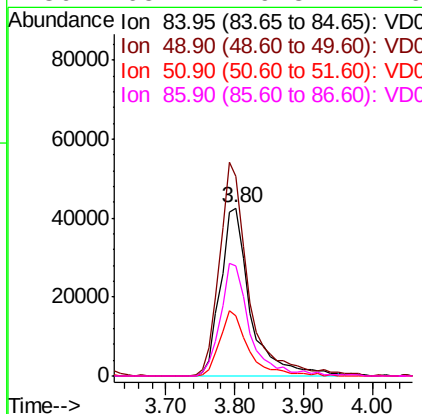
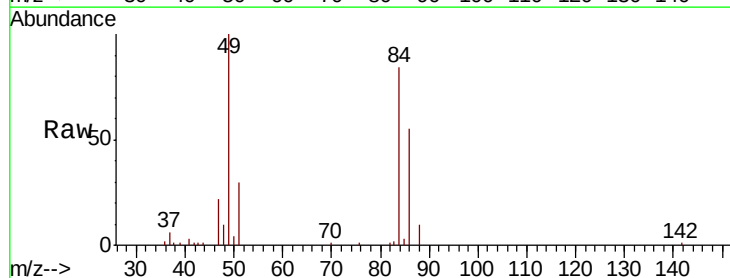
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBSD01

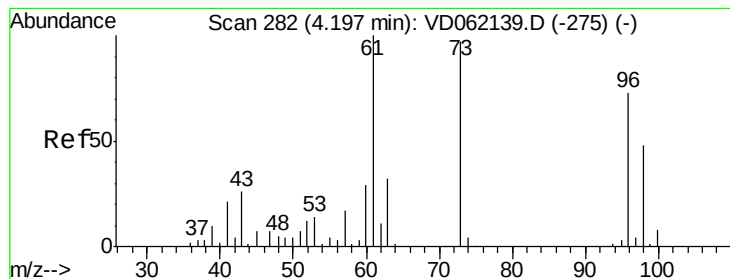
Tgt Ion: 73 Resp: 255481
Ion Ratio Lower Upper
73 100
57 17.2 16.3 24.5



#20
Methylene Chloride
Concen: 18.833 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Tgt Ion: 84 Resp: 127986
Ion Ratio Lower Upper
84 100
49 118.7 94.0 141.0
51 35.4 29.0 43.4
86 65.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.843 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBSD01

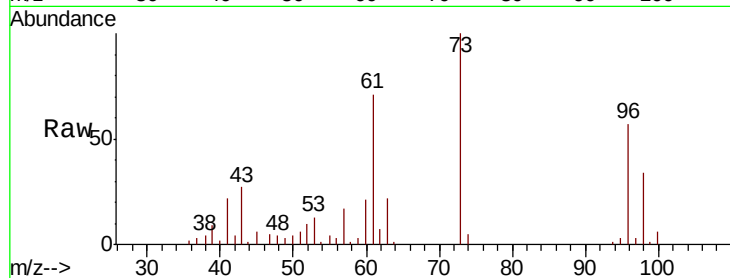
Tgt Ion: 96 Resp: 126436

Ion Ratio Lower Upper

96 100

61 124.9 104.4 156.6

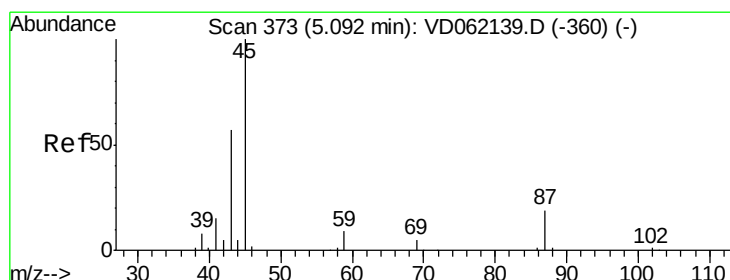
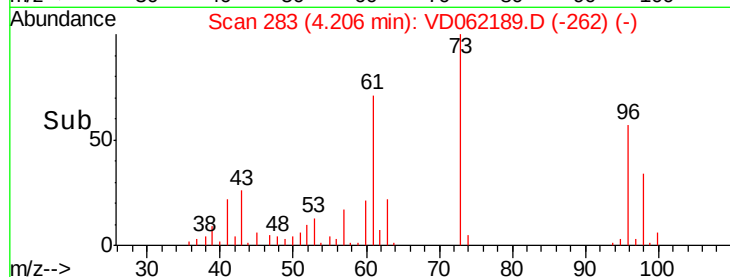
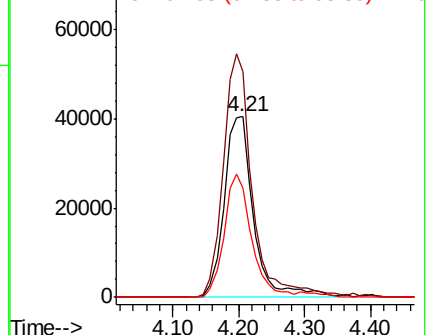
98 60.8 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.146 ug/l

RT: 5.09 min Scan# 373

Delta R.T. -0.00 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Tgt Ion: 45 Resp: 377235

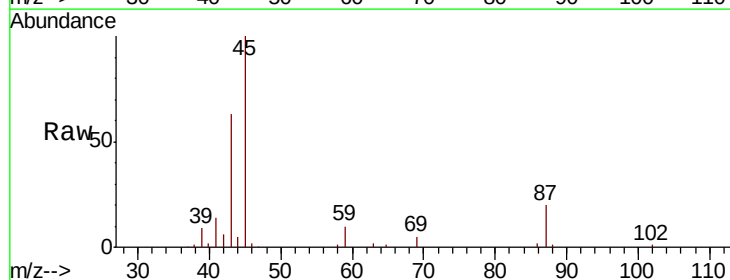
Ion Ratio Lower Upper

45 100

43 62.7 46.2 69.2

87 19.6 15.9 23.9

59 9.6 7.9 11.9

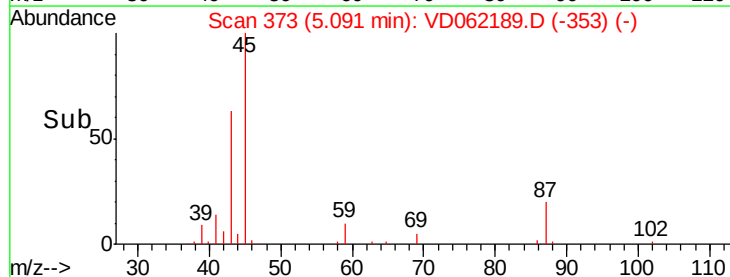
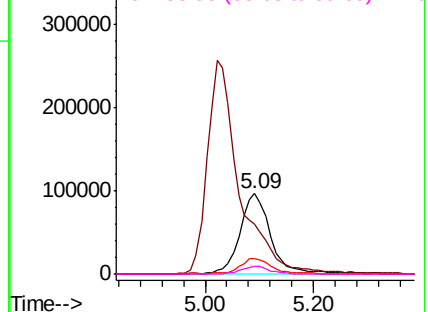


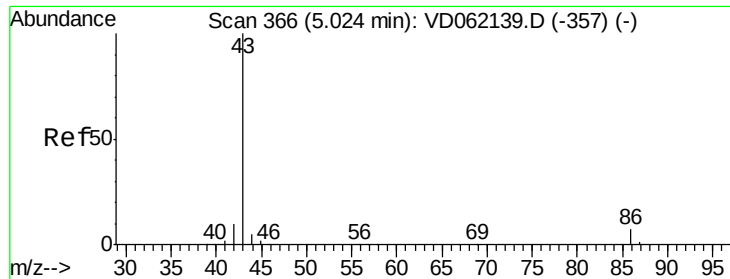
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

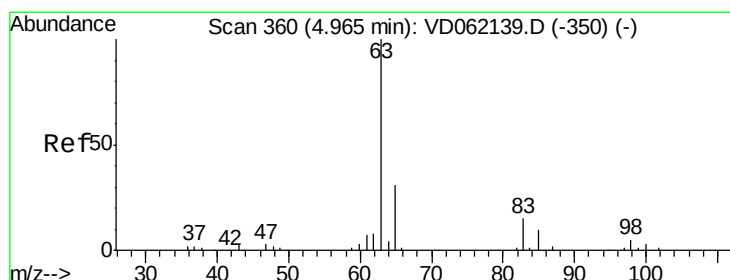
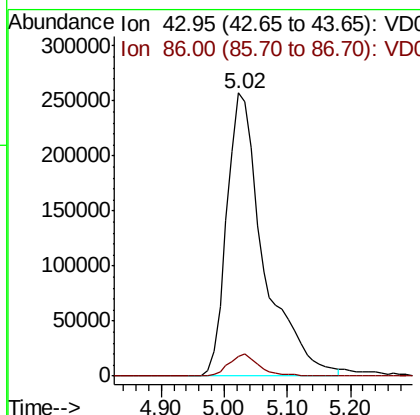
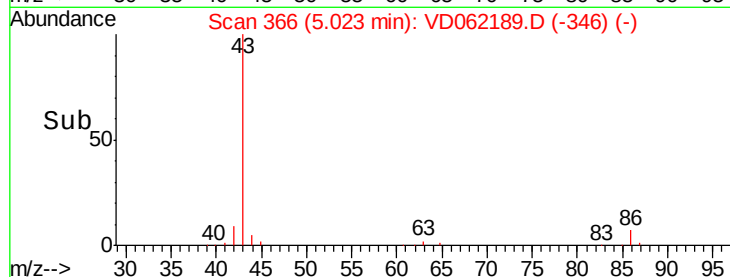
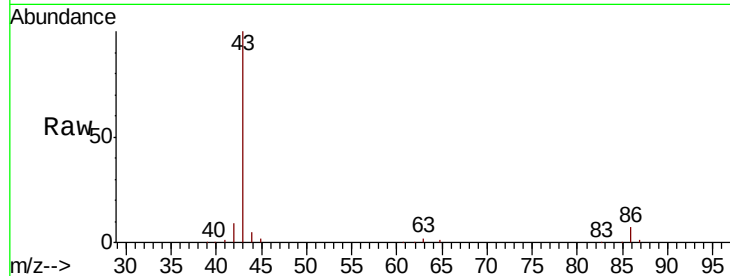




#23
 Vinyl Acetate
 Concen: 100.207 ug/l
 RT: 5.02 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

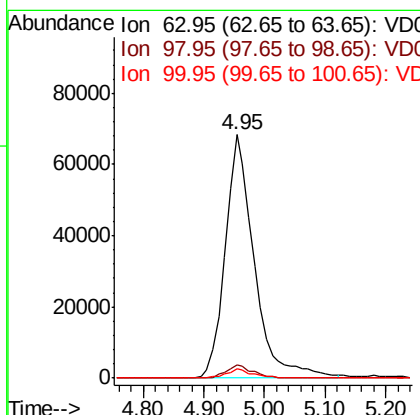
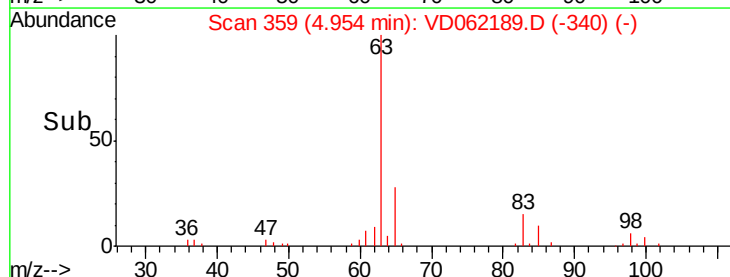
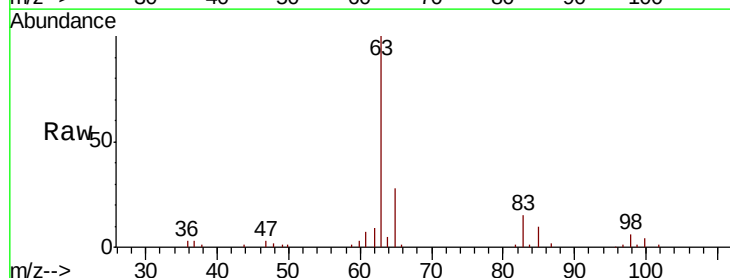
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBSD01

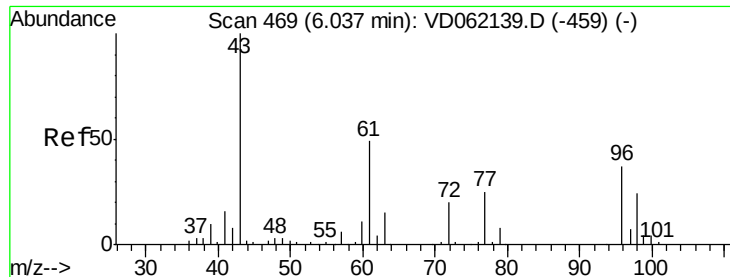
Tgt Ion: 43 Resp: 1041673
 Ion Ratio Lower Upper
 43 100
 86 6.9 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 19.038 ug/l
 RT: 4.95 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

Tgt Ion: 63 Resp: 226287
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.8 8.4
 100 3.6 1.8 5.5





#25

2-Butanone

Concen: 100.873 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

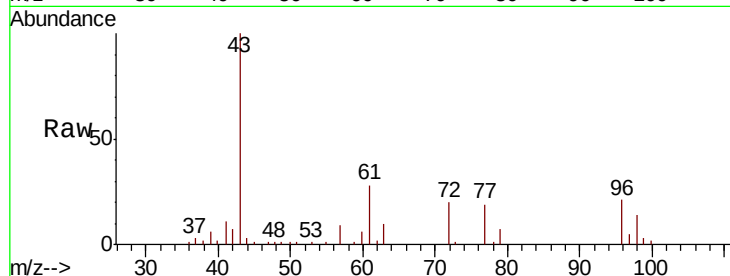
VD0509SBSD01

Tgt Ion: 43 Resp: 179080

Ion Ratio Lower Upper

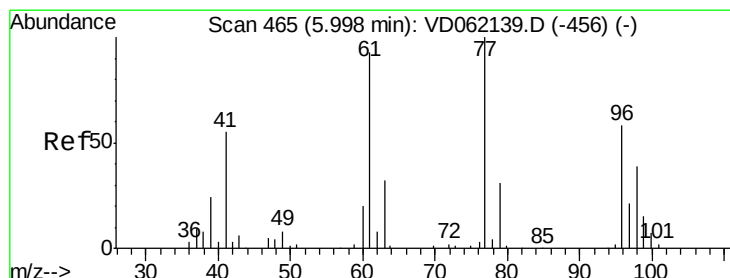
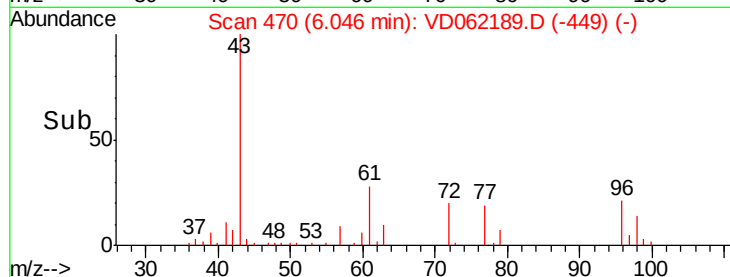
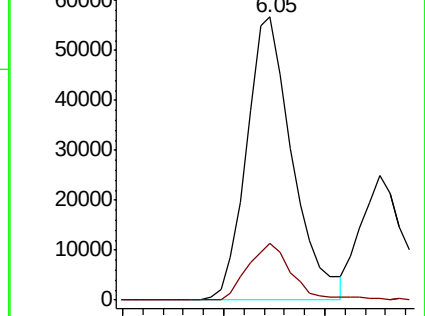
43 100

72 19.9 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: 18.014 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD062189.D

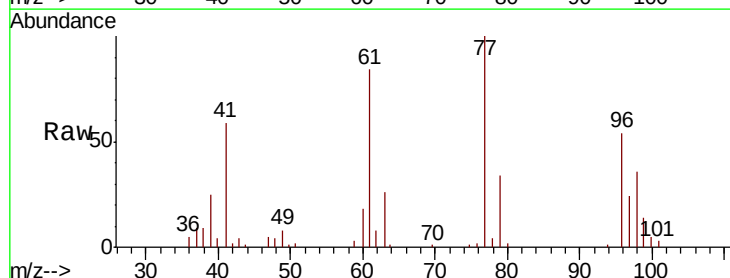
Acq: 9 May 2019 15:39

Tgt Ion: 77 Resp: 213284

Ion Ratio Lower Upper

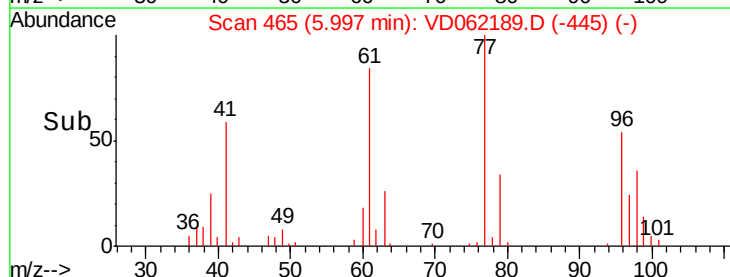
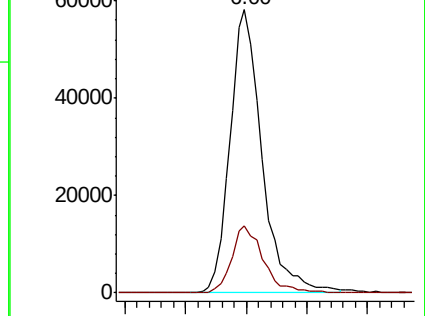
77 100

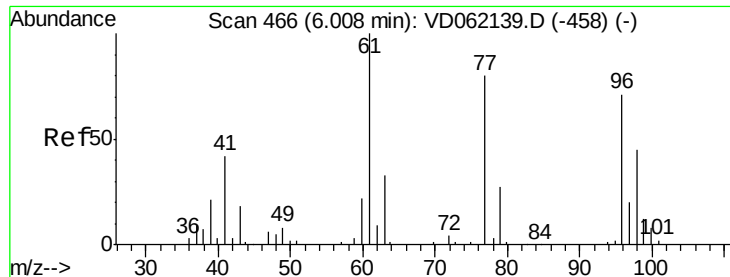
97 23.8 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



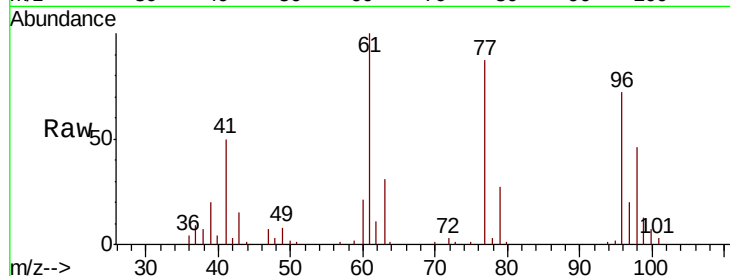


#27

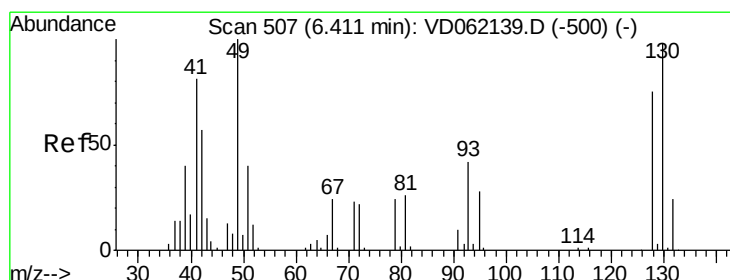
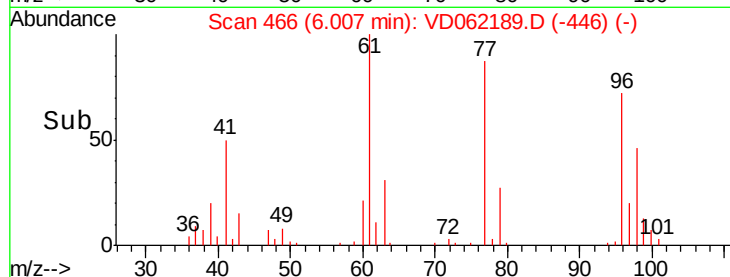
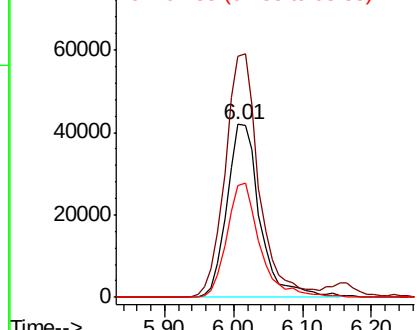
cis-1,2-Dichloroethene
Concen: 17.629 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0509SBSD01

Tgt Ion: 96 Resp: 139826
Ion Ratio Lower Upper
96 100
61 139.7 0.0 279.8
98 64.3 0.0 136.0



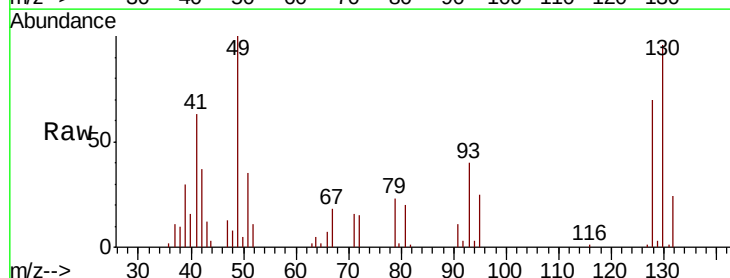
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



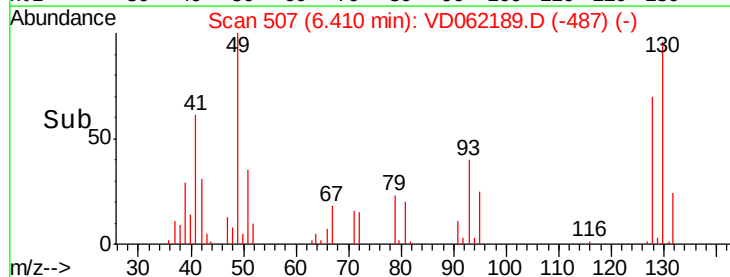
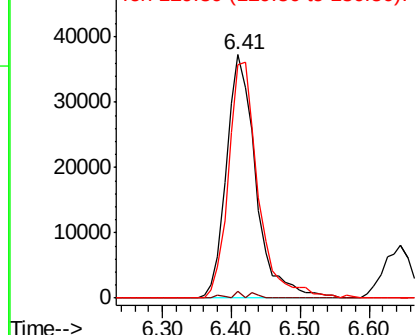
#28

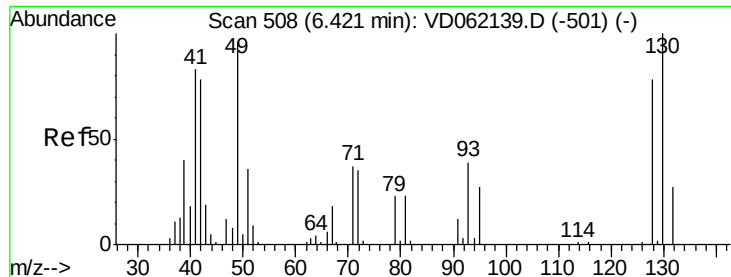
Bromochloromethane
Concen: 23.733 ug/l
RT: 6.41 min Scan# 507
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Tgt Ion: 49 Resp: 110982
Ion Ratio Lower Upper
49 100
129 2.9 0.0 6.6
130 95.6 86.7 130.1



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

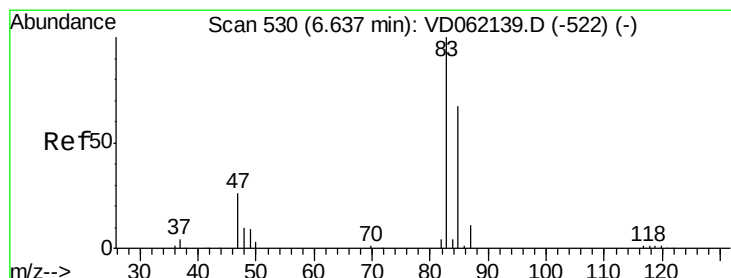
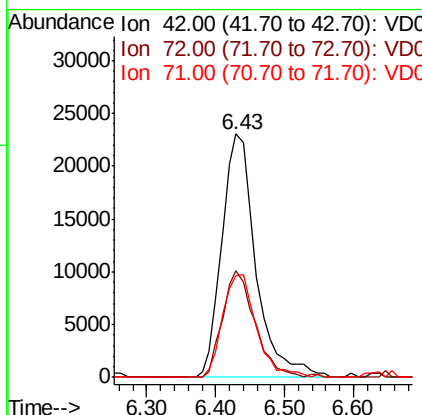
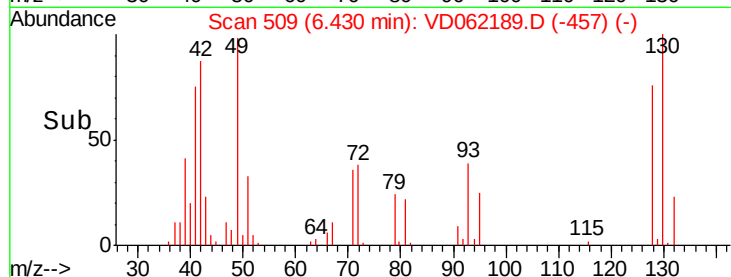
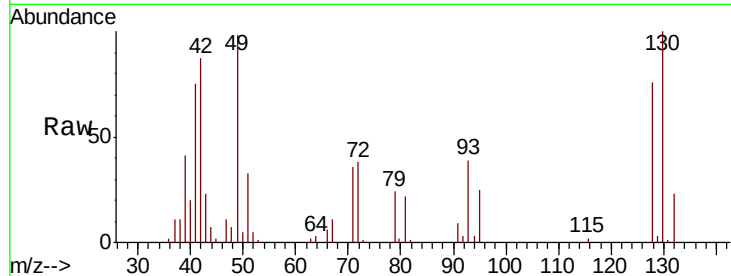




