

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062363.D
 Acq On : 15 May 2019 00:19
 Operator : FY/SY
 Sample : VD0514SBS02
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 15 03:30:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	631737	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	839990	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	663181	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	401347	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	319056	54.35	ug/l	0.05
Spiked Amount	50.000		Recovery	=	108.70%	
35) Dibromofluoromethane	6.94	113	333583	47.86	ug/l	0.05
Spiked Amount	50.000		Recovery	=	95.72%	
50) Toluene-d8	10.42	98	726490	43.23	ug/l	0.03
Spiked Amount	50.000		Recovery	=	86.46%	
62) 4-Bromofluorobenzene	13.56	95	327145	48.48	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	117993	19.529	ug/l	97
3) Chloromethane	1.75	50	74297	17.018	ug/l	97
4) Vinyl Chloride	1.86	62	76827	17.906	ug/l	94
5) Bromomethane	2.16	94	28084	27.934	ug/l #	83
6) Chloroethane	2.26	64	44267	24.587	ug/l	97
7) Trichlorofluoromethane	2.54	101	211066	25.303	ug/l	99
8) Diethyl Ether	2.88	74	26020	16.174	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	3.16	101	123310	19.542	ug/l	97
10) Methyl Iodide	3.32	142	119532	12.534	ug/l #	73
11) Tert butyl alcohol	4.08	59	28453	94.947	ug/l	99
12) 1,1-Dichloroethene	3.14	96	78850	16.369	ug/l #	78
13) Acrolein	3.04	56	17351	55.979	ug/l #	83
14) Allyl chloride	3.63	41	129174	18.444	ug/l #	73
15) Acrylonitrile	4.21	53	71814	91.172	ug/l	93
16) Acetone	3.24	43	130017	105.604	ug/l #	85
17) Carbon Disulfide	3.39	76	195024	14.074	ug/l	97
18) Methyl Acetate	3.65	43	52436	23.654	ug/l #	89
19) Methyl tert-butyl Ether	4.25	73	207704	20.117	ug/l #	91
20) Methylene Chloride	3.83	84	95832	18.642	ug/l	89
21) trans-1,2-Dichloroethene	4.23	96	93221	17.392	ug/l	92
22) Diisopropyl ether	5.14	45	280687	18.833	ug/l	93
23) Vinyl Acetate	5.08	43	819815	104.257	ug/l	96
24) 1,1-Dichloroethane	5.00	63	176644	19.647	ug/l	98
25) 2-Butanone	6.08	43	133601	99.486	ug/l	95
26) 2,2-Dichloropropane	6.03	77	182336	20.359	ug/l	91
27) cis-1,2-Dichloroethene	6.05	96	105496	17.584	ug/l	92
28) Bromochloromethane	6.46	49	83596	23.632	ug/l	90
29) Tetrahydrofuran	6.48	42	62835	101.550	ug/l	94
30) Chloroform	6.68	83	240627	22.207	ug/l	99
31) Cyclohexane	6.97	56	104885	17.028	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	240525	23.485	ug/l	99
36) 1,1-Dichloropropene	7.16	75	148960	21.629	ug/l	92
37) Ethyl Acetate	6.20	43	65500	22.426	ug/l	99
38) Carbon Tetrachloride	7.13	117	227877	23.906	ug/l	98

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 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)
39) Methylcyclohexane	8.88	83	131879	19.986	ug/l	97
40) Benzene	7.47	78	300847	19.345	ug/l	100
41) Methacrylonitrile	6.46	41	80696	22.609	ug/l #	90
42) 1,2-Dichloroethane	7.59	62	166302	25.239	ug/l	94
43) Isopropyl Acetate	9.25	43	88626	21.396	ug/l	89
44) Trichloroethene	8.55	130	112782	19.031	ug/l	80
45) 1,2-Dichloropropane	8.96	63	78066	20.294	ug/l	99
46) Dibromomethane	9.07	93	68028	21.747	ug/l	95
47) Bromodichloromethane	9.39	83	171698	22.440	ug/l	100
48) Methyl methacrylate	9.13	41	62463	24.481	ug/l #	78
49) 1,4-Dioxane	9.10	88	10945	397.580	ug/l #	92
51) 4-Methyl-2-Pentanone	10.31	43	273157	102.587	ug/l	90
52) Toluene	10.52	92	196749	19.444	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	136095	20.580	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	147220	20.406	ug/l #	81
55) 1,1,2-Trichloroethane	11.20	97	73597	20.556	ug/l	98
56) Ethyl methacrylate	11.05	69	71446	19.204	ug/l #	81
57) 1,3-Dichloropropane	11.42	76	113012	20.894	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	220641	108.572	ug/l	95
59) 2-Hexanone	11.54	43	212719	108.392	ug/l	91
60) Dibromochloromethane	11.69	129	128362	20.746	ug/l	96
61) 1,2-Dibromoethane	11.82	107	87200	20.033	ug/l	96
64) Tetrachloroethene	11.27	164	106560	20.548	ug/l	96
65) Chlorobenzene	12.41	112	254934	20.639	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	123329	22.942	ug/l	94
67) Ethyl Benzene	12.53	91	458209	22.158	ug/l	90
68) m/p-Xylenes	12.68	106	297786	39.581	ug/l	86
69) o-Xylene	13.06	106	141590	20.243	ug/l	82
70) Styrene	13.08	104	242585	20.473	ug/l #	93
71) Bromoform	13.25	173	84231	22.521	ug/l #	96
73) Isopropylbenzene	13.41	105	461680	19.190	ug/l	95
74) N-amyl acetate	13.28	43	115660	18.337	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	85446	18.761	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	102624	21.516	ug/l	97
77) Bromobenzene	13.68	156	121256	18.005	ug/l	98
78) n-propylbenzene	13.78	91	541907	18.883	ug/l	91
79) 2-Chlorotoluene	13.85	91	329353	20.038	ug/l	88
80) 1,3,5-Trimethylbenzene	13.94	105	363130	17.925	ug/l	87
81) trans-1,4-Dichloro-2-buten	13.48	75	23105	17.159	ug/l #	76
82) 4-Chlorotoluene	13.96	91	383735	19.840	ug/l	88
83) tert-Butylbenzene	14.19	119	442304	19.424	ug/l	83
84) 1,2,4-Trimethylbenzene	14.24	105	424508	20.881	ug/l	87
85) sec-Butylbenzene	14.37	105	496464	19.886	ug/l	93
86) p-Isopropyltoluene	14.50	119	415670	18.635	ug/l	91
87) 1,3-Dichlorobenzene	14.46	146	216707	17.615	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	231454	19.147	ug/l	96
89) n-Butylbenzene	14.80	91	405796	20.269	ug/l	94
90) Hexachloroethane	15.01	117	117388	19.352	ug/l	89
91) 1,2-Dichlorobenzene	14.81	146	195214	19.267	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14957	20.006	ug/l	52

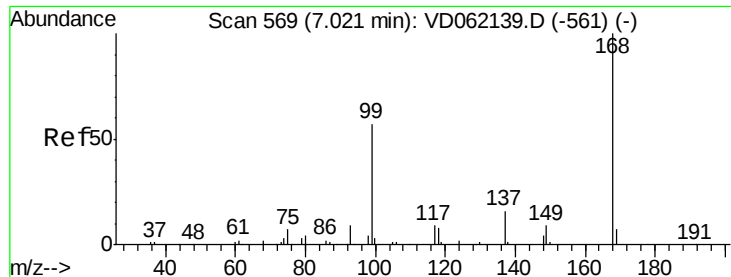
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
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Quant Time: May 15 03:30:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	144459	19.588	ug/l	97
94) Hexachlorobutadiene	16.04	225	111511	20.330	ug/l	98
95) Naphthalene	16.13	128	196761	19.111	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	105559	22.766	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.05 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

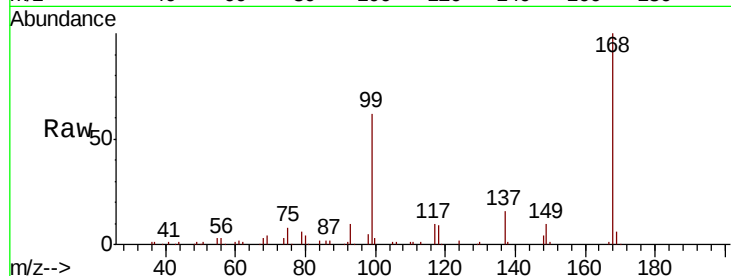
ClientSampleId :

Tot Ion:168 Resp: 631737

Ion Ratio Lower Upper

168 100

99 62.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

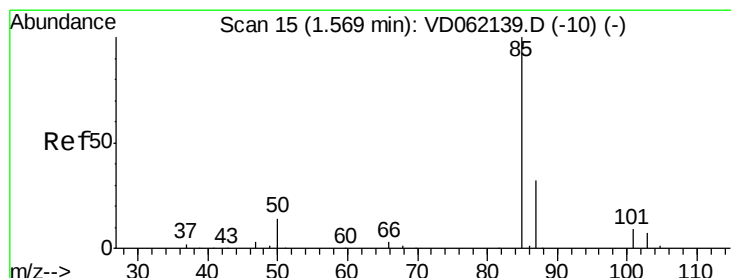
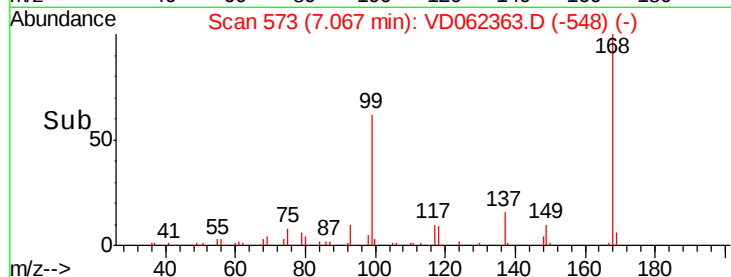
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.529 ug/l

RT: 1.59 min Scan# 16

Delta R.T. 0.02 min

Lab File: VD062363.D

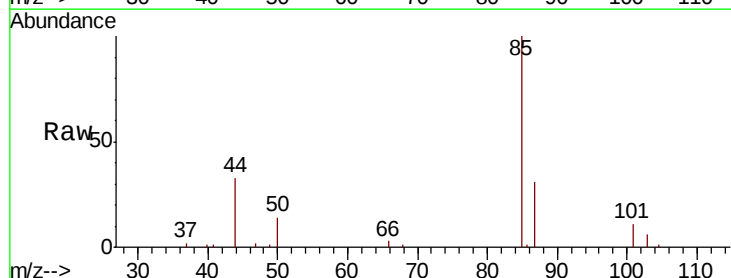
Acq: 15 May 2019 00:19

Tgt Ion: 85 Resp: 117993

Ion Ratio Lower Upper

85 100

87 30.7 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

60000

50000

40000

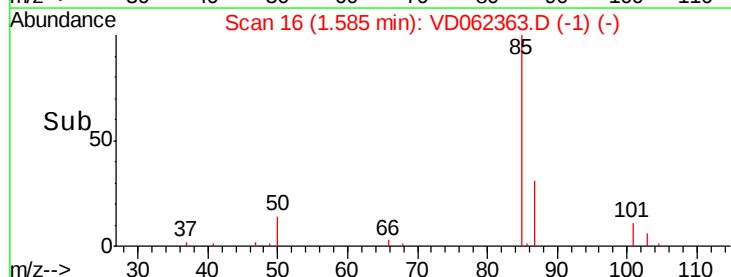
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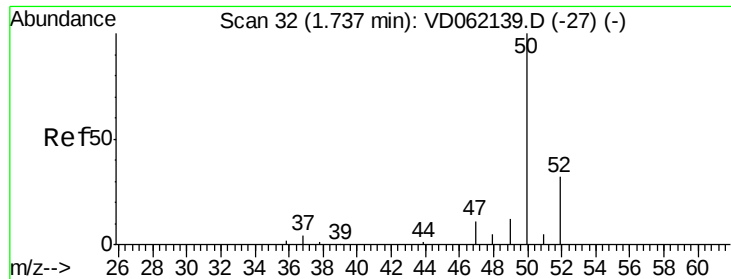
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.018 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

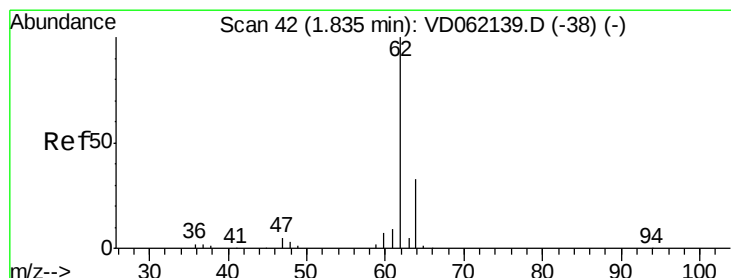
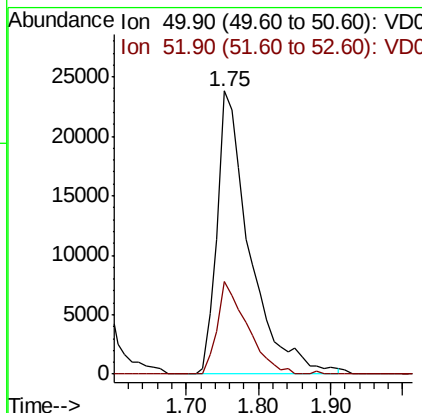
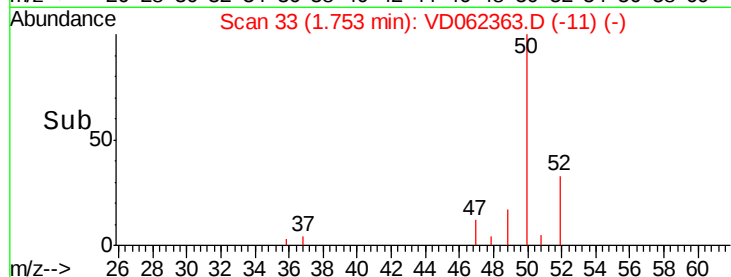
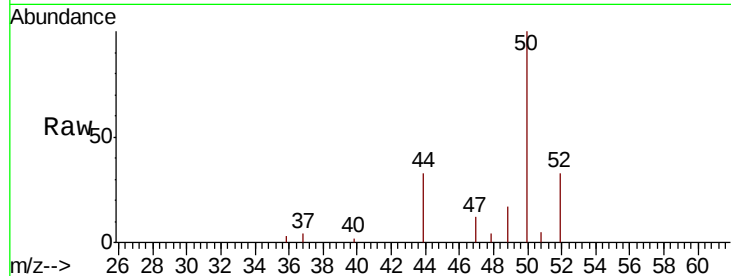
ClientSampleId :

Tot Ion: 50 Resp: 74297

Ion Ratio Lower Upper

50 100

52 32.9 25.2 37.8



#4

Vinyl Chloride

Concen: 17.906 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.03 min

Lab File: VD062363.D

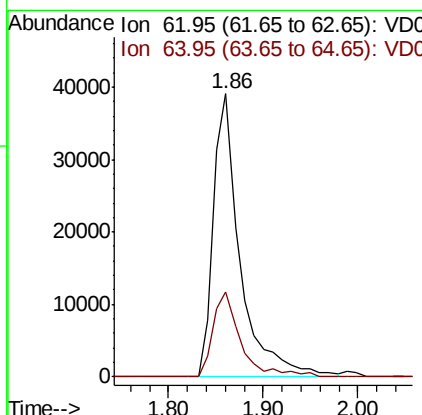
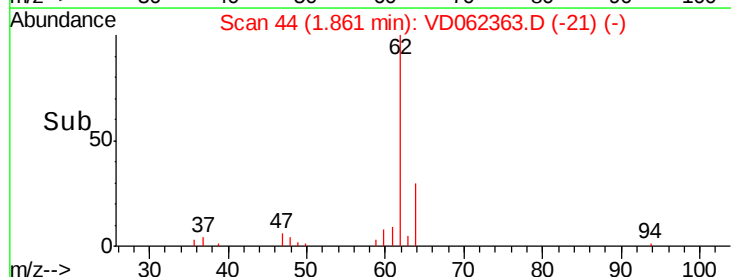
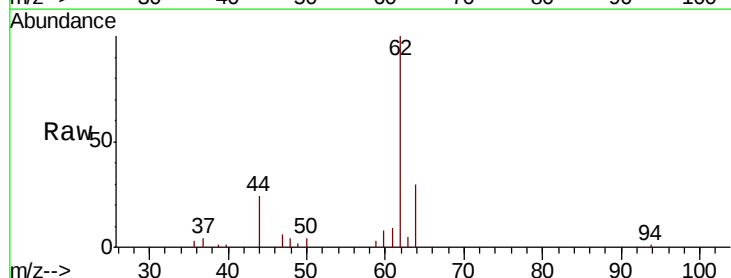
Acq: 15 May 2019 00:19

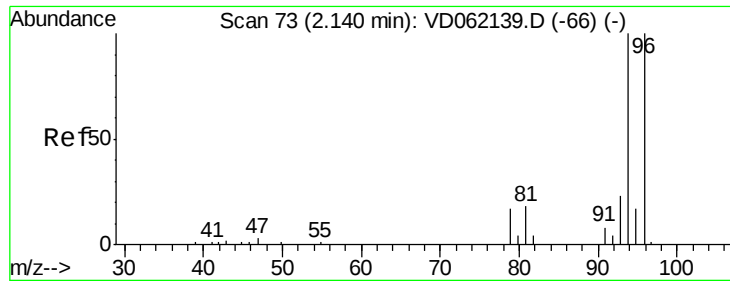
Tgt Ion: 62 Resp: 76827

Ion Ratio Lower Upper

62 100

64 29.8 26.5 39.7





#5

Bromomethane

Concen: 27.934 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

ClientSampled :

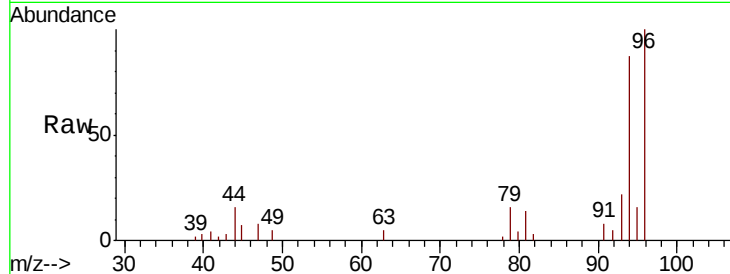
Tot Ion: 94 Resp: 28084

Ion Ratio Lower Upper

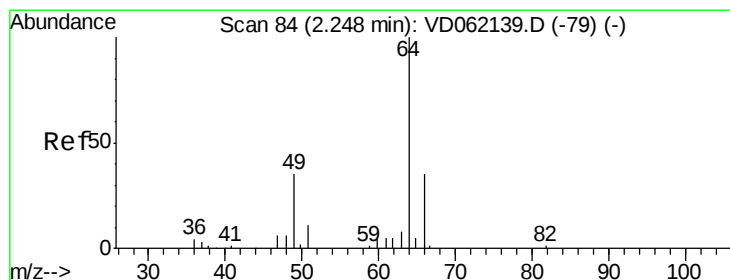
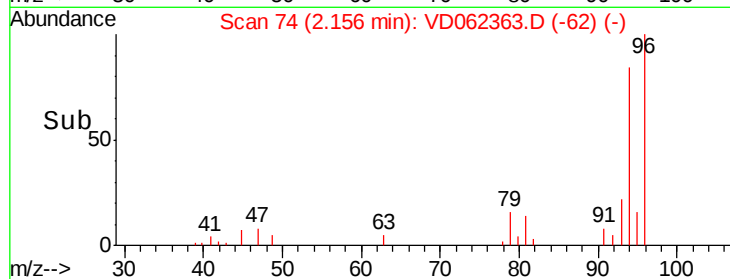
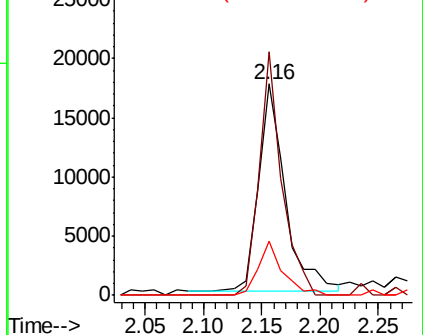
94 100

96 115.4 76.6 115.0#

93 25.6 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: 24.587 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.02 min

Lab File: VD062363.D

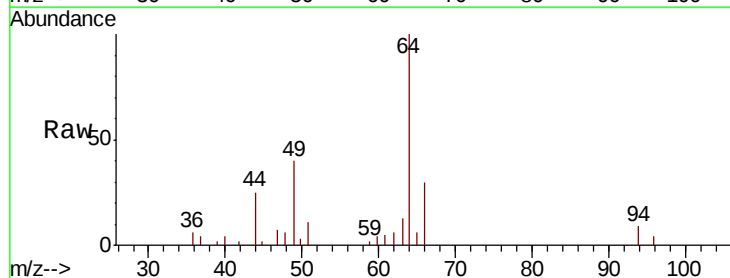
Acq: 15 May 2019 00:19

Tgt Ion: 64 Resp: 44267

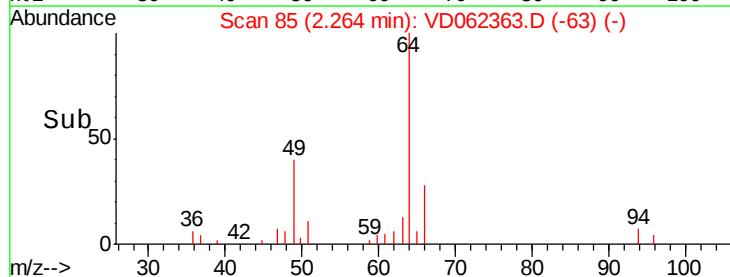
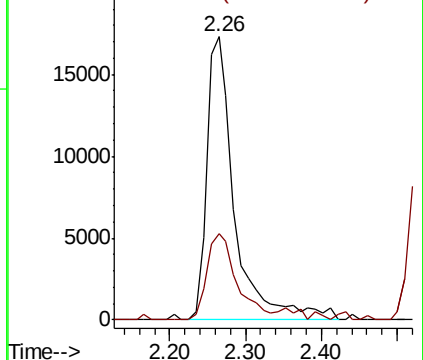
Ion Ratio Lower Upper

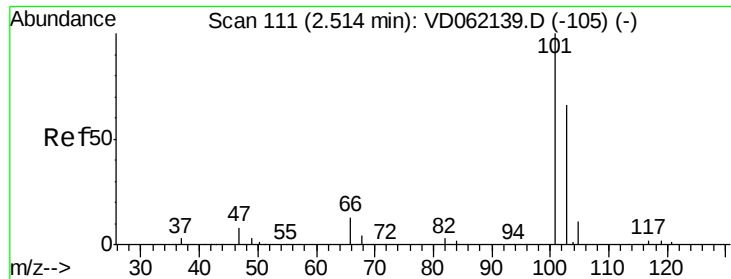
64 100

66 30.5 25.6 38.4



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



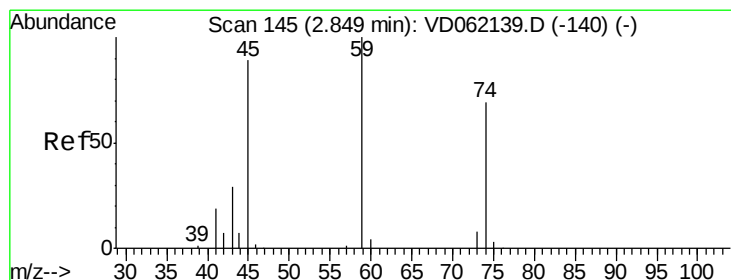
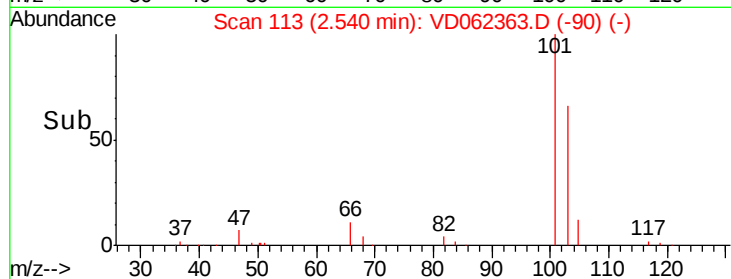
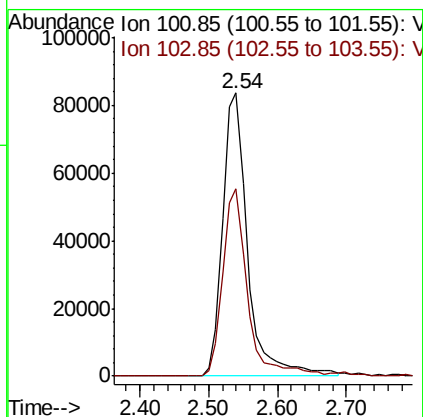
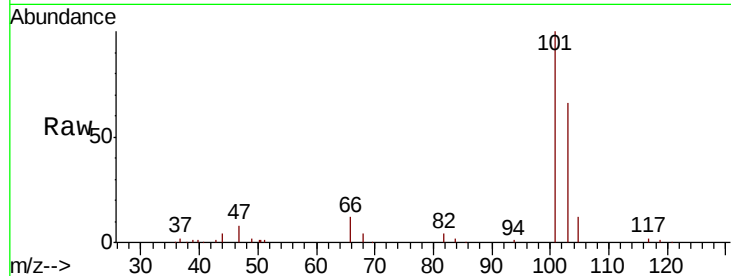


#7

Trichlorofluoromethane
Concen: 25.303 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.03 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Instrument :
MSVOA_D
ClientSampleId :

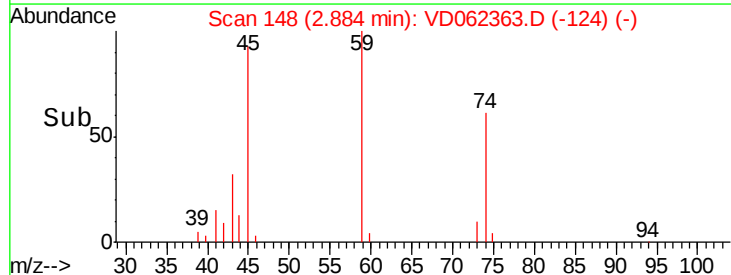
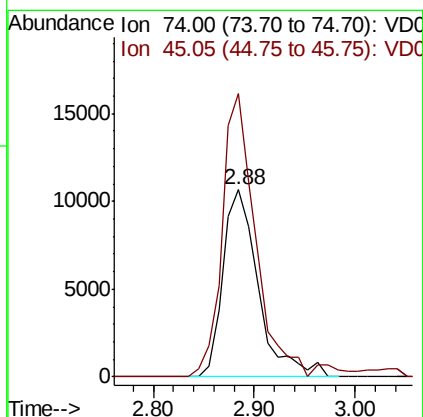
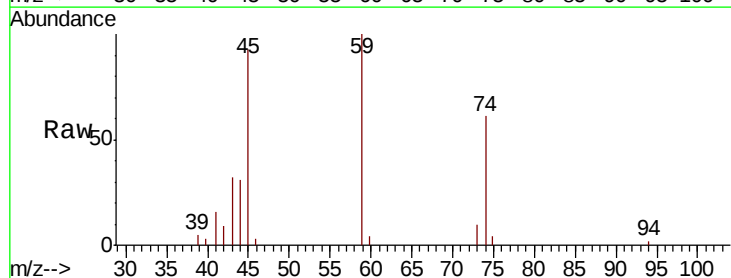
Tot Ion:101 Resp: 211066
Ion Ratio Lower Upper
101 100
103 66.4 53.6 80.4



#8

Diethyl Ether
Concen: 16.174 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.04 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Tgt Ion: 74 Resp: 26020
Ion Ratio Lower Upper
74 100
45 151.4 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.542 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.03 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

ClientSampled :

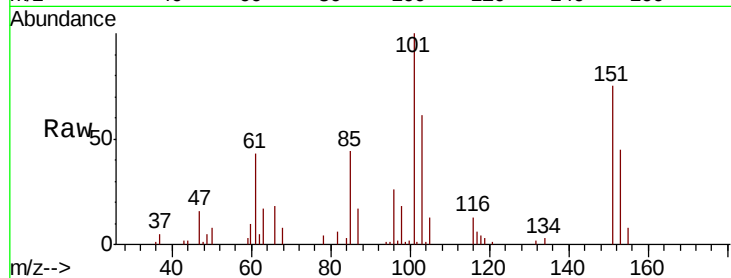
Tot Ion:101 Resp: 123310

Ion Ratio Lower Upper

101 100

85 44.3 32.4 48.6

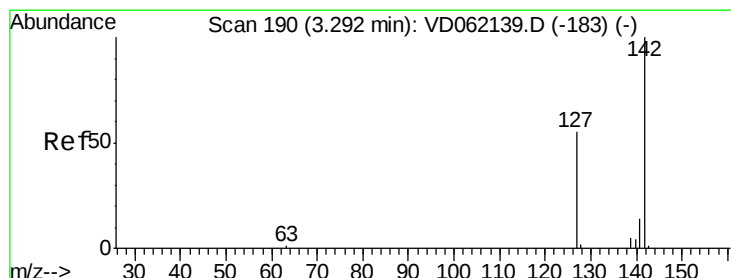
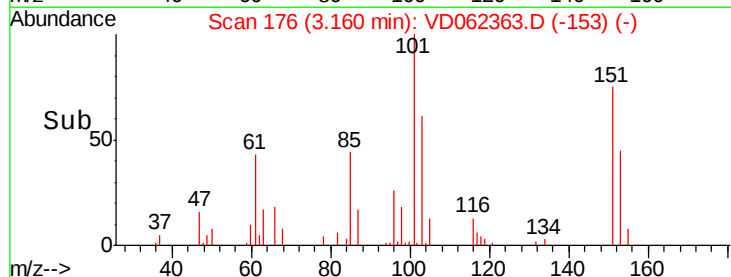
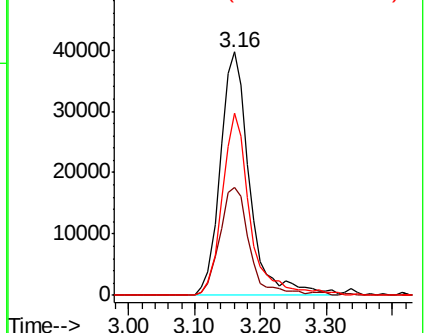
151 75.0 59.4 89.0



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: 12.534 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.03 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

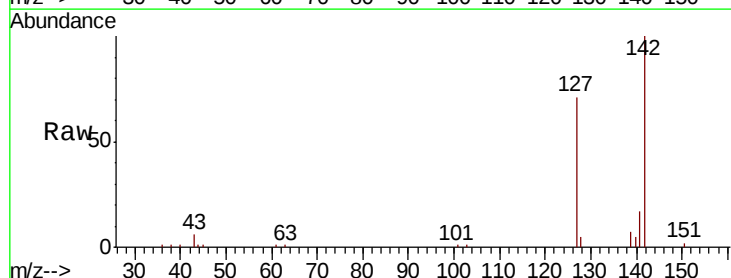
Tgt Ion:142 Resp: 119532

Ion Ratio Lower Upper

142 100

127 71.3 38.8 58.2#

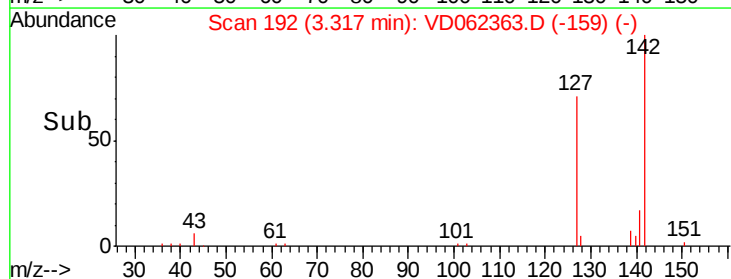
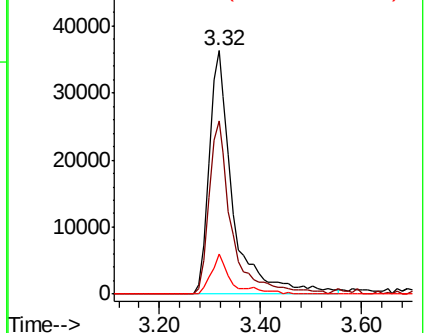
141 16.7 11.4 17.0



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

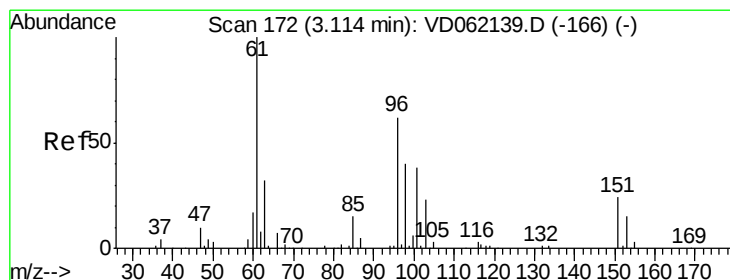
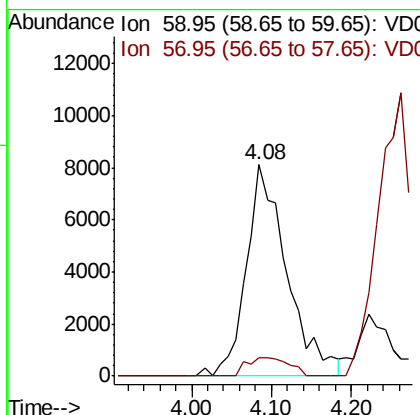
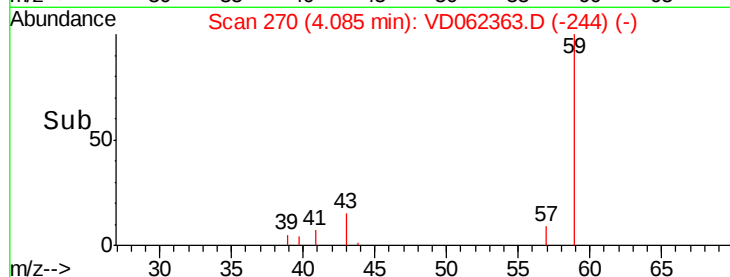
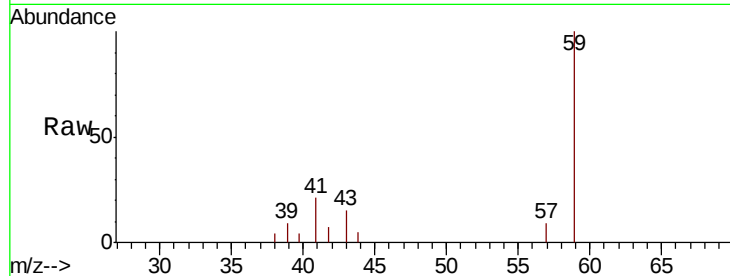




#11
Tert butyl alcohol
Concen: 94.947 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.06 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

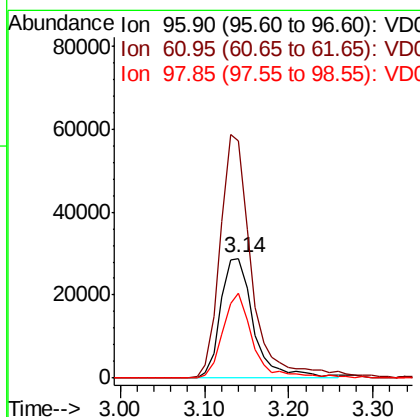
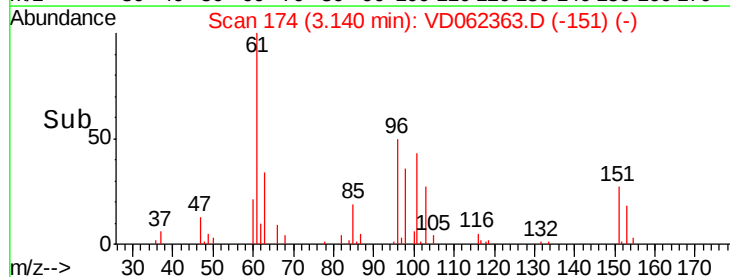
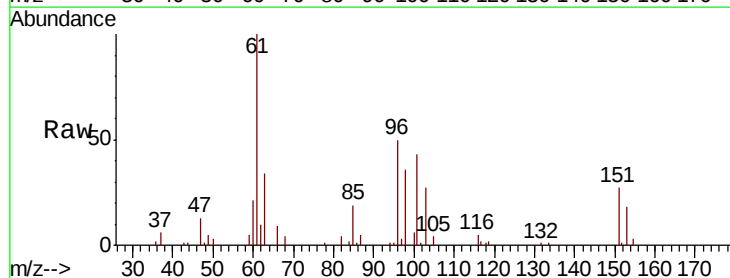
Instrument :
MSVOA_D
ClientSampleId :

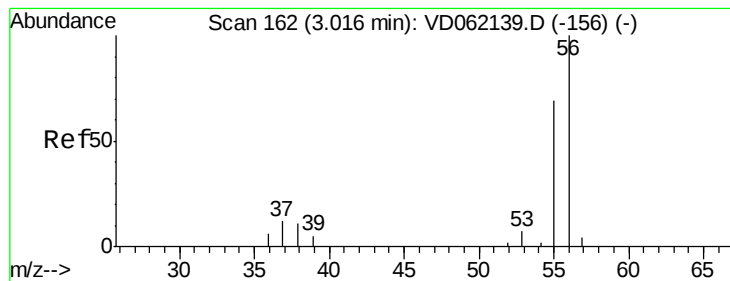
Tot Ion: 59 Resp: 28453
Ion Ratio Lower Upper
59 100
57 8.9 6.9 10.3



#12
1,1-Dichloroethene
Concen: 16.369 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.03 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Tgt Ion: 96 Resp: 78850
Ion Ratio Lower Upper
96 100
61 198.6 129.8 194.8#
98 71.1 51.2 76.8





#13

Acrolein

Concen: 55.979 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.03 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

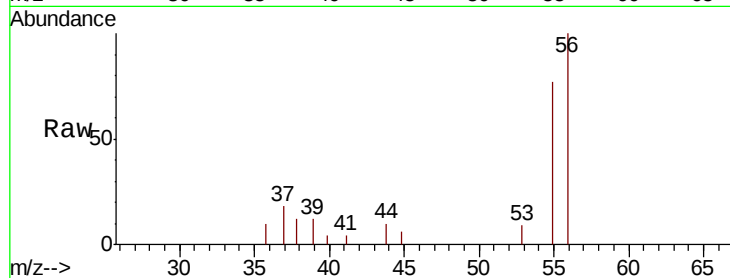
ClientSampleId :

Tot Ion: 56 Resp: 17351

Ion Ratio Lower Upper

56 100

55 77.4 51.4 77.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

8000

6000

4000

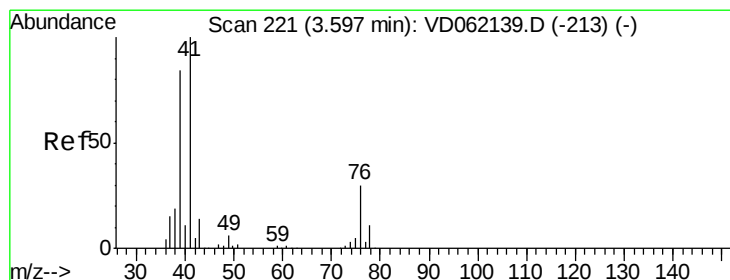
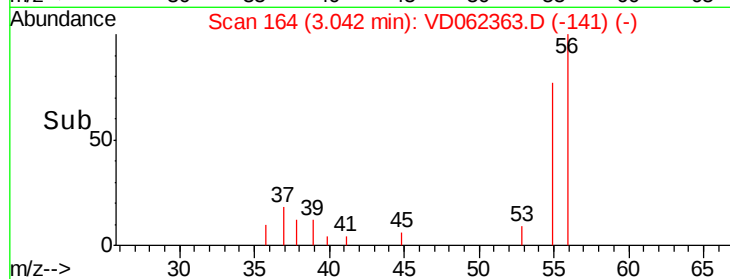
2000

0

Time-->

3.00

3.10



#14

Allyl chloride

Concen: 18.444 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.04 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

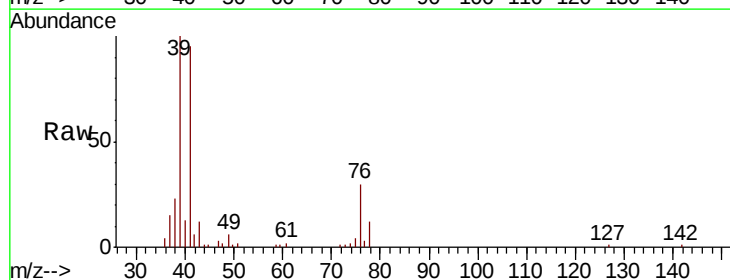
Tgt Ion: 41 Resp: 129174

Ion Ratio Lower Upper

41 100

39 105.8 60.5 90.7#

76 32.1 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

60000

50000

40000

30000

20000

10000

0

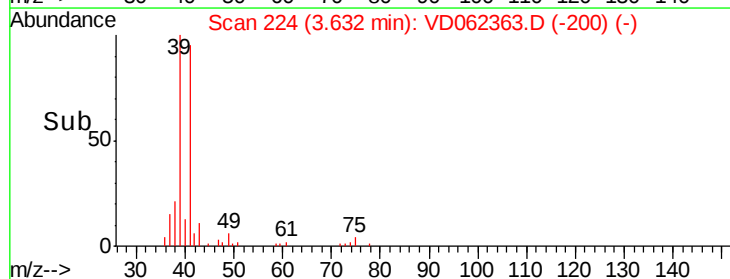
Time-->

3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 91.172 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.05 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

ClientSampled :

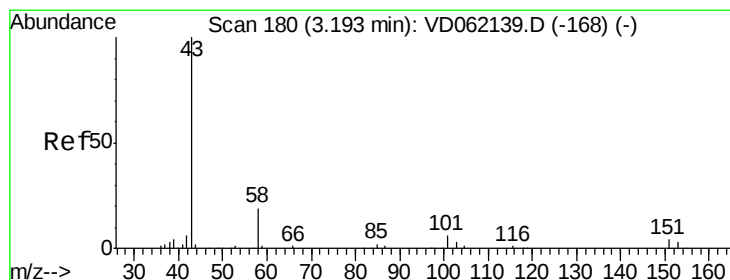
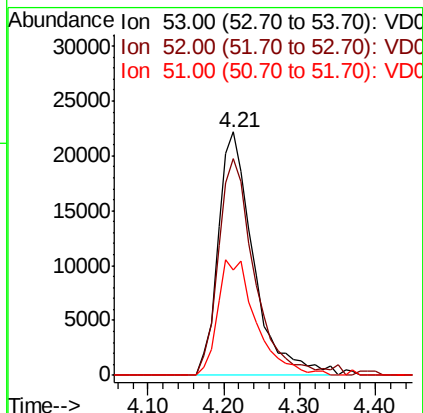
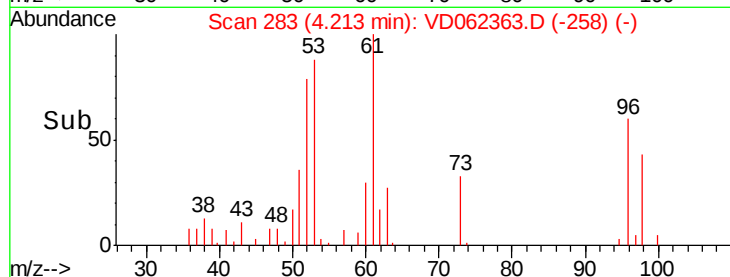
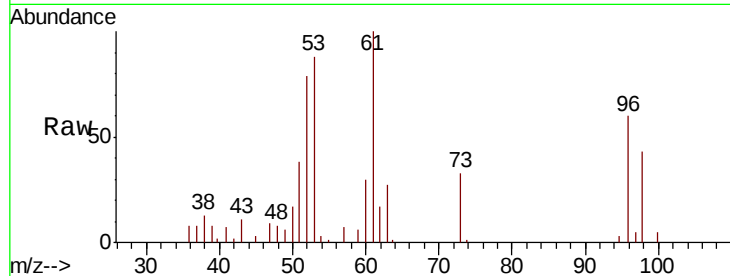
Tot Ion: 53 Resp: 71814

Ion Ratio Lower Upper

53 100

52 89.1 65.0 97.4

51 43.3 32.6 48.8



#16

Acetone

Concen: 105.604 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.05 min

Lab File: VD062363.D

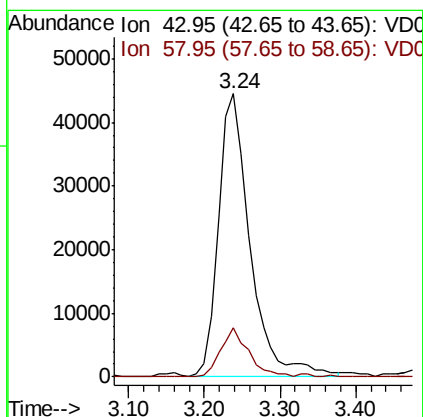
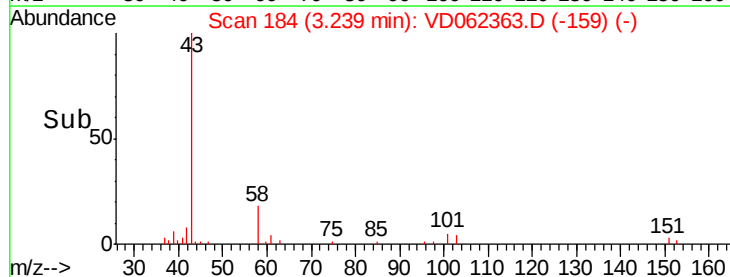
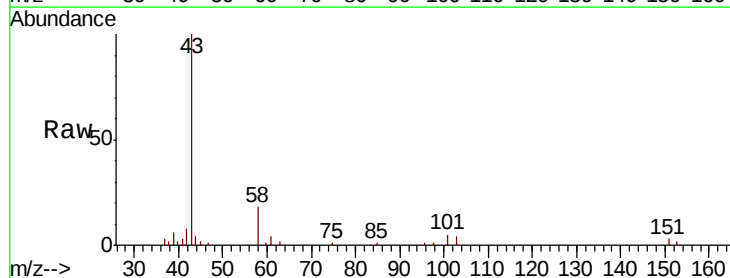
Acq: 15 May 2019 00:19

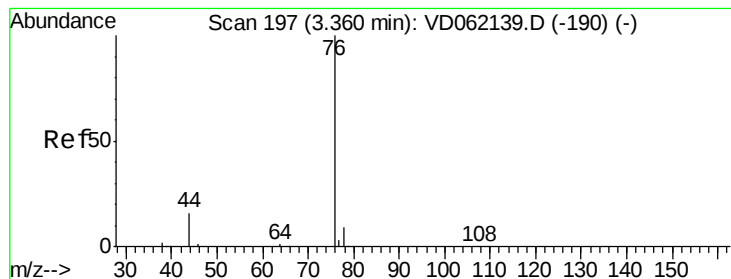
Tgt Ion: 43 Resp: 130017

Ion Ratio Lower Upper

43 100

58 17.5 19.9 29.9#





#17

Carbon Disulfide

Concen: 14.074 ug/l

RT: 3.39 min Scan# 199

Delta R.T. 0.03 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

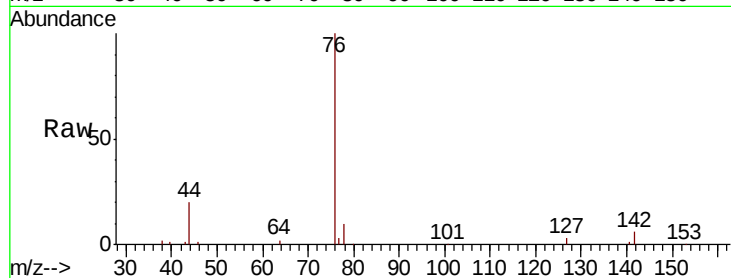
ClientSampleId :

Tot Ion: 76 Resp: 195024

Ion Ratio Lower Upper

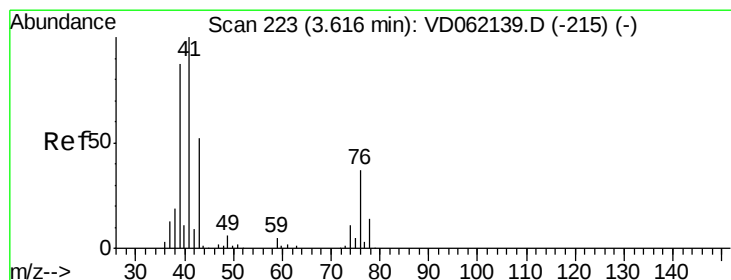
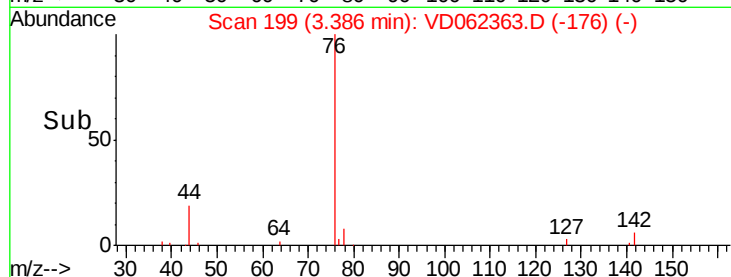
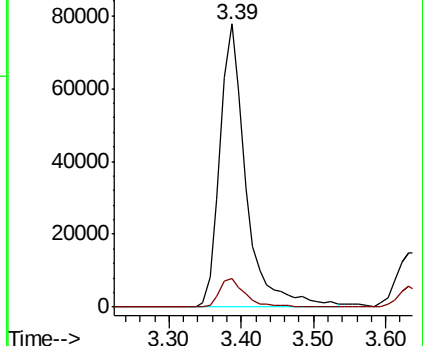
76 100

78 9.9 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: 23.654 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.04 min

Lab File: VD062363.D

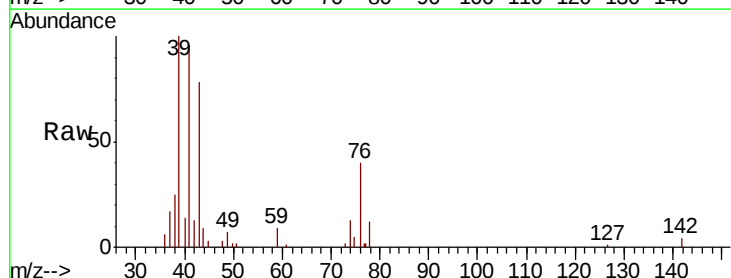
Acq: 15 May 2019 00:19

Tgt Ion: 43 Resp: 52436

Ion Ratio Lower Upper

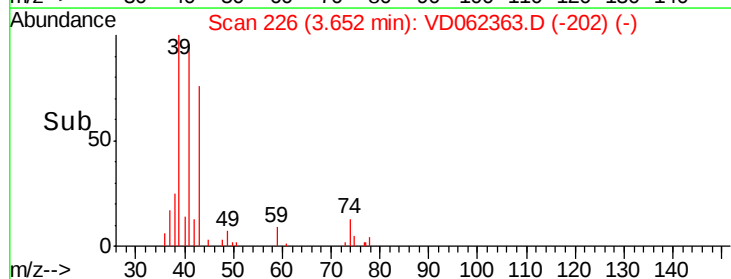
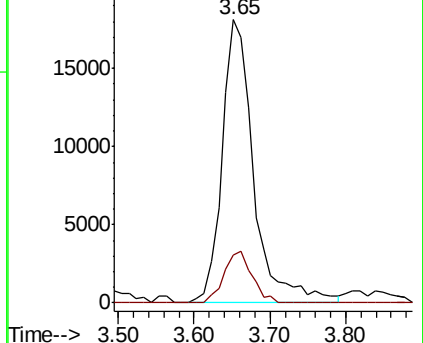
43 100

74 17.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

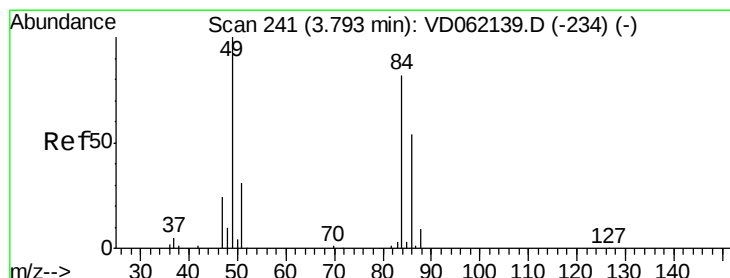
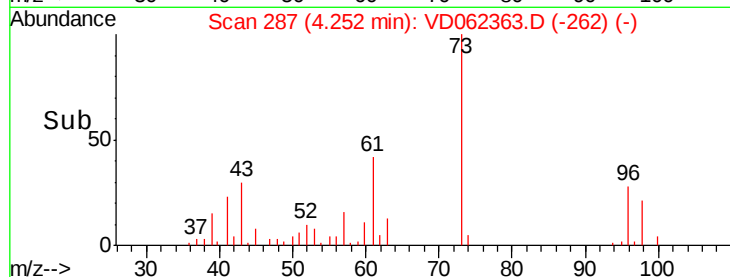
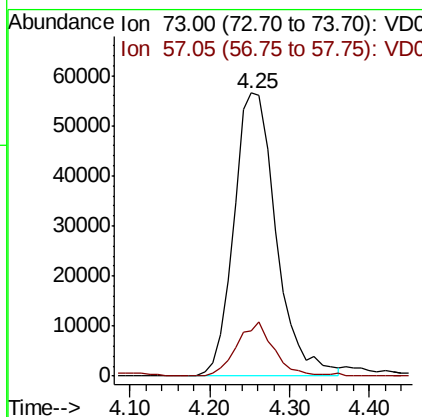
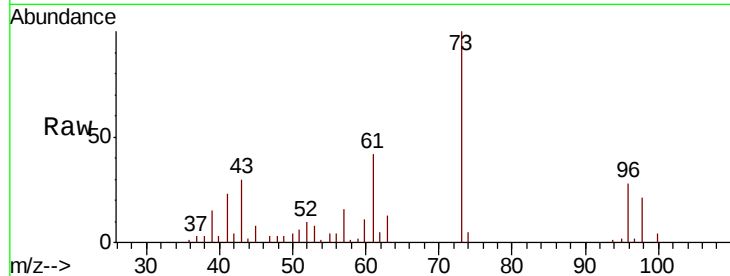




#19
Methyl tert-butyl Ether
Concen: 20.117 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.05 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

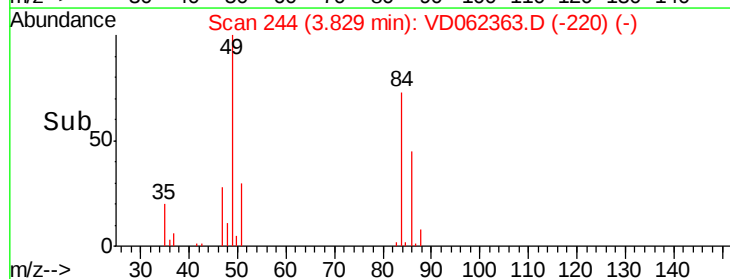
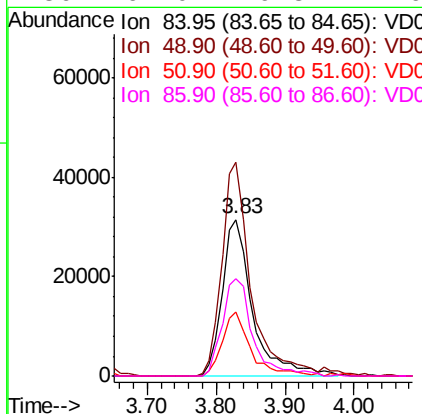
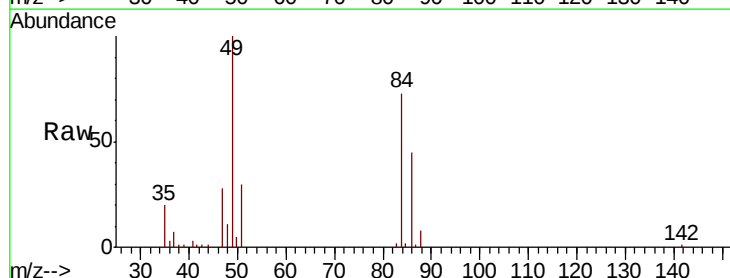
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 73 Resp: 207704
Ion Ratio Lower Upper
73 100
57 16.2 16.3 24.5#



#20
Methylene Chloride
Concen: 18.642 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.04 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Tgt Ion: 84 Resp: 95832
Ion Ratio Lower Upper
84 100
49 136.7 94.0 141.0
51 41.2 29.0 43.4
86 62.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.392 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.04 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

ClientSampleId :

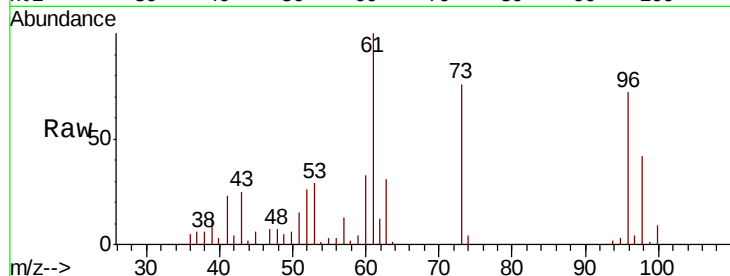
Tot Ion: 96 Resp: 93221

Ion Ratio Lower Upper

96 100

61 139.4 104.4 156.6

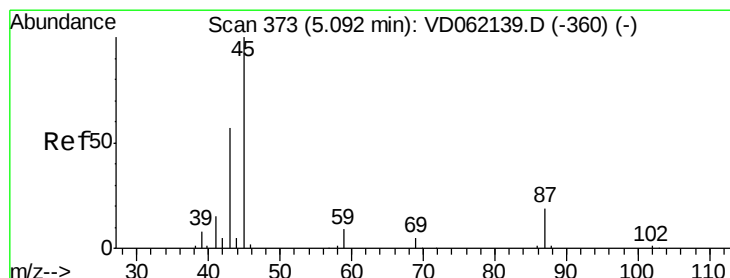
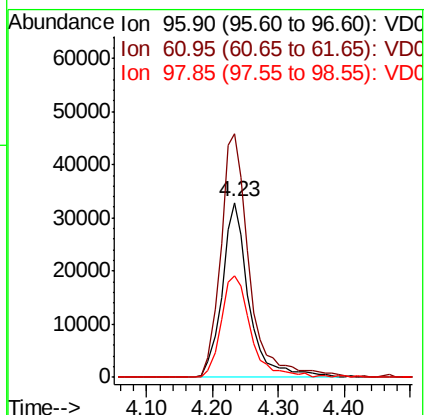
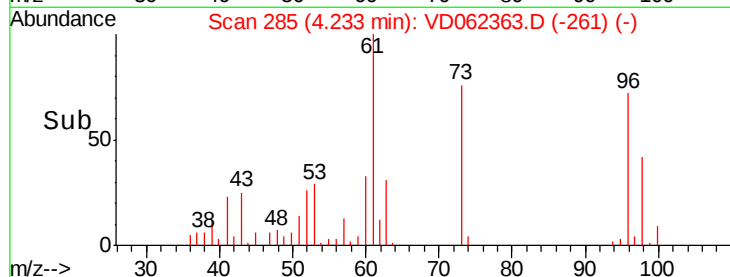
98 57.9 51.8 77.8



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: 18.833 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.05 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Tgt Ion: 45 Resp: 280687

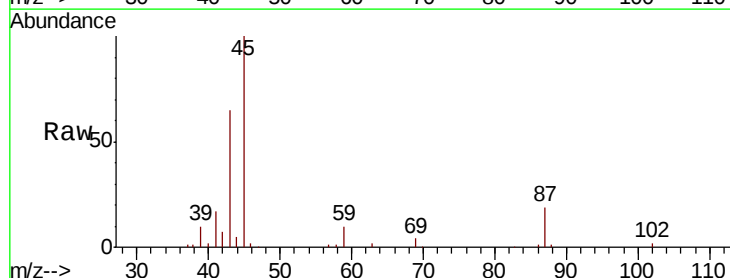
Ion Ratio Lower Upper

45 100

43 65.4 46.2 69.2

87 19.4 15.9 23.9

59 9.8 7.9 11.9

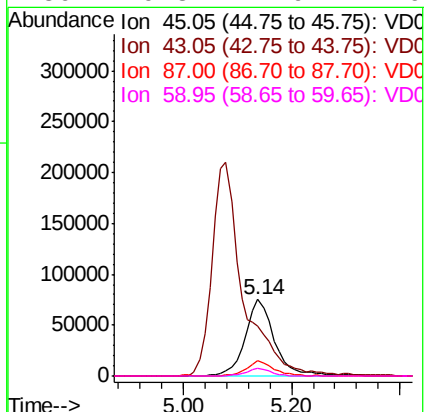
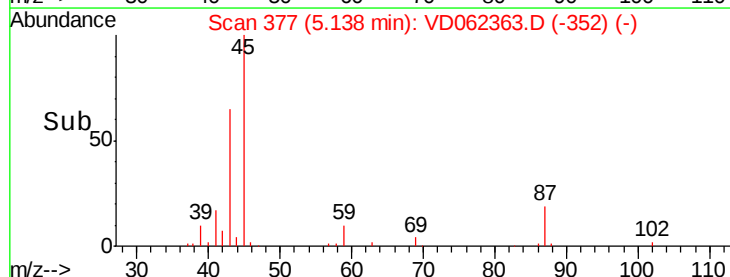