#29
Tetrahydrofuran
Concen: 96.445 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

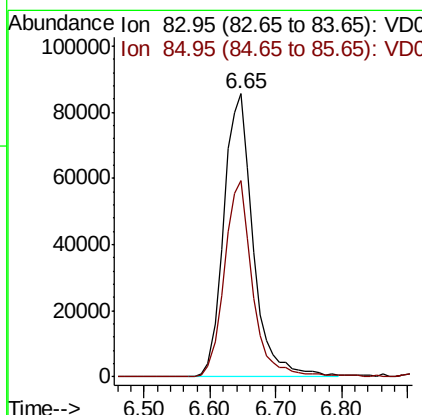
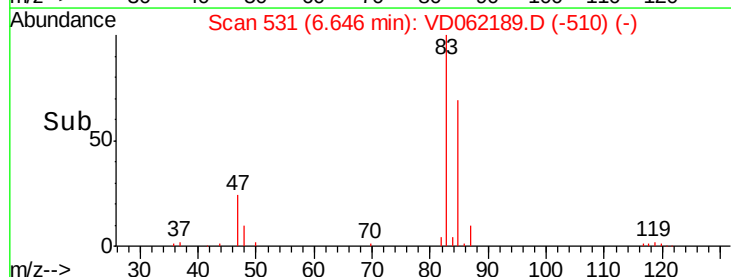
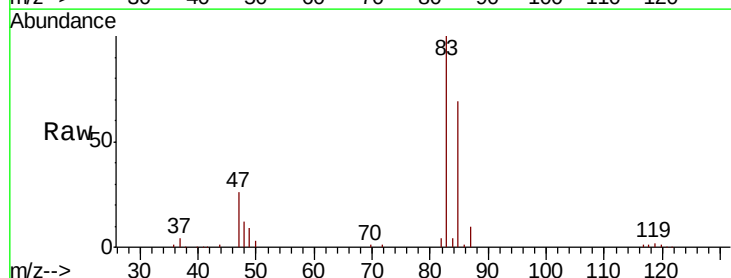
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBSD01

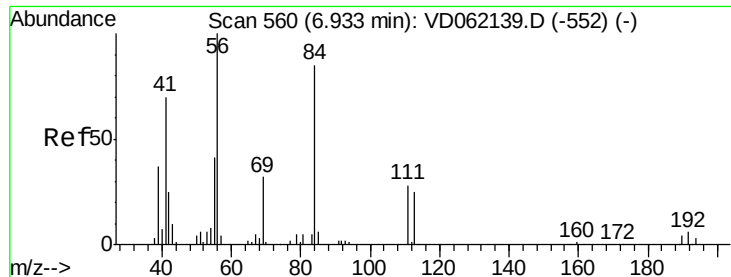
Tgt Ion: 42 Resp: 78891
Ion Ratio Lower Upper
42 100
72 41.4 37.8 56.6
71 41.8 36.7 55.1



#30
Chloroform
Concen: 18.644 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.01 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Tgt Ion: 83 Resp: 267069
Ion Ratio Lower Upper
83 100
85 69.4 51.7 77.5

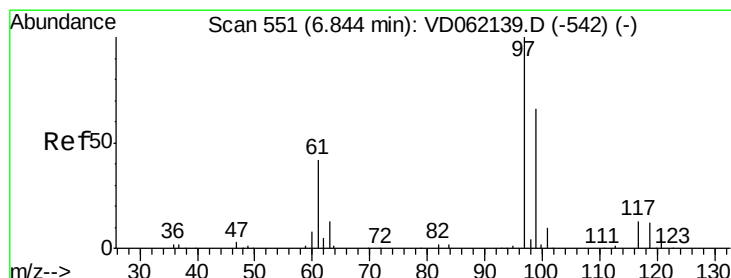
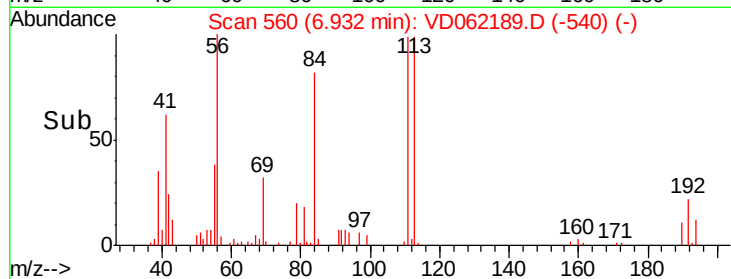
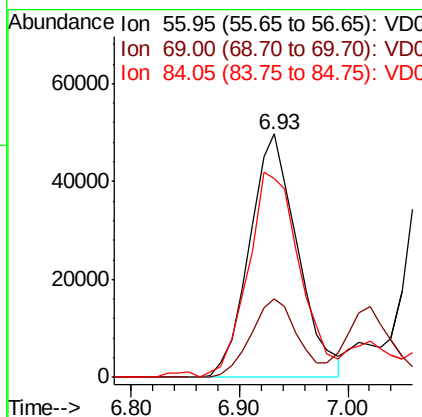
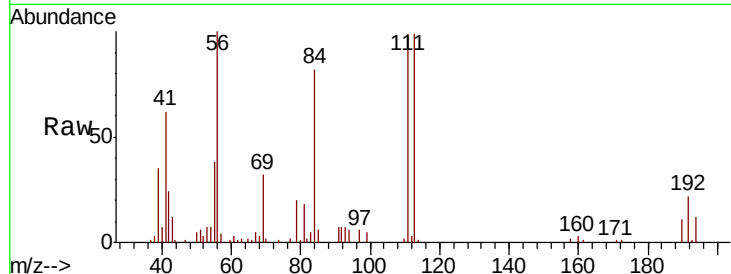




#31
Cyclohexane
Concen: 18.770 ug/l
RT: 6.93 min Scan# 560
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

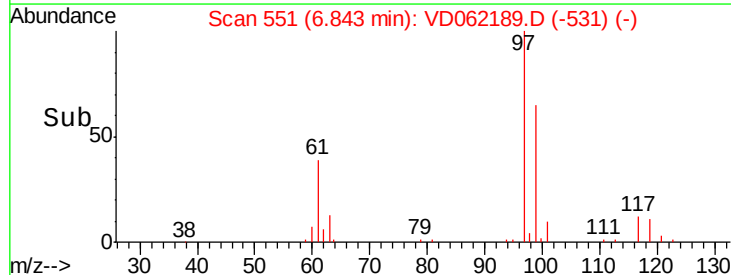
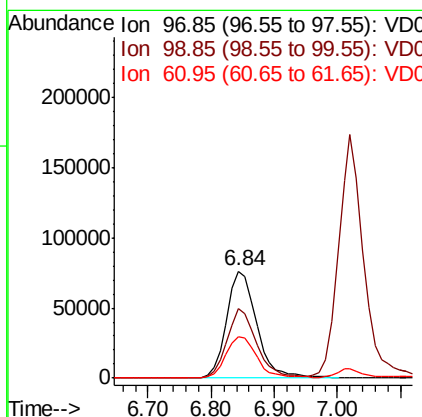
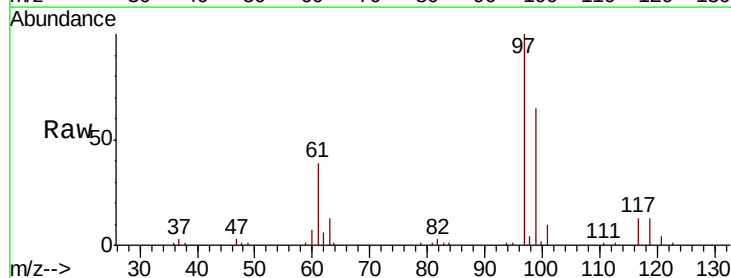
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

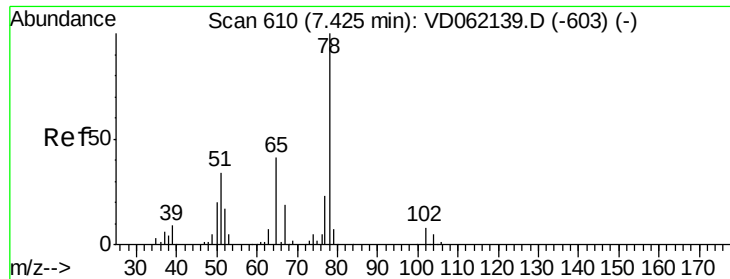
Tgt Ion: 56 Resp: 152841
Ion Ratio Lower Upper
56 100
69 32.2 25.8 38.6
84 81.7 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 18.601 ug/l
RT: 6.84 min Scan# 551
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Tgt Ion: 97 Resp: 251841
Ion Ratio Lower Upper
97 100
99 65.1 52.2 78.2
61 39.2 32.4 48.6

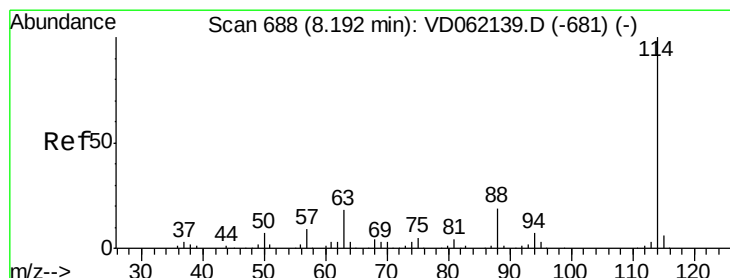
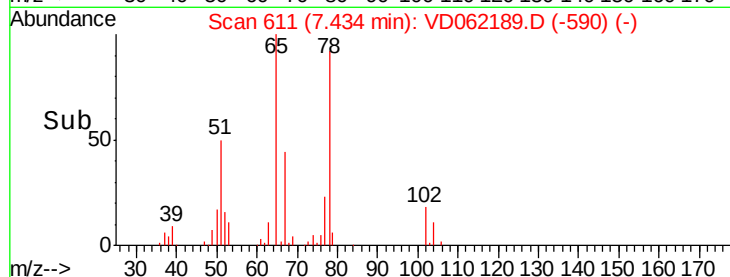
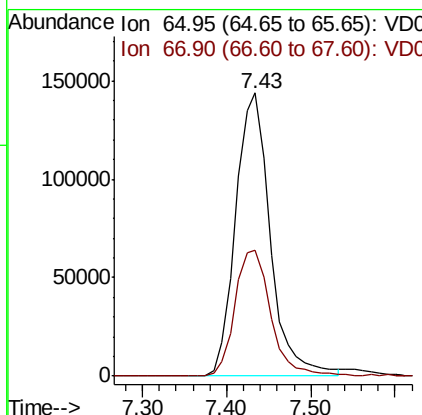
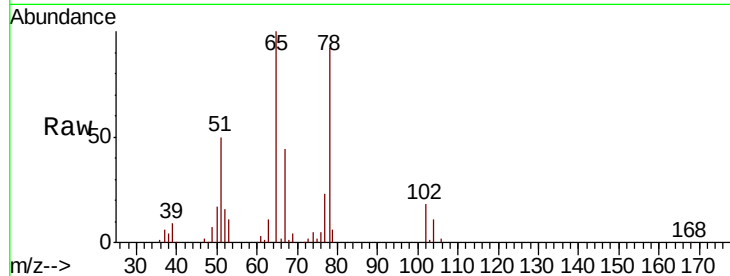




#33
 1,2-Dichloroethane-d4
 Concen: 53.124 ug/l
 RT: 7.43 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

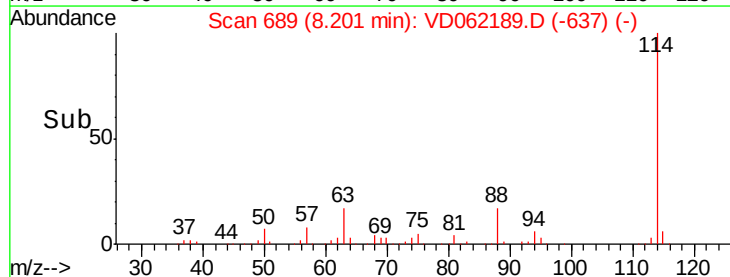
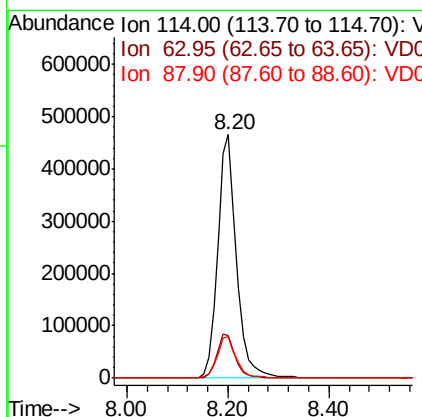
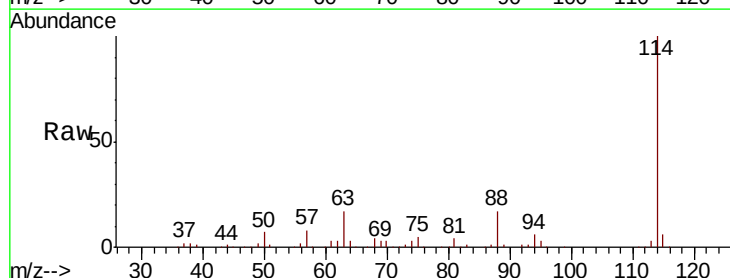
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBSD01

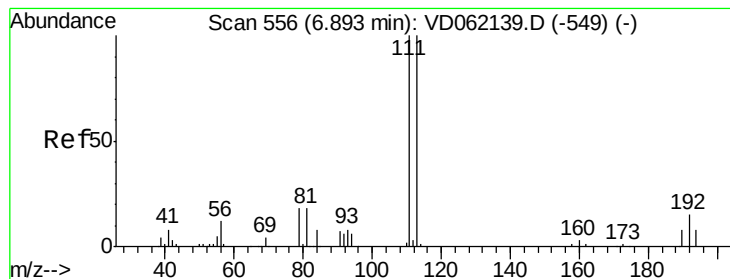
Tgt Ion: 65 Resp: 412300
 Ion Ratio Lower Upper
 65 100
 67 44.4 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

Tgt Ion: 114 Resp: 1210263
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 32.4
 88 17.2 0.0 33.6





#35

Dibromofluoromethane

Concen: 53.420 ug/l

RT: 6.90 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBSD01

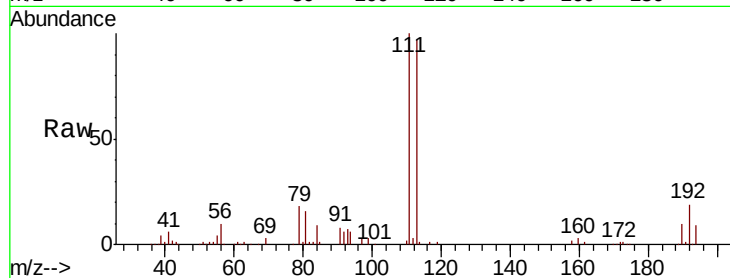
Tgt Ion:113 Resp: 536425

Ion Ratio Lower Upper

113 100

111 103.5 78.5 117.7

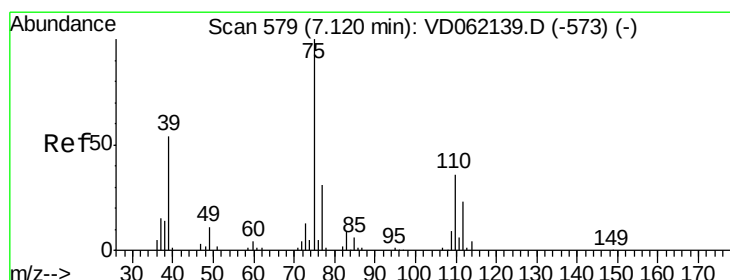
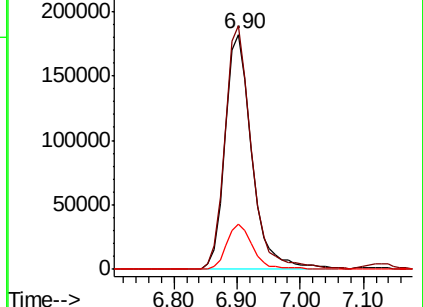
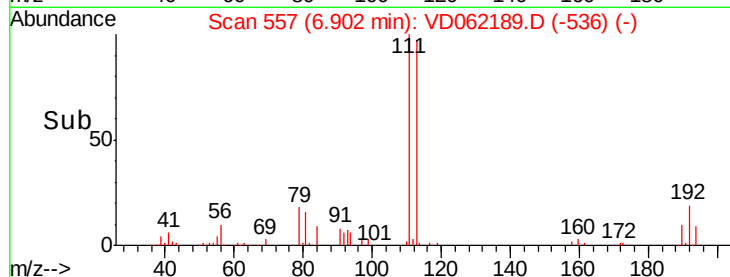
192 19.4 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 18.521 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.01 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

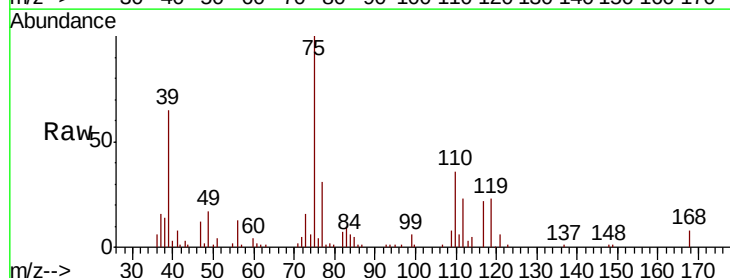
Tgt Ion: 75 Resp: 183789

Ion Ratio Lower Upper

75 100

110 35.6 19.1 57.1

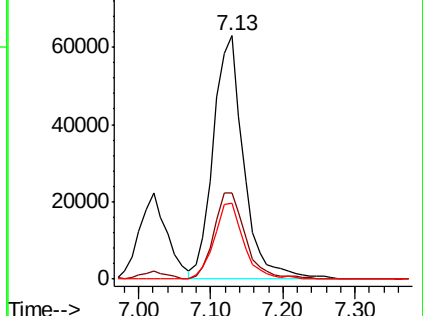
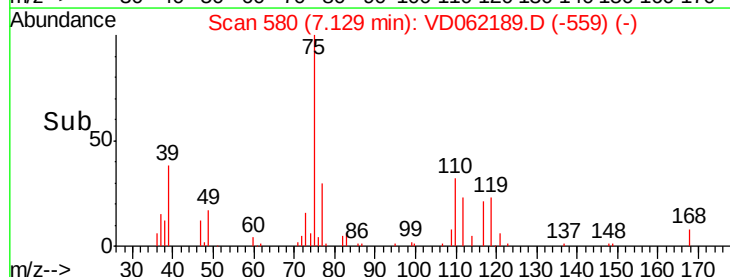
77 31.1 25.6 38.4

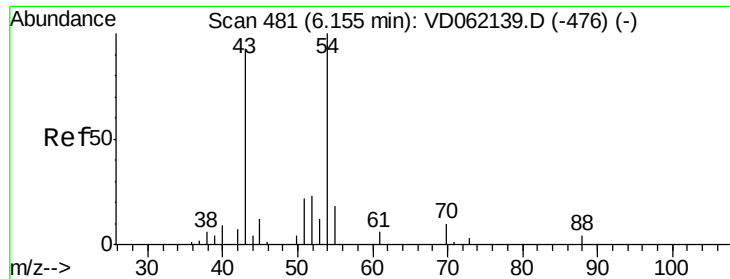


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

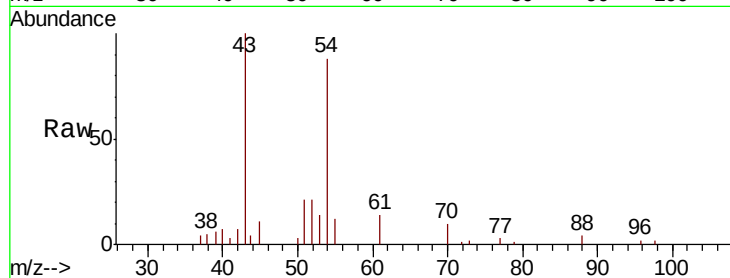




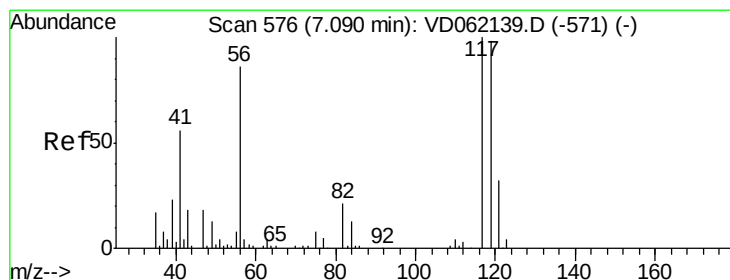
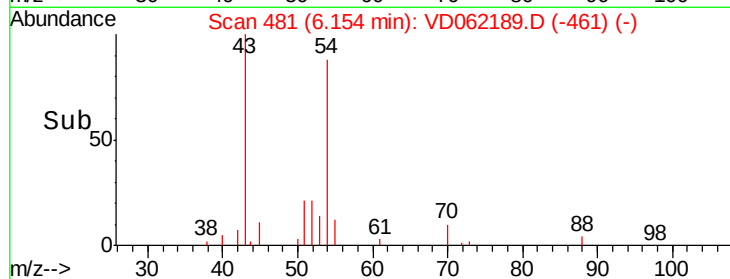
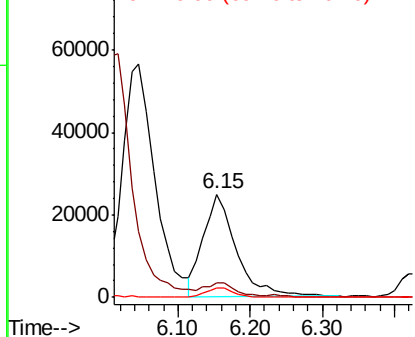
#37
Ethyl Acetate
 Concen: 18.394 ug/l
 RT: 6.15 min Scan# 481
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBSD01

Tgt Ion: 43 Resp: 77408
 Ion Ratio Lower Upper
 43 100
 61 13.9 14.7 22.1#
 70 9.7 7.8 11.6

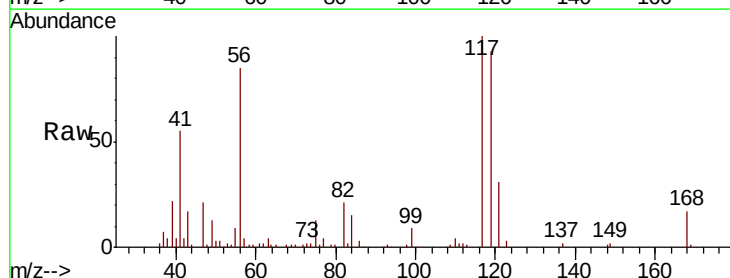


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

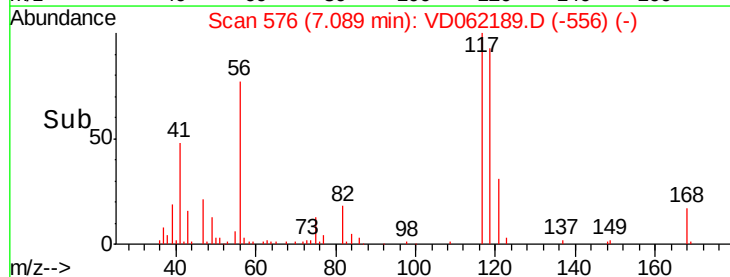
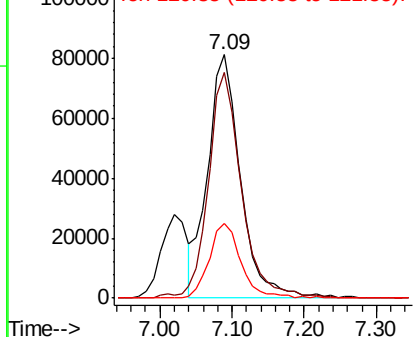


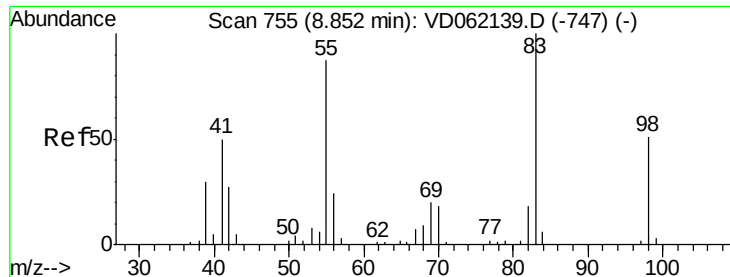
#38
Carbon Tetrachloride
 Concen: 18.467 ug/l
 RT: 7.09 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

Tgt Ion: 117 Resp: 253626
 Ion Ratio Lower Upper
 117 100
 119 92.9 75.8 113.8
 121 30.8 25.9 38.9



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

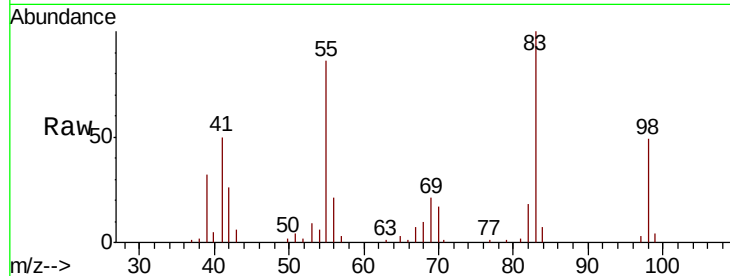




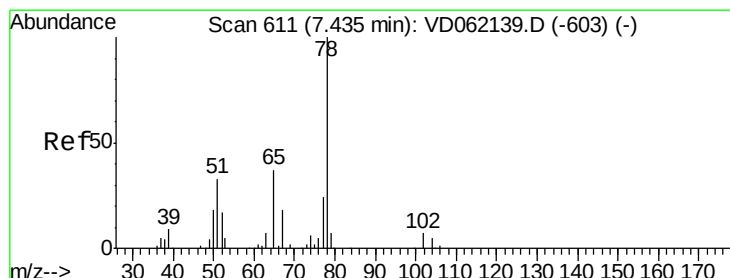
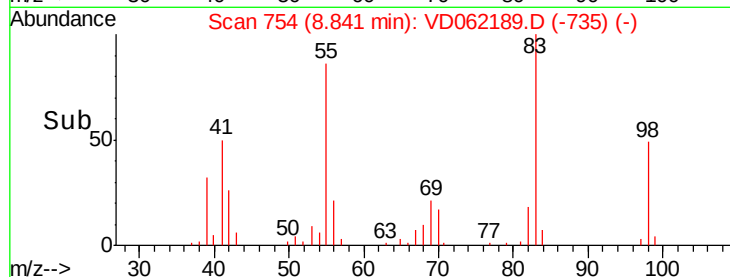
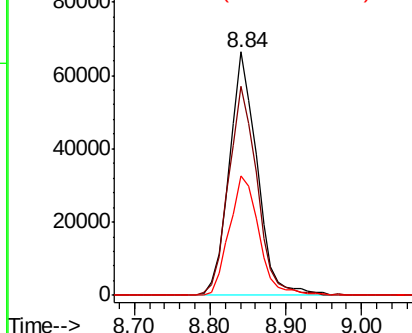
#39
Methylcyclohexane
Concen: 17.731 ug/l
RT: 8.84 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0509SBSD01

Tgt Ion: 83 Resp: 168580
Ion Ratio Lower Upper
83 100
55 86.1 68.2 102.4
98 48.9 38.2 57.4

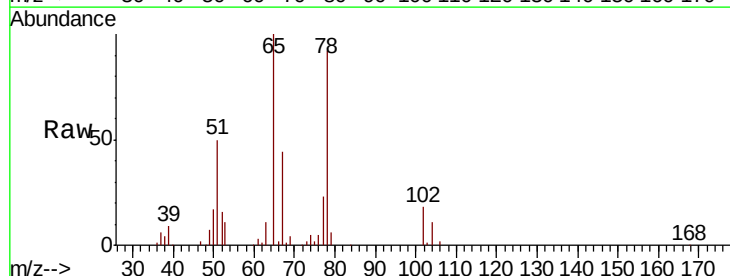


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

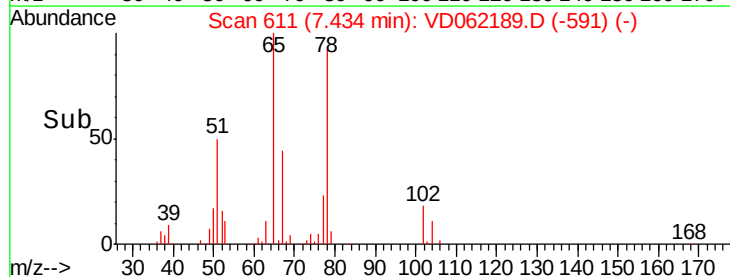
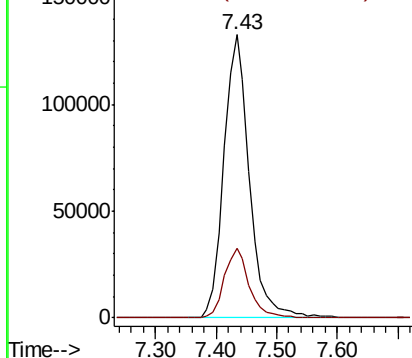


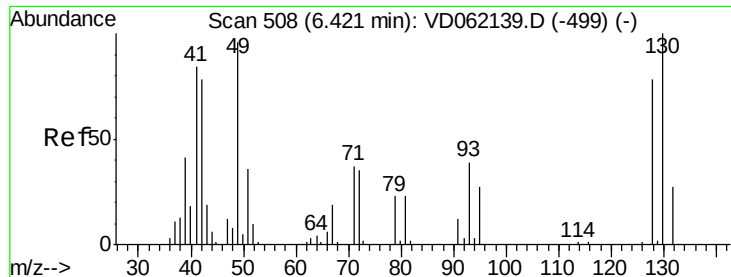
#40
Benzene
Concen: 17.315 ug/l
RT: 7.43 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Tgt Ion: 78 Resp: 387980
Ion Ratio Lower Upper
78 100
77 24.6 19.7 29.5



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





#41

Methacrylonitrile

Concen: 18.671 ug/l

RT: 6.41 min Scan# 507

Delta R.T. -0.01 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBSD01

Tgt Ion: 41 Resp: 96018

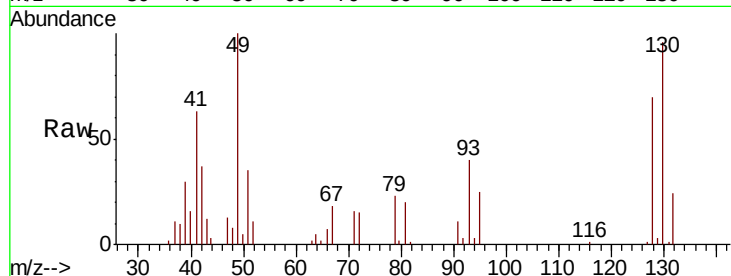
Ion Ratio Lower Upper

41 100

39 48.6 34.1 51.1

67 29.1 23.8 35.6

52 18.3 8.8 13.2#

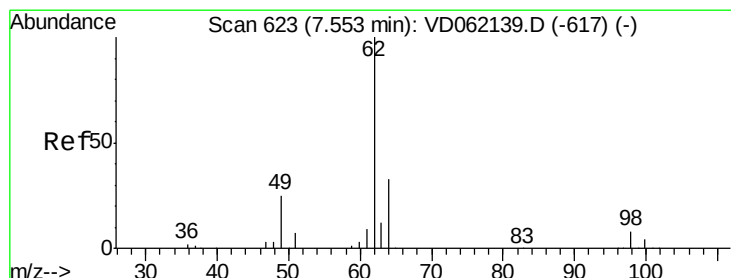
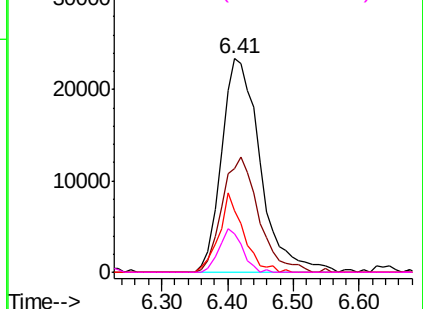
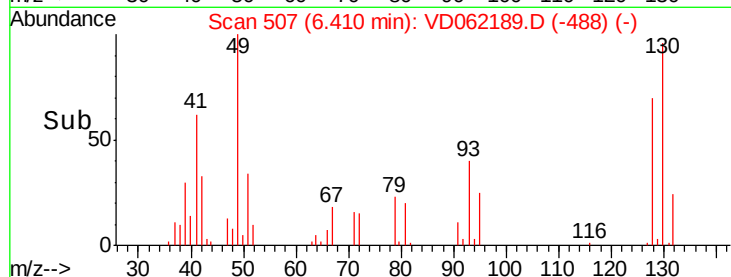


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 18.539 ug/l

RT: 7.55 min Scan# 623

Delta R.T. -0.00 min

Lab File: VD062189.D

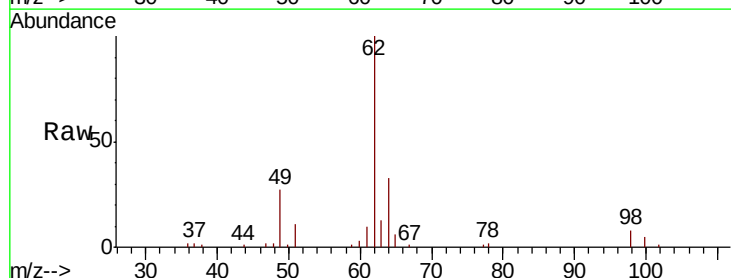
Acq: 9 May 2019 15:39

Tgt Ion: 62 Resp: 176002

Ion Ratio Lower Upper

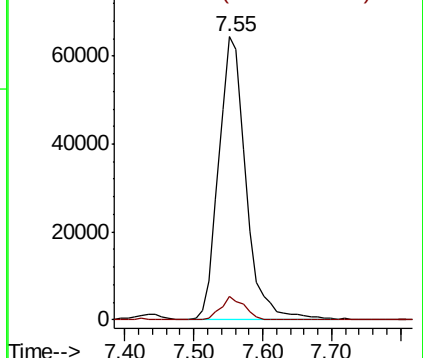
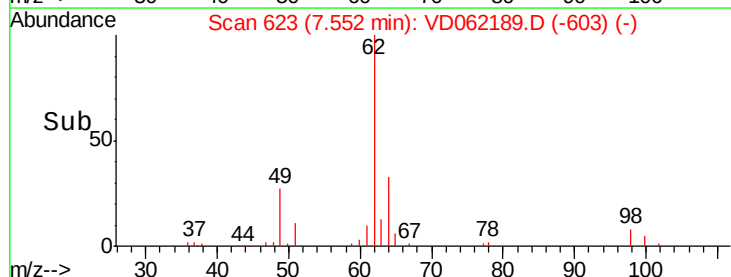
62 100

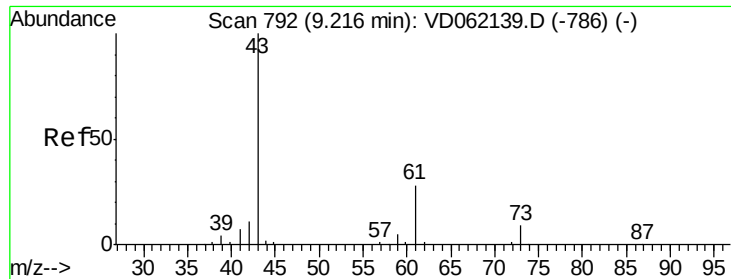
98 8.2 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 18.137 ug/l

RT: 9.21 min Scan# 792

Delta R.T. -0.00 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBSD01

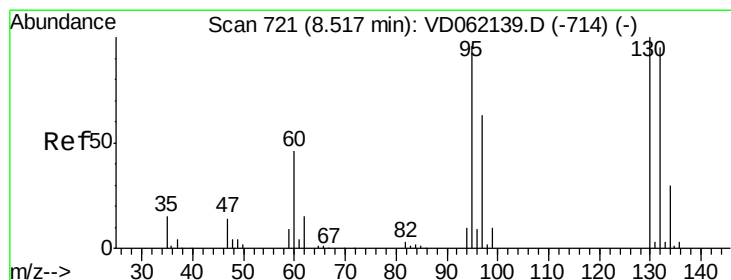
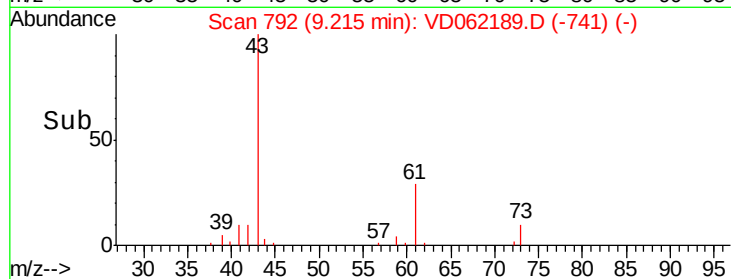
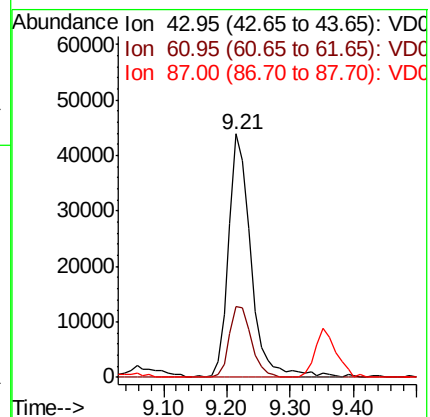
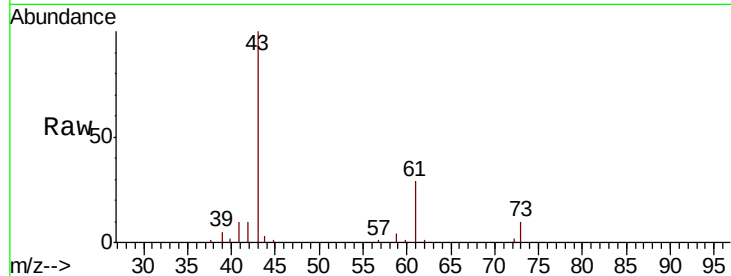
Tgt Ion: 43 Resp: 108245

Ion Ratio Lower Upper

43 100

61 29.3 25.1 37.7

87 0.0 0.0 0.0



#44

Trichloroethene

Concen: 17.465 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.00 min

Lab File: VD062189.D

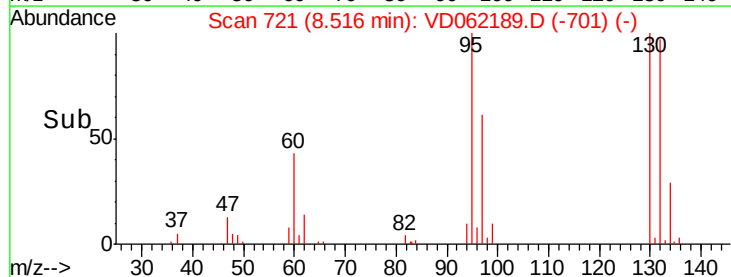
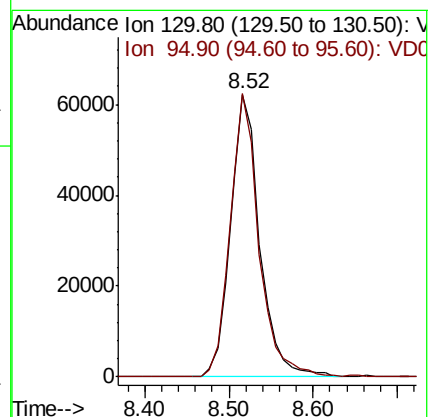
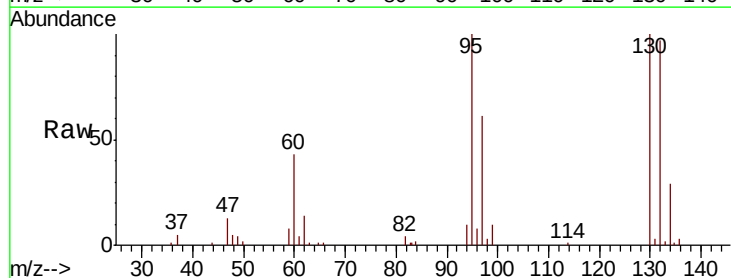
Acq: 9 May 2019 15:39

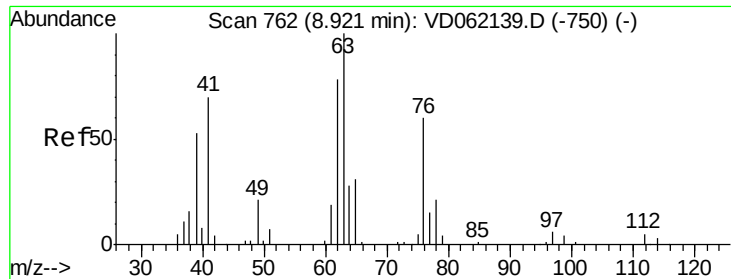
Tgt Ion: 130 Resp: 149128

Ion Ratio Lower Upper

130 100

95 100.2 0.0 174.0

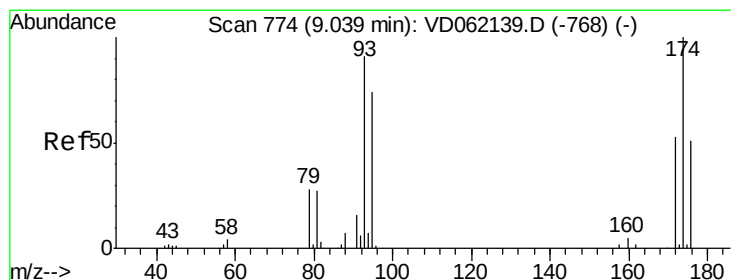
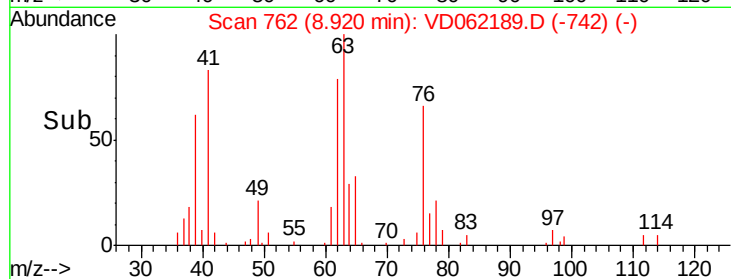
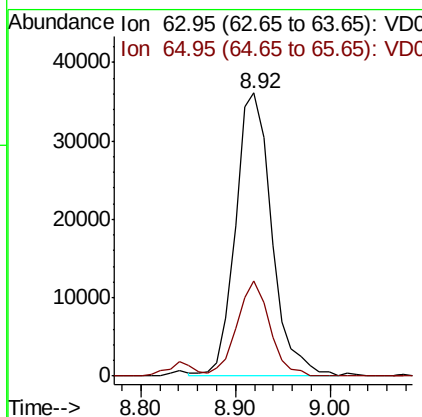
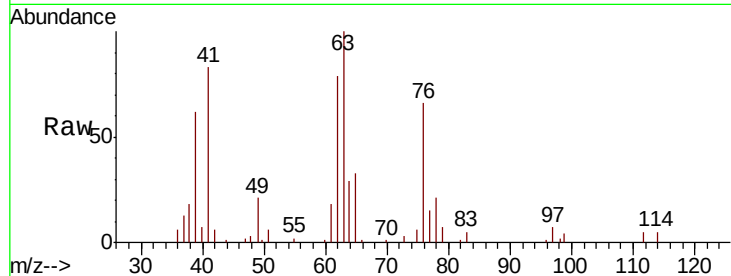




#45
 1,2-Dichloropropane
 Concen: 17.268 ug/l
 RT: 8.92 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

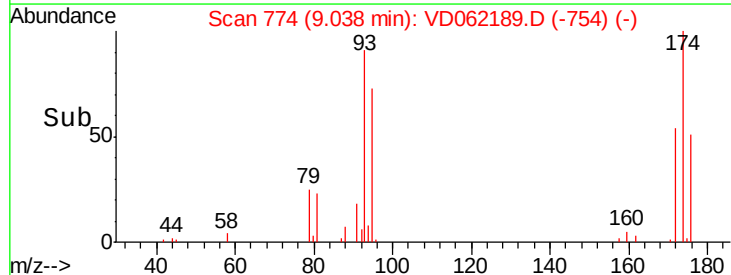
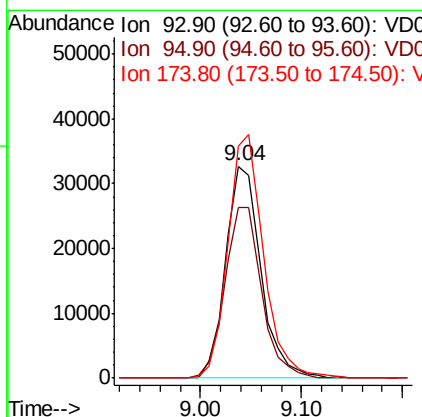
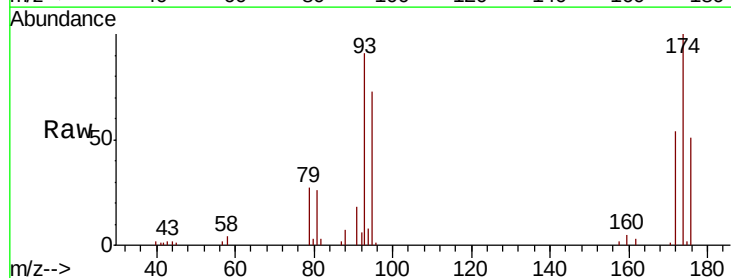
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBSD01

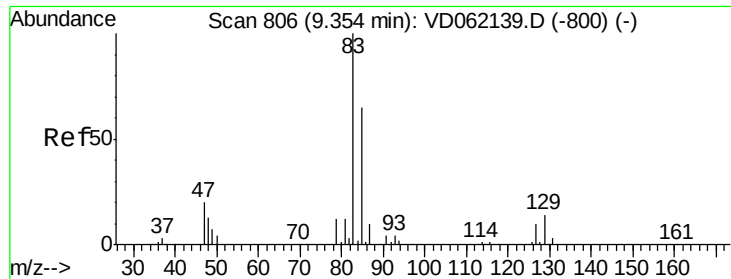
Tgt Ion: 63 Resp: 95710
 Ion Ratio Lower Upper
 63 100
 65 33.5 23.8 35.6



#46
 Dibromomethane
 Concen: 17.621 ug/l
 RT: 9.04 min Scan# 774
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

Tgt Ion: 93 Resp: 79421
 Ion Ratio Lower Upper
 93 100
 95 80.4 64.8 97.2
 174 109.7 79.3 118.9





#47

Bromodichloromethane

Concen: 17.521 ug/l

RT: 9.35 min Scan# 806

Delta R.T. -0.00 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBSD01

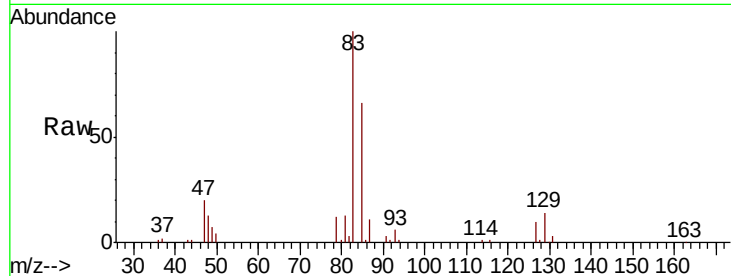
Tgt Ion: 83 Resp: 193161

Ion Ratio Lower Upper

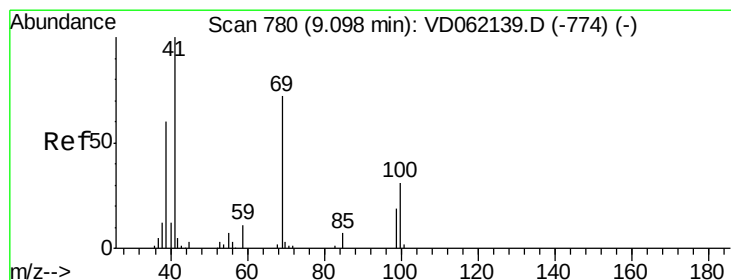
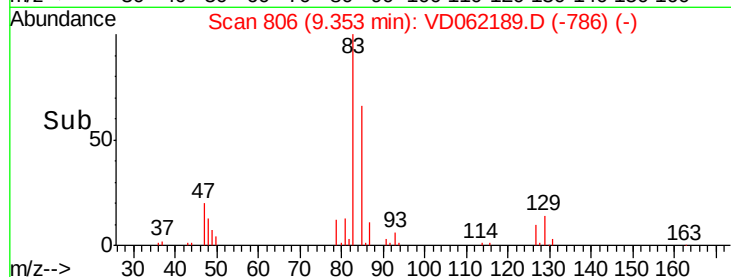
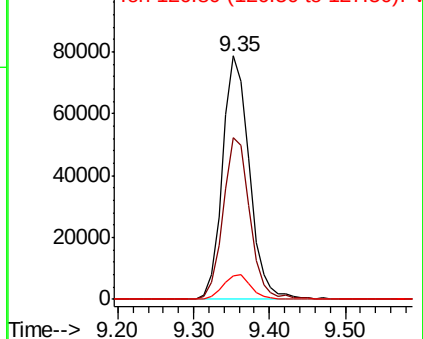
83 100

85 66.3 50.9 76.3

127 9.9 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: 19.199 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.00 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

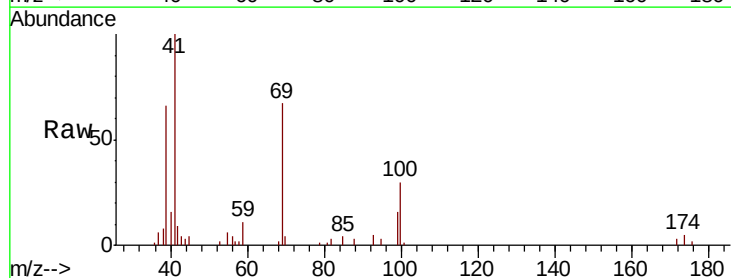
Tgt Ion: 41 Resp: 70577

Ion Ratio Lower Upper

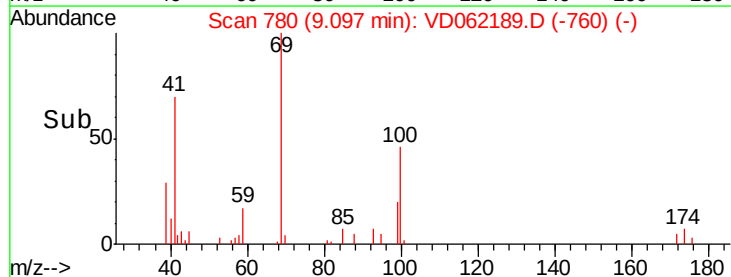
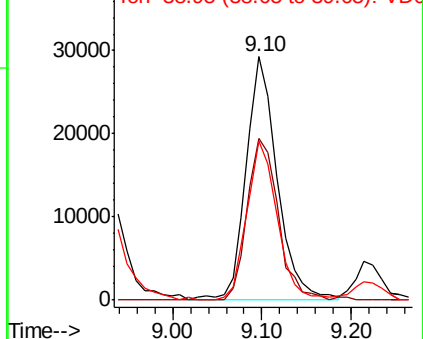
41 100