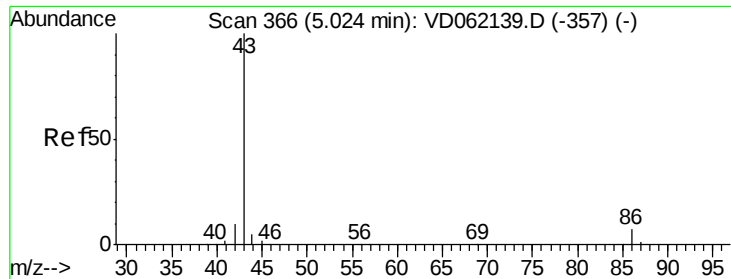
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 104.257 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.06 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

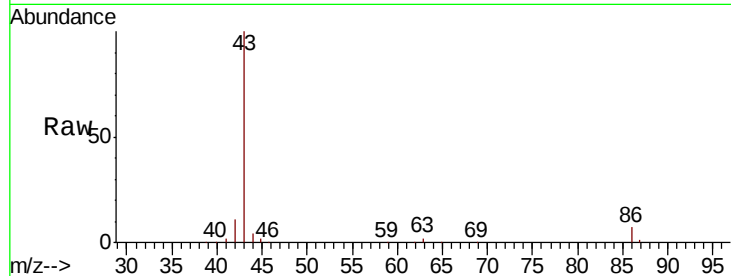
ClientSampleId :

Tot Ion: 43 Resp: 819815

Ion Ratio Lower Upper

43 100

86 6.5 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

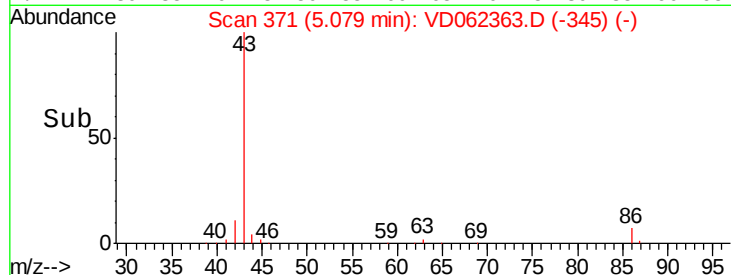
150000

100000

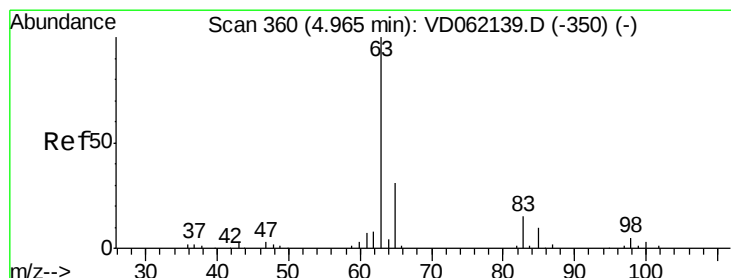
50000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 19.647 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.04 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

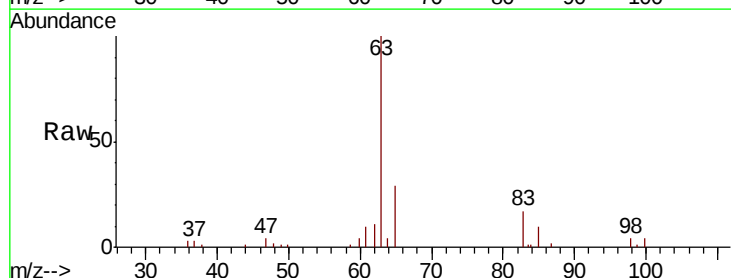
Tgt Ion: 63 Resp: 176644

Ion Ratio Lower Upper

63 100

98 4.8 2.8 8.4

100 3.9 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

60000

50000

40000

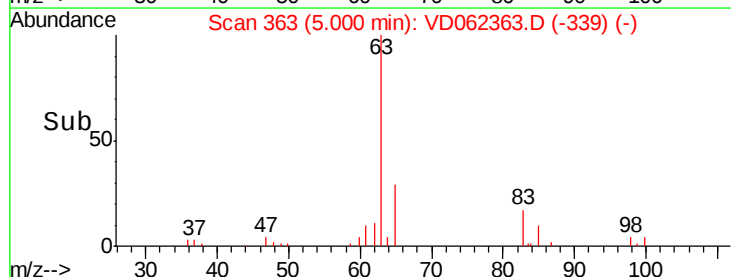
30000

20000

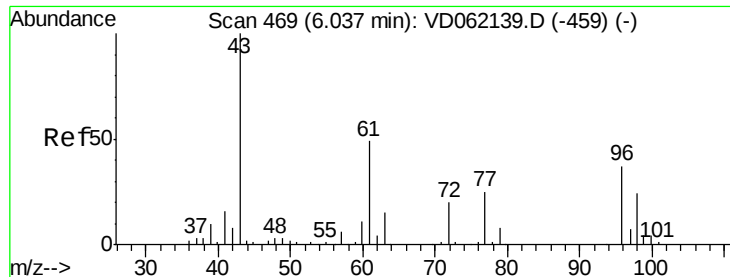
10000

0

Time-->



Time-->



#25

2-Butanone

Concen: 99.486 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.05 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

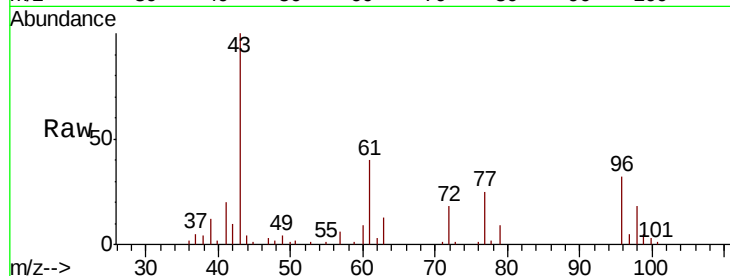
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 133601

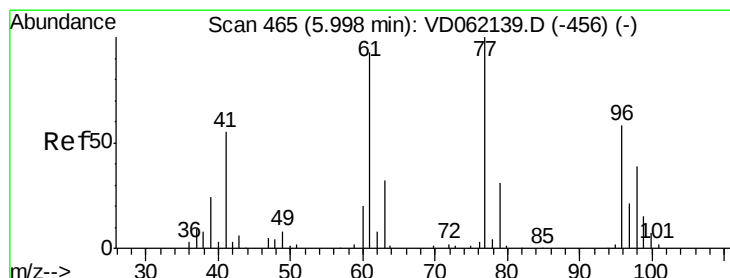
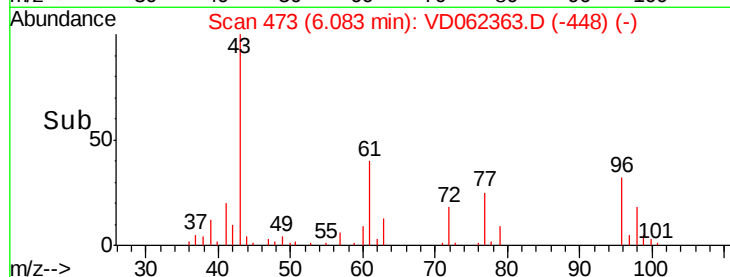
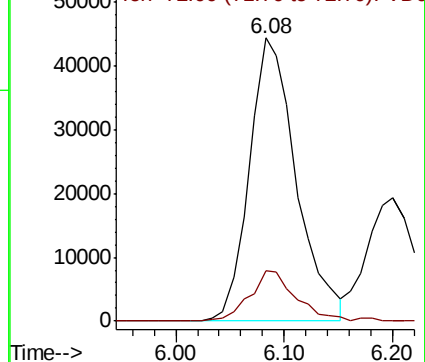
Ion Ratio Lower Upper

43 100

72 17.8 16.2 24.4



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



#26

2,2-Dichloropropane

Concen: 20.359 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.04 min

Lab File: VD062363.D

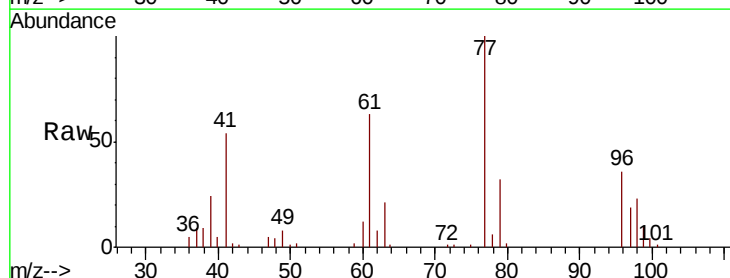
Acq: 15 May 2019 00:19

Tgt Ion: 77 Resp: 182336

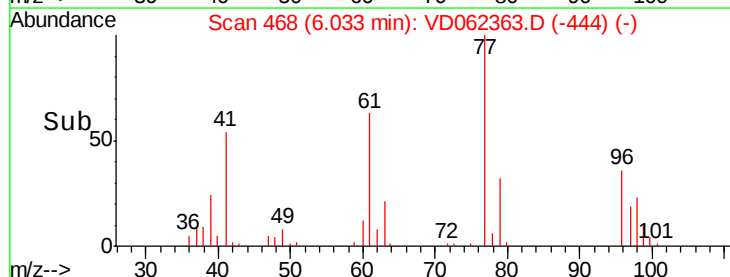
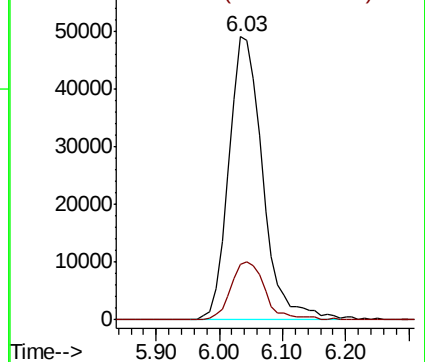
Ion Ratio Lower Upper

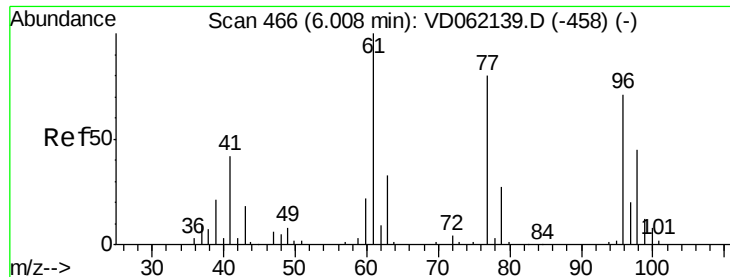
77 100

97 19.4 11.9 35.9



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



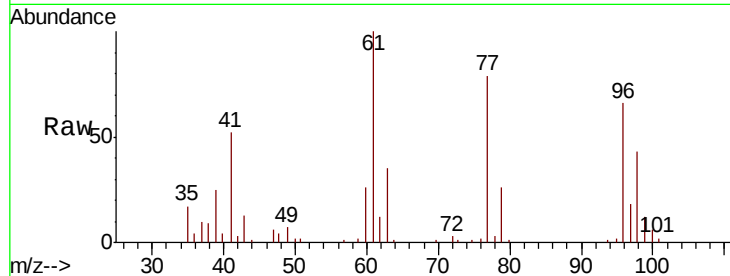


#27

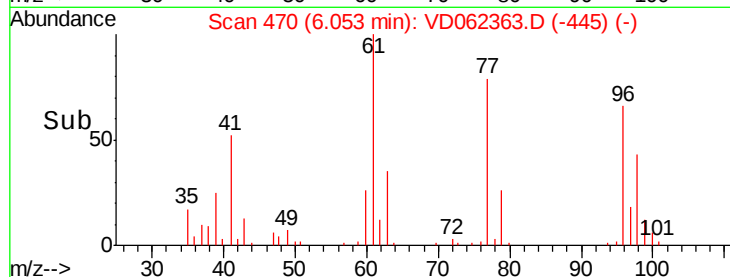
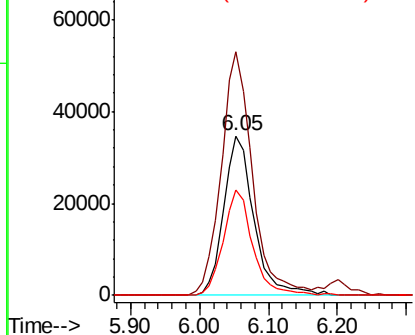
cis-1,2-Dichloroethene
Concen: 17.584 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.05 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	96	Resp	105496
Ion	Ratio	Lower	Upper
96	100		
61	152.5	0.0	279.8
98	65.7	0.0	136.0



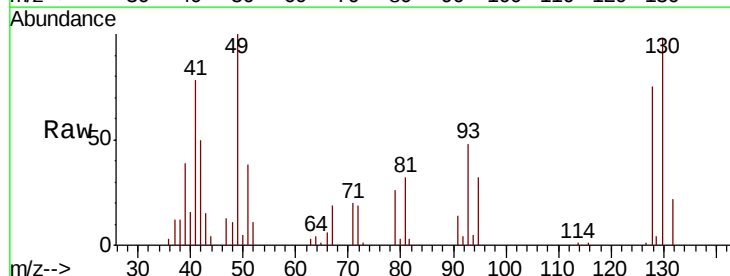
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



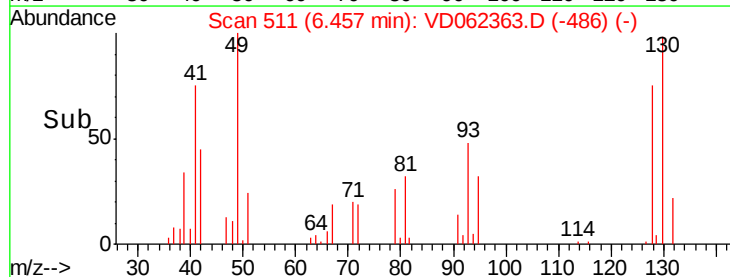
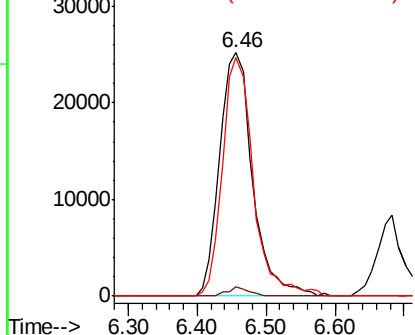
#28

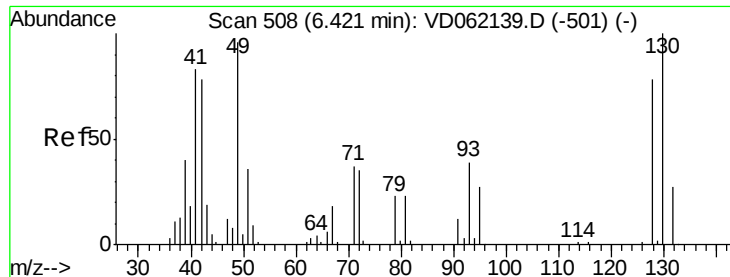
Bromochloromethane
Concen: 23.632 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.05 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Tgt Ion	49	Resp	83596
Ion	Ratio	Lower	Upper
49	100		
129	4.0	0.0	6.6
130	97.8	86.7	130.1



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

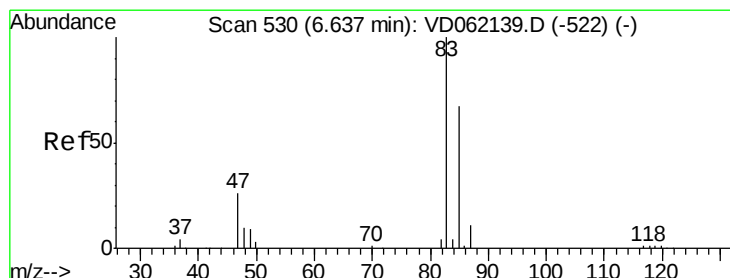
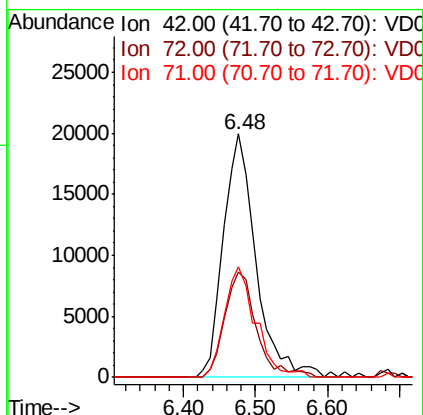
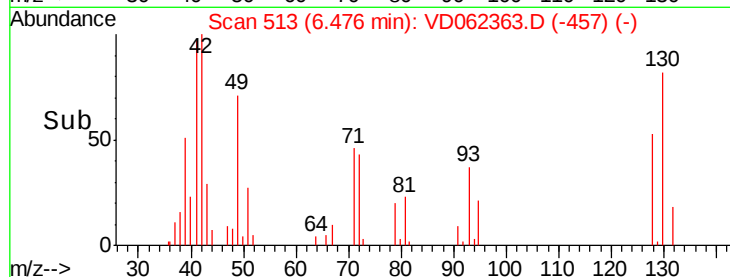
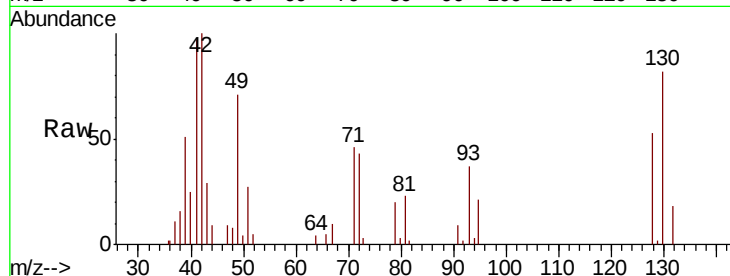




#29
Tetrahydrofuran
Concen: 101.550 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.06 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

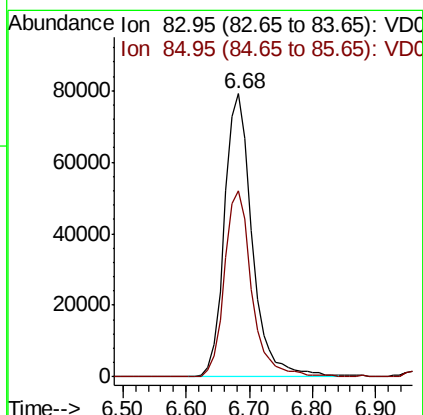
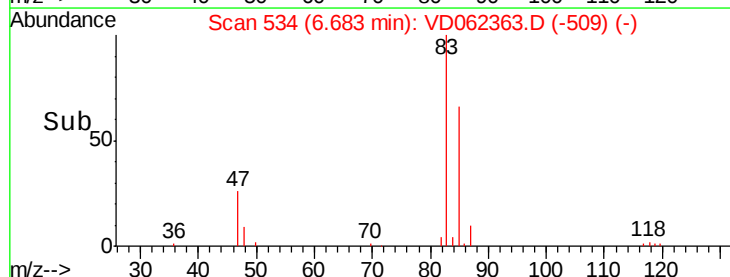
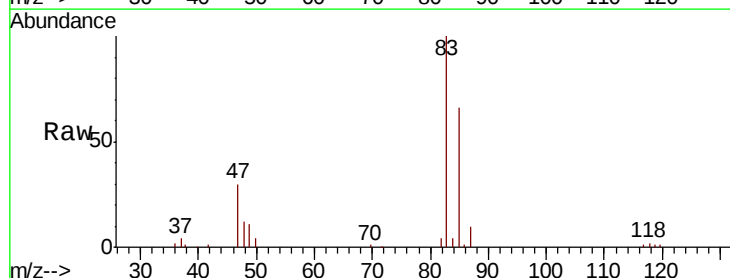
Instrument :
MSVOA_D
ClientSampleId :

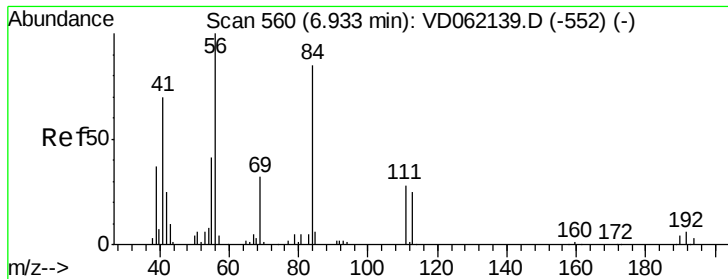
Tot Ion: 42 Resp: 62835
Ion Ratio Lower Upper
42 100
72 41.9 37.8 56.6
71 43.4 36.7 55.1



#30
Chloroform
Concen: 22.207 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.05 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Tgt Ion: 83 Resp: 240627
Ion Ratio Lower Upper
83 100
85 65.7 51.7 77.5

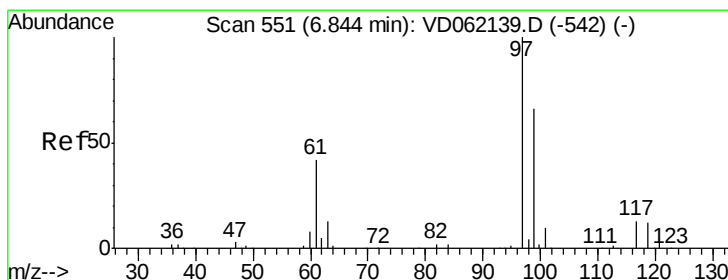
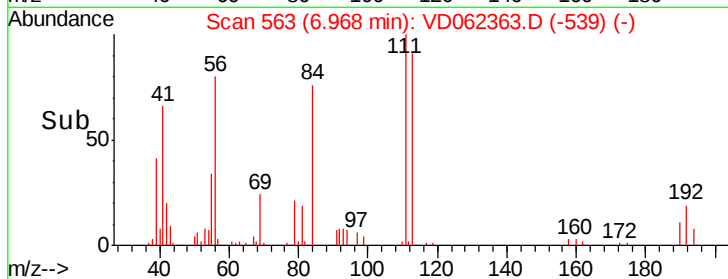
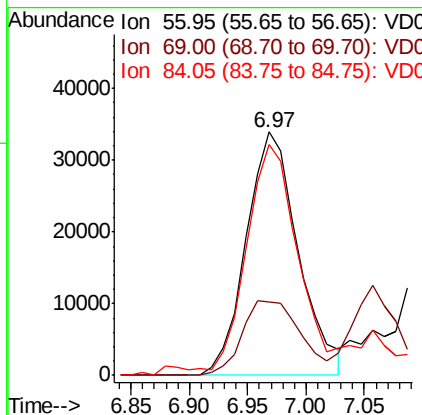
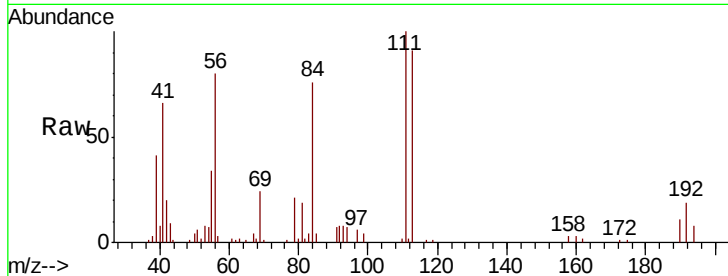




#31
Cvclohexane
Concen: 17.028 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.04 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

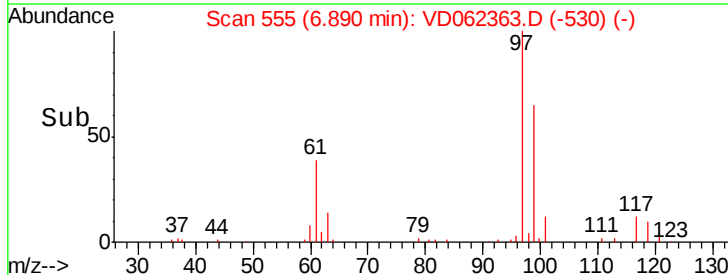
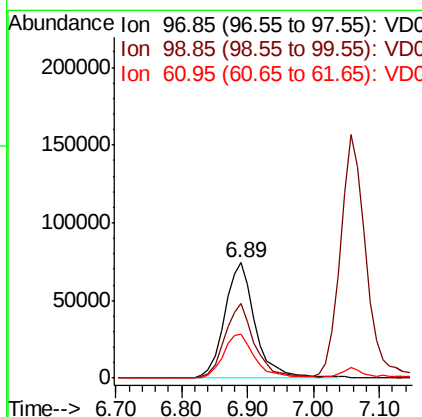
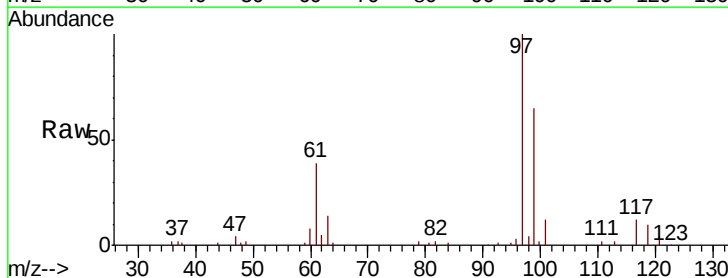
Instrument :
MSVOA_D
ClientSampleId :

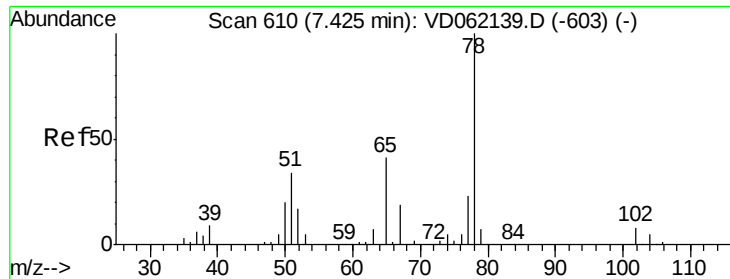
Tot Ion: 56 Resp: 104885
Ion Ratio Lower Upper
56 100
69 30.1 25.8 38.6
84 94.7 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 23.485 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.05 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Tgt Ion: 97 Resp: 240525
Ion Ratio Lower Upper
97 100
99 64.9 52.2 78.2
61 38.6 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 54.346 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.05 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

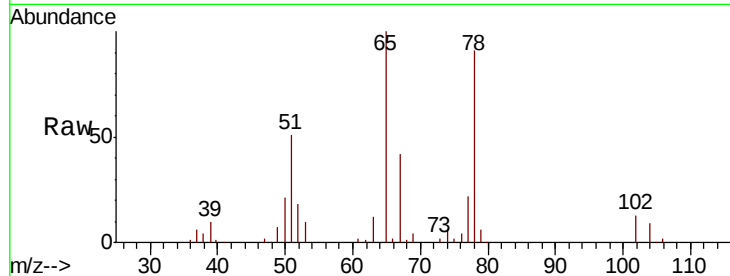
ClientSampled :

Tot Ion: 65 Resp: 319056

Ion Ratio Lower Upper

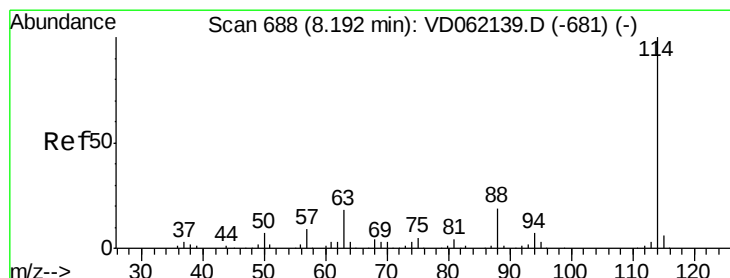
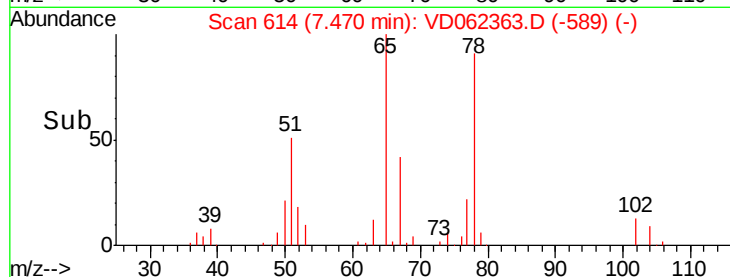
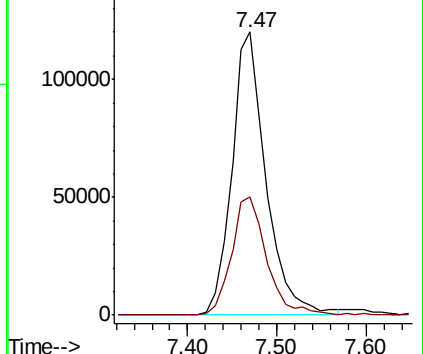
65 100

67 42.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.05 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

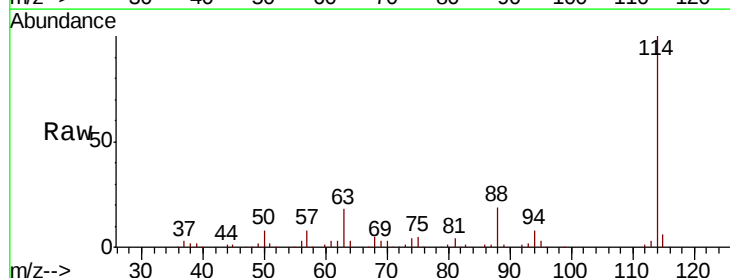
Tgt Ion: 114 Resp: 839990

Ion Ratio Lower Upper

114 100

63 18.0 0.0 32.4

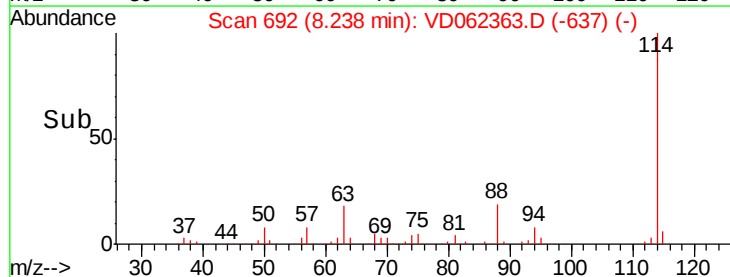
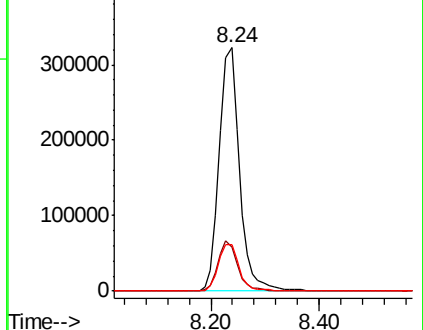
88 19.3 0.0 33.6

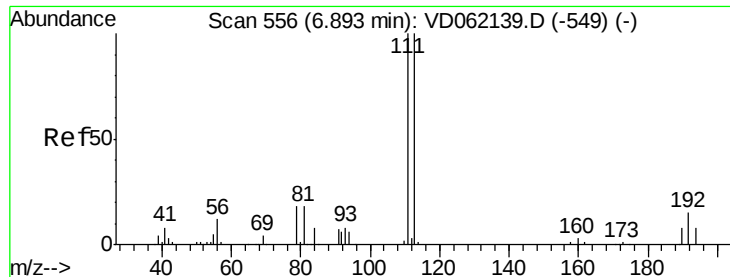


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 47.863 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.05 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

ClientSampleId :

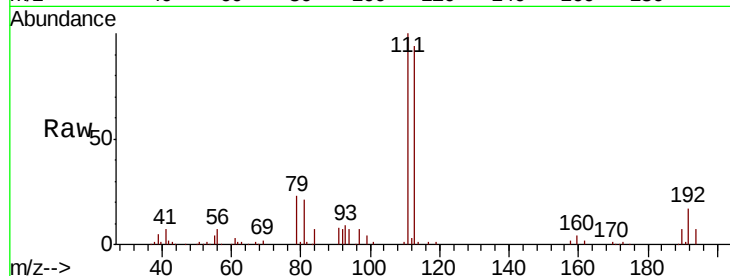
Tot Ion:113 Resp: 333583

Ion Ratio Lower Upper

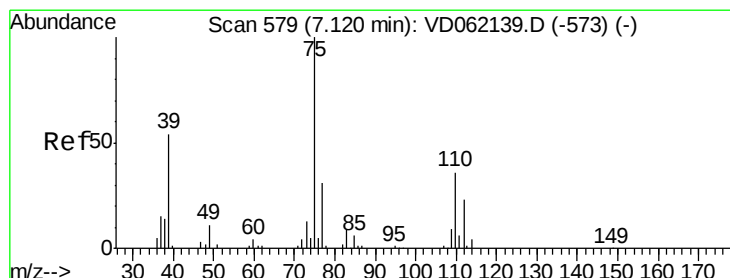
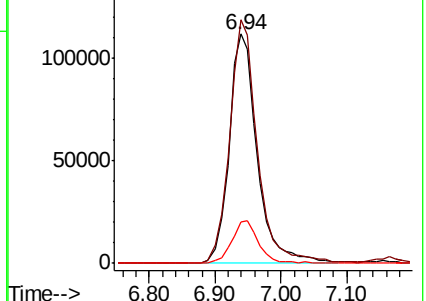
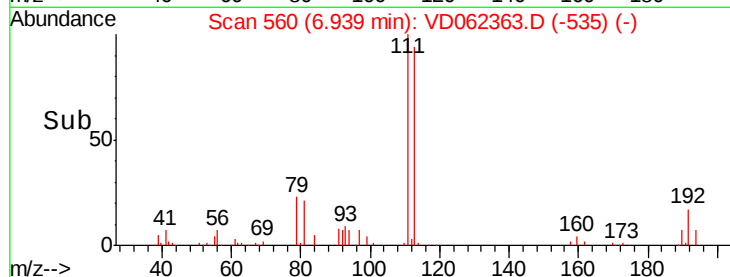
113 100

111 106.3 78.5 117.7

192 17.9 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.629 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.04 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

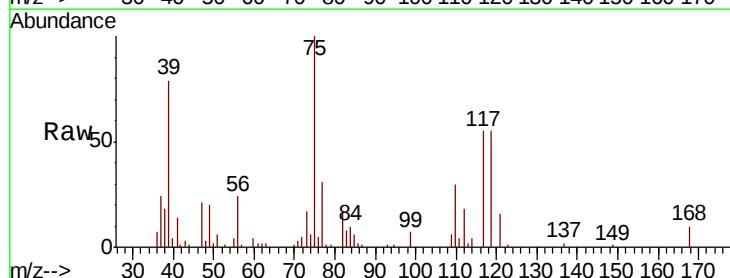
Tgt Ion: 75 Resp: 148960

Ion Ratio Lower Upper

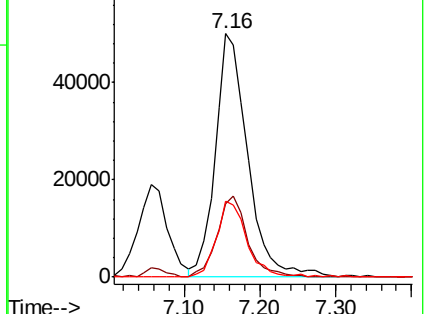
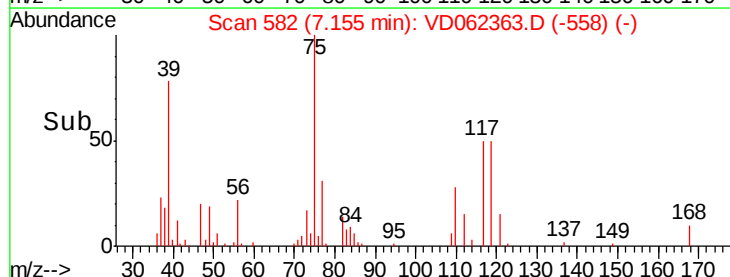
75 100

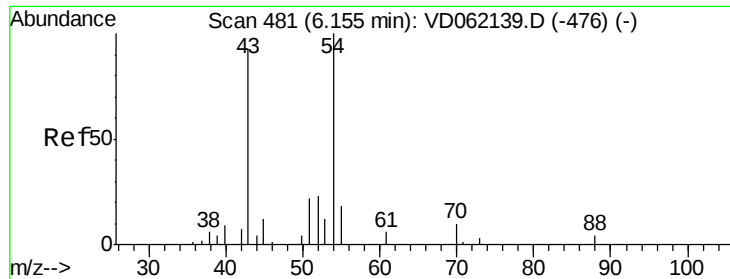
110 30.1 19.1 57.1

77 31.2 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: 22.426 ug/l

RT: 6.20 min Scan# 485

Delta R.T. 0.05 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

ClientSampleId :

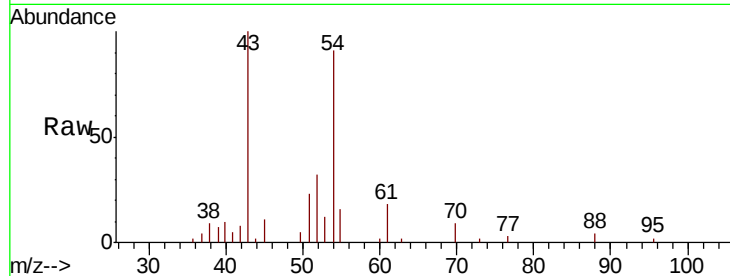
Tot Ion: 43 Resp: 65500

Ion Ratio Lower Upper

43 100

61 18.3 14.7 22.1

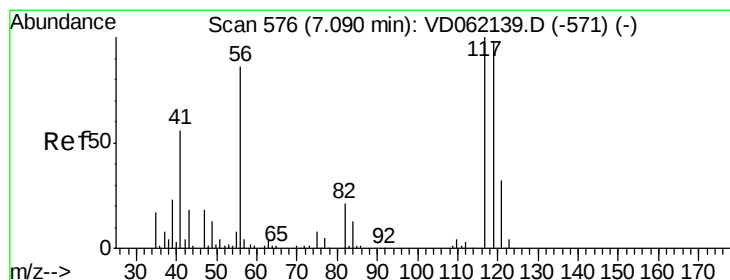
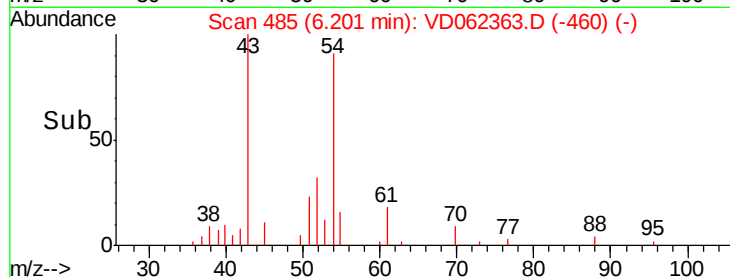
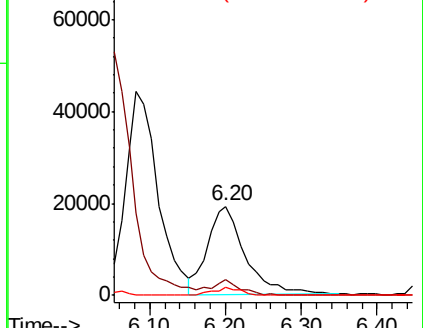
70 9.0 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VD062363.D (-476) (-)

Ion 60.95 (60.65 to 61.65): VD062363.D (-476) (-)

Ion 70.00 (69.70 to 70.70): VD062363.D (-476) (-)



#38

Carbon Tetrachloride

Concen: 23.906 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.04 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

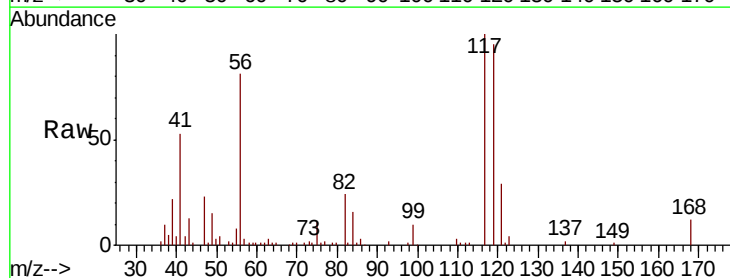
Tgt Ion: 117 Resp: 227877

Ion Ratio Lower Upper

117 100

119 95.2 75.8 113.8

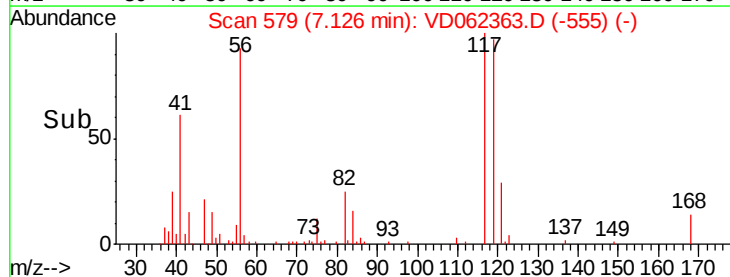
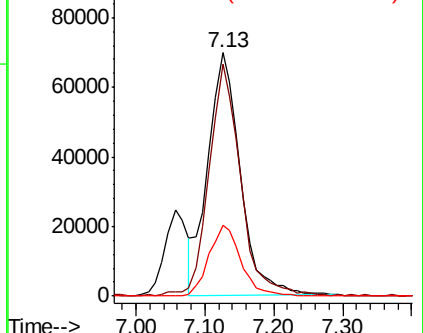
121 29.2 25.9 38.9

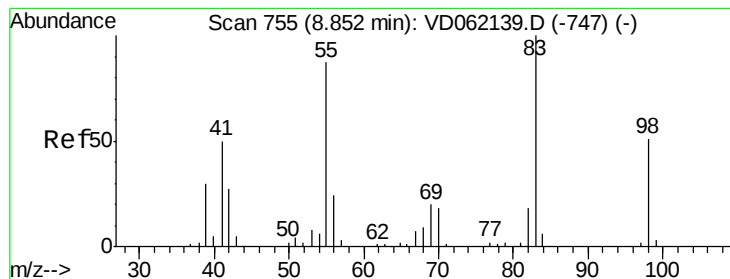


Abundance Ion 116.85 (116.55 to 117.55): VD062363.D (-555) (-)

Ion 118.85 (118.55 to 119.55): VD062363.D (-555) (-)

Ion 120.85 (120.55 to 121.55): VD062363.D (-555) (-)





#39

Methvlcvclohexane

Concen: 19.986 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.03 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

ClientSampleId :

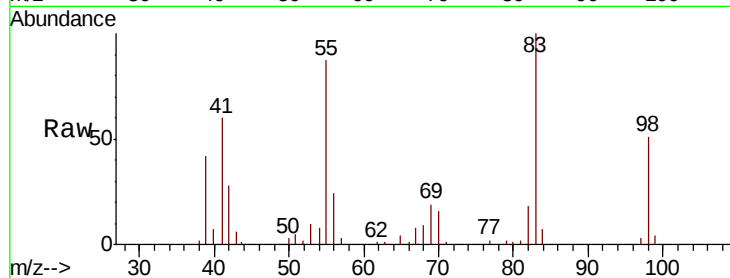
Tot Ion: 83 Resp: 131879

Ion Ratio Lower Upper

83 100

55 86.5 68.2 102.4

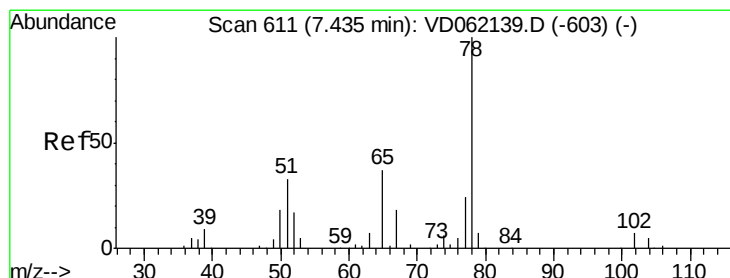
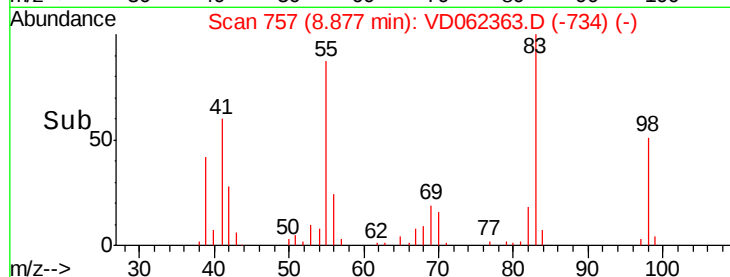
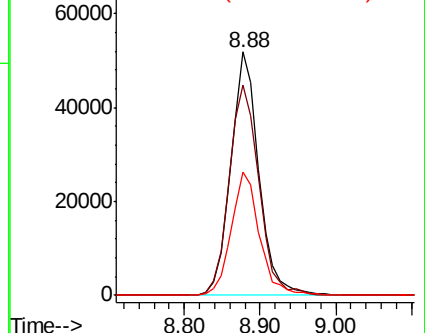
98 50.9 38.2 57.4



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: 19.345 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062363.D

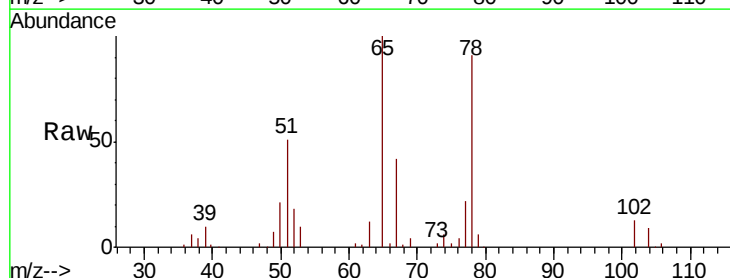
Acq: 15 May 2019 00:19

Tgt Ion: 78 Resp: 300847

Ion Ratio Lower Upper

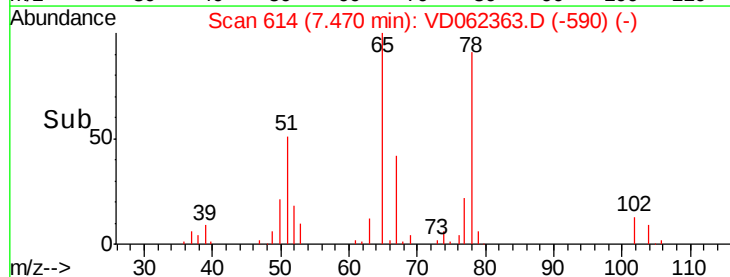
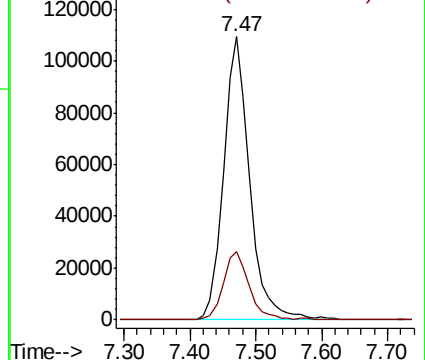
78 100

77 24.4 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

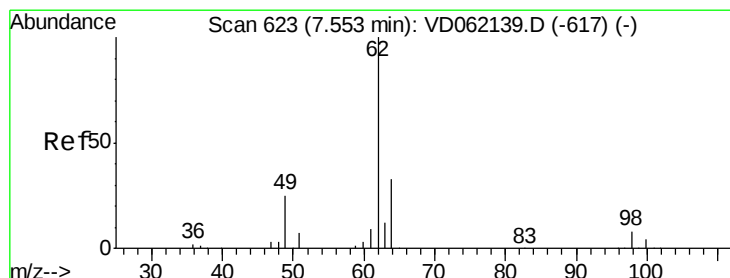
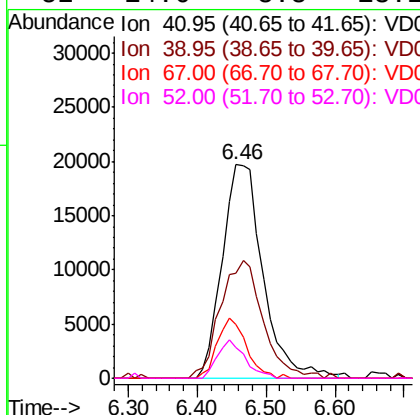
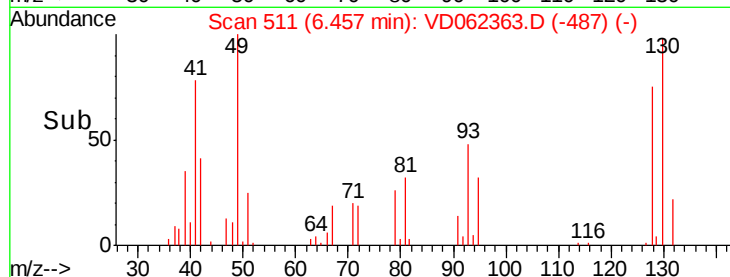
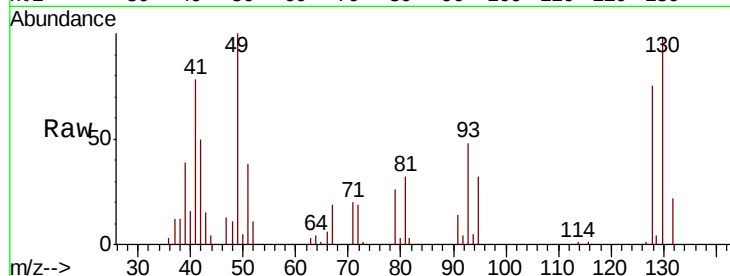




#41
Methacrylonitrile
Concen: 22.609 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

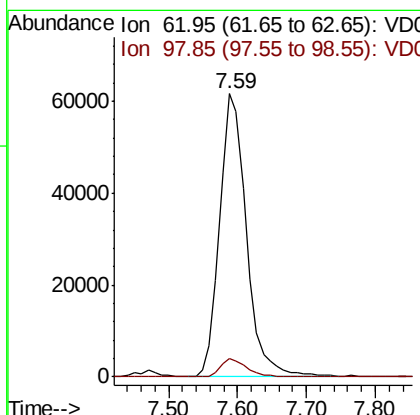
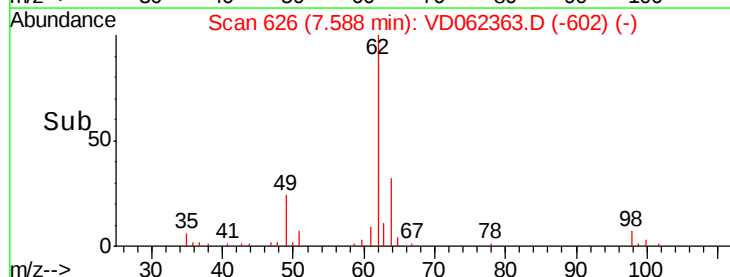
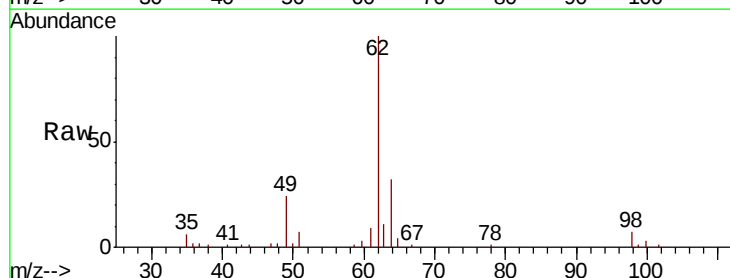
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 41 Resp: 80696
Ion Ratio Lower Upper
41 100
39 49.3 34.1 51.1
67 24.9 23.8 35.6
52 14.6 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 25.239 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.04 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Tgt Ion: 62 Resp: 166302
Ion Ratio Lower Upper
62 100
98 6.7 0.0 17.8





#43

Isopropyl Acetate

Concen: 21.396 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.04 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

ClientSampleId :

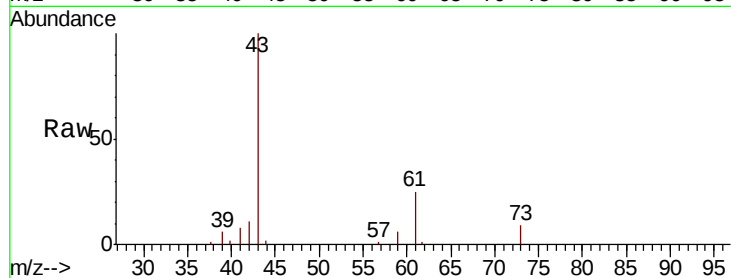
Tot Ion: 43 Resp: 88626

Ion Ratio Lower Upper

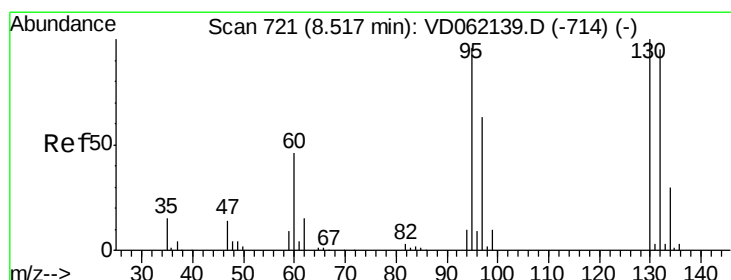
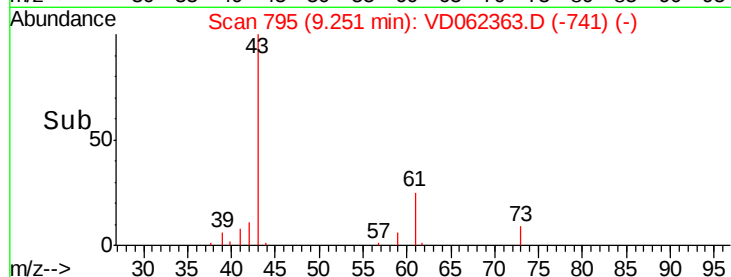
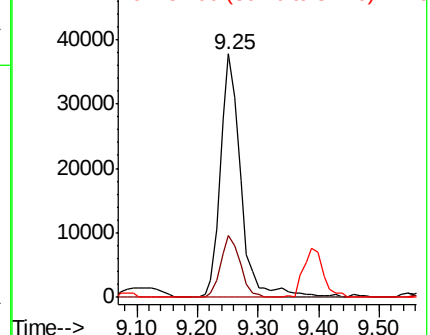
43 100

61 25.2 25.1 37.7

87 0.0 0.0 0.0



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



#44

Trichloroethene

Concen: 19.031 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.04 min

Lab File: VD062363.D

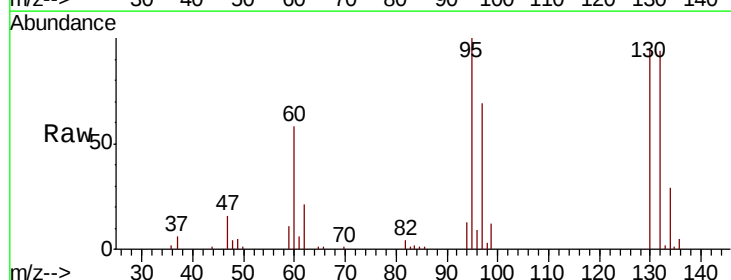
Acq: 15 May 2019 00:19

Tgt Ion:130 Resp: 112782

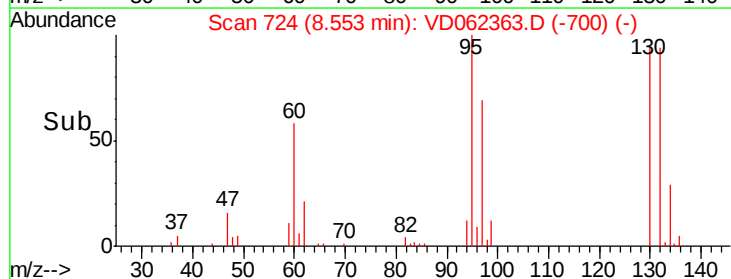
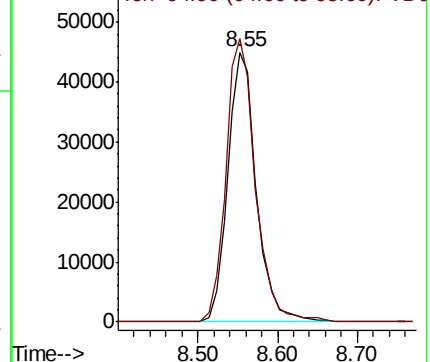
Ion Ratio Lower Upper

130 100

95 105.1 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 20.294 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.04 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

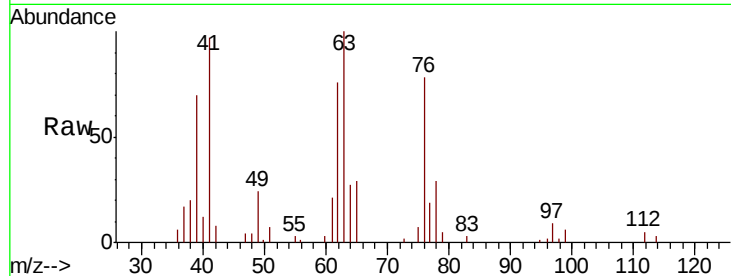
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 63 Resp: 78066

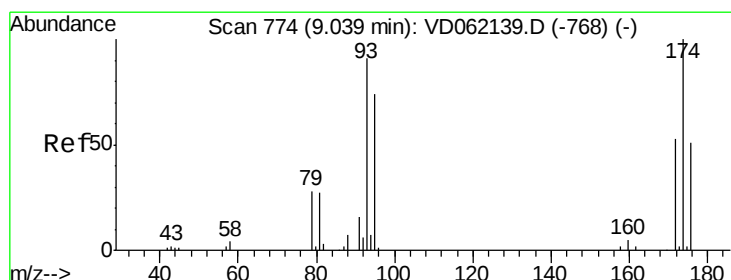
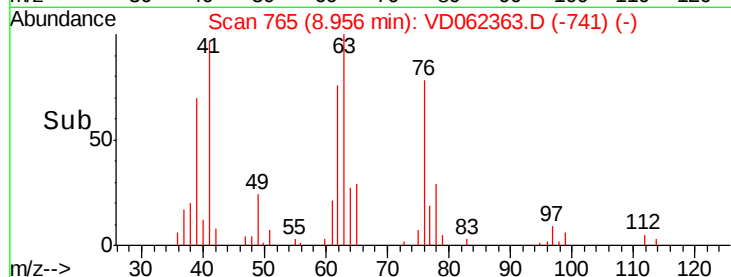
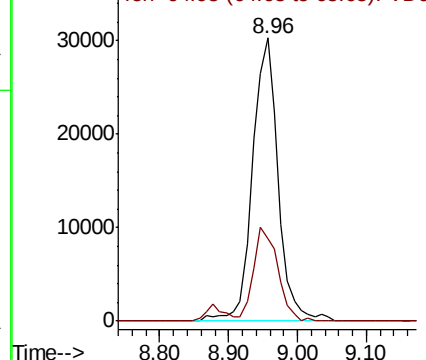
Ion Ratio Lower Upper

63 100

65 29.2 23.8 35.6



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



#46

Dibromomethane

Concen: 21.747 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.04 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

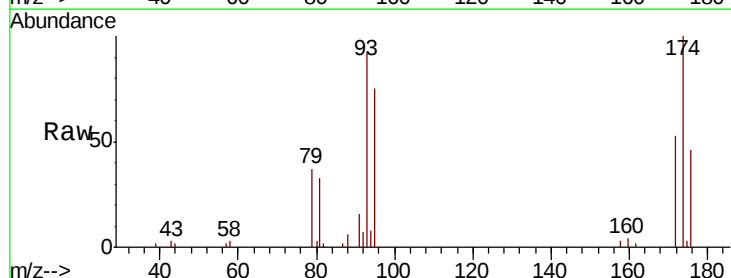
Tgt Ion: 93 Resp: 68028

Ion Ratio Lower Upper

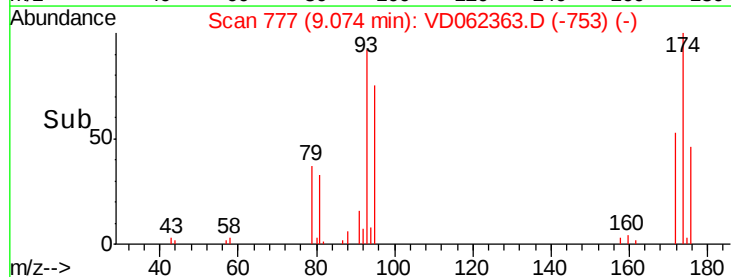
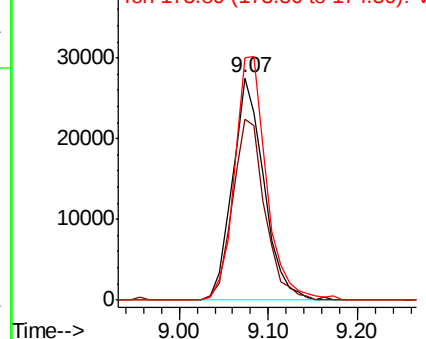
93 100

95 81.1 64.8 97.2

174 108.8 79.3 118.9



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





#47

Bromodichloromethane

Concen: 22.440 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.04 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

ClientSampleId :