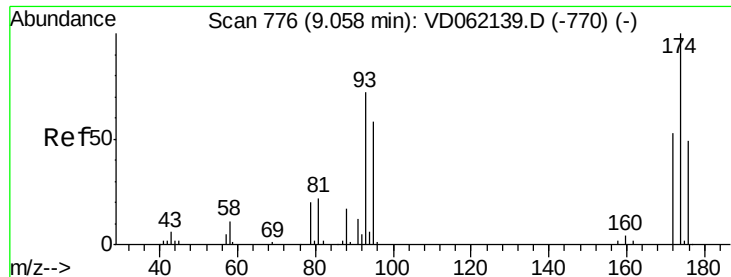
69 66.5 64.2 96.2

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

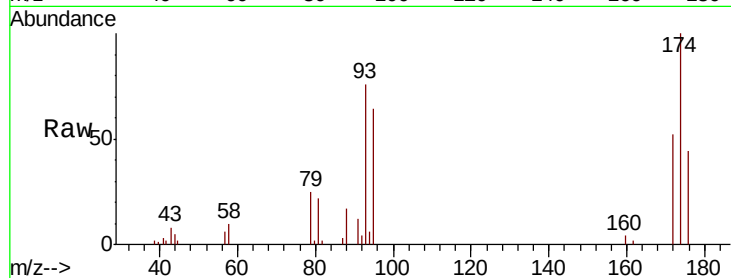




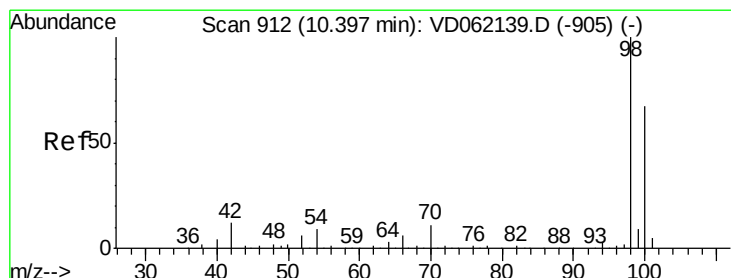
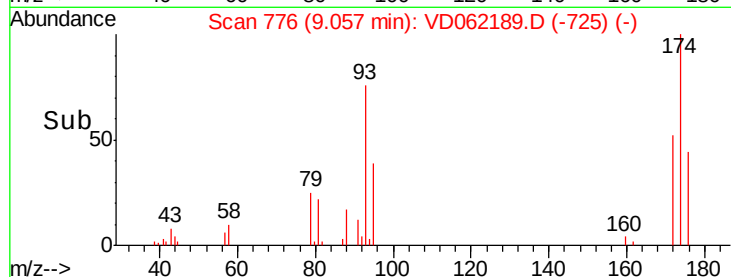
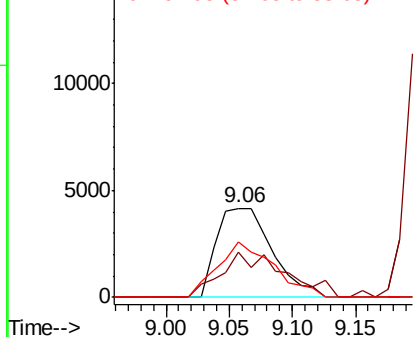
#49
1,4-Dioxane
Concen: 321.627 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0509SBSD01

Tgt Ion: 88 Resp: 12757
Ion Ratio Lower Upper
88 100
43 50.5 23.4 35.0#
58 61.5 44.0 66.0

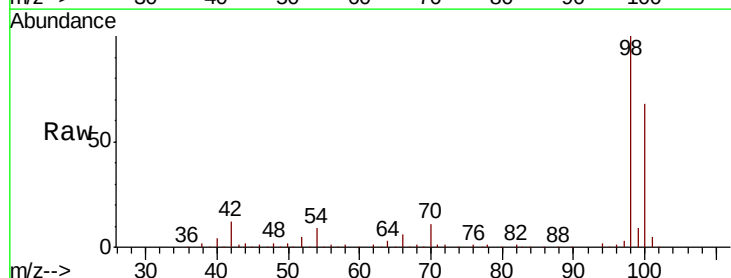


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

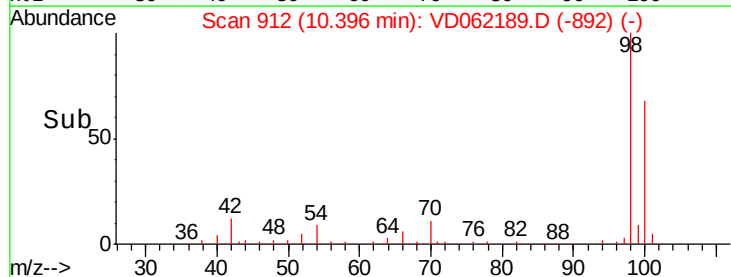
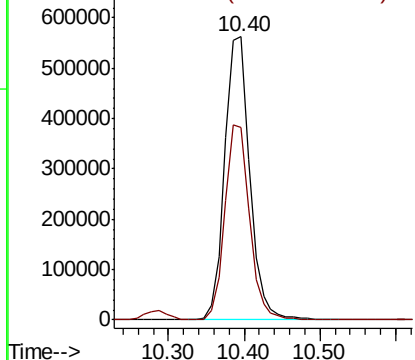


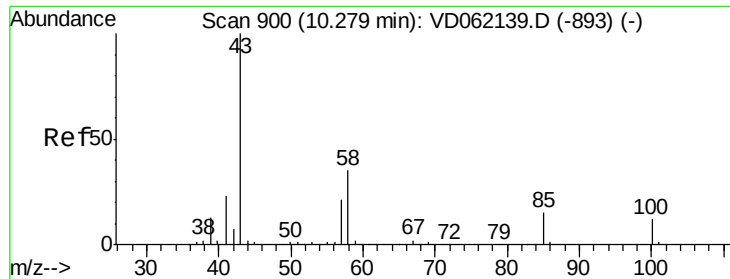
#50
Toluene-d8
Concen: 53.247 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Tgt Ion: 98 Resp: 1289171
Ion Ratio Lower Upper
98 100
100 67.9 53.8 80.8



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

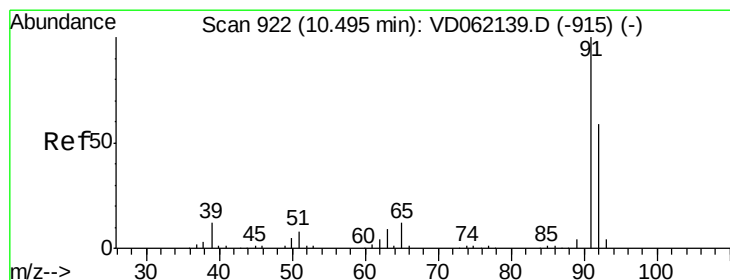
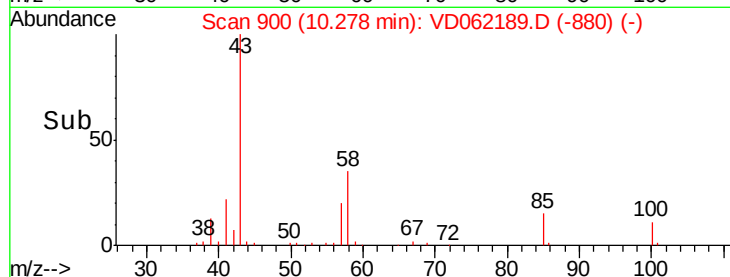
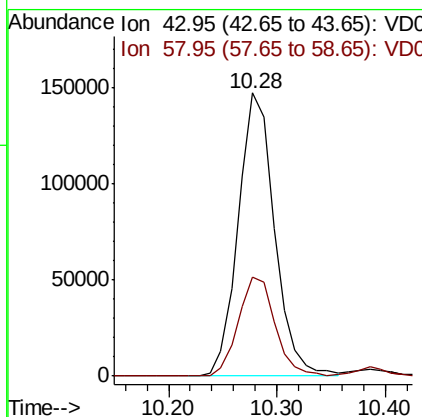
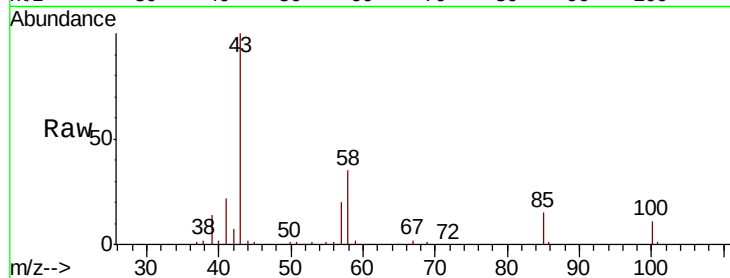




#51
4-Methyl-2-Pentanone
Concen: 89.711 ug/l
RT: 10.28 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

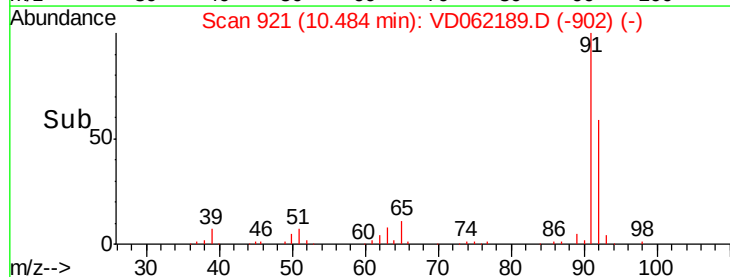
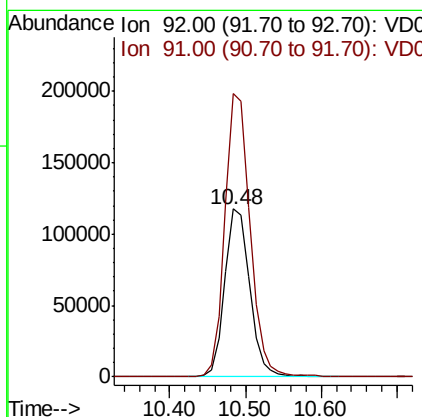
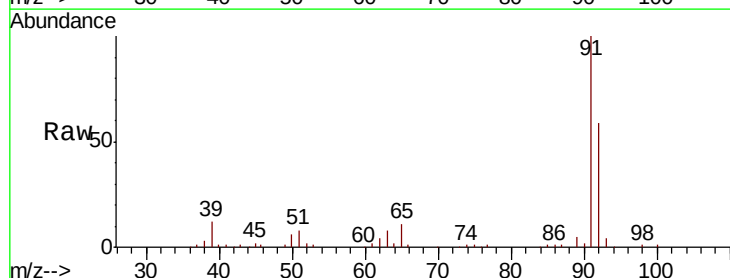
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

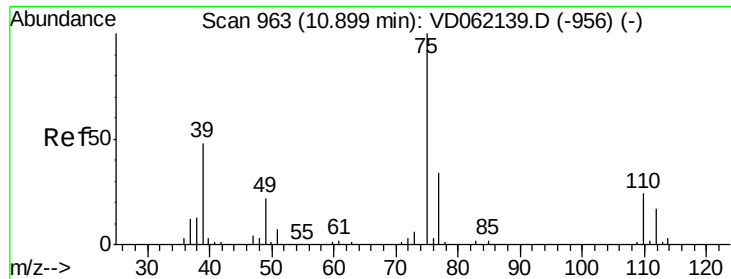
Tgt Ion: 43 Resp: 344167
Ion Ratio Lower Upper
43 100
58 35.1 30.4 45.6



#52
Toluene
Concen: 18.458 ug/l
RT: 10.48 min Scan# 921
Delta R.T. -0.01 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Tgt Ion: 92 Resp: 269101
Ion Ratio Lower Upper
92 100
91 168.9 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 18.037 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.00 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

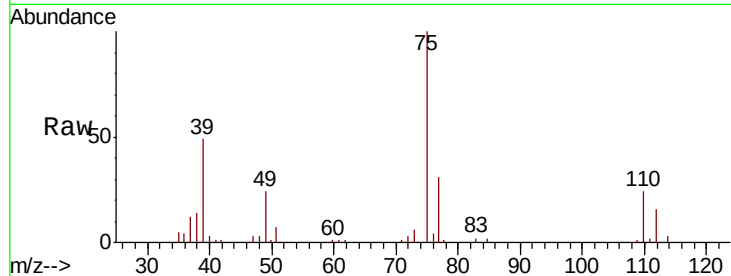
VD0509SBSD01

Tgt Ion: 75 Resp: 171861

Ion Ratio Lower Upper

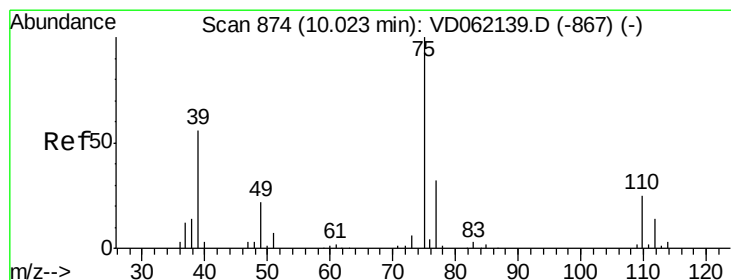
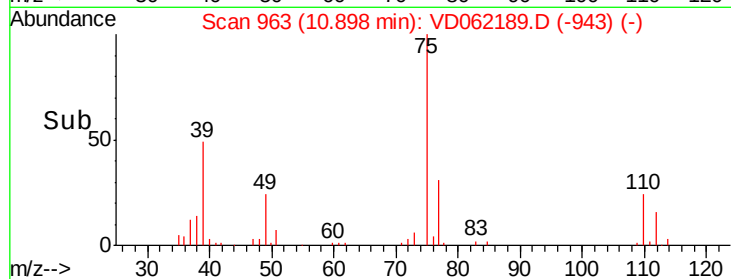
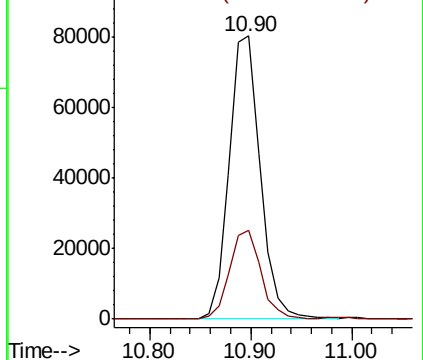
75 100

77 31.4 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 17.507 ug/l

RT: 10.02 min Scan# 874

Delta R.T. -0.00 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

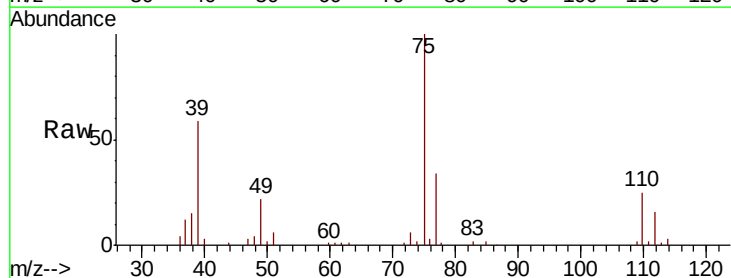
Tgt Ion: 75 Resp: 181974

Ion Ratio Lower Upper

75 100

77 33.6 25.5 38.3

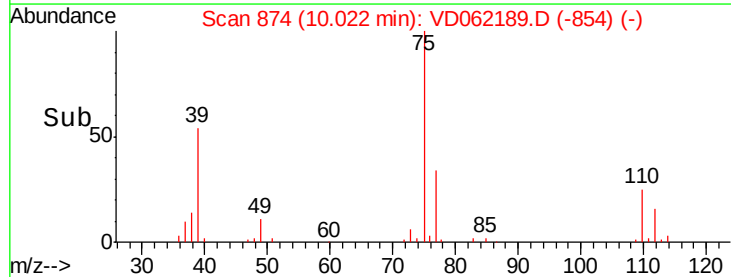
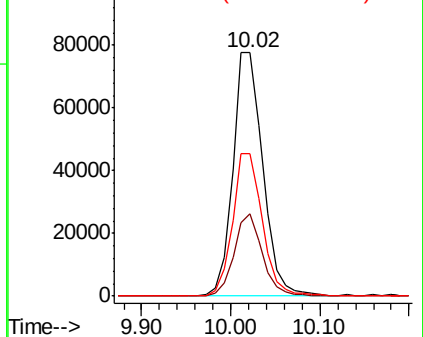
39 58.5 39.4 59.2

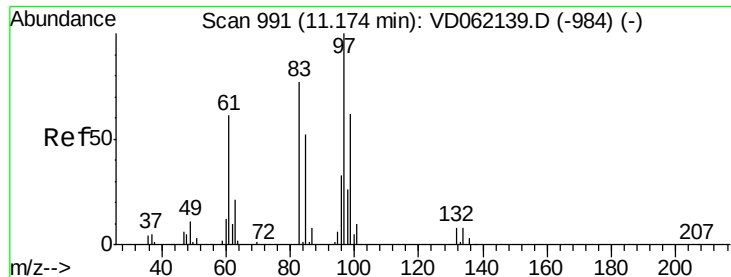


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

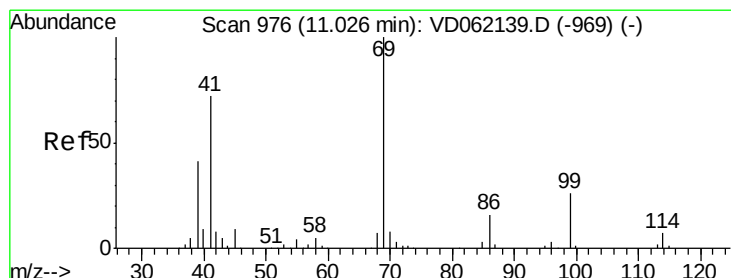
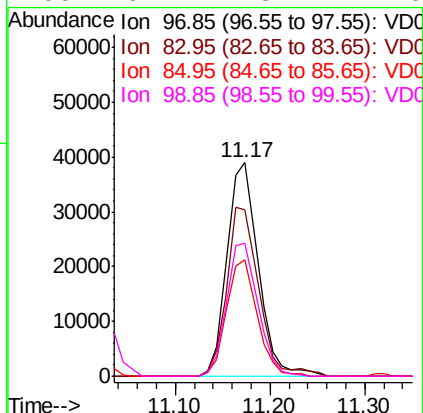
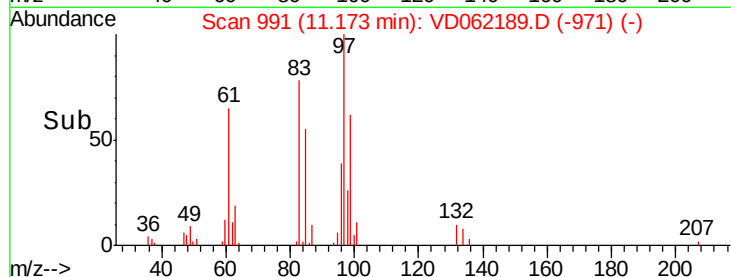
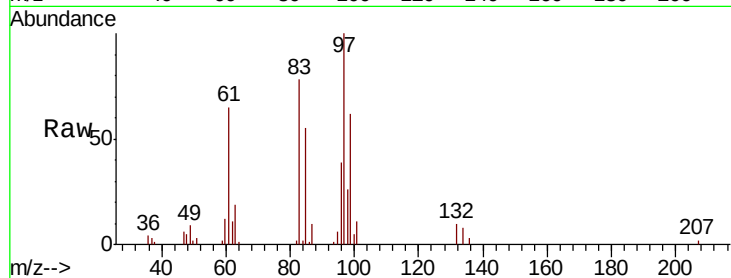




#55
 1,1,2-Trichloroethane
 Concen: 17.292 ug/l
 RT: 11.17 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

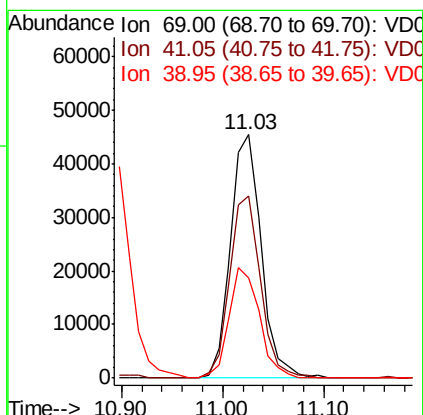
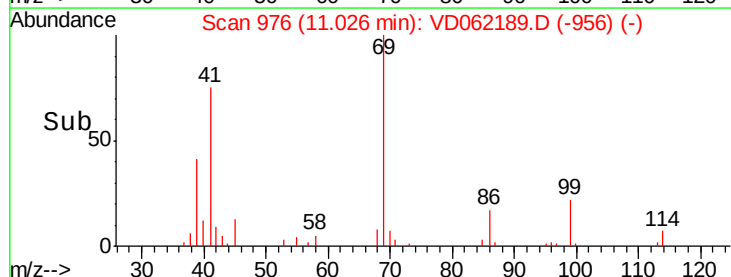
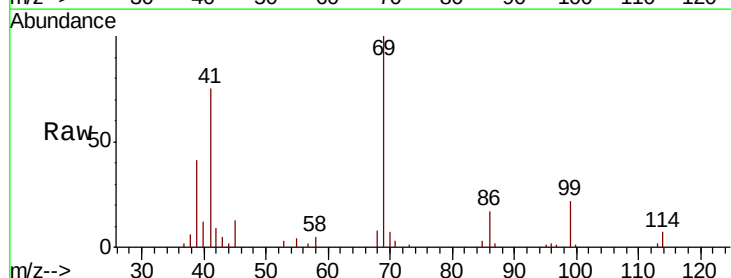
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBSD01

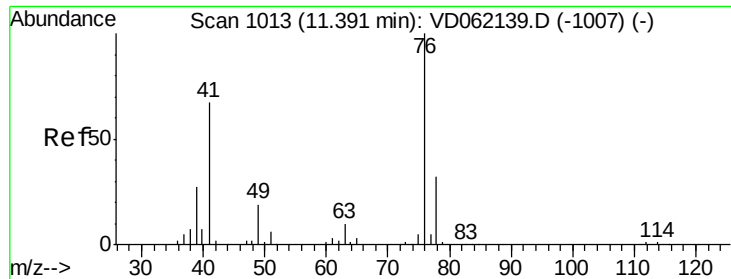
Tgt Ion:	97	Resp:	89200
Ion	Ratio	Lower	Upper
97	100		
83	78.1	65.7	98.5
85	54.6	45.6	68.4
99	62.4	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 17.899 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

Tgt Ion:	69	Resp:	95947
Ion	Ratio	Lower	Upper
69	100		
41	75.0	56.3	84.5
39	41.2	29.4	44.2

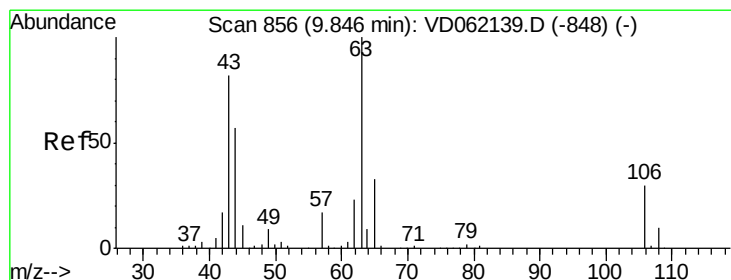
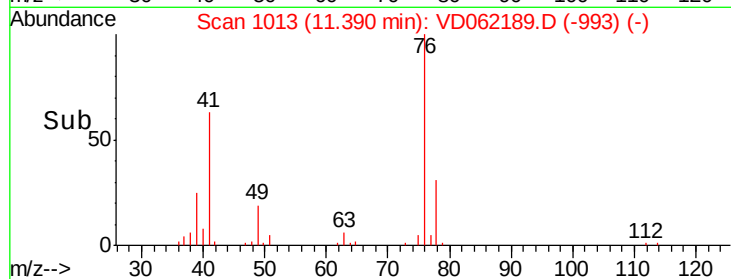
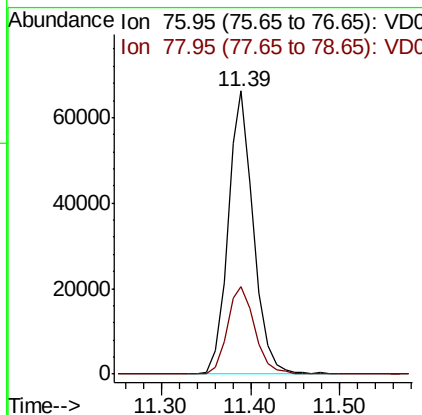
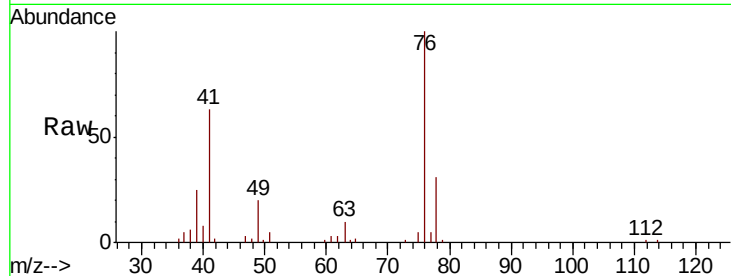




#57
 1,3-Dichloropropane
 Concen: 16.836 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