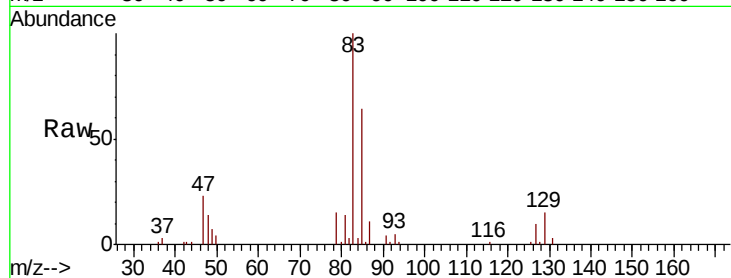
Tot Ion: 83 Resp: 171698

Ion Ratio Lower Upper

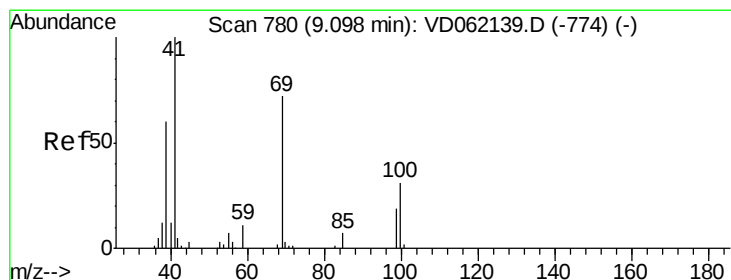
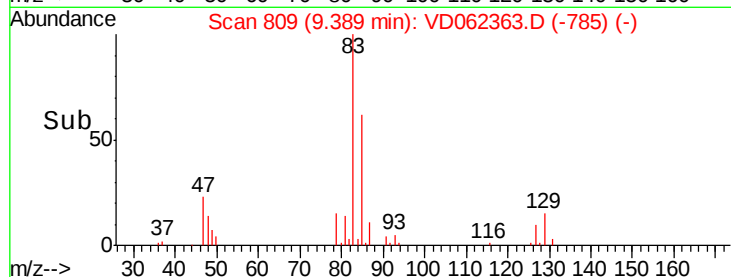
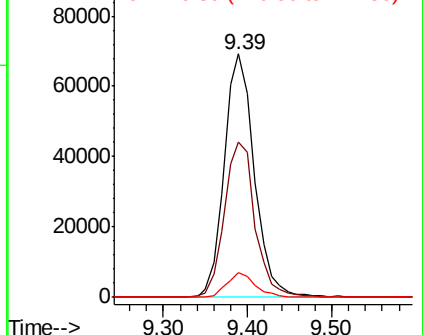
83 100

85 63.6 50.9 76.3

127 10.3 8.1 12.1



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



#48

Methyl methacrylate

Concen: 24.481 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.04 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

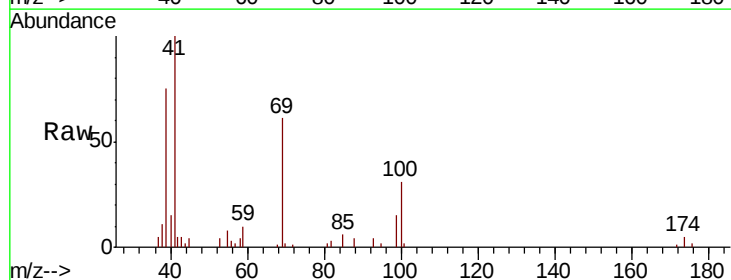
Tgt Ion: 41 Resp: 62463

Ion Ratio Lower Upper

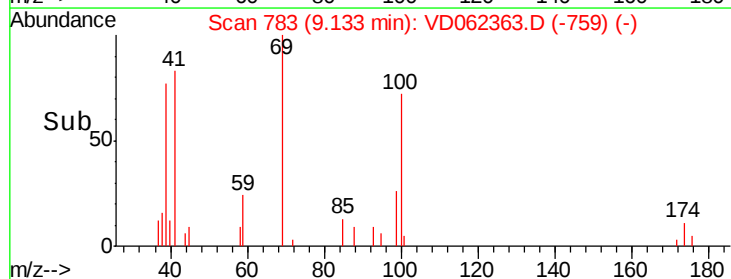
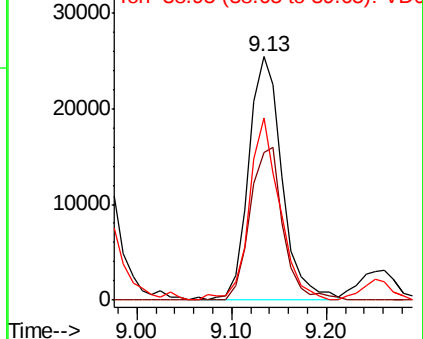
41 100

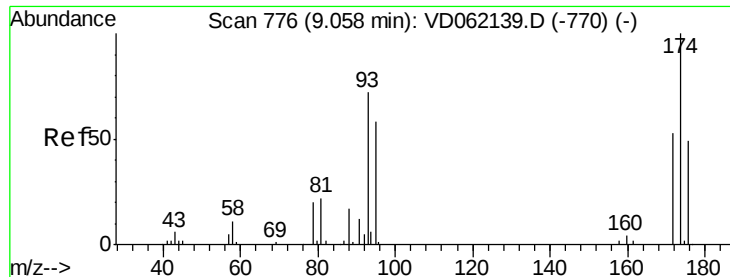
69 60.7 64.2 96.2#

39 74.6 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

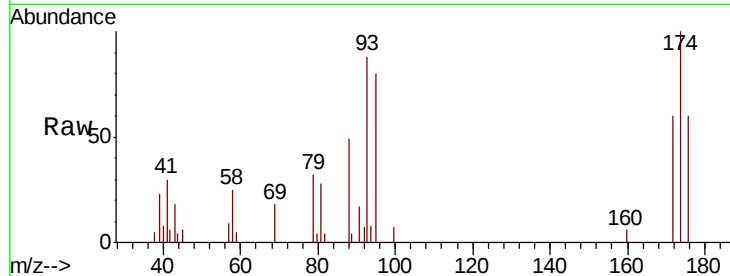




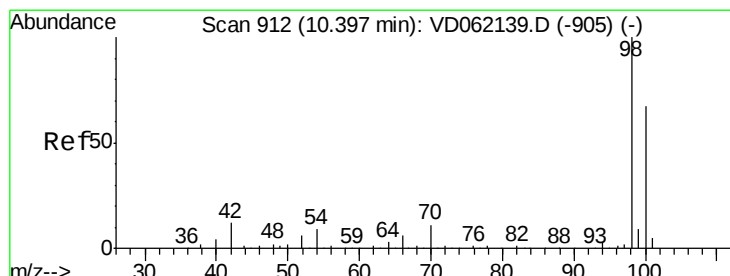
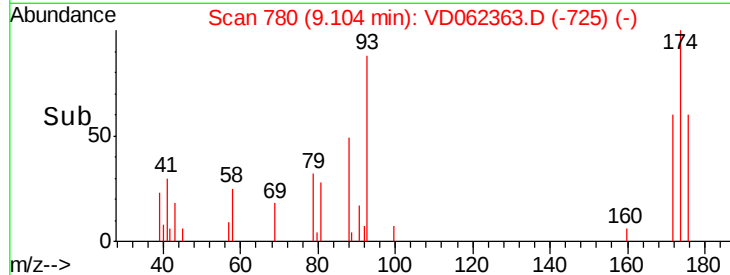
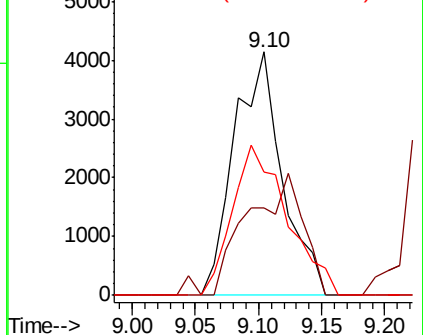
#49
1,4-Dioxane
Concen: 397.580 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.05 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 10945
Ion Ratio Lower Upper
88 100
43 36.1 23.4 35.0#
58 50.6 44.0 66.0

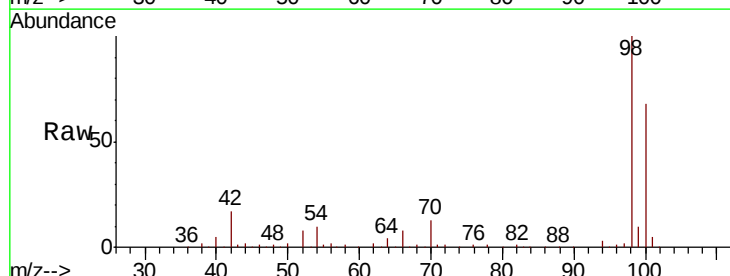


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

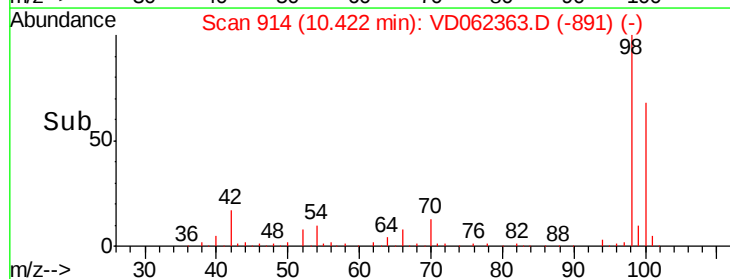
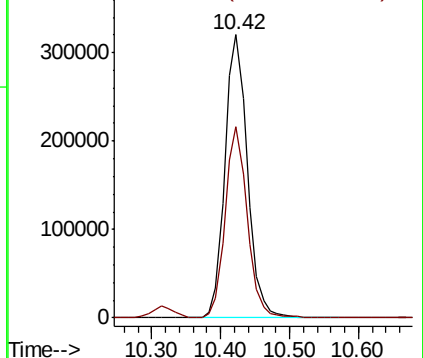


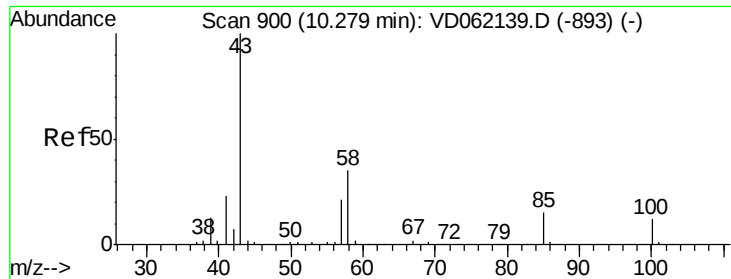
#50
Toluene-d8
Concen: 43.233 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Tgt Ion: 98 Resp: 726490
Ion Ratio Lower Upper
98 100
100 67.6 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: 102.587 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.04 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

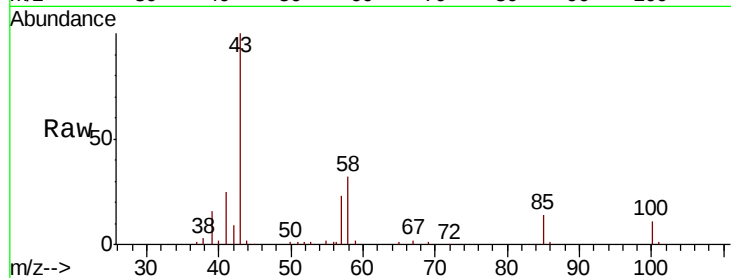
ClientSampled :

Tot Ion: 43 Resp: 273157

Ion Ratio Lower Upper

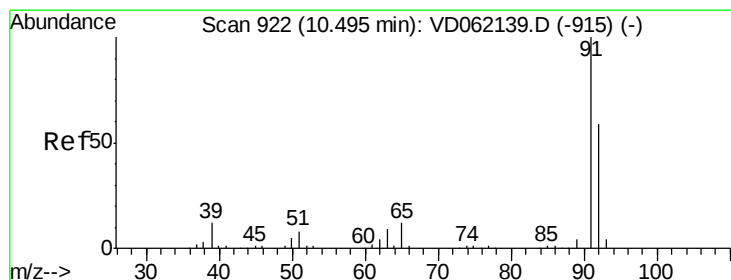
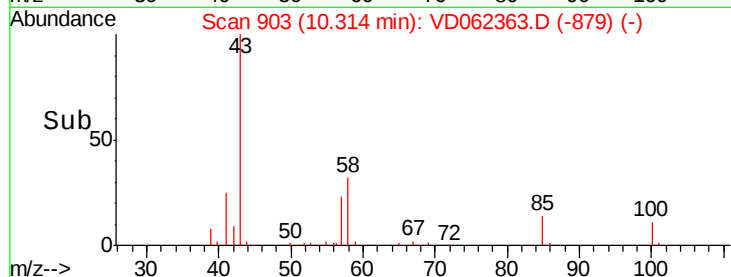
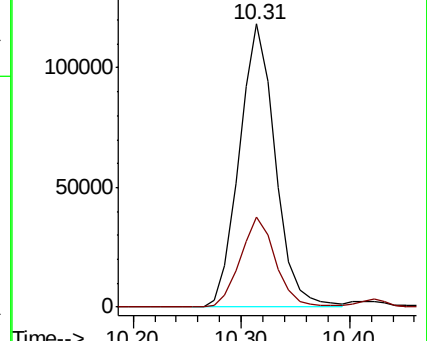
43 100

58 31.7 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.444 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD062363.D

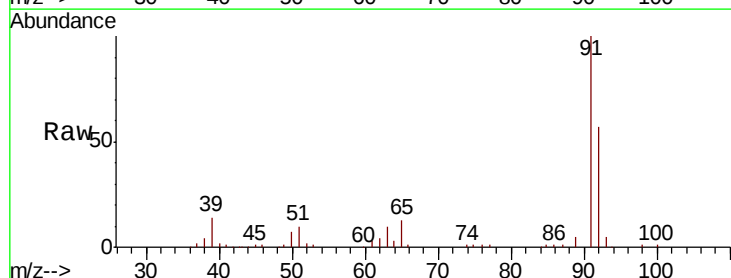
Acq: 15 May 2019 00:19

Tgt Ion: 92 Resp: 196749

Ion Ratio Lower Upper

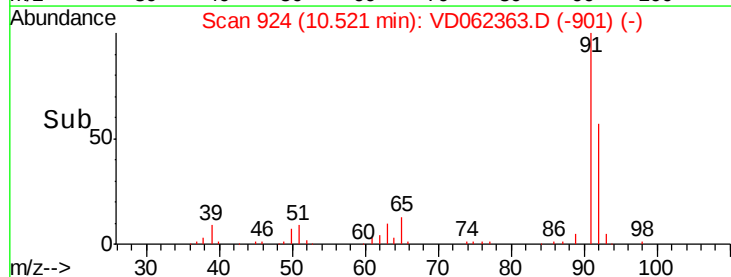
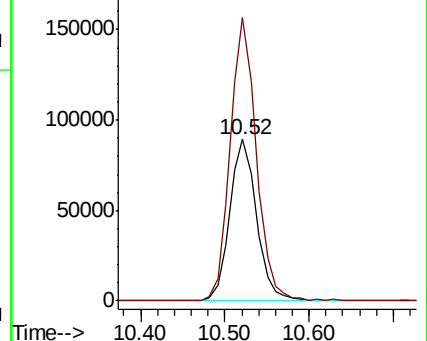
92 100

91 175.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

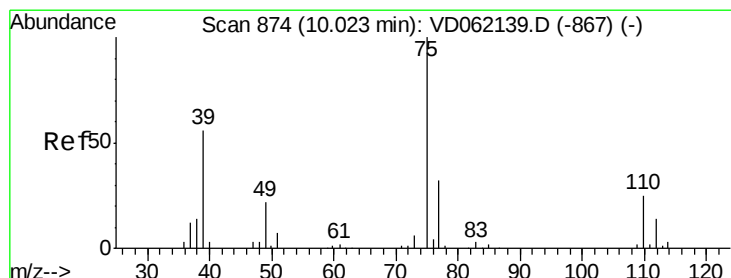
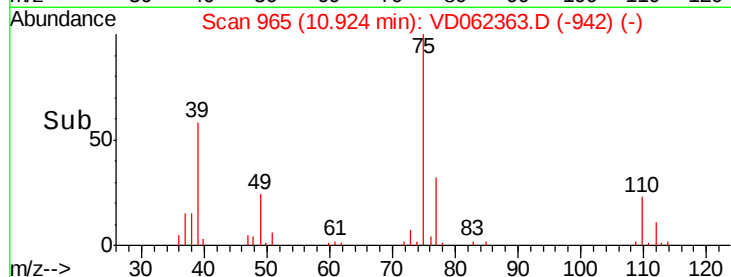
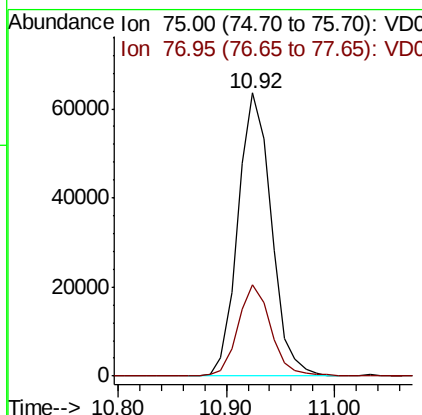
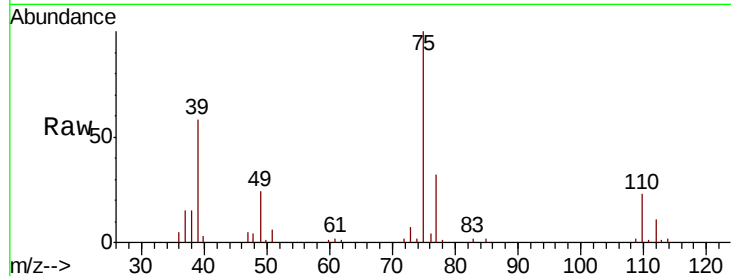




#53
t-1,3-Dichloropropene
Concen: 20.580 ug/l
RT: 10.92 min Scan# 965
Delta R.T. 0.03 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

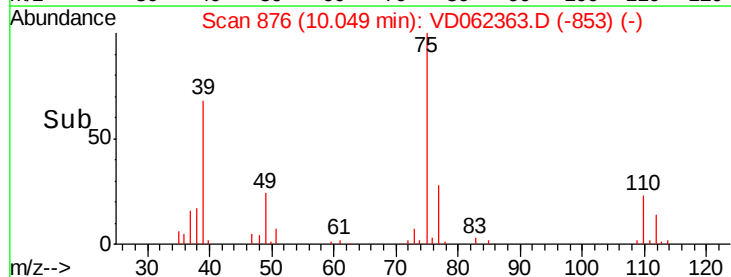
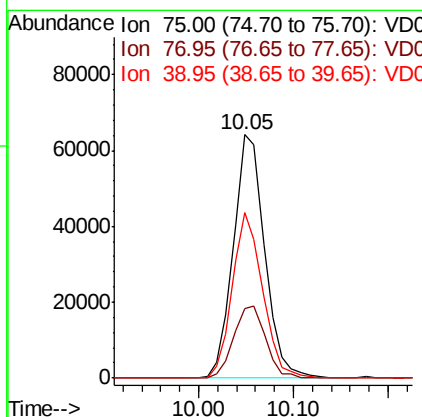
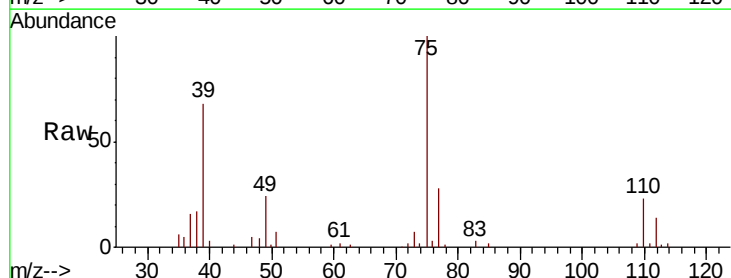
Instrument :
MSVOA_D
ClientSampleId :

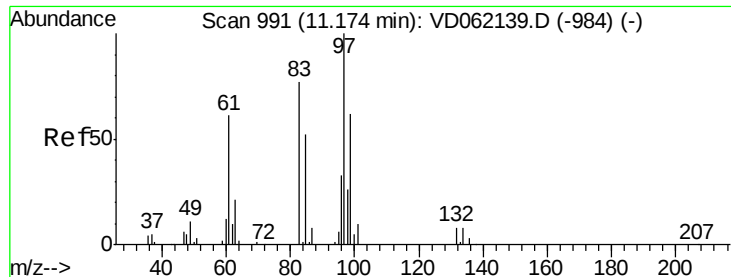
Tot Ion: 75 Resp: 136095
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 20.406 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.03 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Tgt Ion: 75 Resp: 147220
Ion Ratio Lower Upper
75 100
77 28.4 25.5 38.3
39 68.0 39.4 59.2#

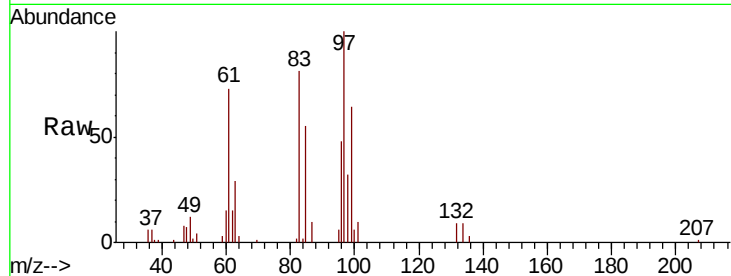




#55
 1,1,2-Trichloroethane
 Concen: 20.556 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.03 min
 Lab File: VD062363.D
 Acq: 15 May 2019 00:19

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.2	65.7	98.5
85	55.1	45.6	68.4
99	63.5	48.4	72.6



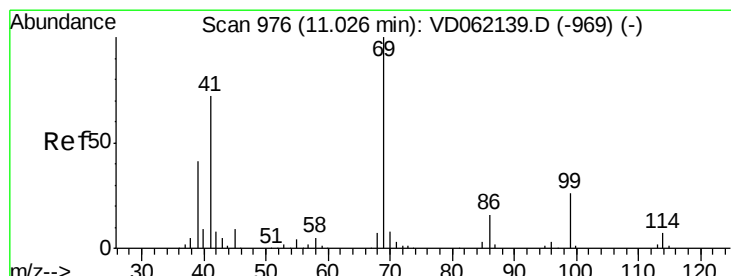
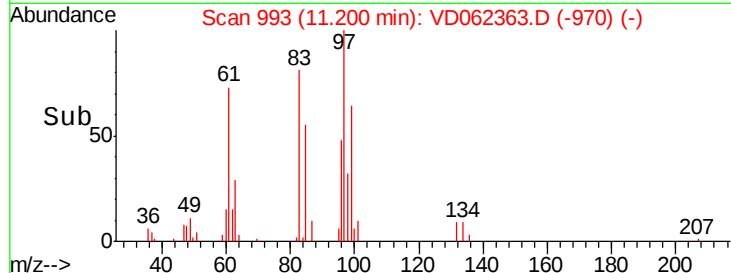
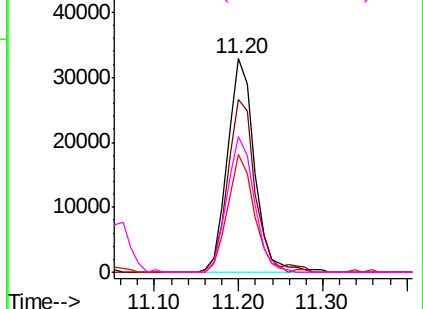
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

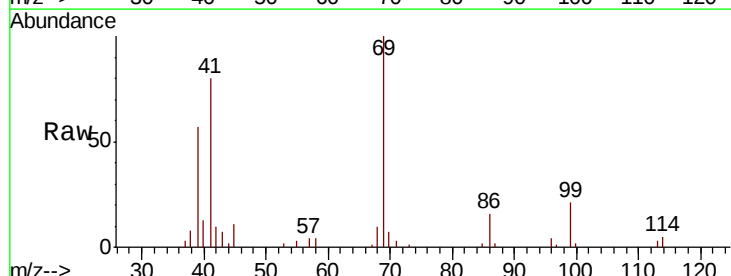
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56
 Ethyl methacrylate
 Concen: 19.204 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.03 min
 Lab File: VD062363.D
 Acq: 15 May 2019 00:19

Tgt Ion	Ratio	Lower	Upper
69	100		
41	80.0	56.3	84.5
39	56.5	29.4	44.2

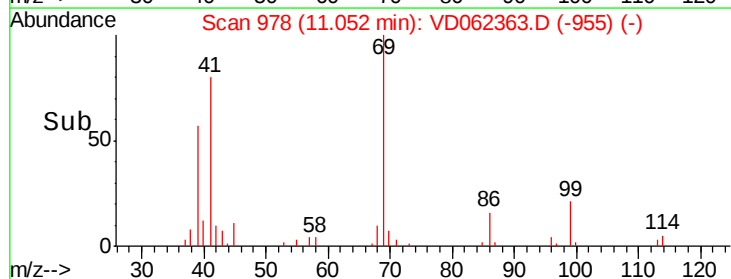
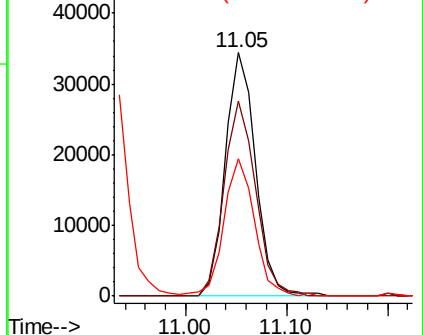


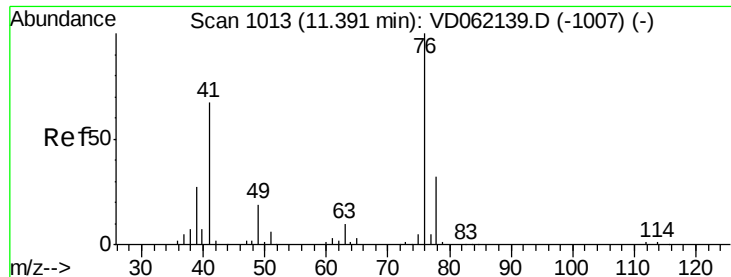
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.894 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.03 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

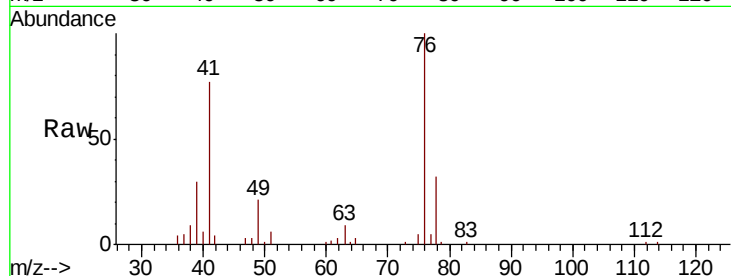
ClientSampled :

Tot Ion: 76 Resp: 113012

Ion Ratio Lower Upper

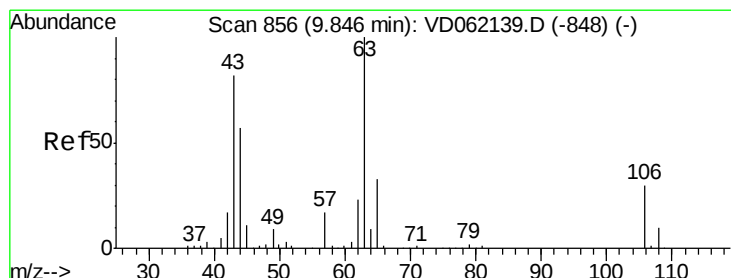
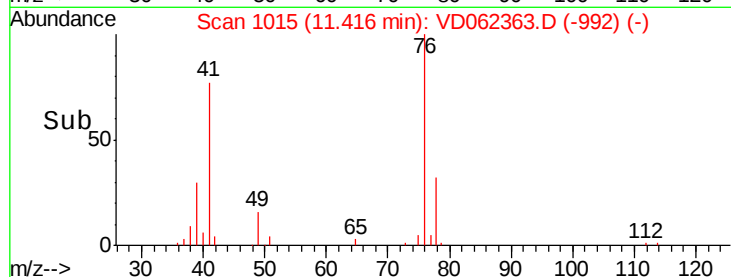
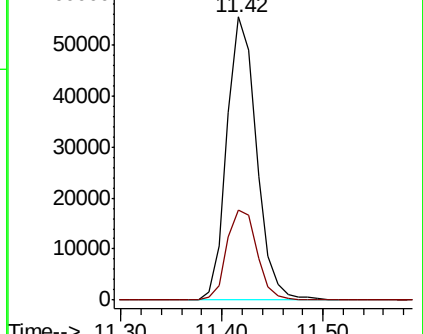
76 100

78 32.0 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 108.572 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.03 min

Lab File: VD062363.D

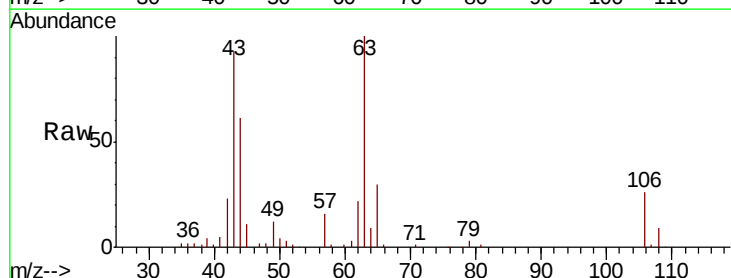
Acq: 15 May 2019 00:19

Tgt Ion: 63 Resp: 220641

Ion Ratio Lower Upper

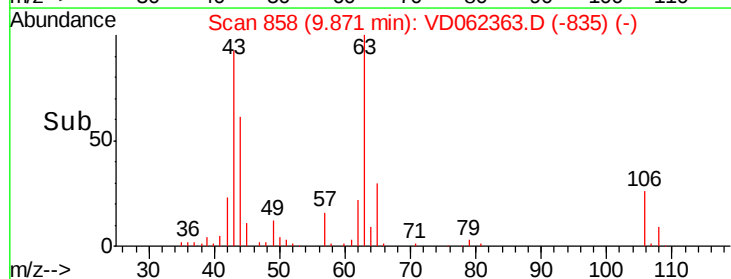
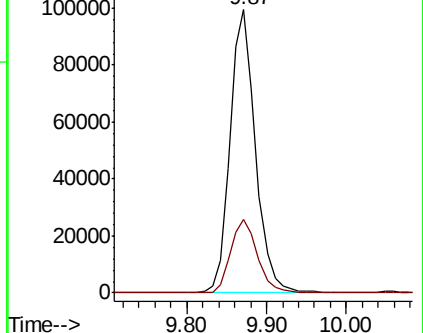
63 100

106 25.8 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

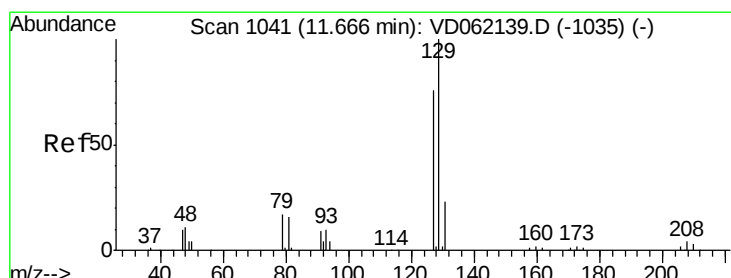
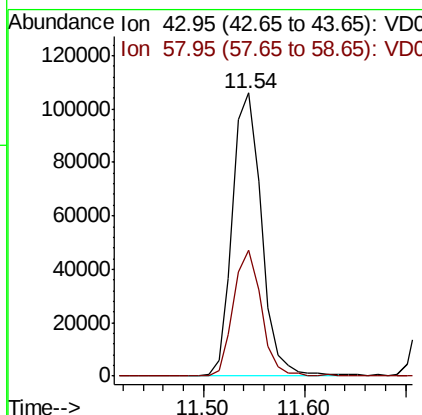
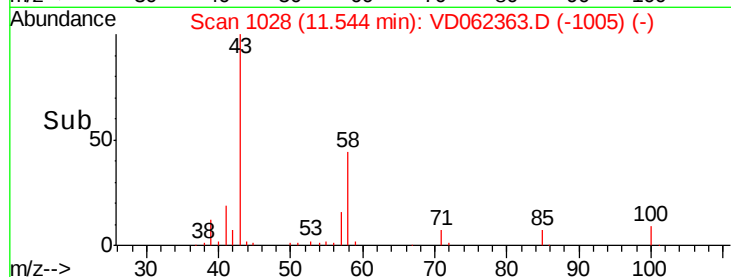
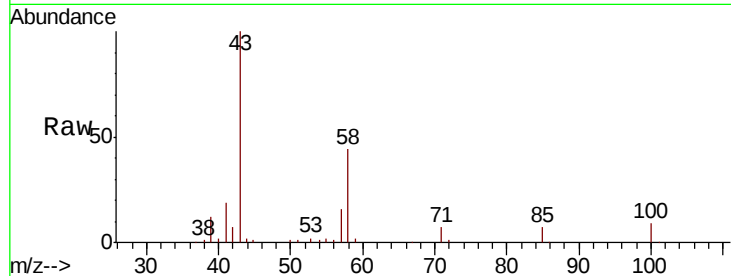




#59
2-Hexanone
Concen: 108.392 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.03 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

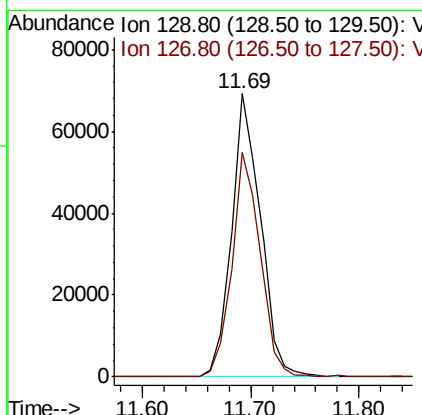
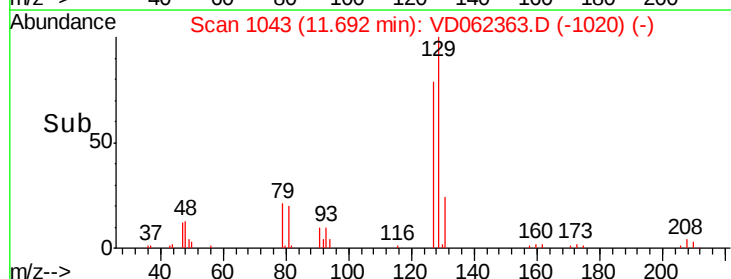
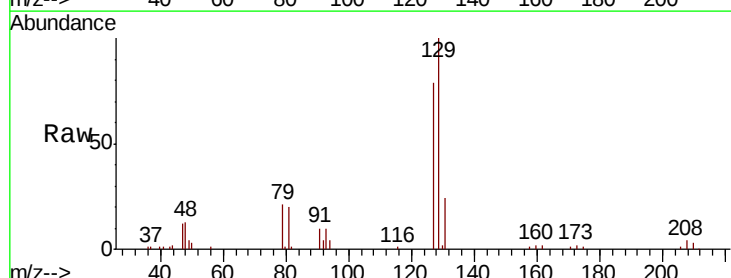
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 212719
Ion Ratio Lower Upper
43 100
58 44.3 25.4 76.4



#60
Dibromochloromethane
Concen: 20.746 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.03 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Tgt Ion: 129 Resp: 128362
Ion Ratio Lower Upper
129 100
127 79.5 38.0 113.9

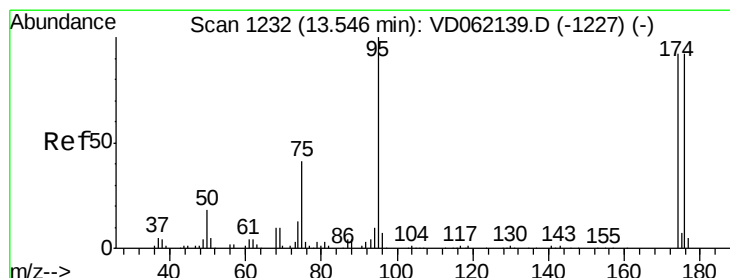
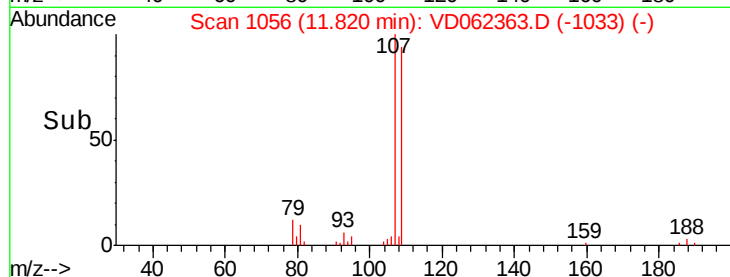
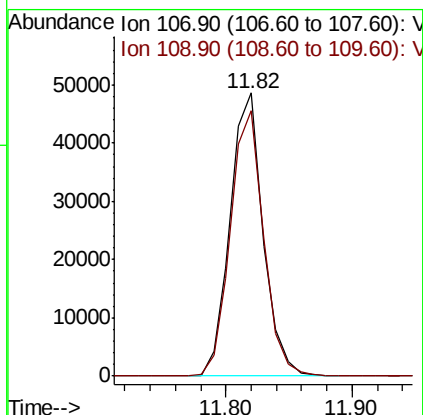
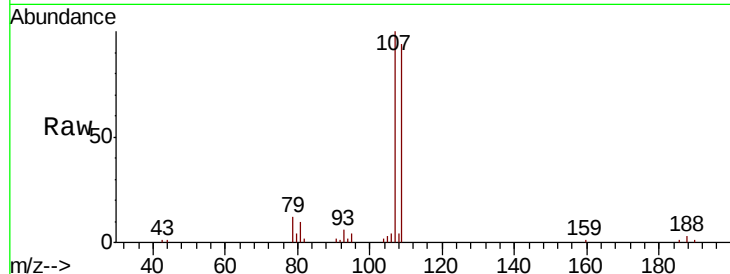




#61
 1,2-Dibromoethane
 Concen: 20.033 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.03 min
 Lab File: VD062363.D
 Acq: 15 May 2019 00:19

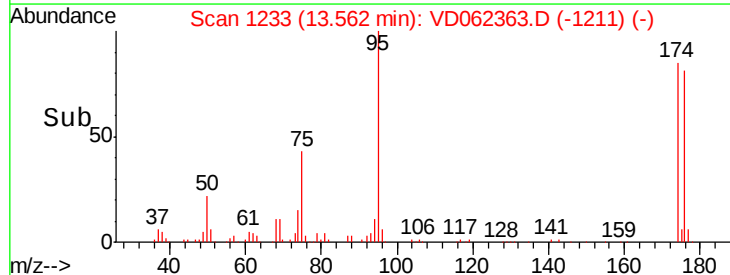
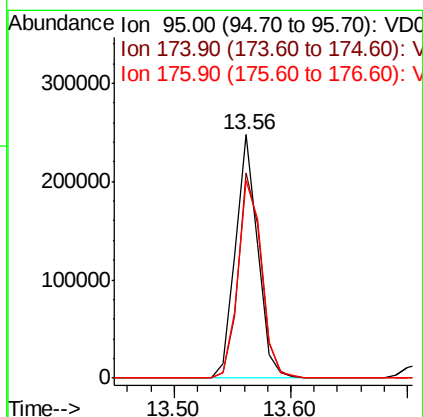
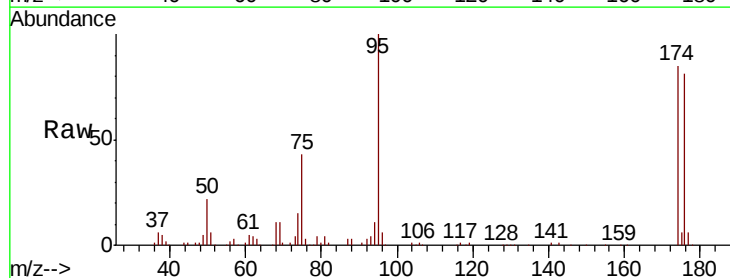
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:107 Resp: 87200
 Ion Ratio Lower Upper
 107 100
 109 94.0 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 48.481 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.02 min
 Lab File: VD062363.D
 Acq: 15 May 2019 00:19

Tgt Ion: 95 Resp: 327145
 Ion Ratio Lower Upper
 95 100
 174 84.5 0.0 181.8
 176 81.1 0.0 174.4

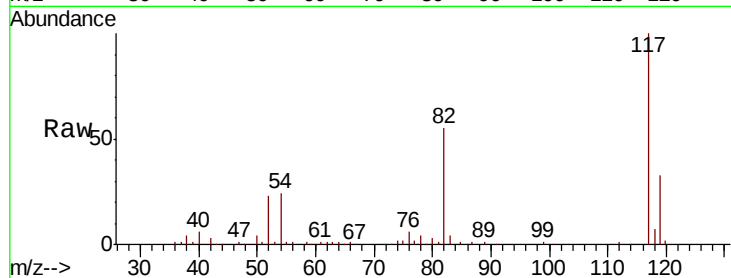




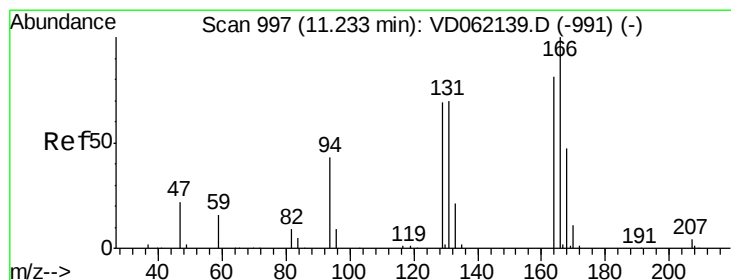
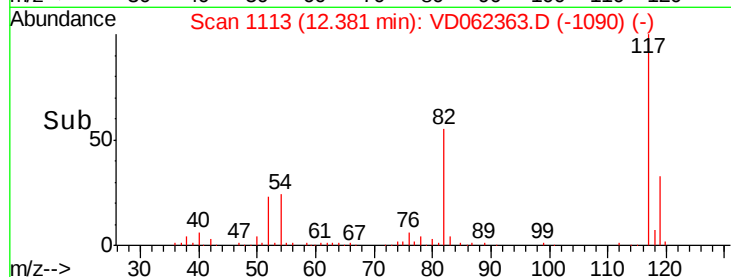
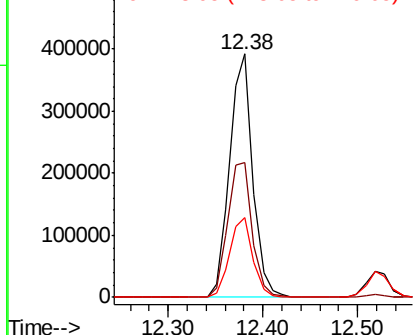
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.03 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 663181
Ion Ratio Lower Upper
117 100
82 55.4 36.2 54.2#
119 32.8 26.2 39.4

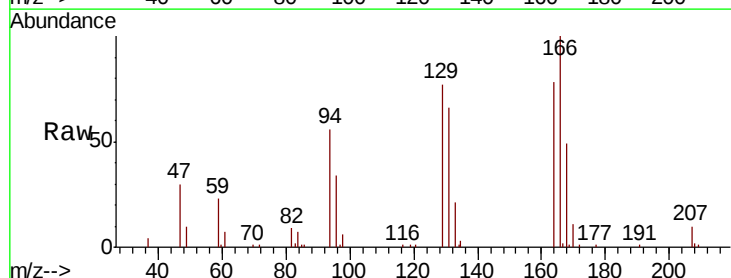


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

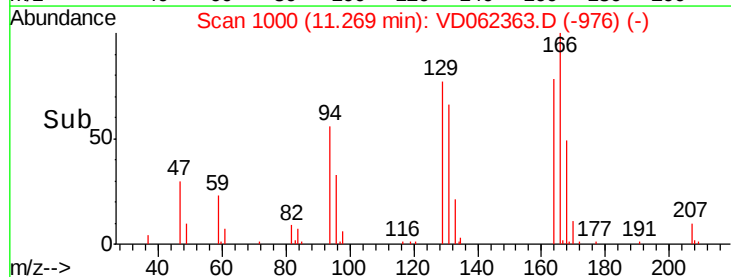
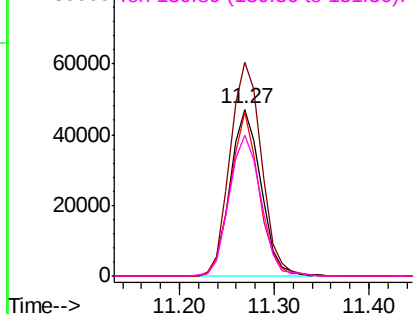


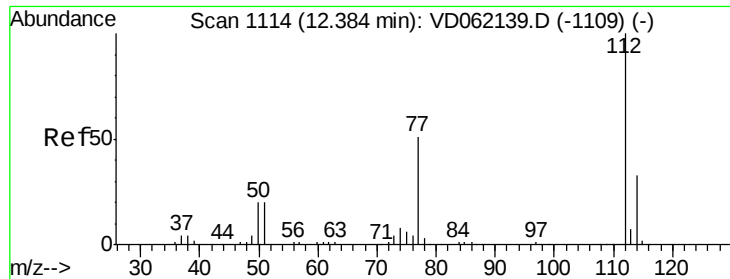
#64
Tetrachloroethene
Concen: 20.548 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.04 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Tgt Ion:164 Resp: 106560
Ion Ratio Lower Upper
164 100
166 127.9 101.5 152.3
129 98.1 74.6 112.0
131 84.5 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

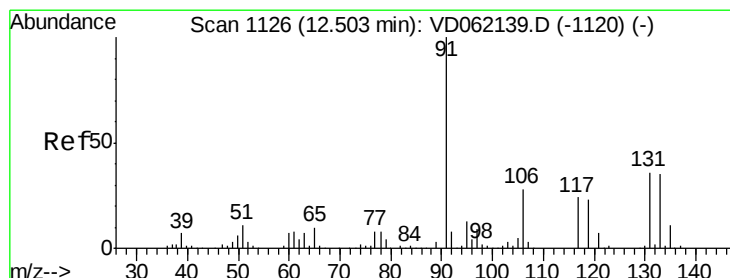
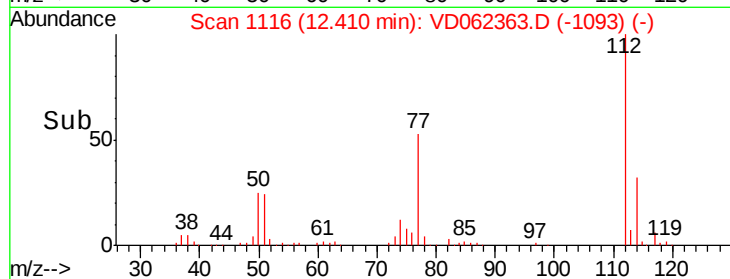
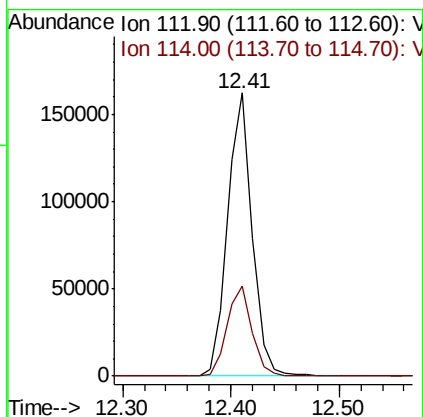
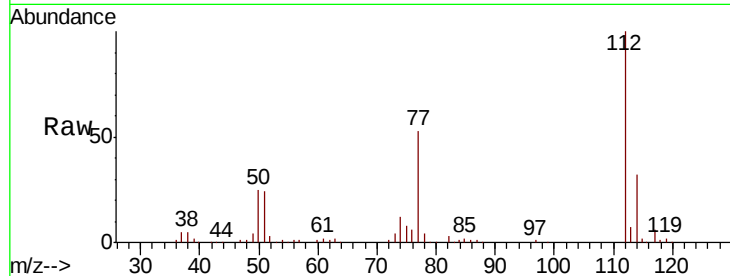




#65
Chlorobenzene
Concen: 20.639 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.03 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

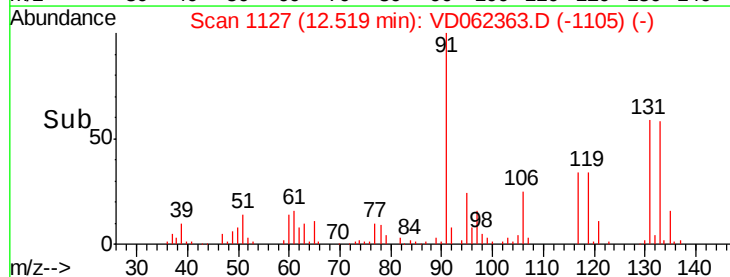
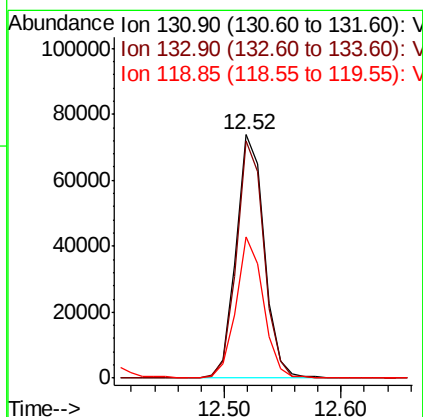
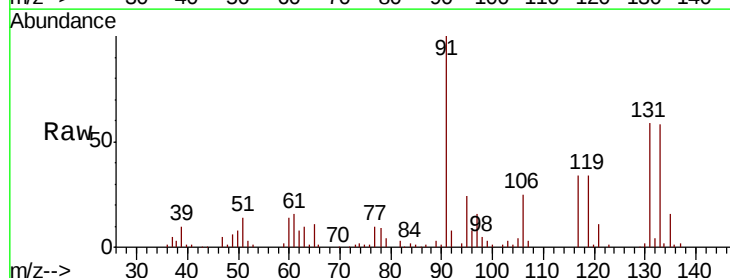
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 254934
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.942 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Tgt Ion:131 Resp: 123329
Ion Ratio Lower Upper
131 100
133 97.7 48.6 145.8
119 58.2 34.7 104.1

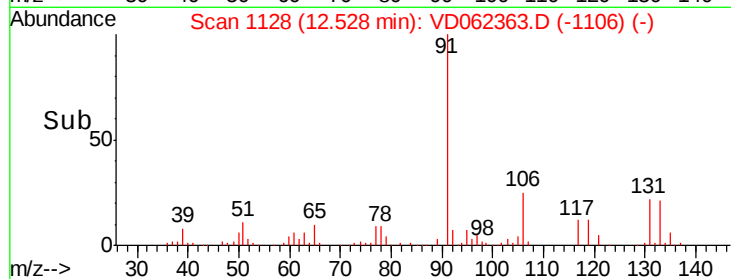
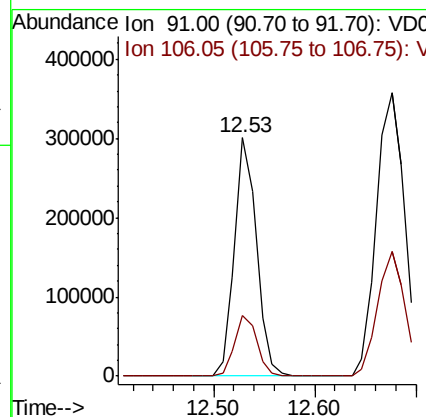
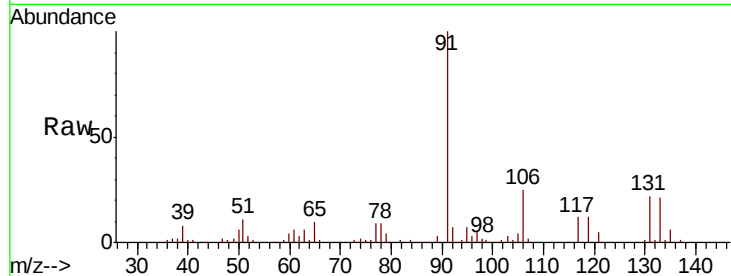




#67
Ethyl Benzene
Concen: 22.158 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

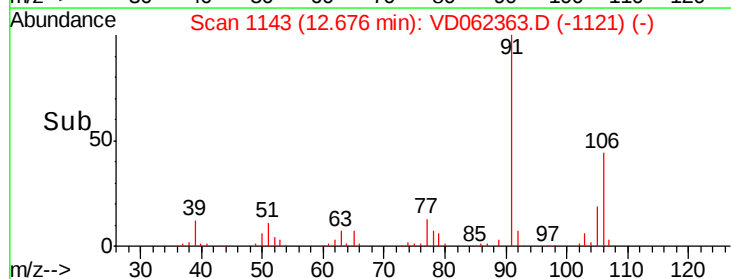
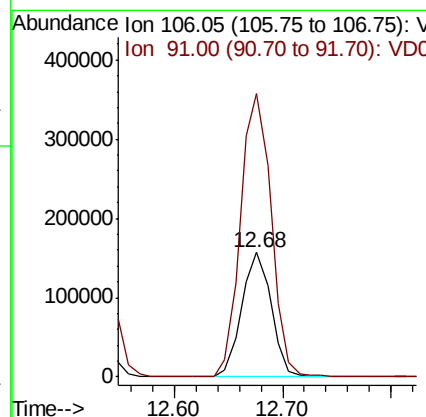
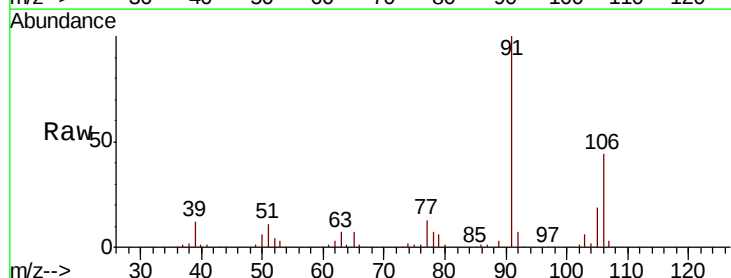
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 458209
Ion Ratio Lower Upper
91 100
106 25.4 24.7 37.1



#68
m/p-Xylenes
Concen: 39.581 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Tgt Ion: 106 Resp: 297786
Ion Ratio Lower Upper
106 100
91 227.2 164.0 246.0

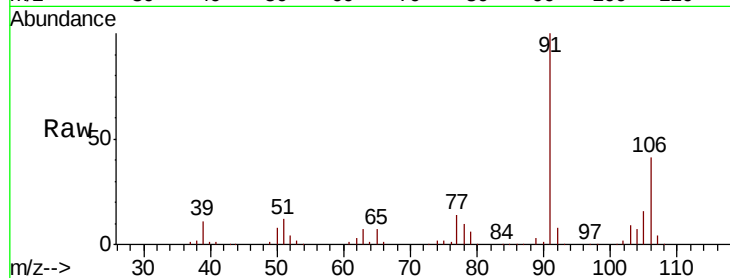




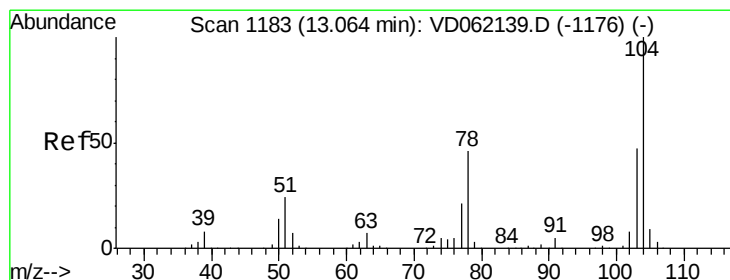
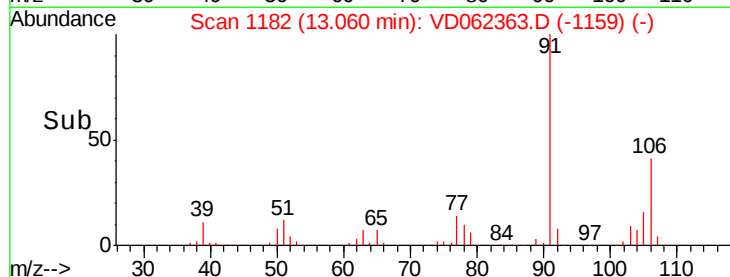
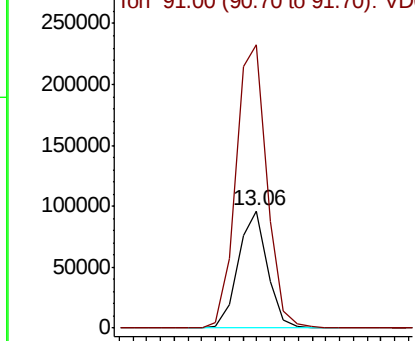
#69
o-Xylene
Concen: 20.243 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.03 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 141590
Ion Ratio Lower Upper
106 100
91 241.7 106.7 319.9

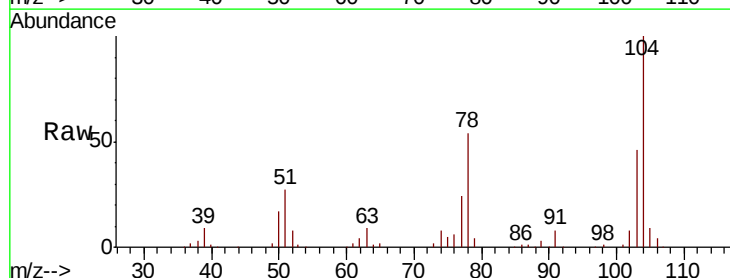


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

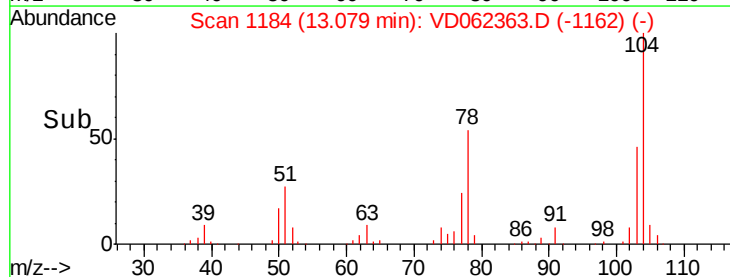
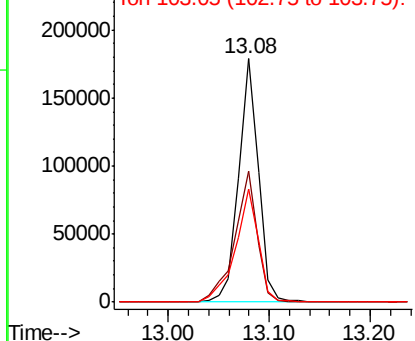


#70
Styrene
Concen: 20.473 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.02 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Tgt Ion:104 Resp: 242585
Ion Ratio Lower Upper
104 100
78 53.6 35.4 53.2#
103 46.2 37.5 56.3



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





#71

Bromoform

Concen: 22.521 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.03 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

ClientSampleId :

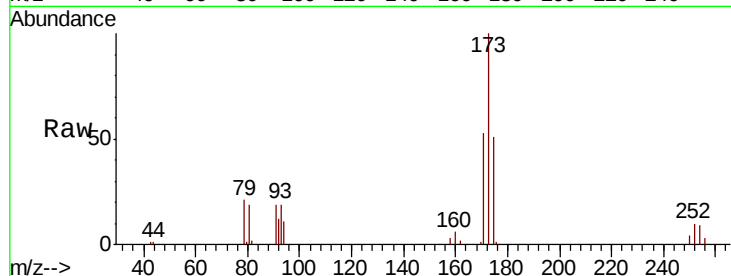
Tot Ion:173 Resp: 84231

Ion Ratio Lower Upper

173 100

175 51.3 24.4 73.4

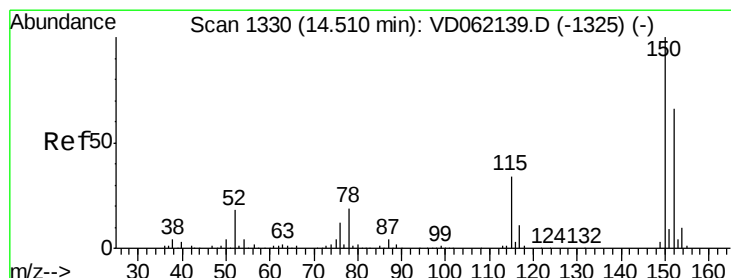
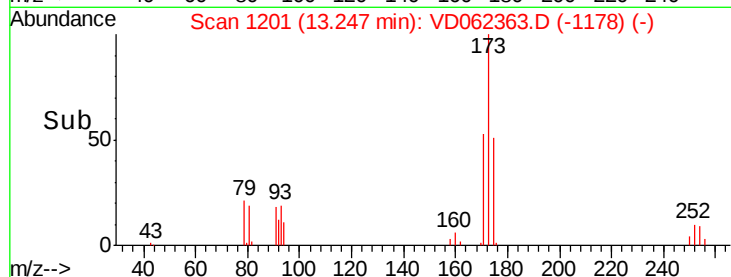
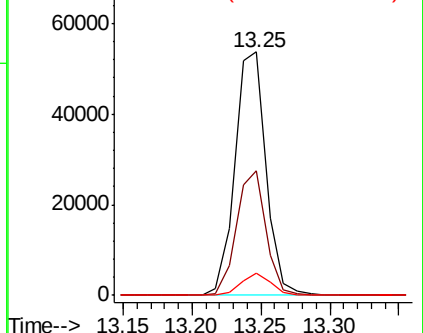
254 9.3 5.4 8.2#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