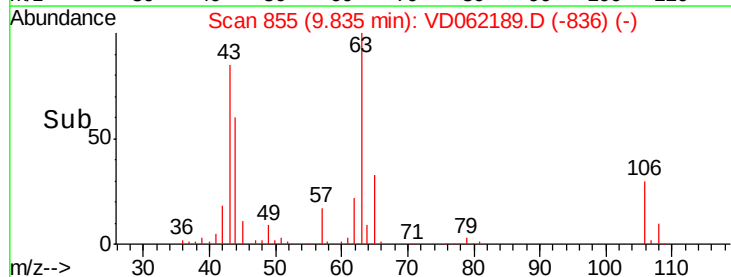
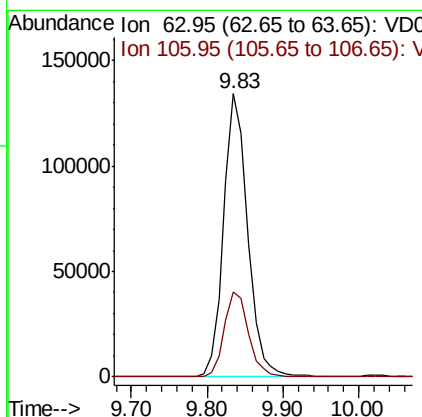
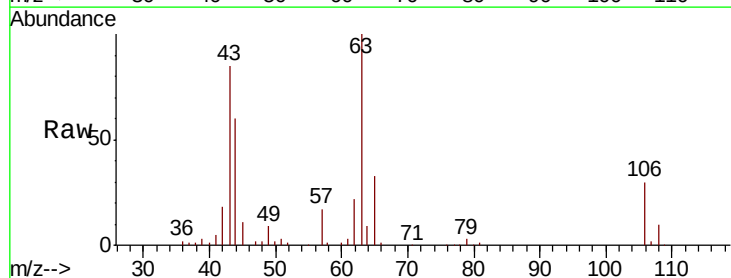
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBSD01

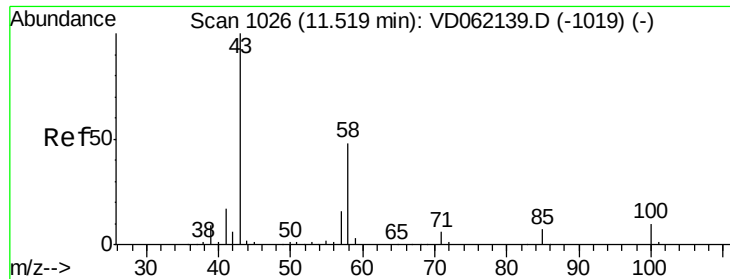
Tgt Ion: 76 Resp: 131205
 Ion Ratio Lower Upper
 76 100
 78 30.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.966 ug/l
 RT: 9.83 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

Tgt Ion: 63 Resp: 295631
 Ion Ratio Lower Upper
 63 100
 106 30.0 22.6 34.0

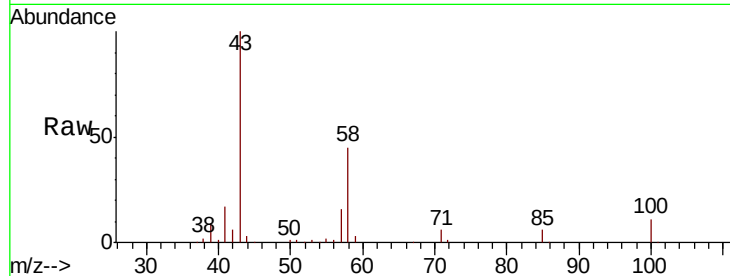




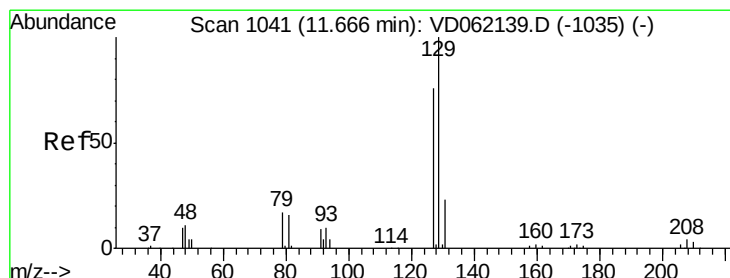
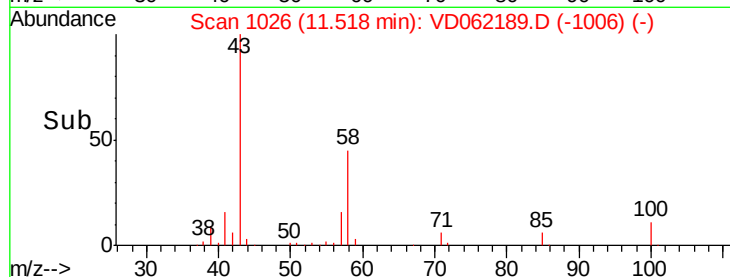
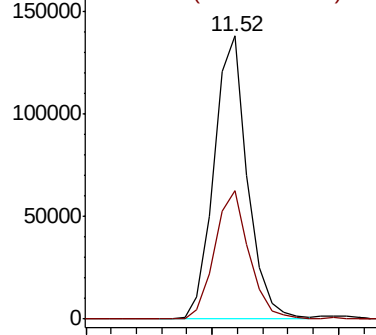
#59
2-Hexanone
Concen: 89.813 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0509SBS01

Tgt Ion: 43 Resp: 253953
Ion Ratio Lower Upper
43 100
58 45.2 25.4 76.4

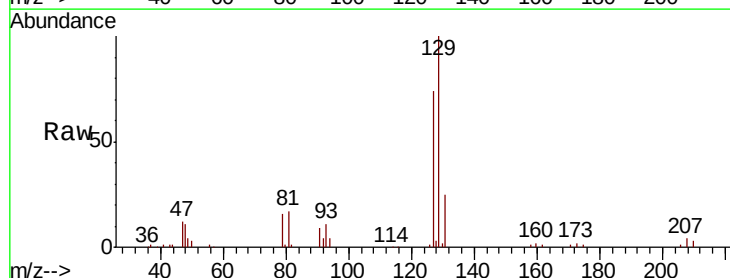


Abundance Ion 42.95 (42.65 to 43.65): VD062189.D (-1019) (-)
Ion 57.95 (57.65 to 58.65): VD062189.D (-1019) (-)

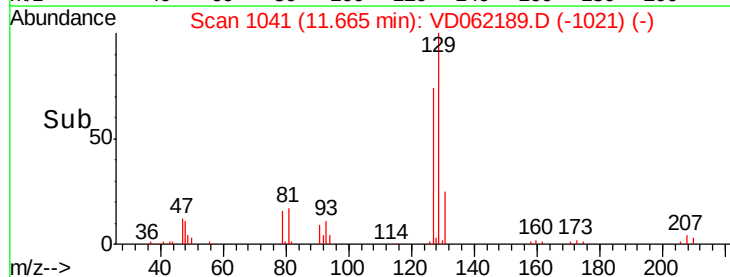
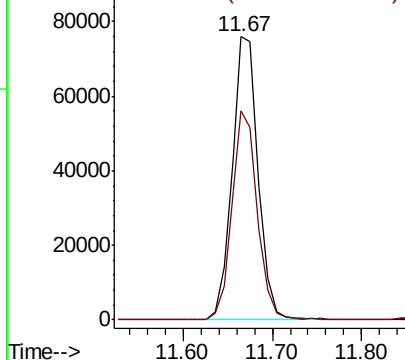


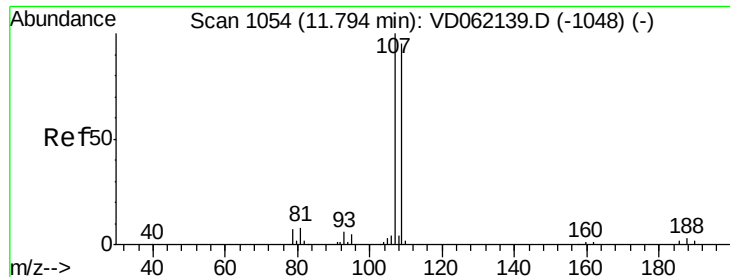
#60
Dibromochloromethane
Concen: 17.393 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Tgt Ion: 129 Resp: 155059
Ion Ratio Lower Upper
129 100
127 73.8 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): VD062189.D (-1035) (-)
Ion 126.80 (126.50 to 127.50): VD062189.D (-1035) (-)

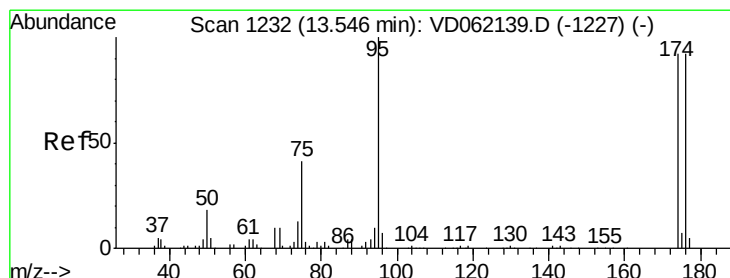
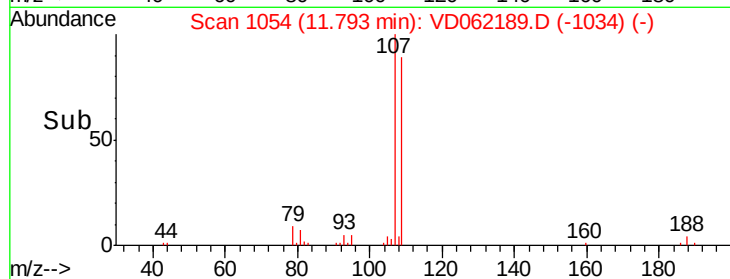
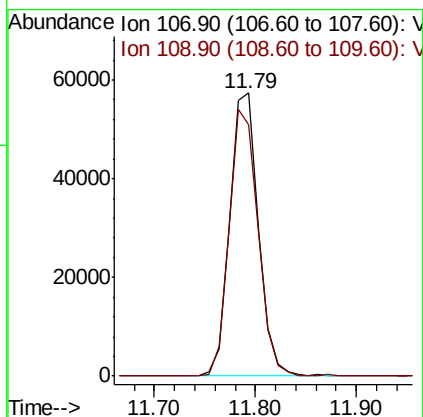
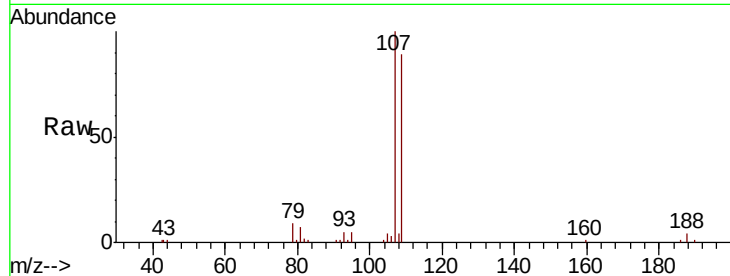




#61
 1,2-Dibromoethane
 Concen: 17.880 ug/l
 RT: 11.79 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

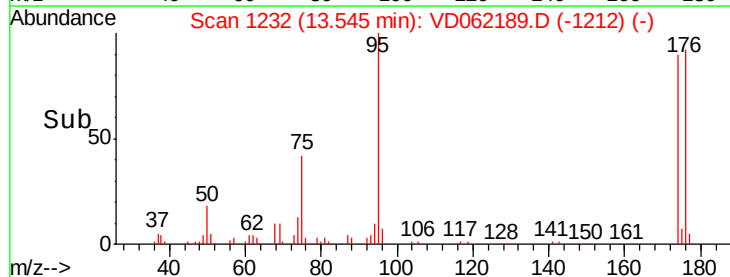
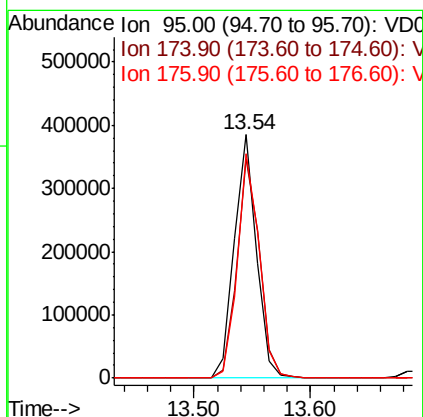
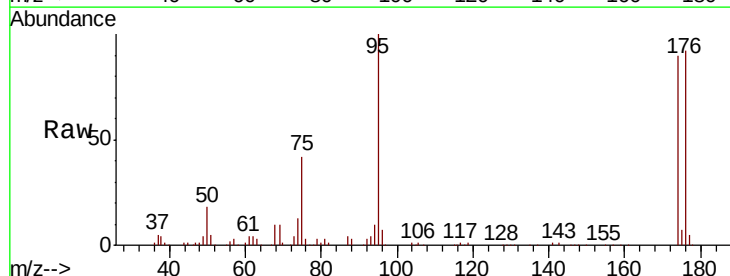
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBSD01

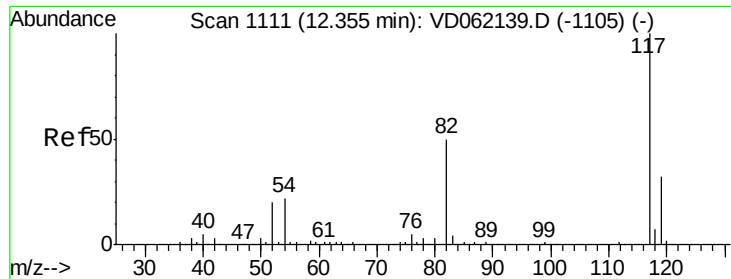
Tgt Ion: 107 Resp: 112133
 Ion Ratio Lower Upper
 107 100
 109 89.0 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 52.020 ug/l
 RT: 13.54 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

Tgt Ion: 95 Resp: 505755
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 181.8
 176 92.1 0.0 174.4

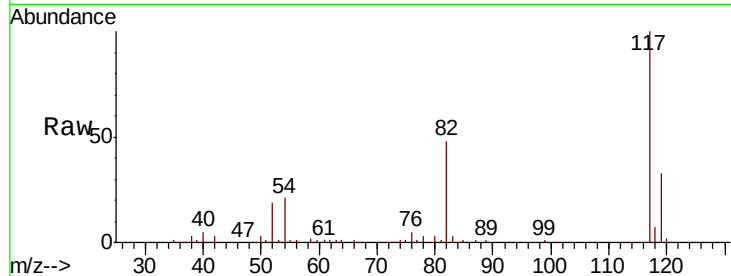




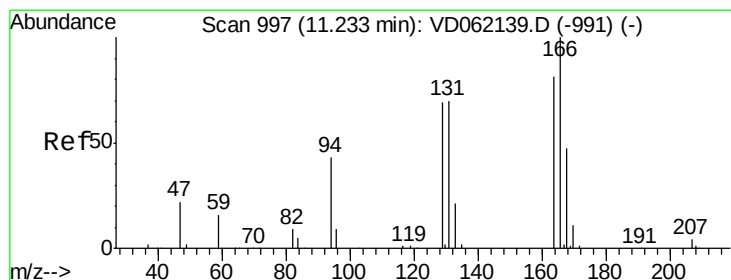
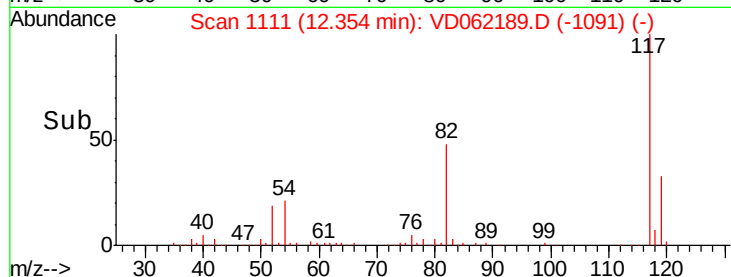
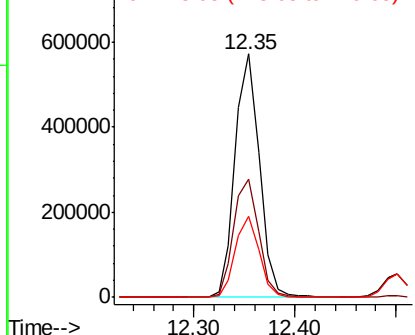
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0509SBSD01

Tgt Ion:117 Resp: 964889
Ion Ratio Lower Upper
117 100
82 48.5 36.2 54.2
119 33.2 26.2 39.4

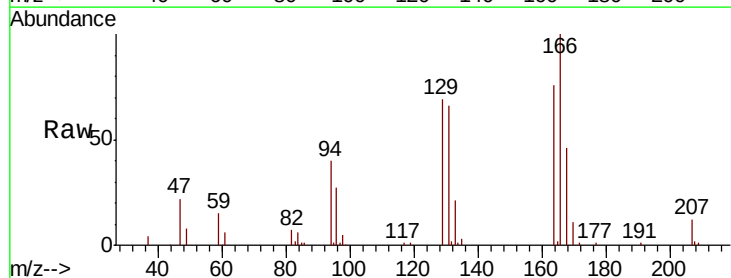


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

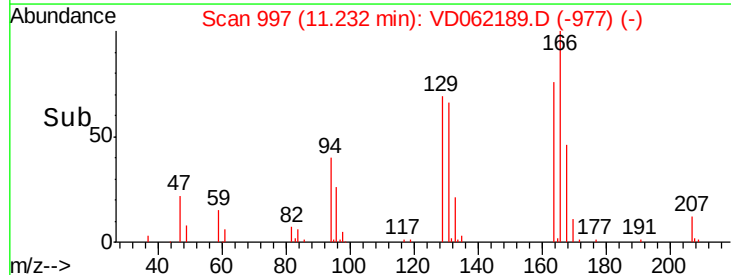
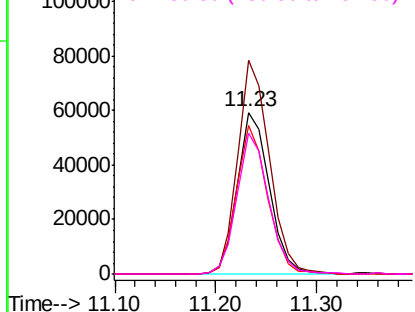


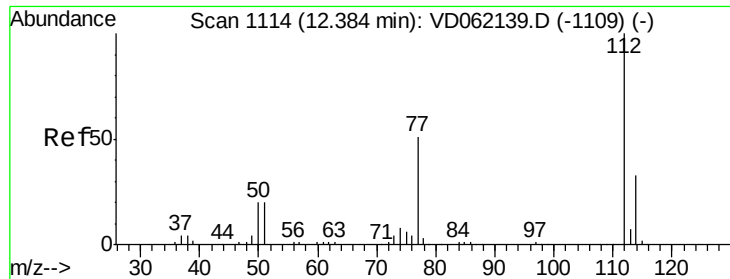
#64
Tetrachloroethene
Concen: 17.419 ug/l
RT: 11.23 min Scan# 997
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Tgt Ion:164 Resp: 131430
Ion Ratio Lower Upper
164 100
166 132.1 101.5 152.3
129 91.6 74.6 112.0
131 87.1 72.6 108.8



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

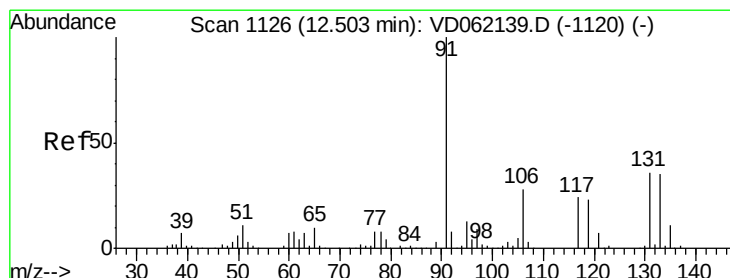
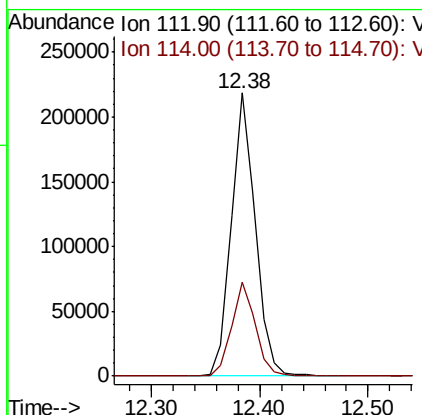
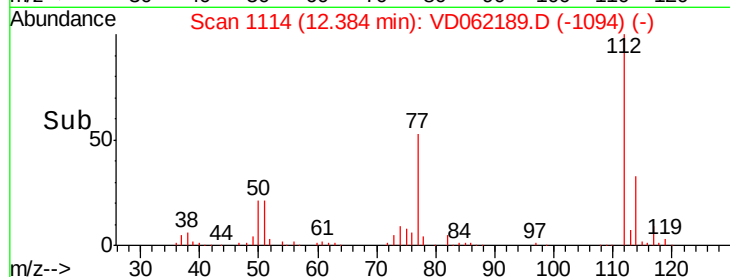
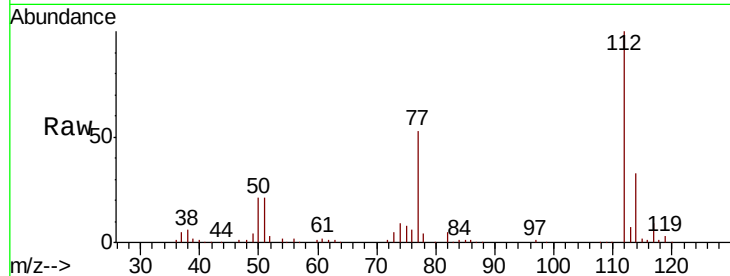




#65
Chlorobenzene
Concen: 18.765 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

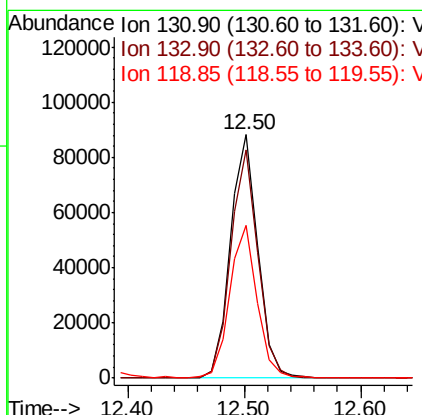
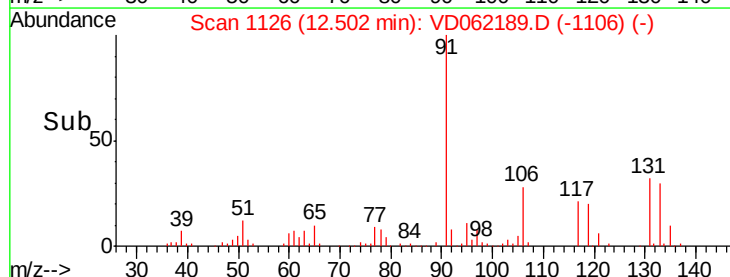
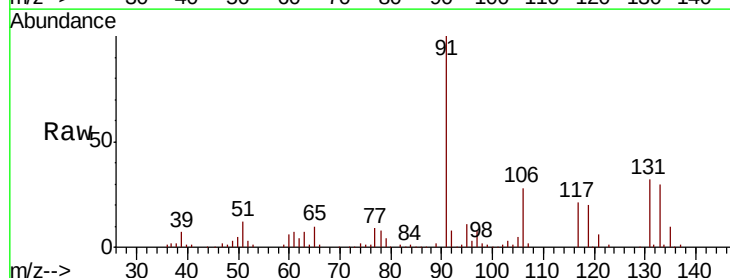
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBSD01

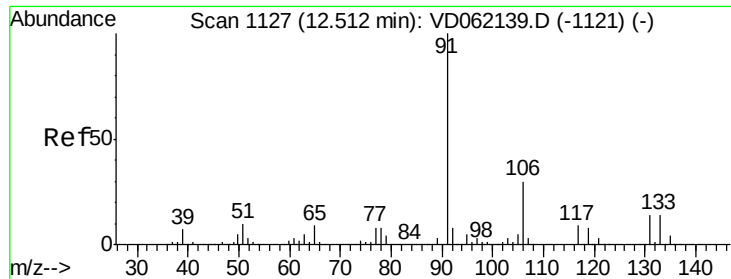
Tgt Ion:112 Resp: 337230
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.341 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Tgt Ion:131 Resp: 143452
Ion Ratio Lower Upper
131 100
133 93.9 48.6 145.8
119 62.5 34.7 104.1