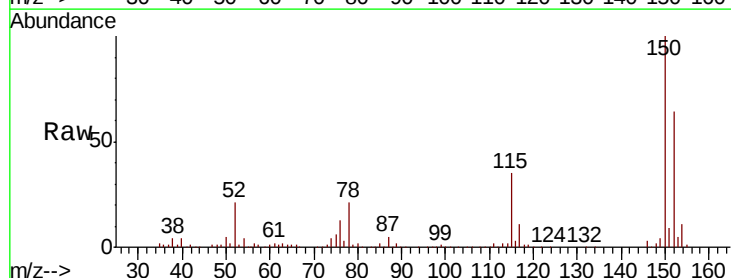
Tgt Ion:152 Resp: 401347

Ion Ratio Lower Upper

152 100

115 55.1 30.9 92.7

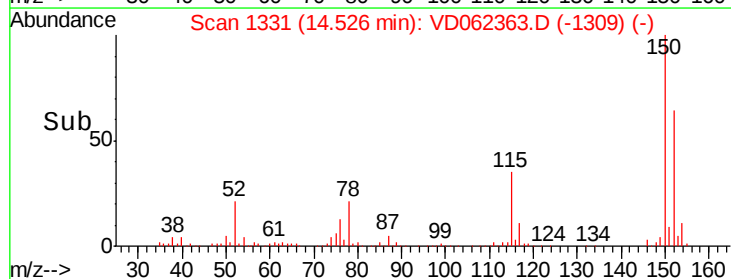
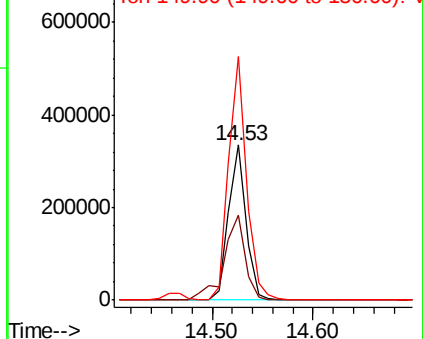
150 157.2 0.0 314.8

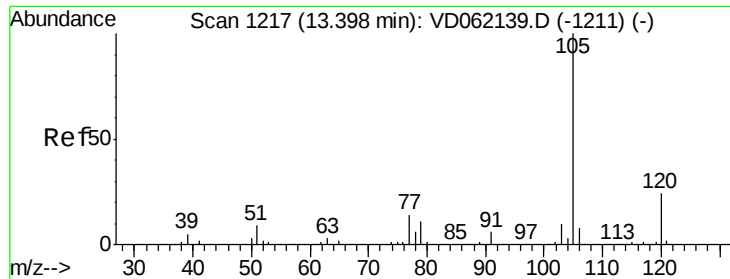


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.190 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

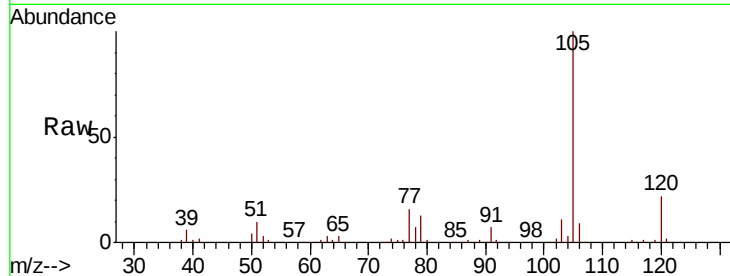
ClientSampleId :

Tot Ion:105 Resp: 461680

Ion Ratio Lower Upper

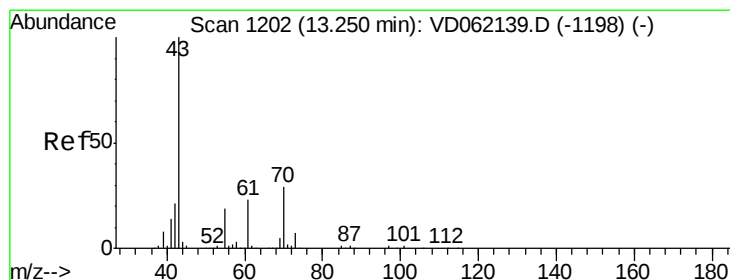
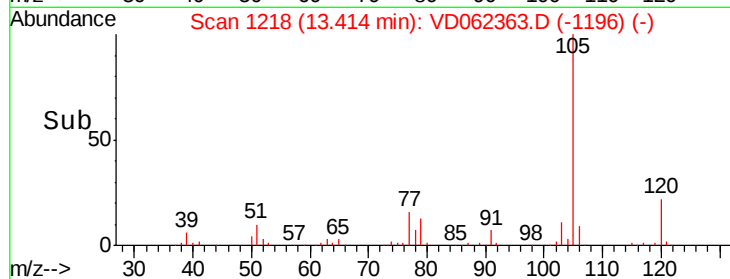
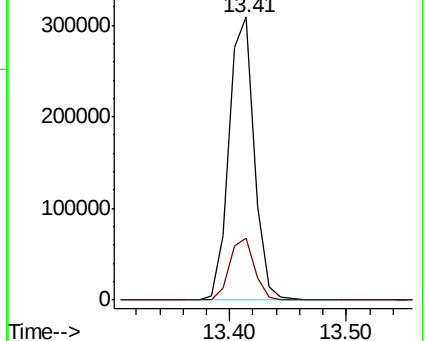
105 100

120 21.8 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: 18.337 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.03 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Tgt Ion: 43 Resp: 115660

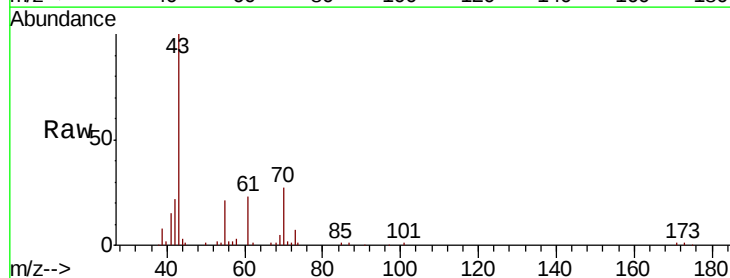
Ion Ratio Lower Upper

43 100

70 27.4 24.2 36.4

55 20.9 16.0 24.0

61 22.6 21.6 32.4

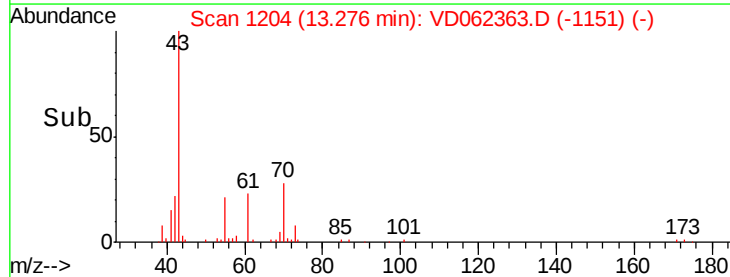
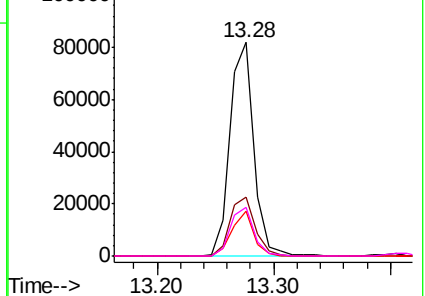


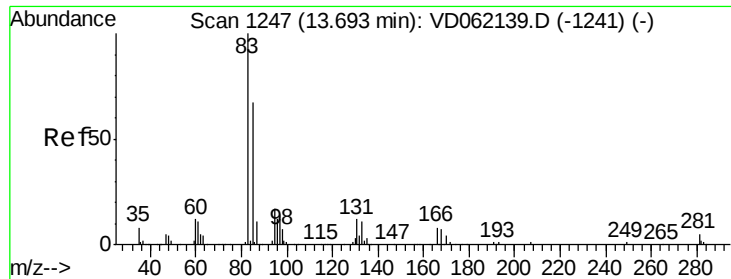
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.761 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

ClientSampleId :

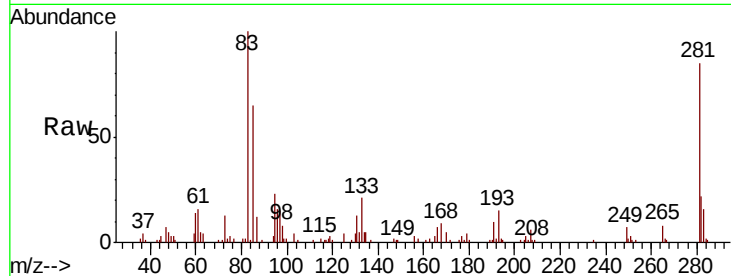
Tot Ion: 83 Resp: 85446

Ion Ratio Lower Upper

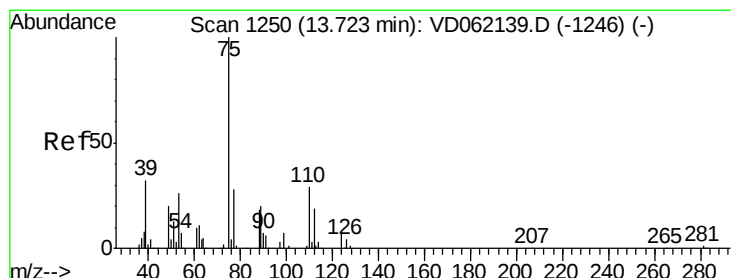
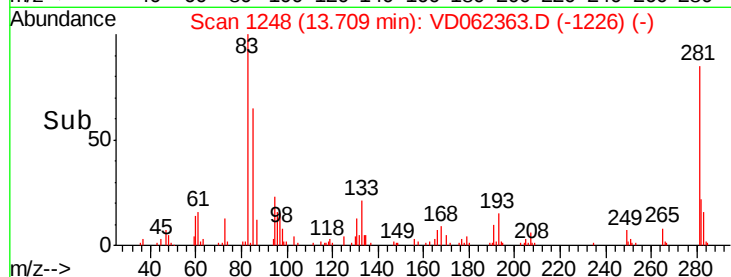
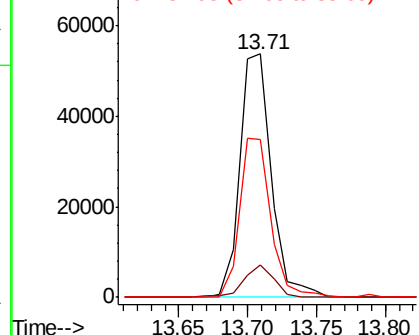
83 100

131 13.3 5.0 14.9

85 65.0 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: 21.516 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.02 min

Lab File: VD062363.D

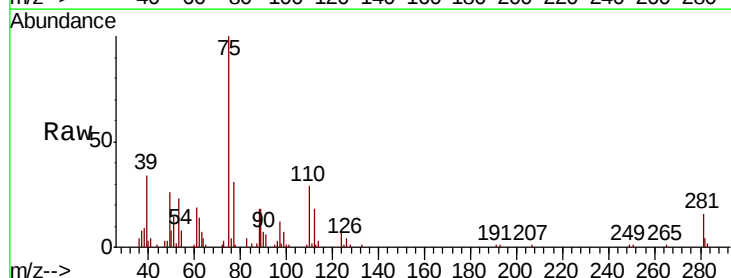
Acq: 15 May 2019 00:19

Tgt Ion: 75 Resp: 102624

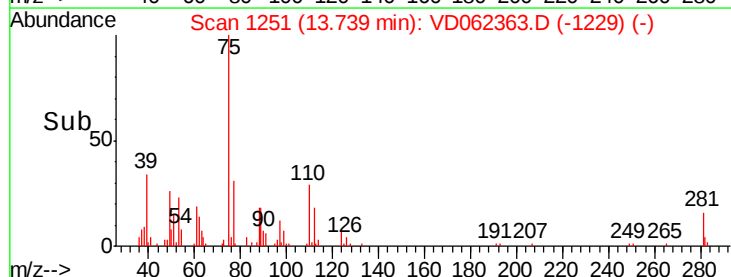
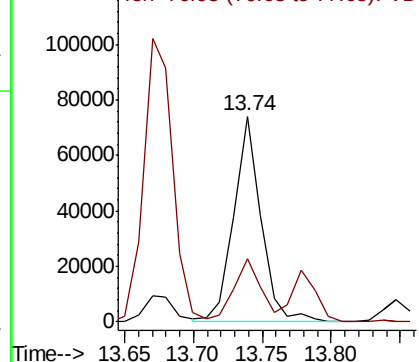
Ion Ratio Lower Upper

75 100

77 31.0 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: 18.005 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

ClientSampled :

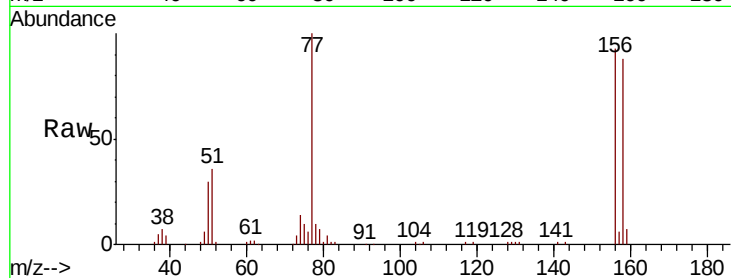
Tot Ion:156 Resp: 121256

Ion Ratio Lower Upper

156 100

77 107.2 53.1 159.4

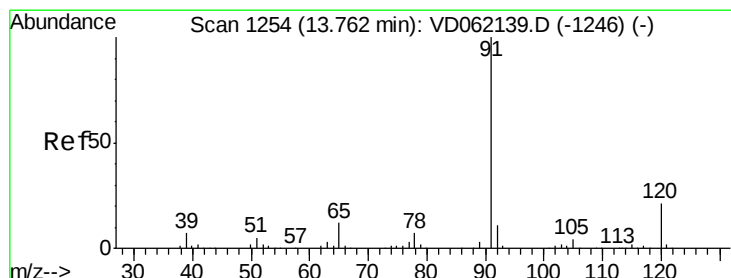
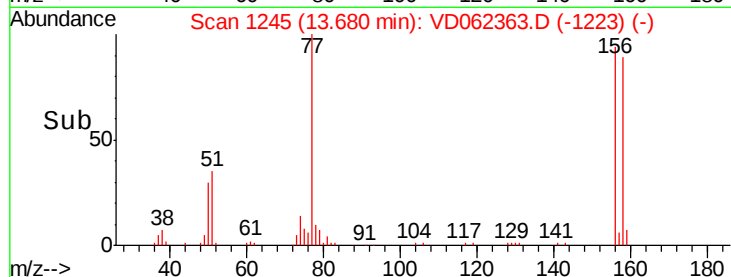
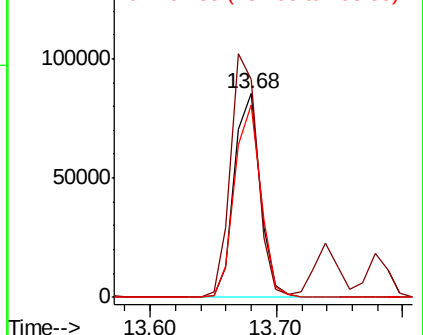
158 94.5 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.883 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD062363.D

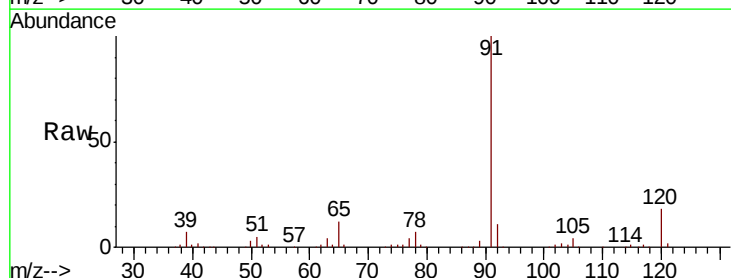
Acq: 15 May 2019 00:19

Tgt Ion: 91 Resp: 541907

Ion Ratio Lower Upper

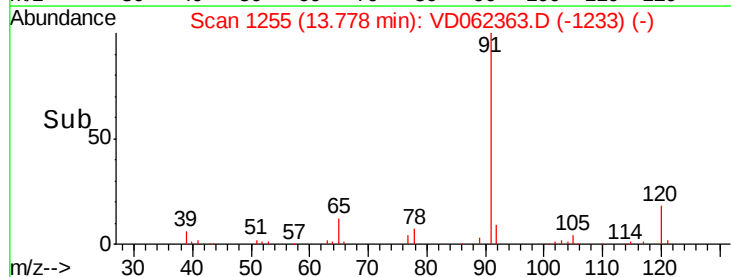
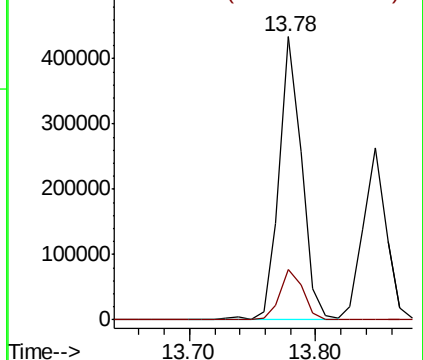
91 100

120 17.9 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: 20.038 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.02 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

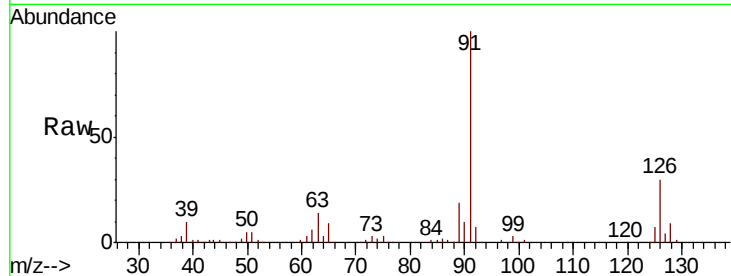
ClientSampleId :

Tot Ion: 91 Resp: 329353

Ion Ratio Lower Upper

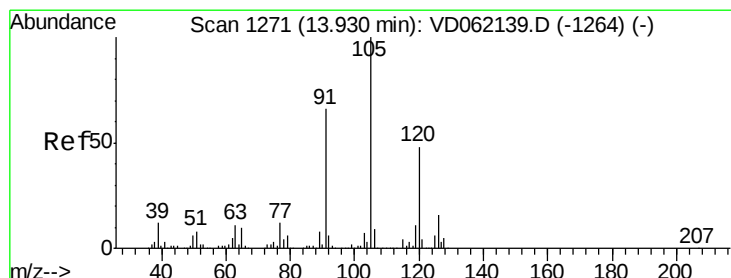
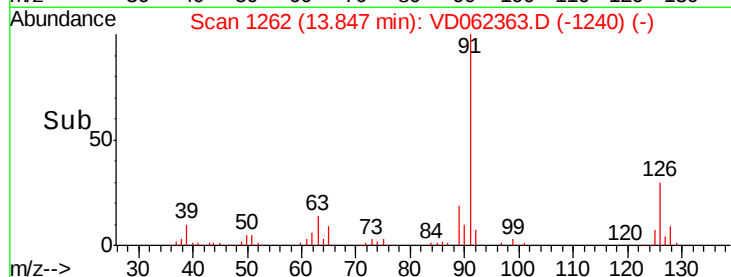
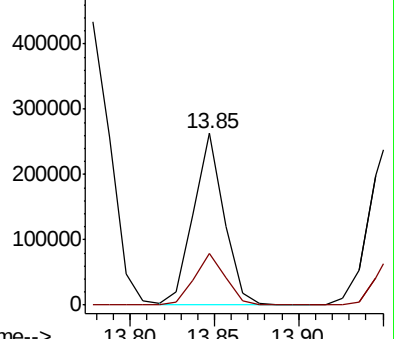
91 100

126 29.9 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: 17.925 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD062363.D

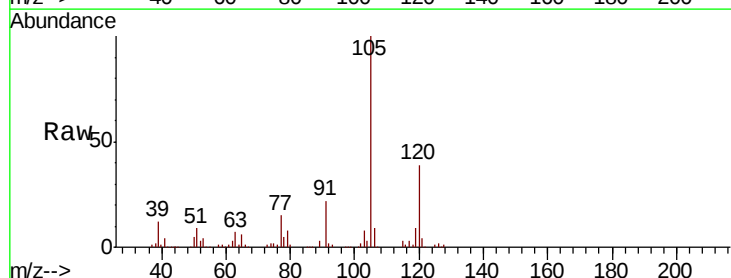
Acq: 15 May 2019 00:19

Tgt Ion: 105 Resp: 363130

Ion Ratio Lower Upper

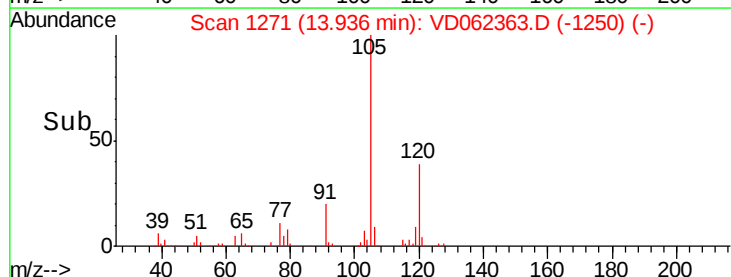
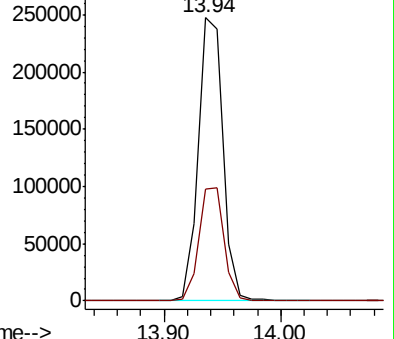
105 100

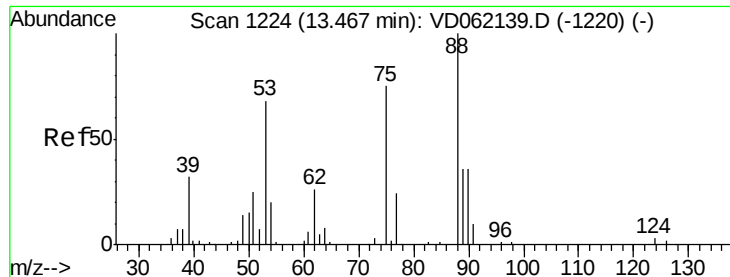
120 39.4 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.159 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.02 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

ClientSampleId :

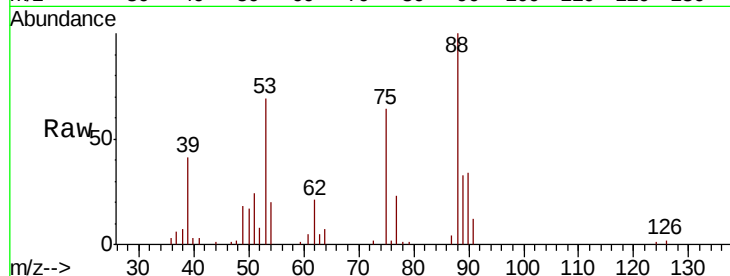
Tot Ion: 75 Resp: 23105

Ion Ratio Lower Upper

75 100

53 108.6 65.8 98.8#

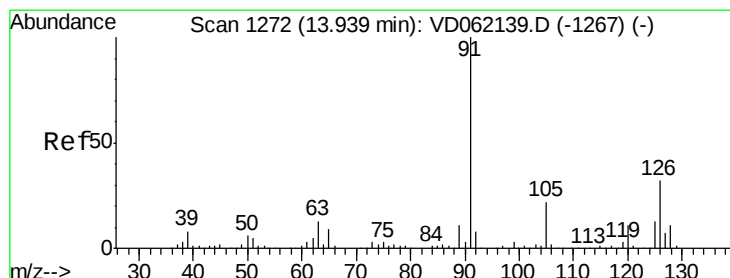
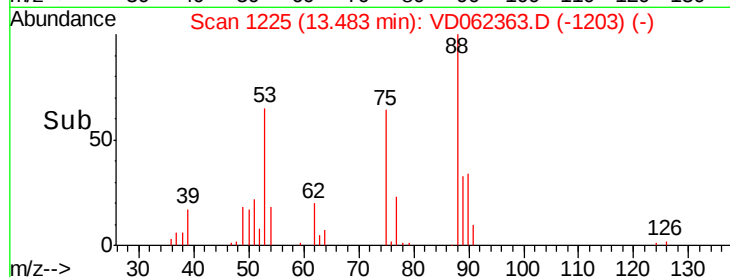
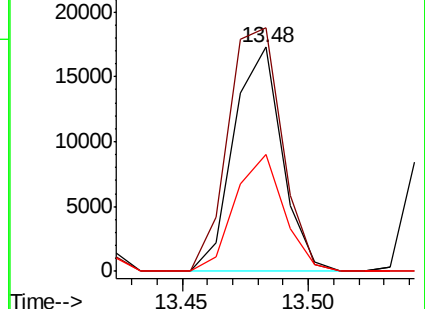
89 52.1 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 19.840 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.02 min

Lab File: VD062363.D

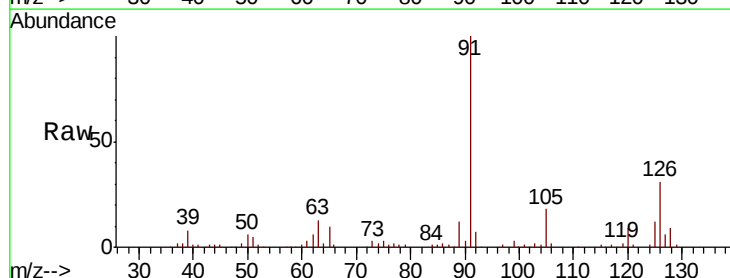
Acq: 15 May 2019 00:19

Tgt Ion: 91 Resp: 383735

Ion Ratio Lower Upper

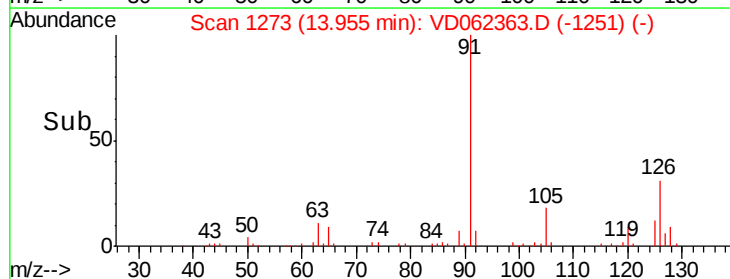
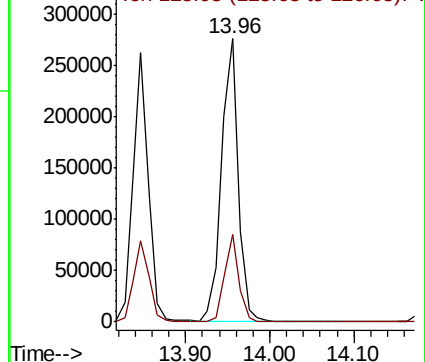
91 100

126 31.2 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

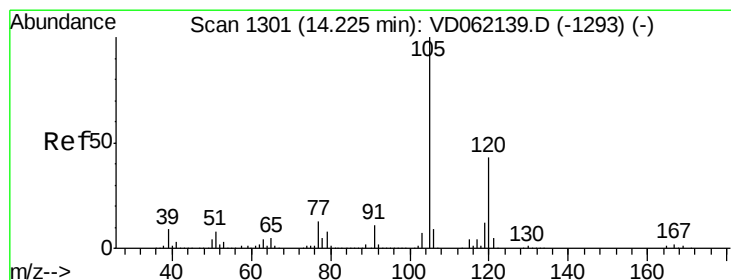
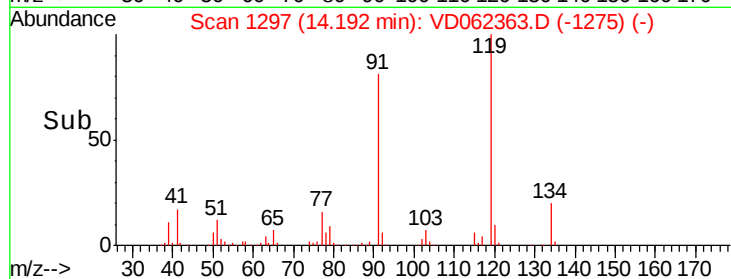
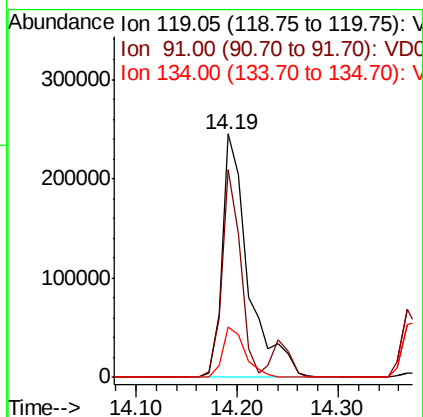
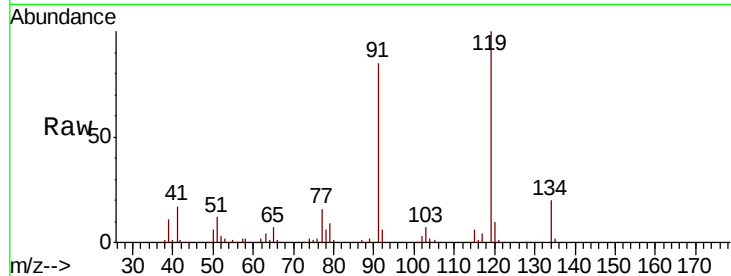




#83
 tert-Butylbenzene
 Concen: 19.424 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.02 min
 Lab File: VD062363.D
 Acq: 15 May 2019 00:19

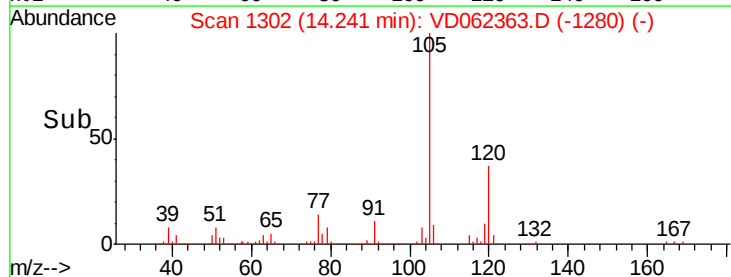
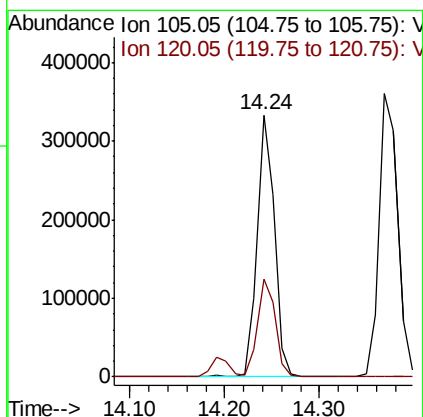
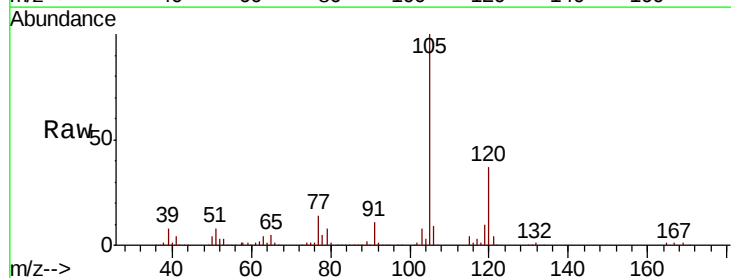
Instrument :
 MSVOA_D
 ClientSampleId :

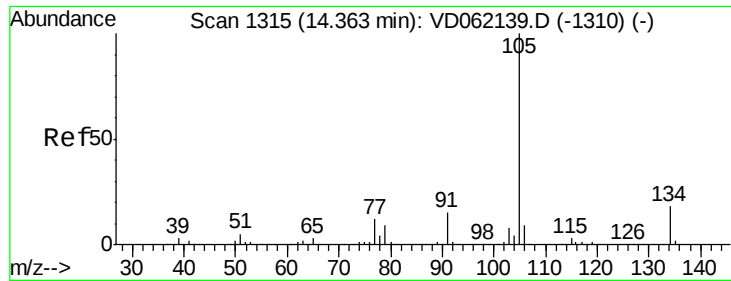
Tot Ion:119 Resp: 442304
 Ion Ratio Lower Upper
 119 100
 91 85.3 34.2 102.6
 134 20.5 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.881 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.02 min
 Lab File: VD062363.D
 Acq: 15 May 2019 00:19

Tgt Ion:105 Resp: 424508
 Ion Ratio Lower Upper
 105 100
 120 37.2 23.1 69.2





#85

sec-Butylbenzene

Concen: 19.886 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

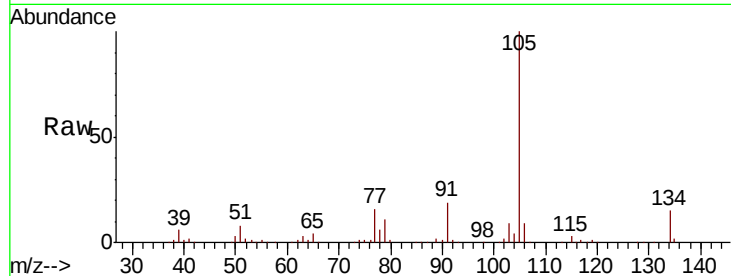
ClientSampleId :

Tot Ion:105 Resp: 496464

Ion Ratio Lower Upper

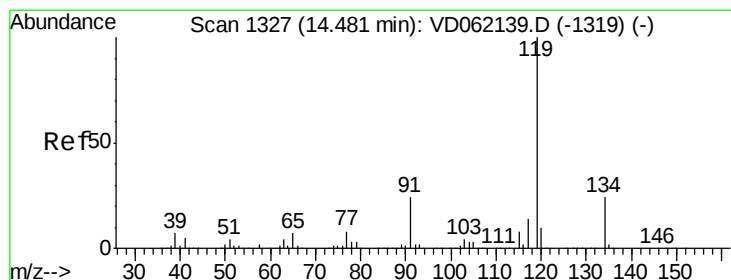
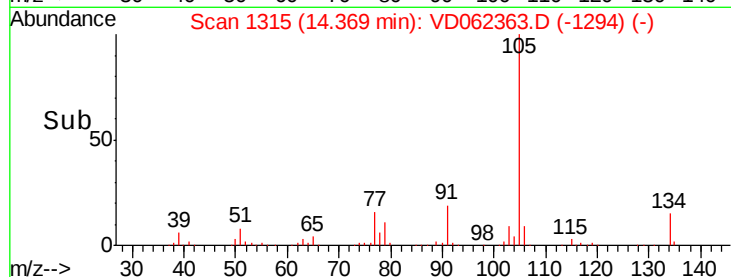
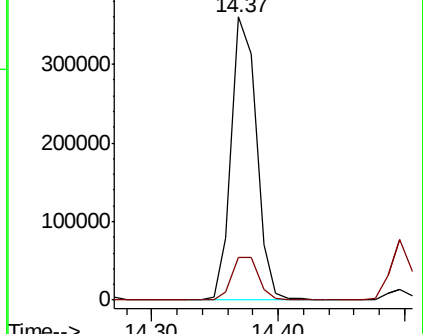
105 100

134 14.9 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: 18.635 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.02 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

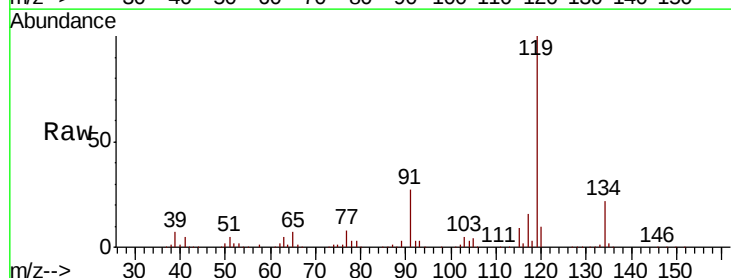
Tgt Ion:119 Resp: 415670

Ion Ratio Lower Upper

119 100

134 22.1 12.8 38.3

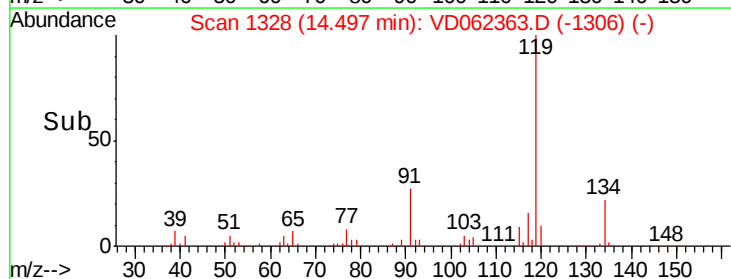
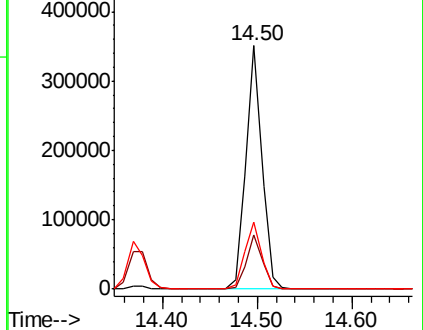
91 27.3 10.7 32.1



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

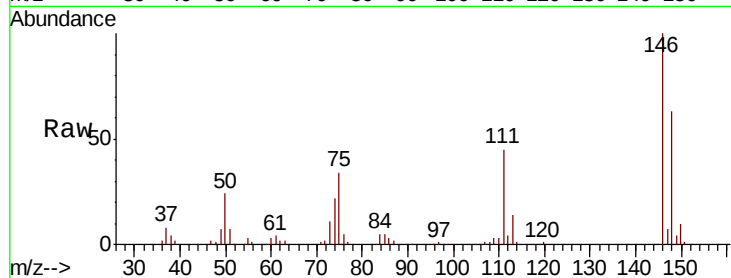




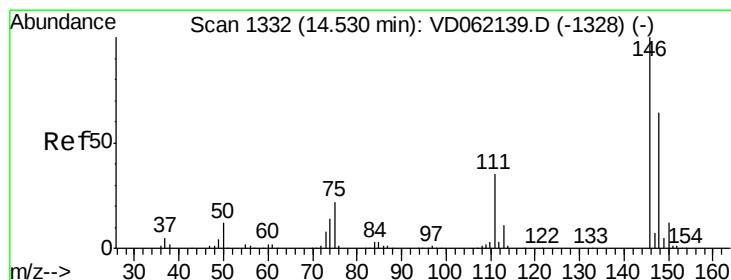
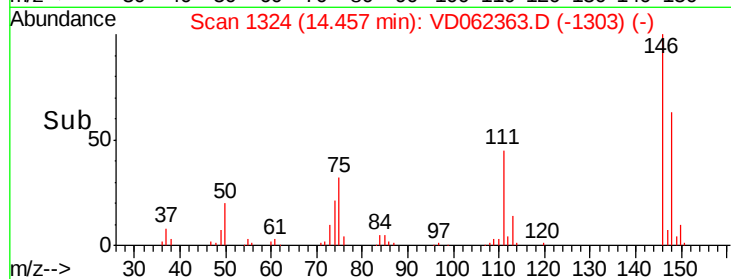
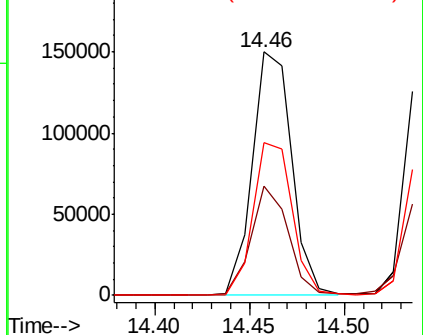
#87
 1,3-Dichlorobenzene
 Concen: 17.615 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD062363.D
 Acq: 15 May 2019 00:19

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 216707
 Ion Ratio Lower Upper
 146 100
 111 44.7 20.0 60.0
 148 62.6 31.8 95.4

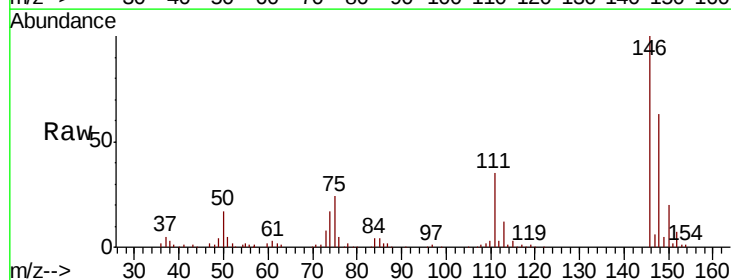


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

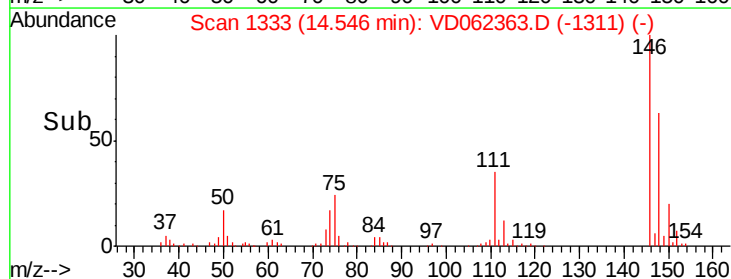
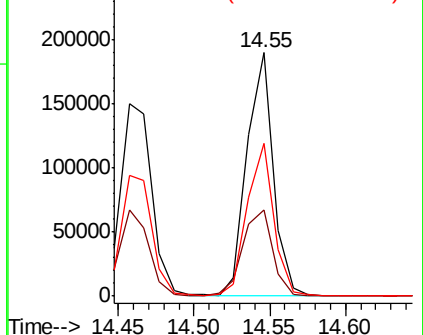


#88
 1,4-Dichlorobenzene
 Concen: 19.147 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.02 min
 Lab File: VD062363.D
 Acq: 15 May 2019 00:19

Tgt Ion:146 Resp: 231454
 Ion Ratio Lower Upper
 146 100
 111 35.4 20.2 60.5
 148 62.9 32.0 96.2



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





#89

n-Butylbenzene

Concen: 20.269 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.02 min

Lab File: VD062363.D

Acq: 15 May 2019 00:19

Instrument :

MSVOA_D

ClientSampled :

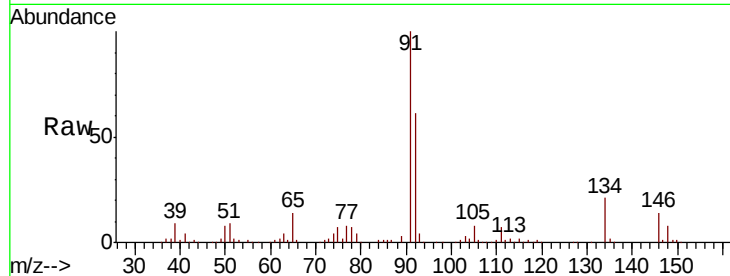
Tot Ion: 91 Resp: 405796

Ion Ratio Lower Upper

91 100

92 61.5 30.3 91.0

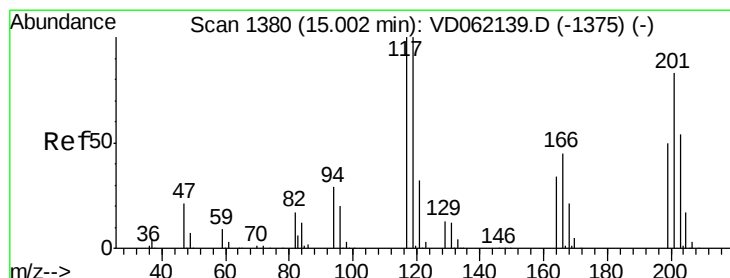
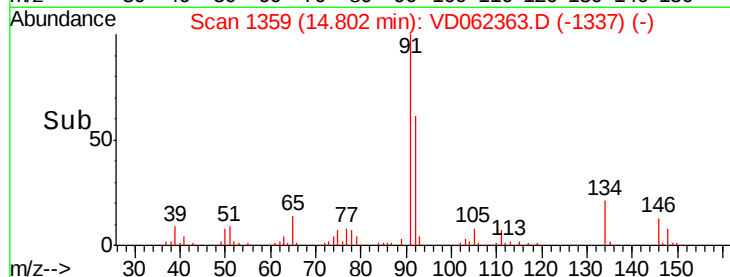
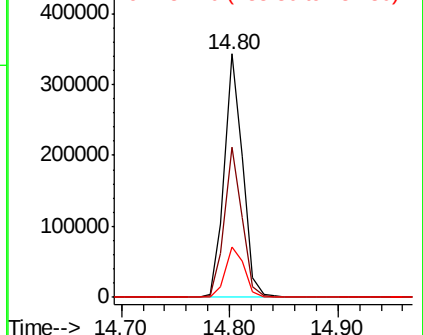
134 20.9 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 19.352 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD062363.D

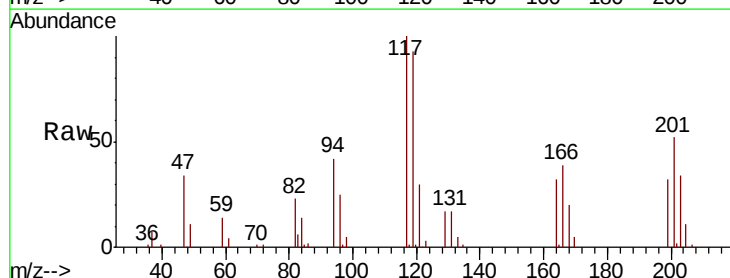
Acq: 15 May 2019 00:19

Tgt Ion: 117 Resp: 117388

Ion Ratio Lower Upper

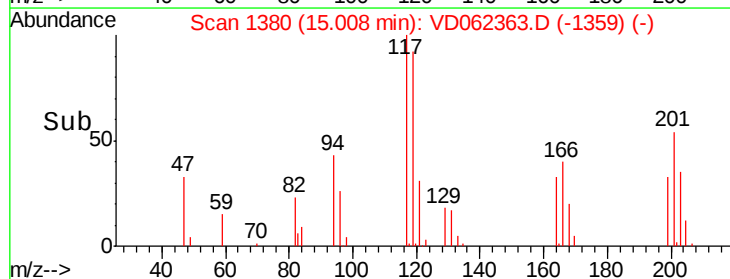
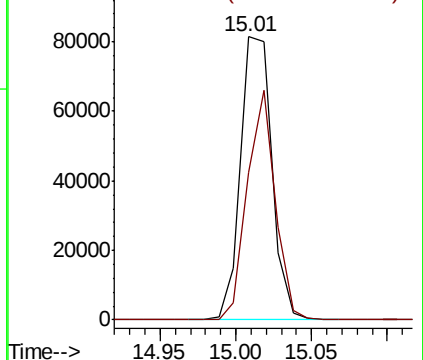
117 100

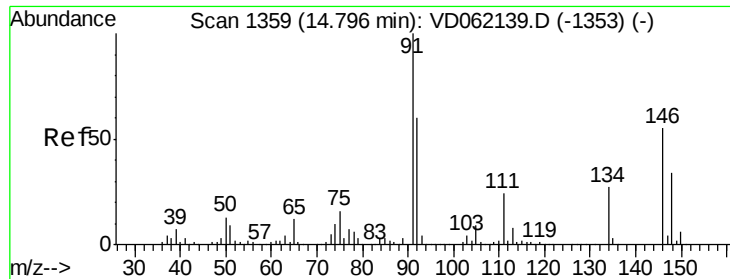
201 52.1 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

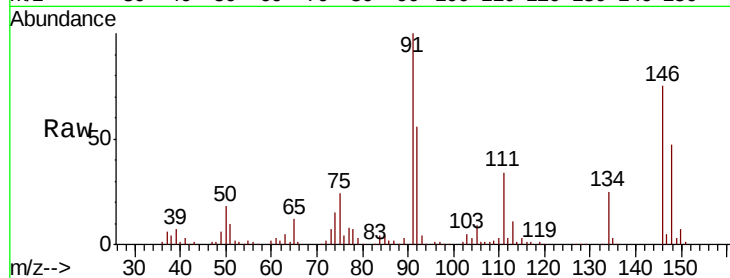




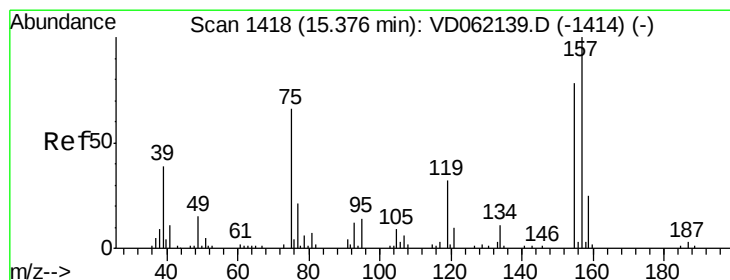
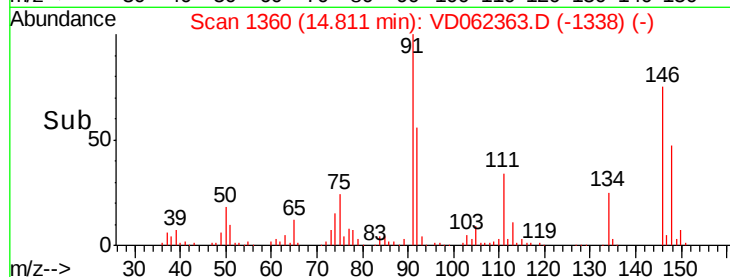
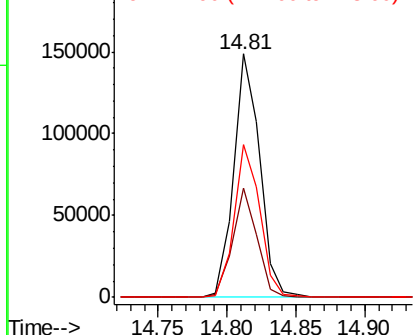
#91
 1,2-Dichlorobenzene
 Concen: 19.267 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD062363.D
 Acq: 15 May 2019 00:19

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 195214
 Ion Ratio Lower Upper
 146 100
 111 44.9 20.0 59.9
 148 62.8 32.3 96.8

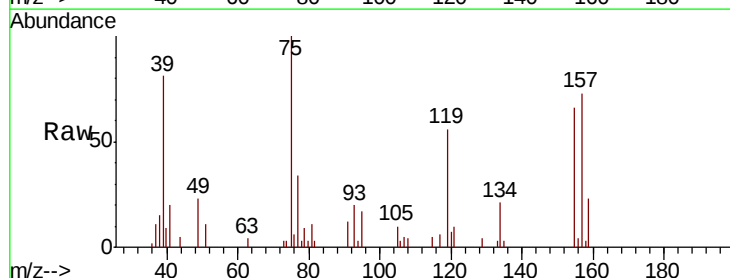


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

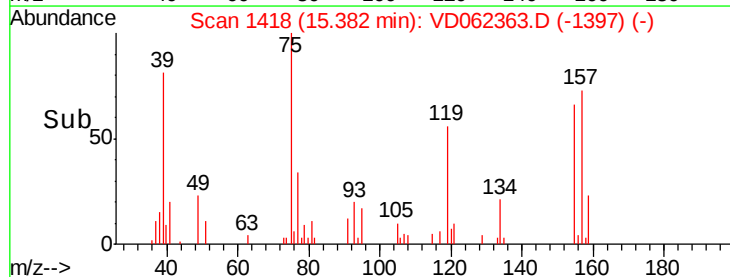
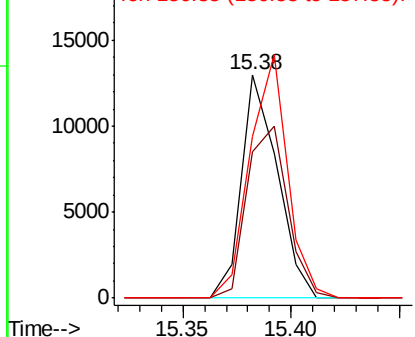


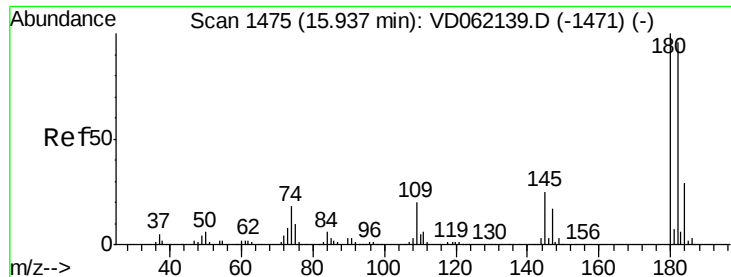
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.006 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062363.D
 Acq: 15 May 2019 00:19

Tgt Ion: 75 Resp: 14957
 Ion Ratio Lower Upper
 75 100
 155 65.8 55.3 165.8
 157 72.7 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

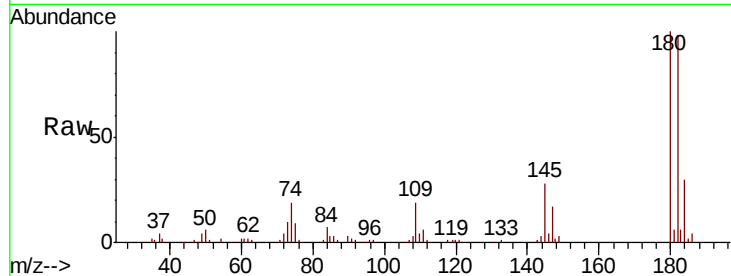




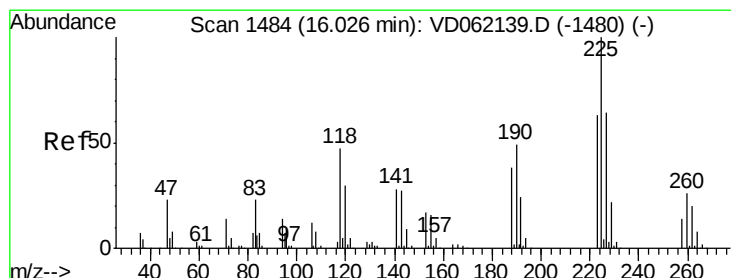
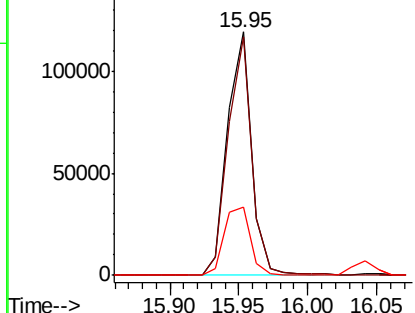
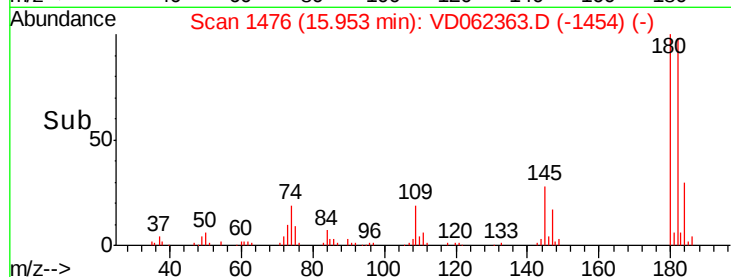
#93
 1,2,4-Trichlorobenzene
 Concen: 19.588 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.02 min
 Lab File: VD062363.D
 Acq: 15 May 2019 00:19

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 144459
 Ion Ratio Lower Upper
 180 100
 182 97.7 49.3 147.8
 145 27.9 16.2 48.6

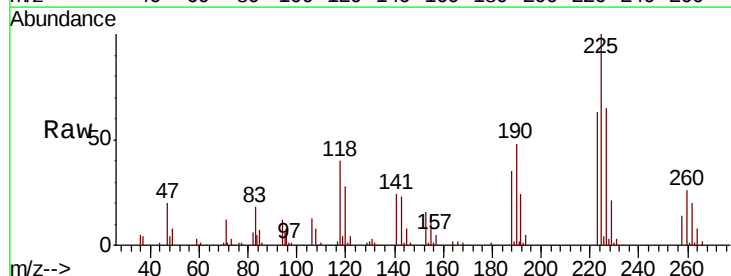


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

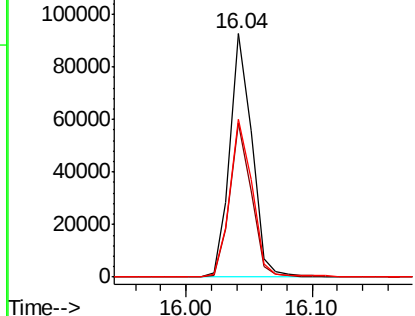
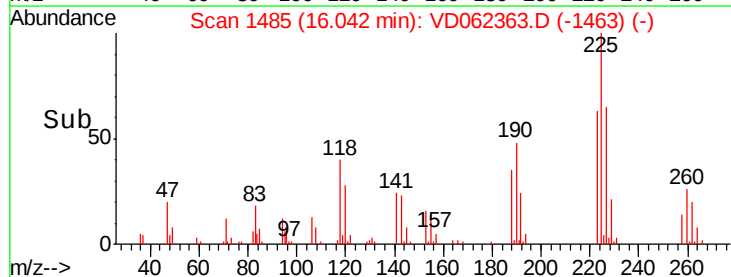


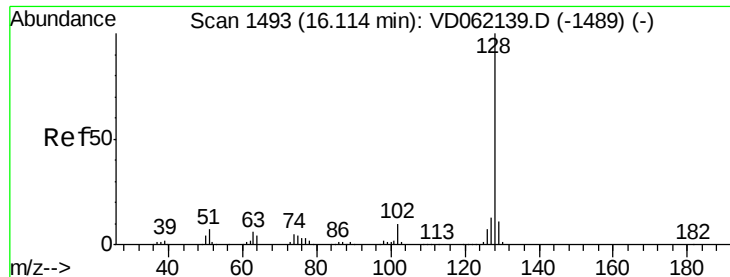
#94
 Hexachlorobutadiene
 Concen: 20.330 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.02 min
 Lab File: VD062363.D
 Acq: 15 May 2019 00:19

Tgt Ion:225 Resp: 111511
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.6 92.0
 227 64.6 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

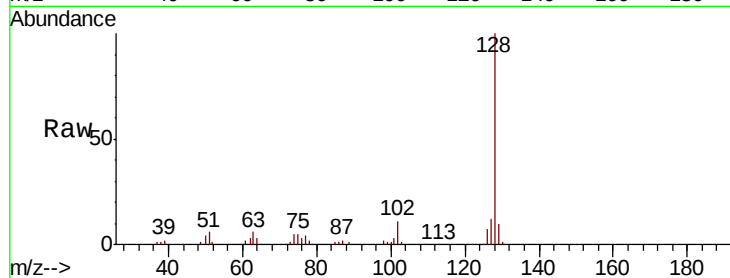




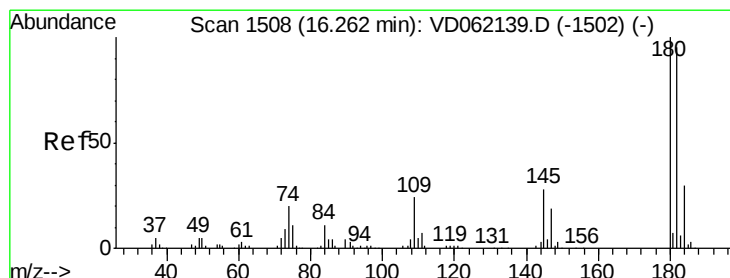
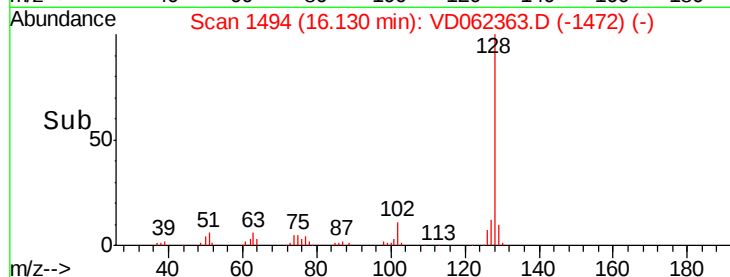
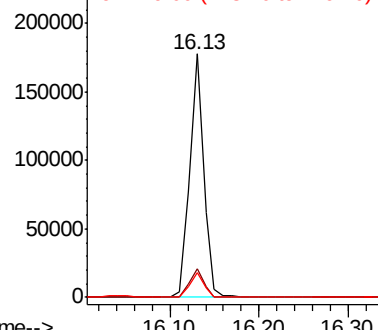
#95
Naphthalene
Concen: 19.111 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.02 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 196761
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.8
129 10.4 8.8 13.2

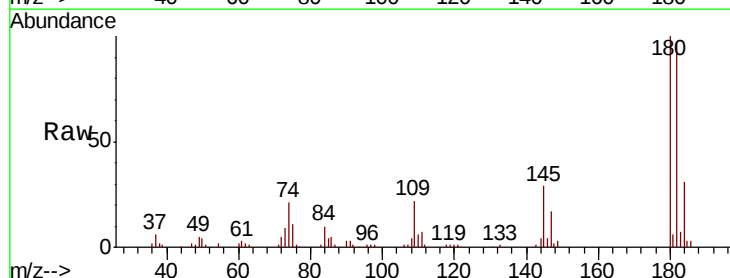


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.766 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.02 min
Lab File: VD062363.D
Acq: 15 May 2019 00:19

Tgt Ion:180 Resp: 105559
Ion Ratio Lower Upper
180 100
182 97.0 47.0 141.0
145 29.0 17.0 51.0



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