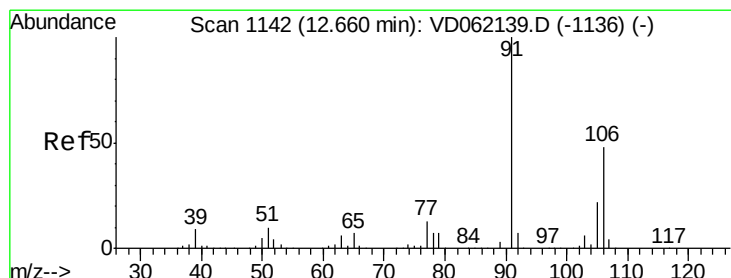
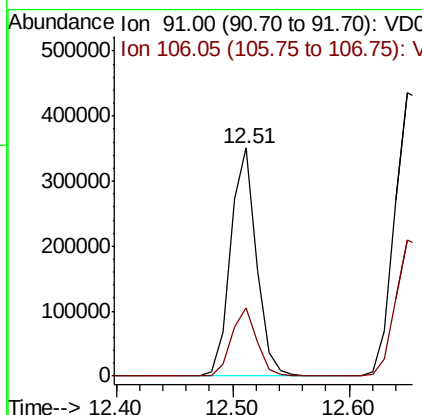
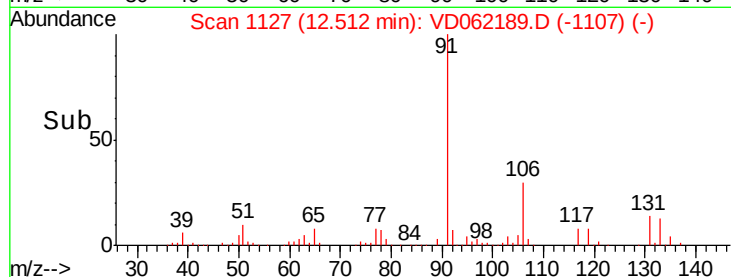
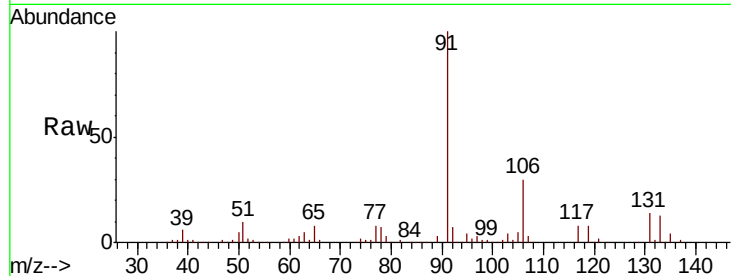




#67
Ethyl Benzene
Concen: 17.876 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

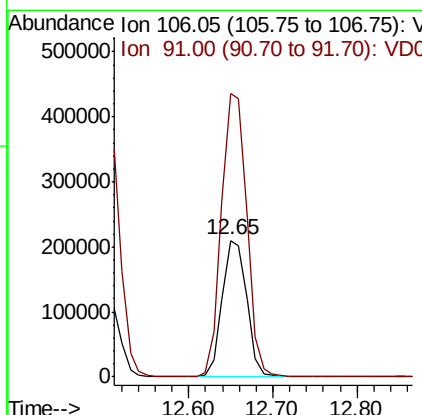
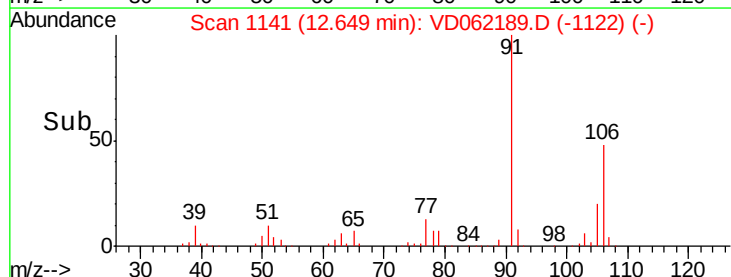
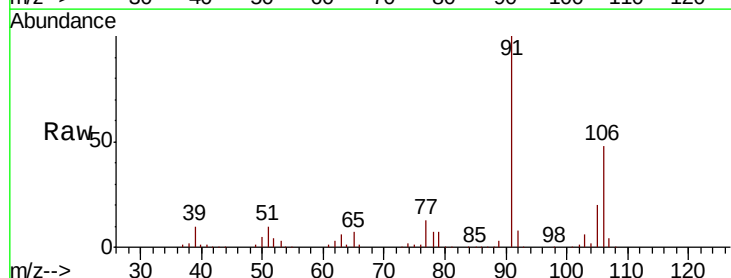
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBSD01

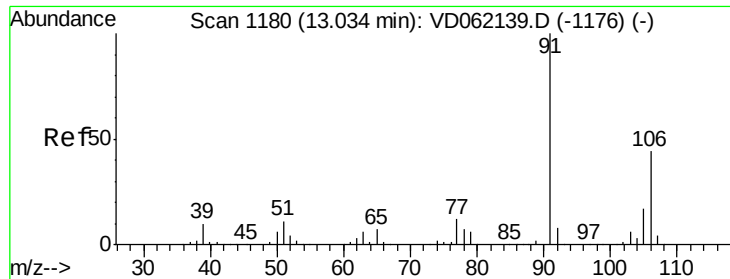
Tgt Ion: 91 Resp: 537821
Ion Ratio Lower Upper
91 100
106 30.1 24.7 37.1



#68
m/p-Xylenes
Concen: 38.746 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Tgt Ion: 106 Resp: 424123
Ion Ratio Lower Upper
106 100
91 207.1 164.0 246.0

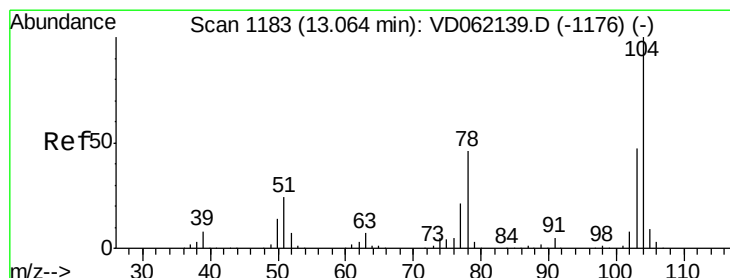
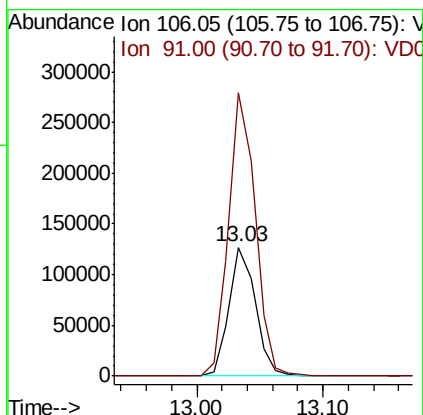
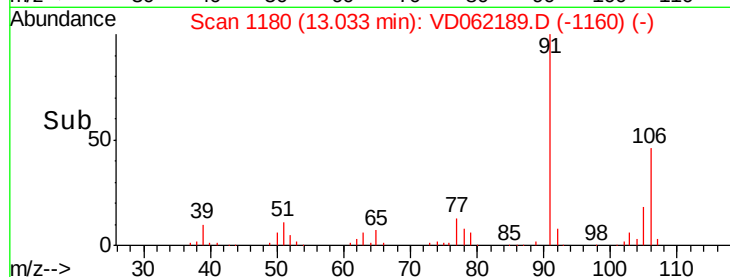
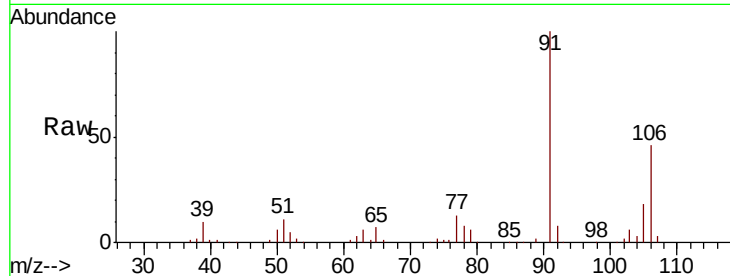




#69
o-Xylene
Concen: 18.088 ug/l
RT: 13.03 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

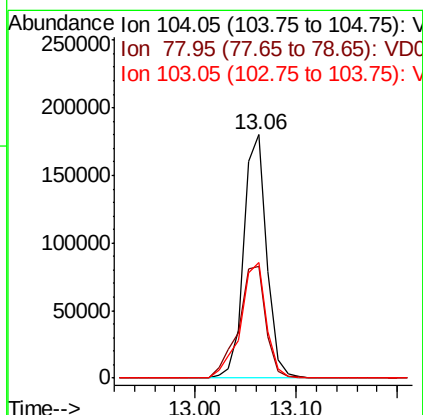
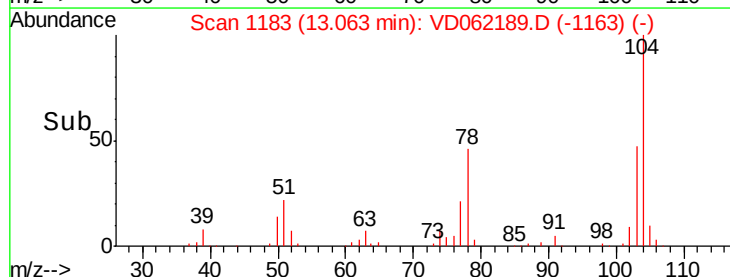
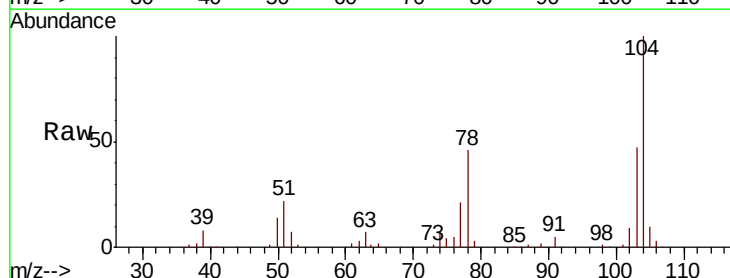
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBSD01

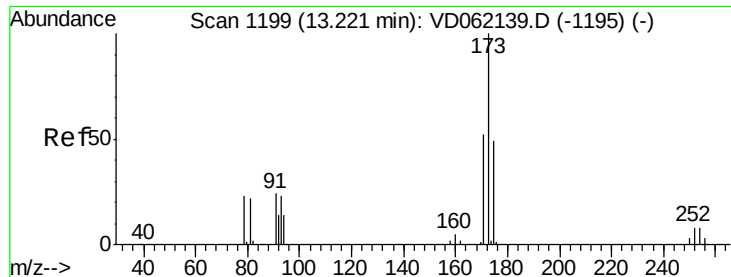
Tgt Ion:106 Resp: 184076
Ion Ratio Lower Upper
106 100
91 219.5 106.7 319.9



#70
Styrene
Concen: 16.554 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Tgt Ion:104 Resp: 285372
Ion Ratio Lower Upper
104 100
78 45.9 35.4 53.2
103 47.3 37.5 56.3





#71

Bromoform

Concen: 17.624 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBSD01

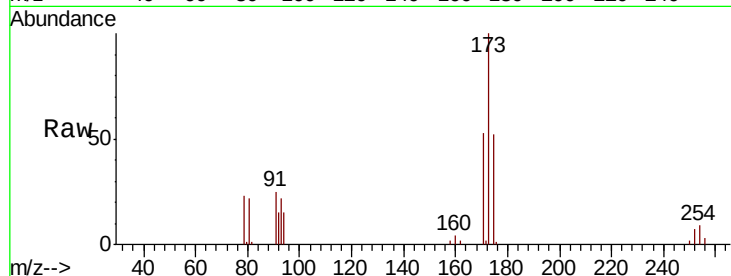
Tgt Ion:173 Resp: 95904

Ion Ratio Lower Upper

173 100

175 51.5 24.4 73.4

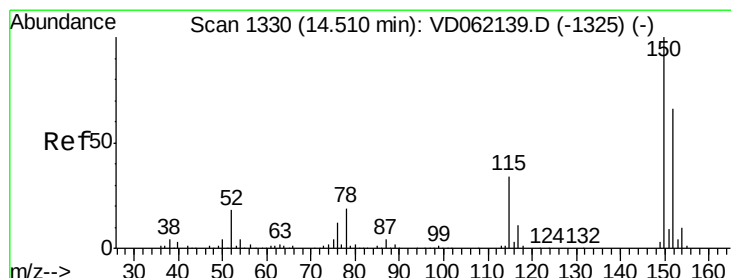
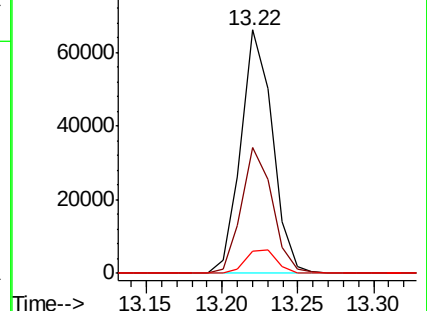
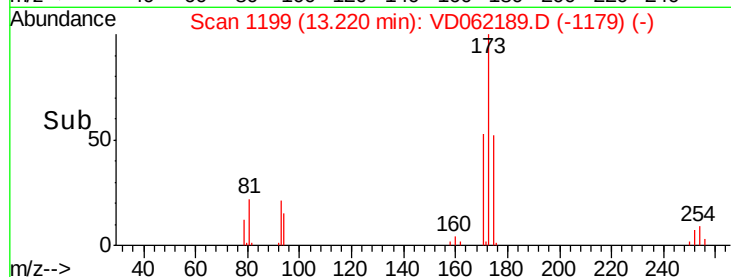
254 8.9 5.4 8.2#



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: VD062189.D

Acq: 9 May 2019 15:39

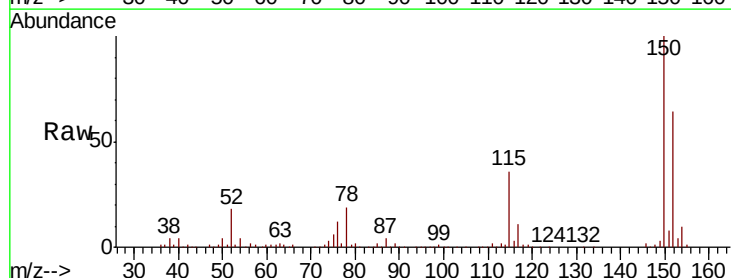
Tgt Ion:152 Resp: 540952

Ion Ratio Lower Upper

152 100

115 56.6 30.9 92.7

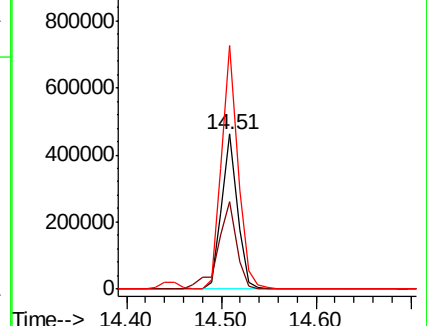
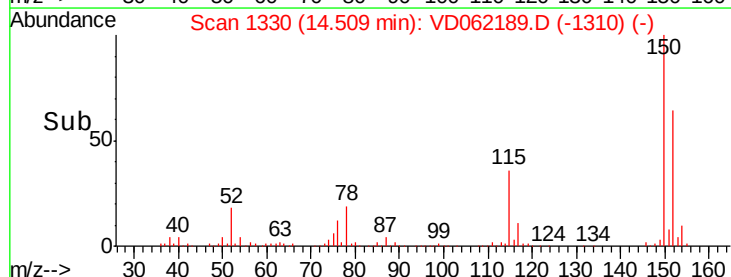
150 156.9 0.0 314.8

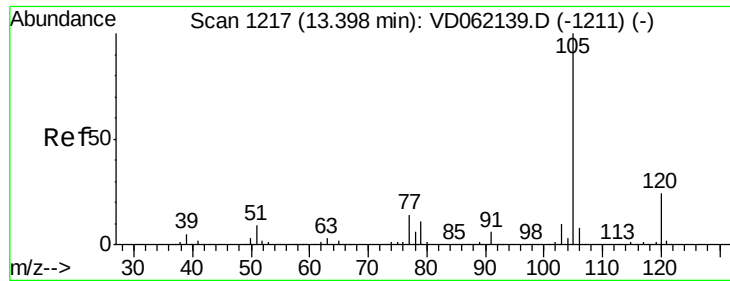


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.029 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

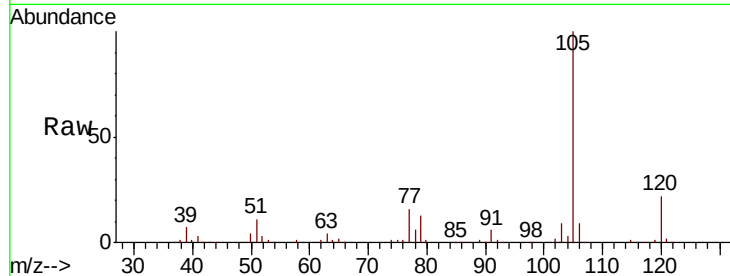
VD0509SBSD01

Tgt Ion: 105 Resp: 552189

Ion Ratio Lower Upper

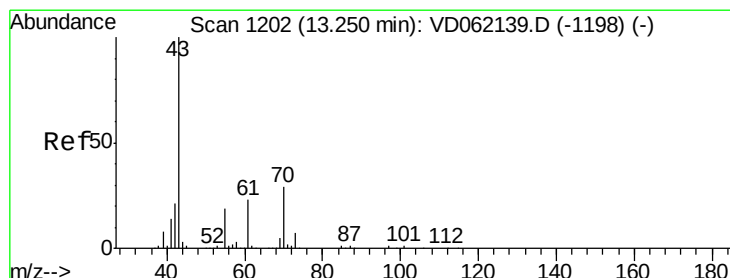
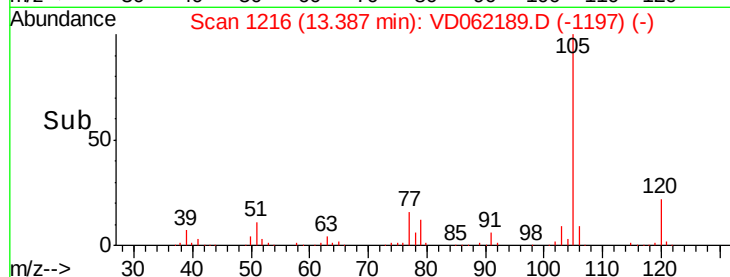
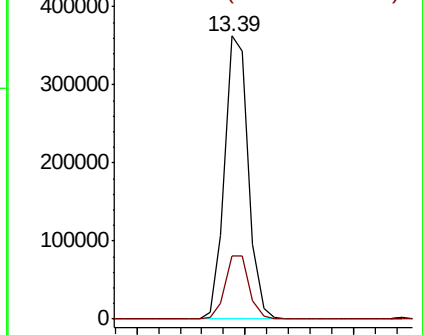
105 100

120 22.2 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 16.037 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Tgt Ion: 43 Resp: 136343

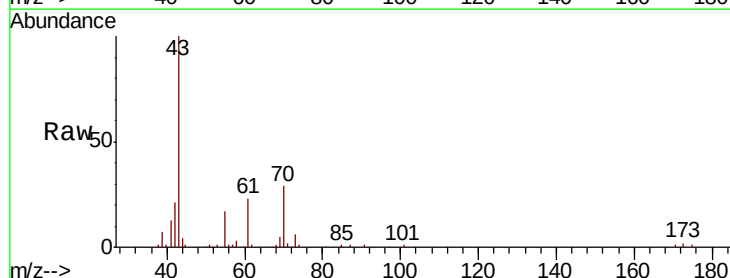
Ion Ratio Lower Upper

43 100

70 28.5 24.2 36.4

55 17.4 16.0 24.0

61 23.2 21.6 32.4

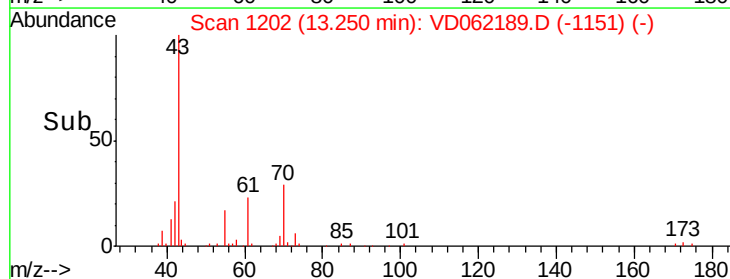
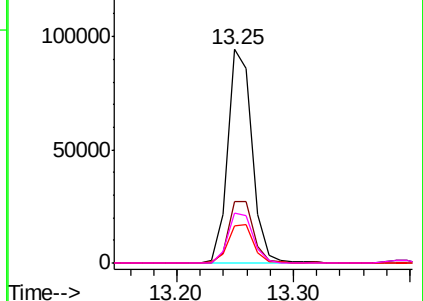


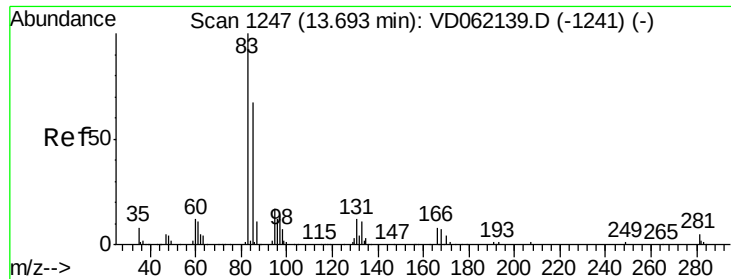
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 17.231 ug/l

RT: 13.69 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBS01

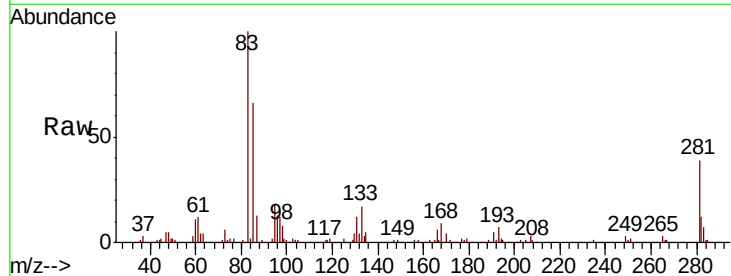
Tgt Ion: 83 Resp: 105778

Ion Ratio Lower Upper

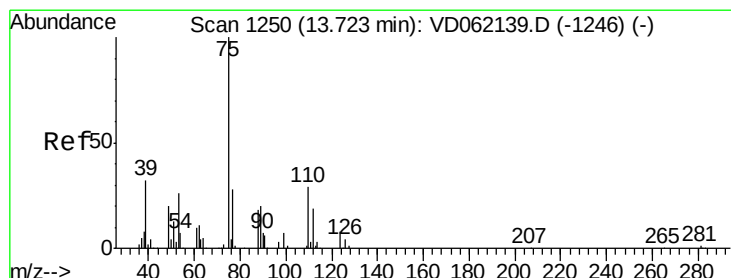
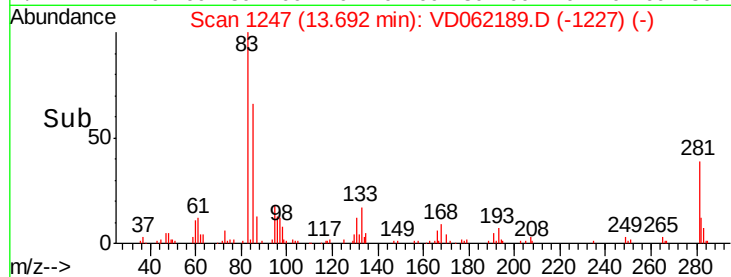
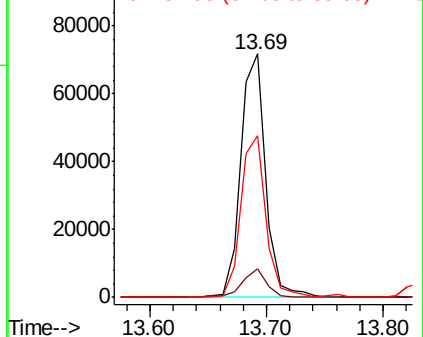
83 100

131 11.7 5.0 14.9

85 66.2 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: 17.812 ug/l

RT: 13.72 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062189.D

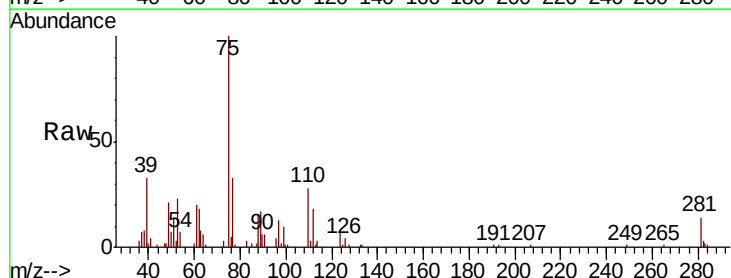
Acq: 9 May 2019 15:39

Tgt Ion: 75 Resp: 114509

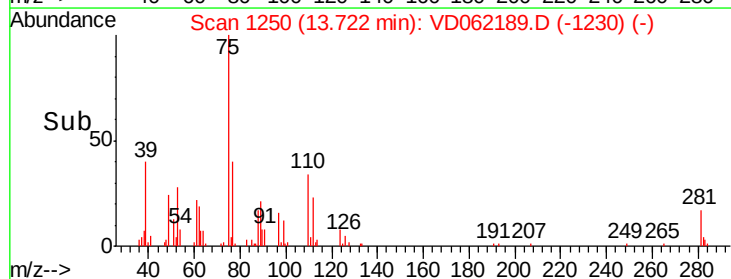
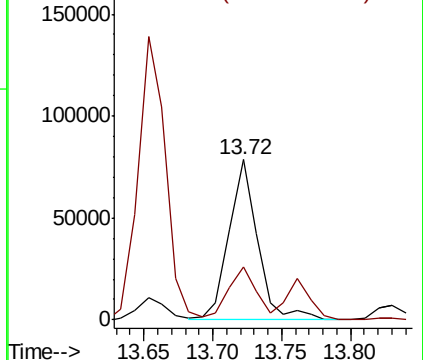
Ion Ratio Lower Upper

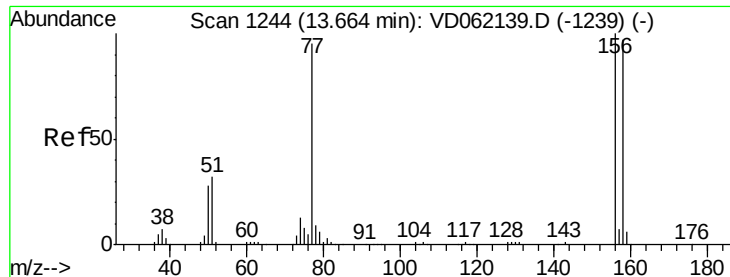
75 100

77 32.8 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: 18.020 ug/l

RT: 13.66 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBSD01

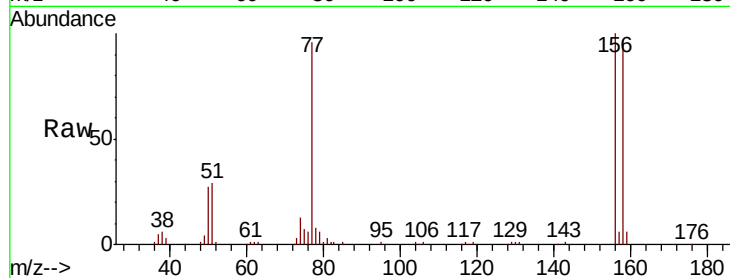
Tgt Ion:156 Resp: 163569

Ion Ratio Lower Upper

156 100

77 95.8 53.1 159.4

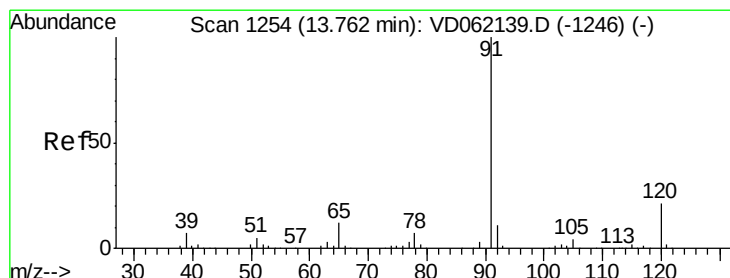
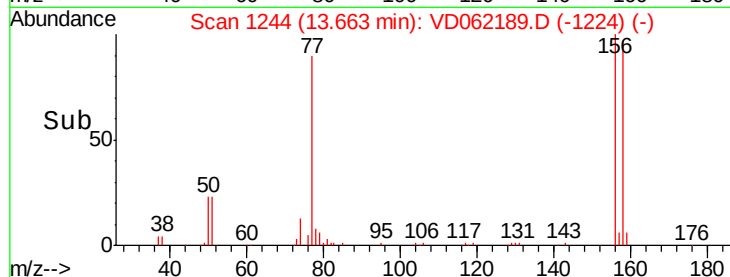
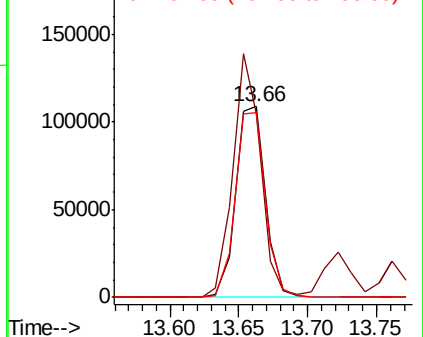
158 96.9 49.4 148.0



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: 16.760 ug/l

RT: 13.76 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD062189.D

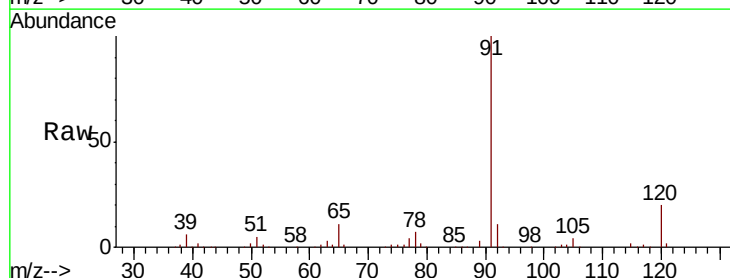
Acq: 9 May 2019 15:39

Tgt Ion: 91 Resp: 648298

Ion Ratio Lower Upper

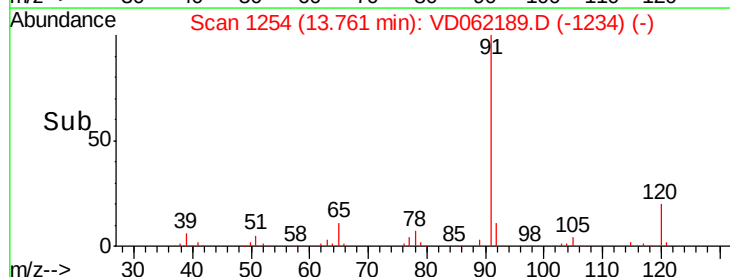
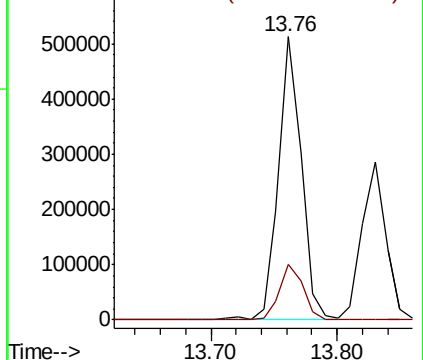
91 100

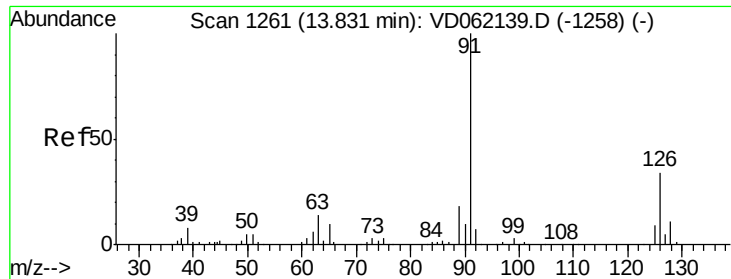
120 19.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 16.854 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

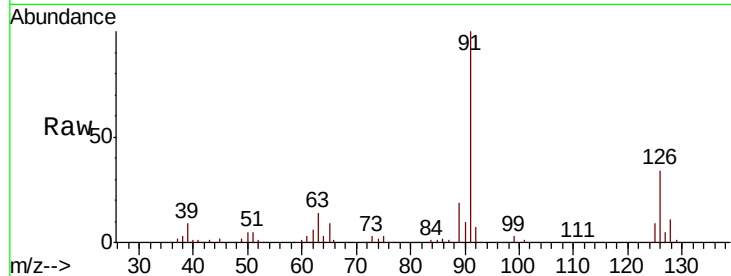
VD0509SBS01

Tgt Ion: 91 Resp: 373382

Ion Ratio Lower Upper

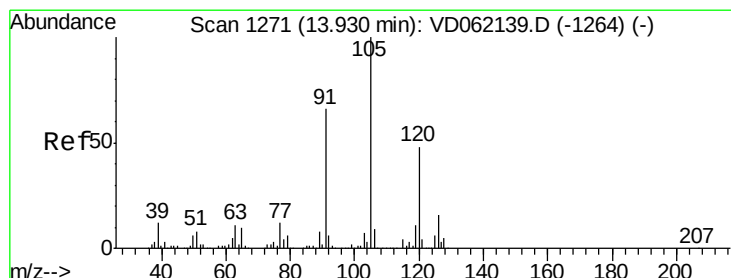
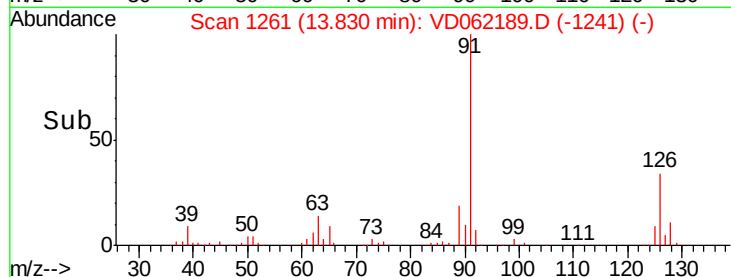
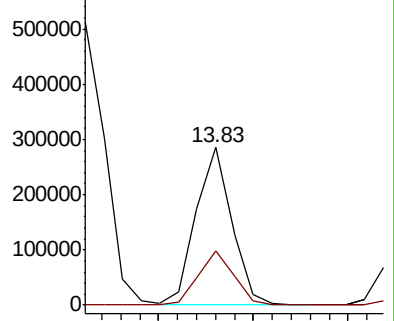
91 100

126 34.3 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: 16.857 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062189.D

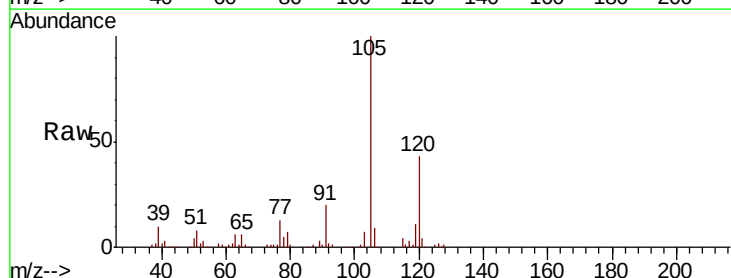
Acq: 9 May 2019 15:39

Tgt Ion: 105 Resp: 460300

Ion Ratio Lower Upper

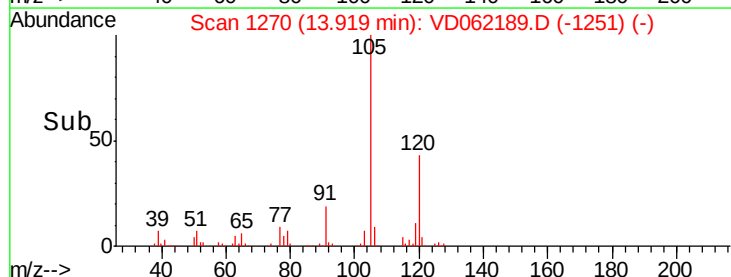
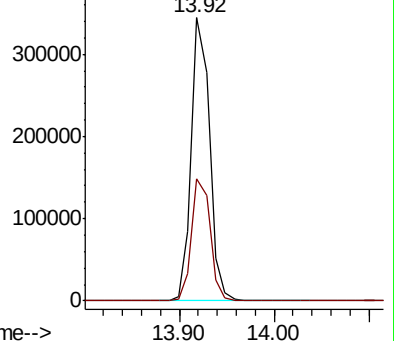
105 100

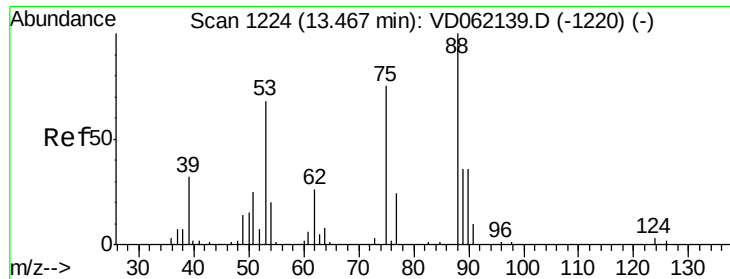
120 42.9 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

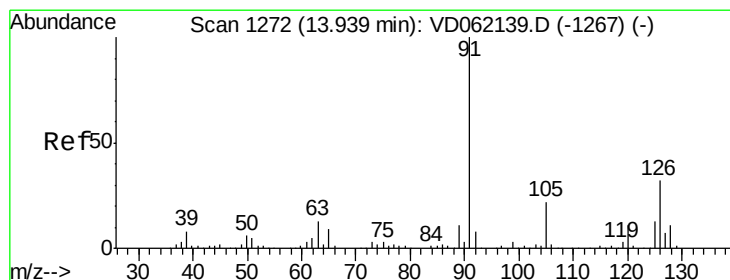
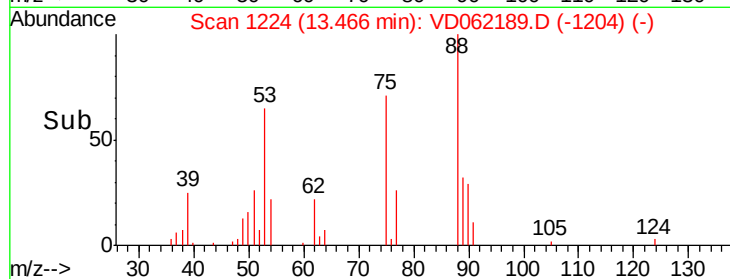
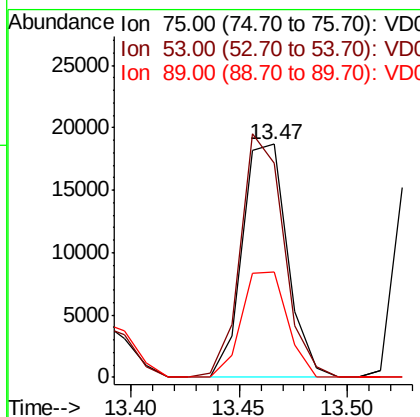
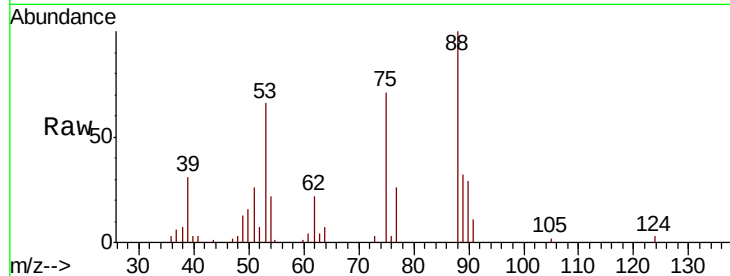




#81
trans-1,4-Dichloro-2-butene
Concen: 15.027 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

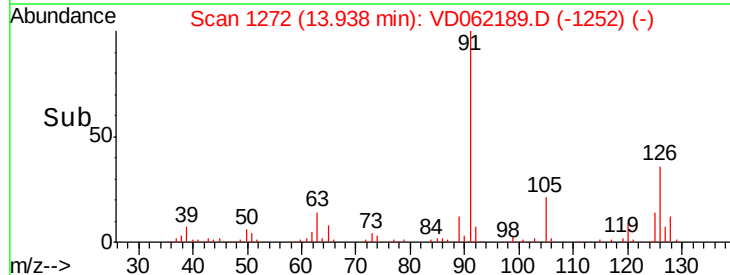
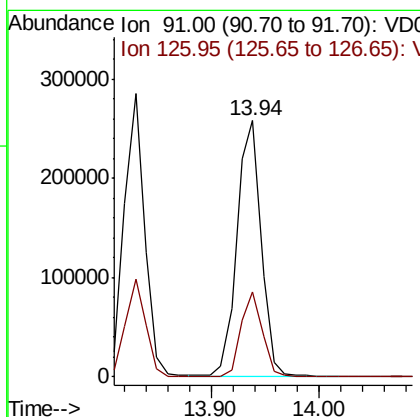
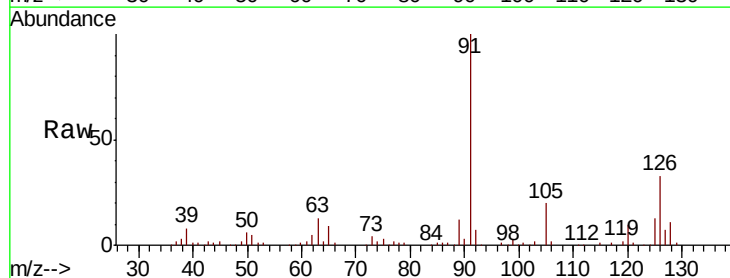
Instrument :
MSVOA_D
ClientSampleId :
VD0509SBSD01

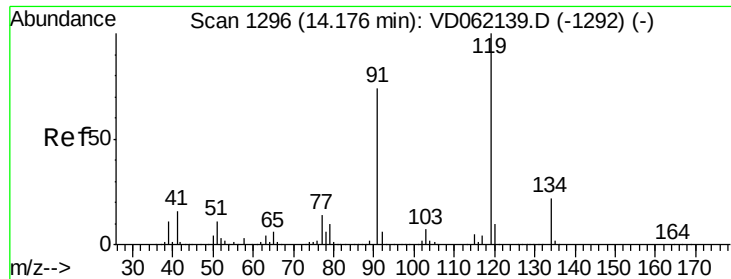
Tgt Ion: 75 Resp: 27272
Ion Ratio Lower Upper
75 100
53 92.2 65.8 98.8
89 45.4 35.0 52.6



#82
4-Chlorotoluene
Concen: 15.332 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Tgt Ion: 91 Resp: 399683
Ion Ratio Lower Upper
91 100
126 33.4 19.1 57.5





#83

tert-Butylbenzene

Concen: 18.283 ug/l

RT: 14.17 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBSD01

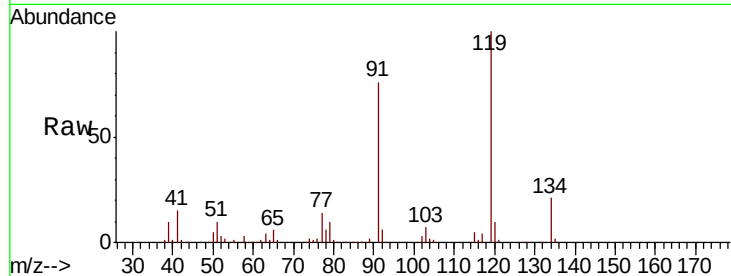
Tgt Ion:119 Resp: 561134

Ion Ratio Lower Upper

119 100

91 75.8 34.2 102.6

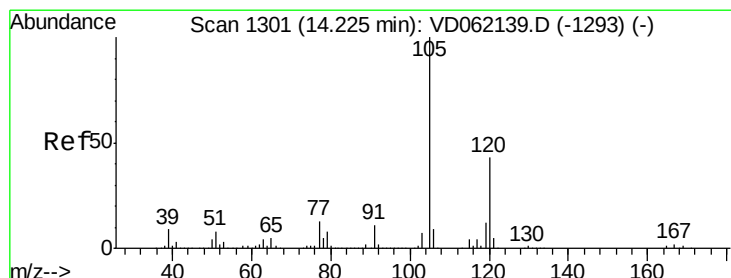
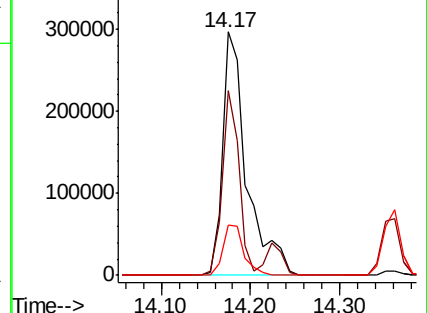
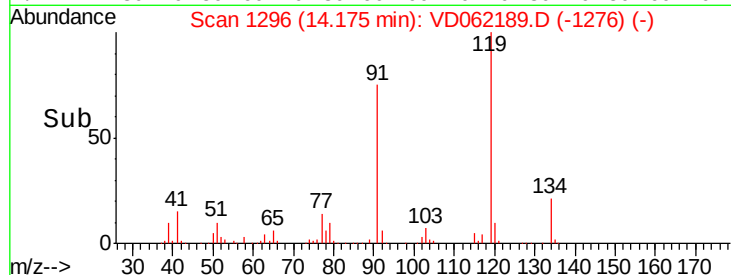
134 20.7 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.180 ug/l

RT: 14.22 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD062189.D

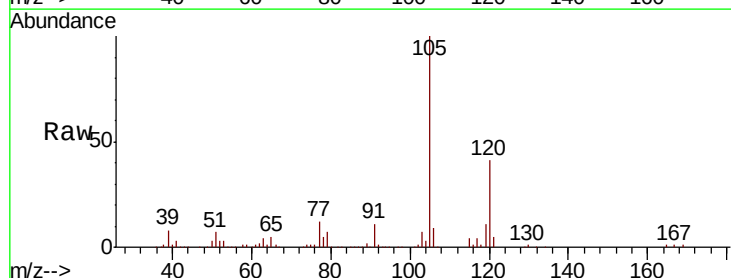
Acq: 9 May 2019 15:39

Tgt Ion:105 Resp: 498154

Ion Ratio Lower Upper

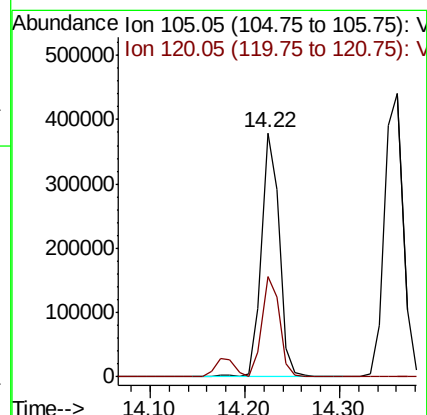
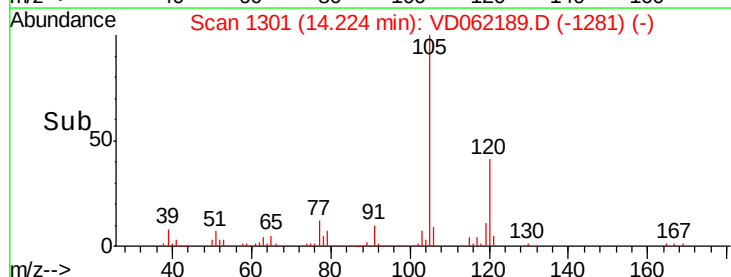
105 100

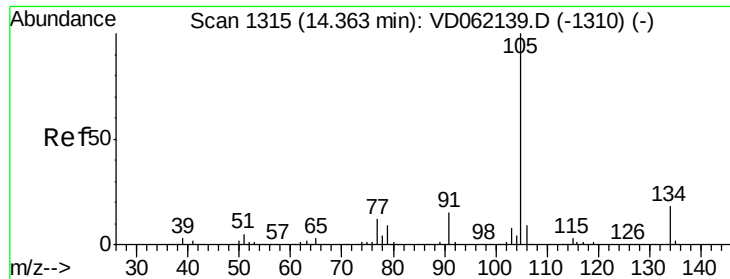
120 41.4 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 18.196 ug/l

RT: 14.36 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

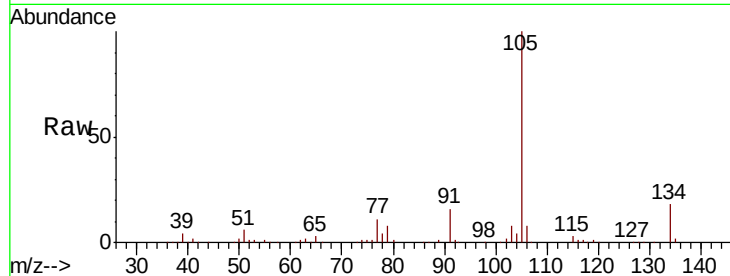
VD0509SBSD01

Tgt Ion:105 Resp: 612288

Ion Ratio Lower Upper

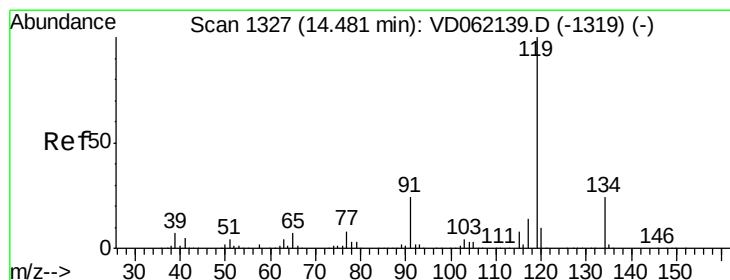
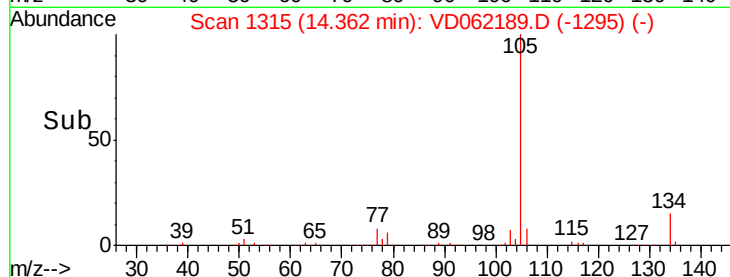
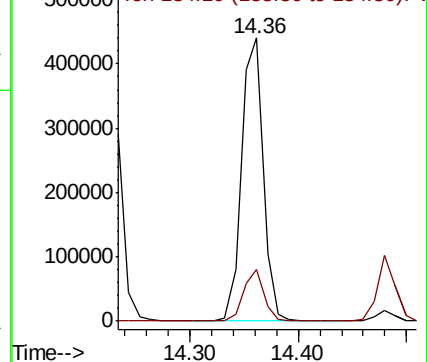
105 100

134 18.2 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 17.319 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

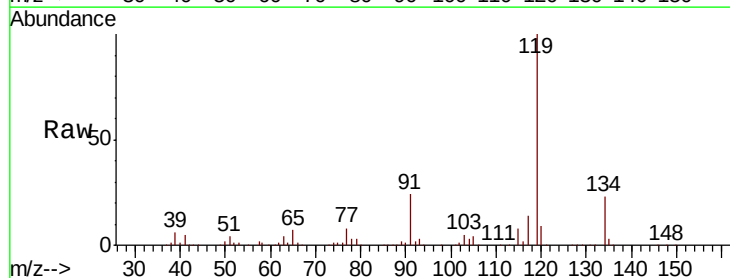
Tgt Ion:119 Resp: 520674

Ion Ratio Lower Upper

119 100

134 23.2 12.8 38.3

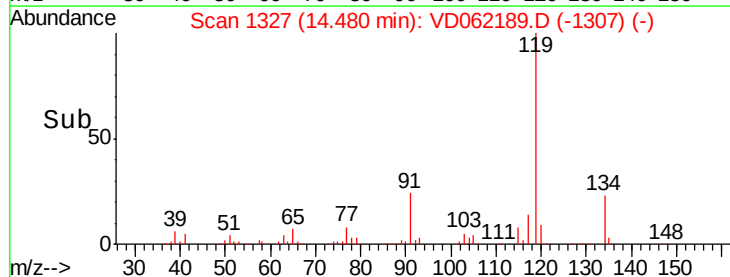
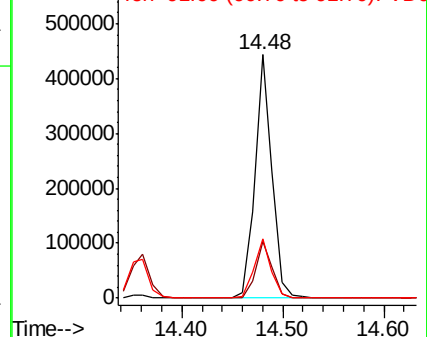
91 24.2 10.7 32.1

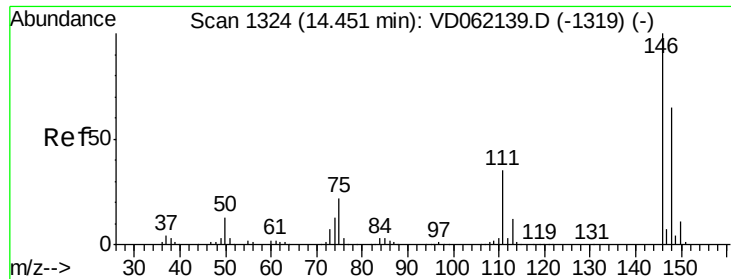


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

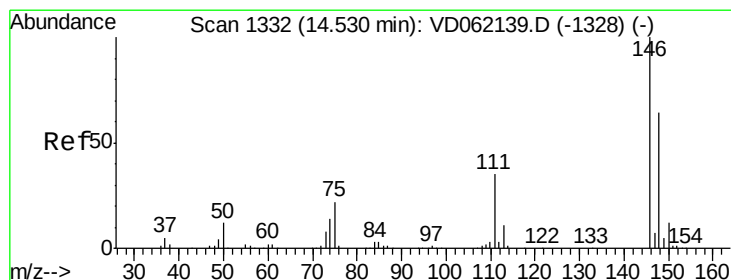
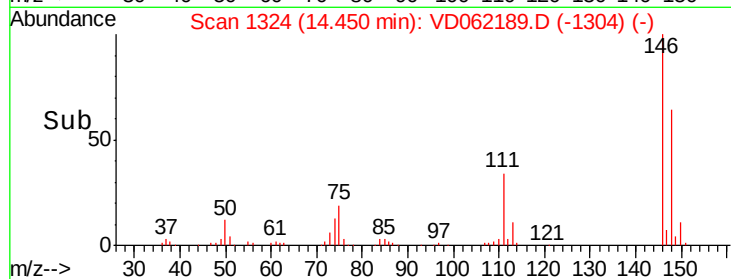
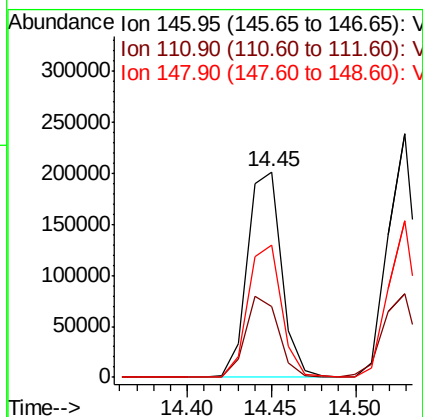
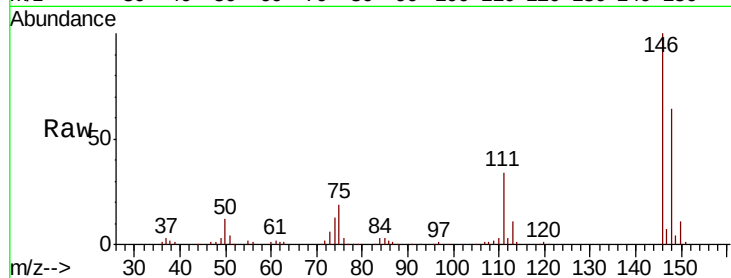




#87
 1,3-Dichlorobenzene
 Concen: 17.057 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

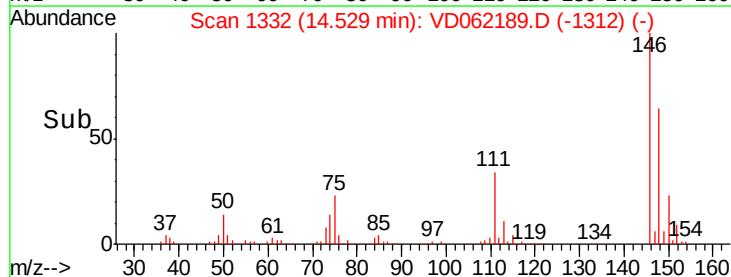
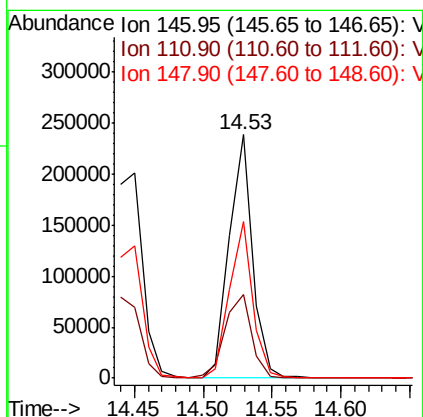
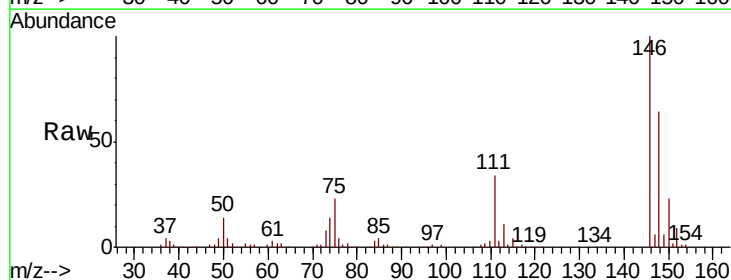
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBS01

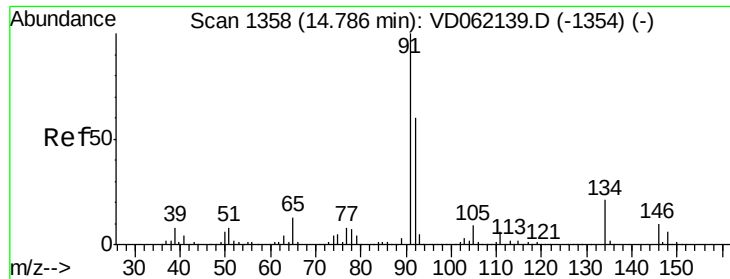
Tgt Ion:146 Resp: 282848
 Ion Ratio Lower Upper
 146 100
 111 34.2 20.0 60.0
 148 64.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 17.310 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

Tgt Ion:146 Resp: 282029
 Ion Ratio Lower Upper
 146 100
 111 34.3 20.2 60.5
 148 64.3 32.0 96.2





#89

n-Butylbenzene

Concen: 18.623 ug/l

RT: 14.78 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD062189.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0509SBS01

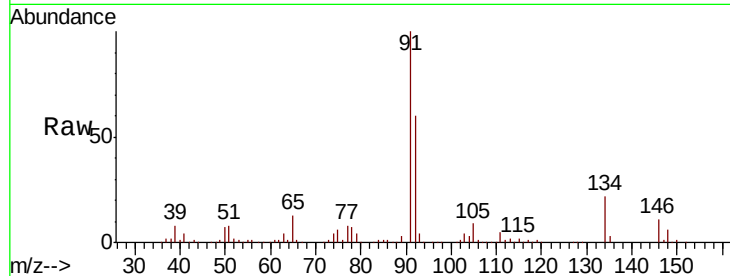
Tgt Ion: 91 Resp: 502535

Ion Ratio Lower Upper

91 100

92 59.8 30.3 91.0

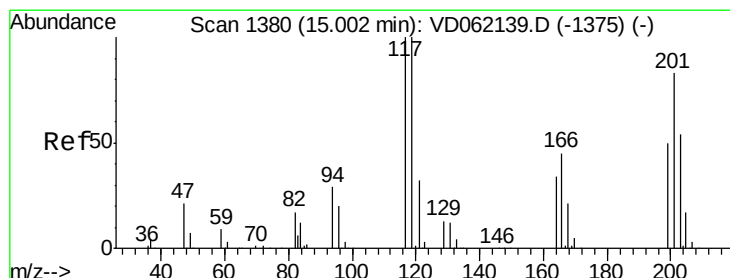
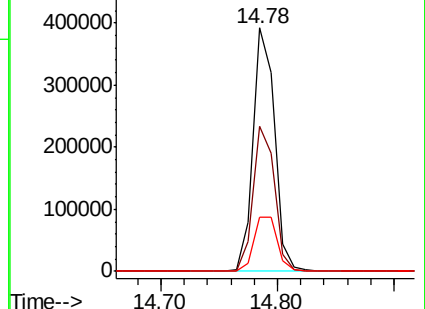
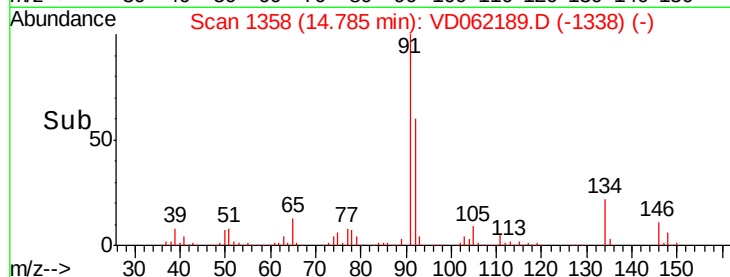
134 22.2 14.5 43.6



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: 17.884 ug/l

RT: 15.00 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062189.D

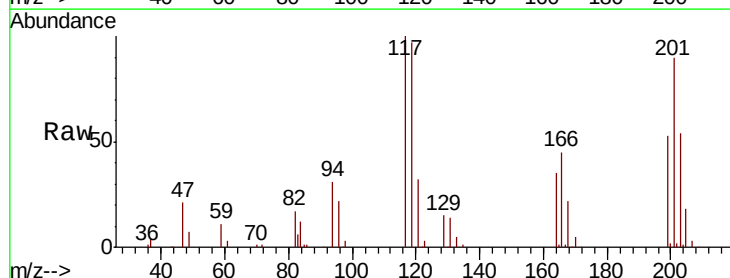
Acq: 9 May 2019 15:39

Tgt Ion: 117 Resp: 146218

Ion Ratio Lower Upper

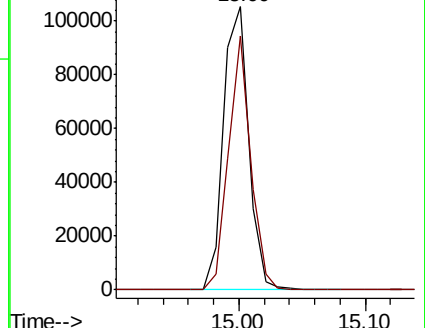
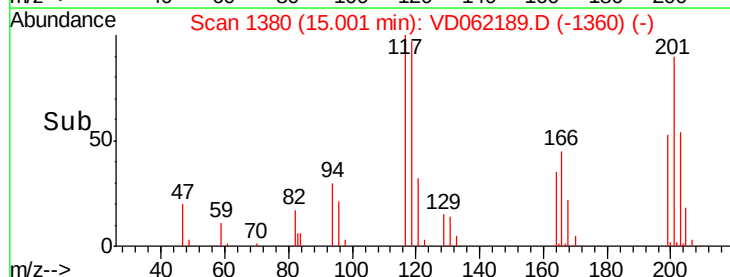
117 100

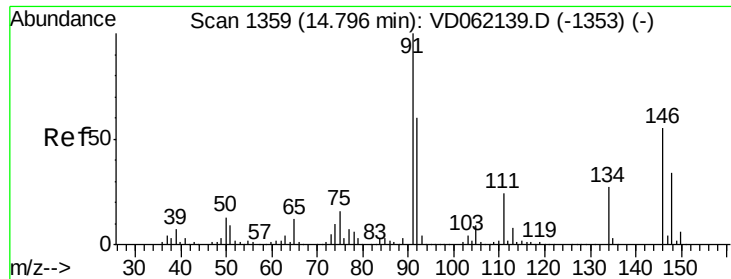
201 89.7 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

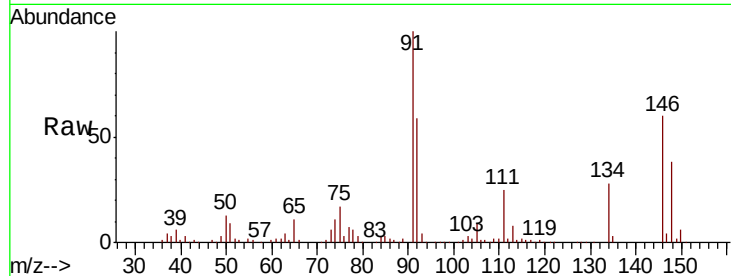




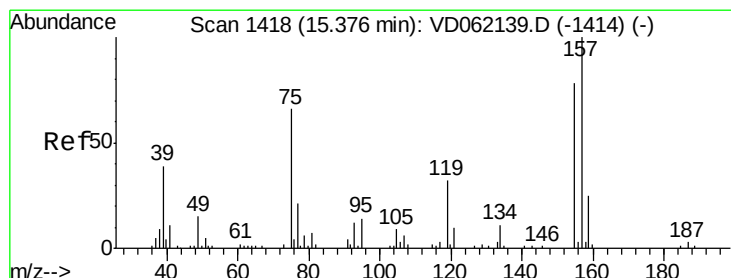
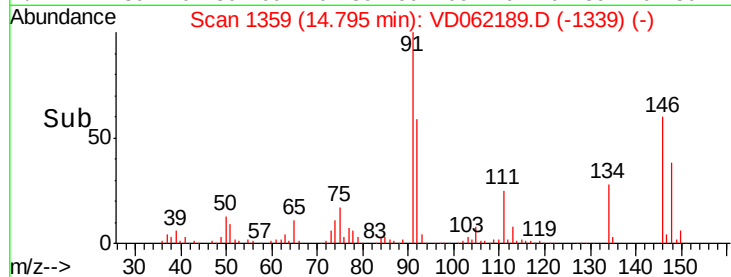
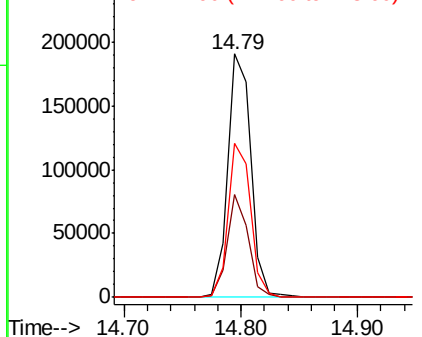
#91
 1,2-Dichlorobenzene
 Concen: 19.159 ug/l
 RT: 14.79 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBSD01

Tgt Ion: 146 Resp: 261639
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.0 59.9
 148 63.1 32.3 96.8

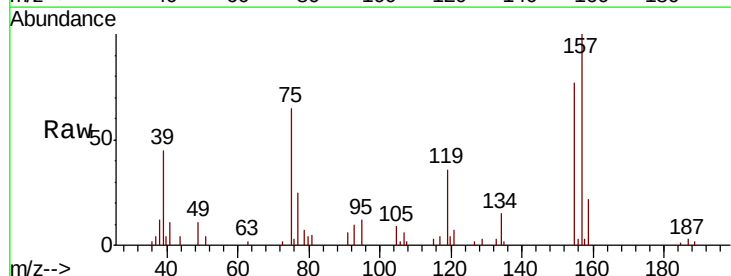


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

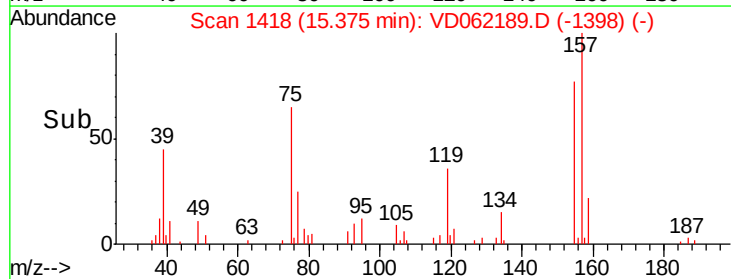
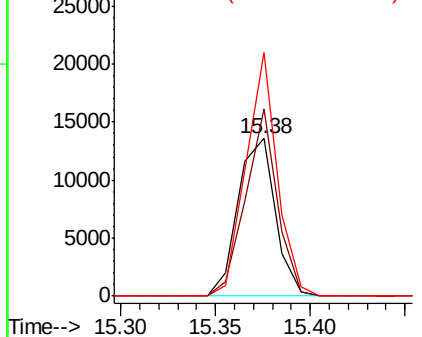


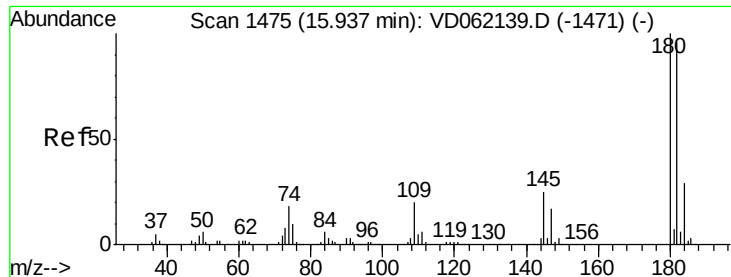
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.248 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

Tgt Ion: 75 Resp: 18388
 Ion Ratio Lower Upper
 75 100
 155 118.7 55.3 165.8
 157 154.4 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

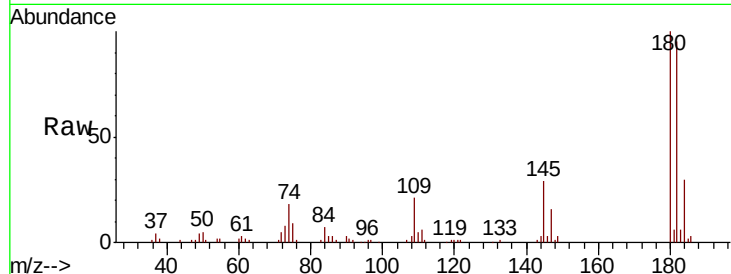




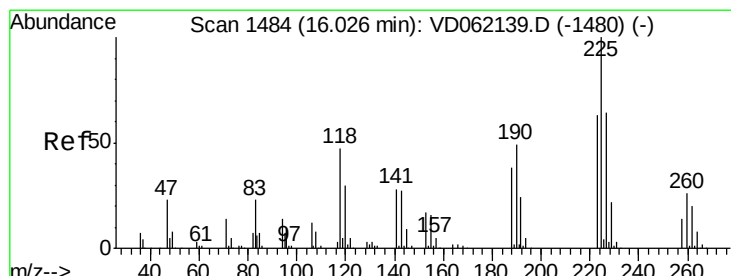
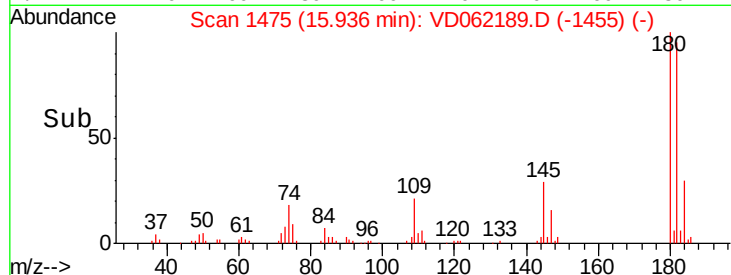
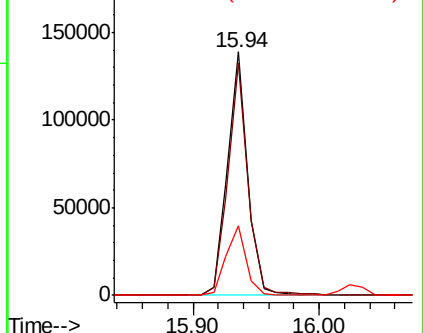
#93
 1,2,4-Trichlorobenzene
 Concen: 15.310 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBSD01

Tgt Ion:180 Resp: 152185
 Ion Ratio Lower Upper
 180 100
 182 95.2 49.3 147.8
 145 28.8 16.2 48.6

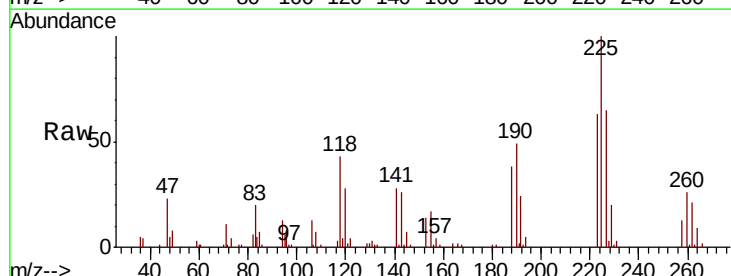


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

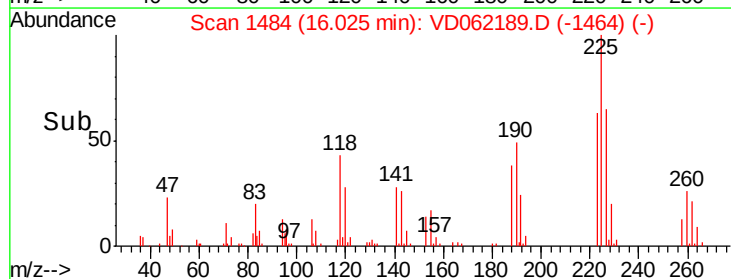
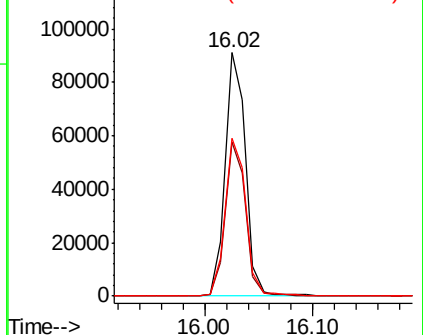


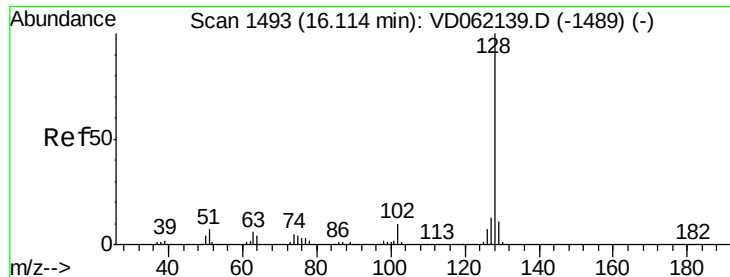
#94
 Hexachlorobutadiene
 Concen: 16.108 ug/l
 RT: 16.02 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062189.D
 Acq: 9 May 2019 15:39

Tgt Ion:225 Resp: 119086
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.6 92.0
 227 65.0 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

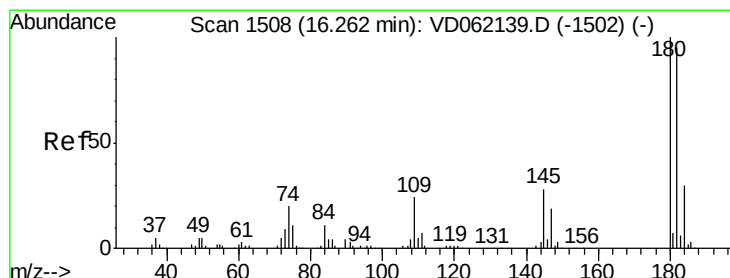
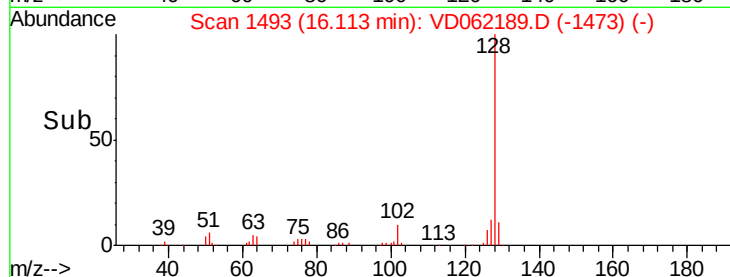
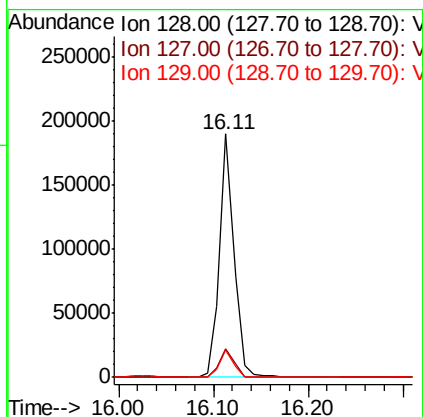
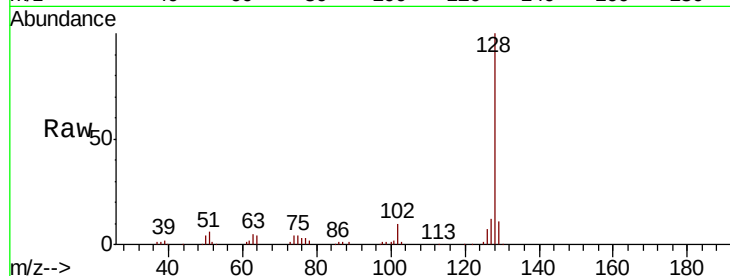




#95
Naphthalene
Concen: 14.602 ug/l
RT: 16.11 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0509SBSD01

Tgt Ion:128 Resp: 202632
Ion Ratio Lower Upper
128 100
127 11.9 9.8 14.8
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 14.627 ug/l
RT: 16.26 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062189.D
Acq: 9 May 2019 15:39

Tgt Ion:180 Resp: 91413
Ion Ratio Lower Upper
180 100
182 99.3 47.0 141.0
145 29.3 17.0 51.0

