

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063509.D
 Acq On : 13 Aug 2019 2:52
 Operator : JC/SY
 Sample : K4223-16RE
 Misc : 4.80g/5ml/MSVOA D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-8RE

Quant Time: Aug 13 09:12:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	15093	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	29779	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	20987	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	8665	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	14635	90.71	ug/l	-0.01
Spiked Amount			Recovery	=	181.42%	
35) Dibromofluoromethane	6.93	113	8445	33.67	ug/l	-0.01
Spiked Amount			Recovery	=	67.34%	
50) Toluene-d8	10.41	98	21634	39.23	ug/l	-0.01
Spiked Amount			Recovery	=	78.46%	
62) 4-Bromofluorobenzene	13.55	95	8505	34.03	ug/l	-0.01
Spiked Amount			Recovery	=	68.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.77	50	643	4.507	ug/l #	41
5) Bromomethane	2.15	94	830	12.420	ug/l #	11
6) Chloroethane	2.30	64	404	6.238	ug/l #	42
8) Diethyl Ether	2.79	74	181	4.615	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	3.13	101	216	1.317	ug/l #	20
10) Methyl Iodide	3.34	142	2635	11.353	ug/l #	29
11) Tert butyl alcohol	3.95	59	215	30.613	ug/l #	71
12) 1,1-Dichloroethene	3.09	96	691	5.666	ug/l #	1
13) Acrolein	3.00	56	233	33.705	ug/l #	1
14) Allyl chloride	3.62	41	229	1.249	ug/l #	8
16) Acetone	3.21	43	4324	131.846	ug/l #	65
18) Methyl Acetate	3.65	43	5154	82.969	ug/l #	79
20) Methylene Chloride	3.83	84	677	4.774	ug/l #	55
23) Vinyl Acetate	4.99	43	256	1.164	ug/l #	82
29) Tetrahydrofuran	6.47	42	904	59.895	ug/l #	35
31) Cyclohexane	7.05	56	258	1.771	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	1462	5.554	ug/l #	42
37) Ethyl Acetate	6.26	43	198	1.795	ug/l #	73
38) Carbon Tetrachloride	7.04	117	1082	2.727	ug/l #	13
41) Methacrylonitrile	6.53	41	318	2.290	ug/l #	37
43) Isopropyl Acetate	9.24	43	242	1.638	ug/l #	48
48) Methyl methacrylate	9.22	41	185	1.846	ug/l #	18
51) 4-Methyl-2-Pentanone	10.41	43	218	2.156	ug/l #	40
52) Toluene	10.50	92	589	1.578	ug/l #	44
59) 2-Hexanone	11.61	43	194	2.637	ug/l #	30
74) N-amyl acetate	13.28	43	201	1.453	ug/l #	53
79) 2-Chlorotoluene	13.78	91	577	1.552	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.55	75	3318	124.138	ug/l #	1
87) 1,3-Dichlorobenzene	14.45	146	538	1.975	ug/l #	23
88) 1,4-Dichlorobenzene	14.54	146	886	3.389	ug/l #	25
91) 1,2-Dichlorobenzene	14.81	146	364	1.575	ug/l #	34
94) Hexachlorobutadiene	16.04	225	178	1.373	ug/l #	19
95) Naphthalene	16.13	128	1409	5.466	ug/l #	71

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QLast Update : Sat Aug 10 06:42:47 2019
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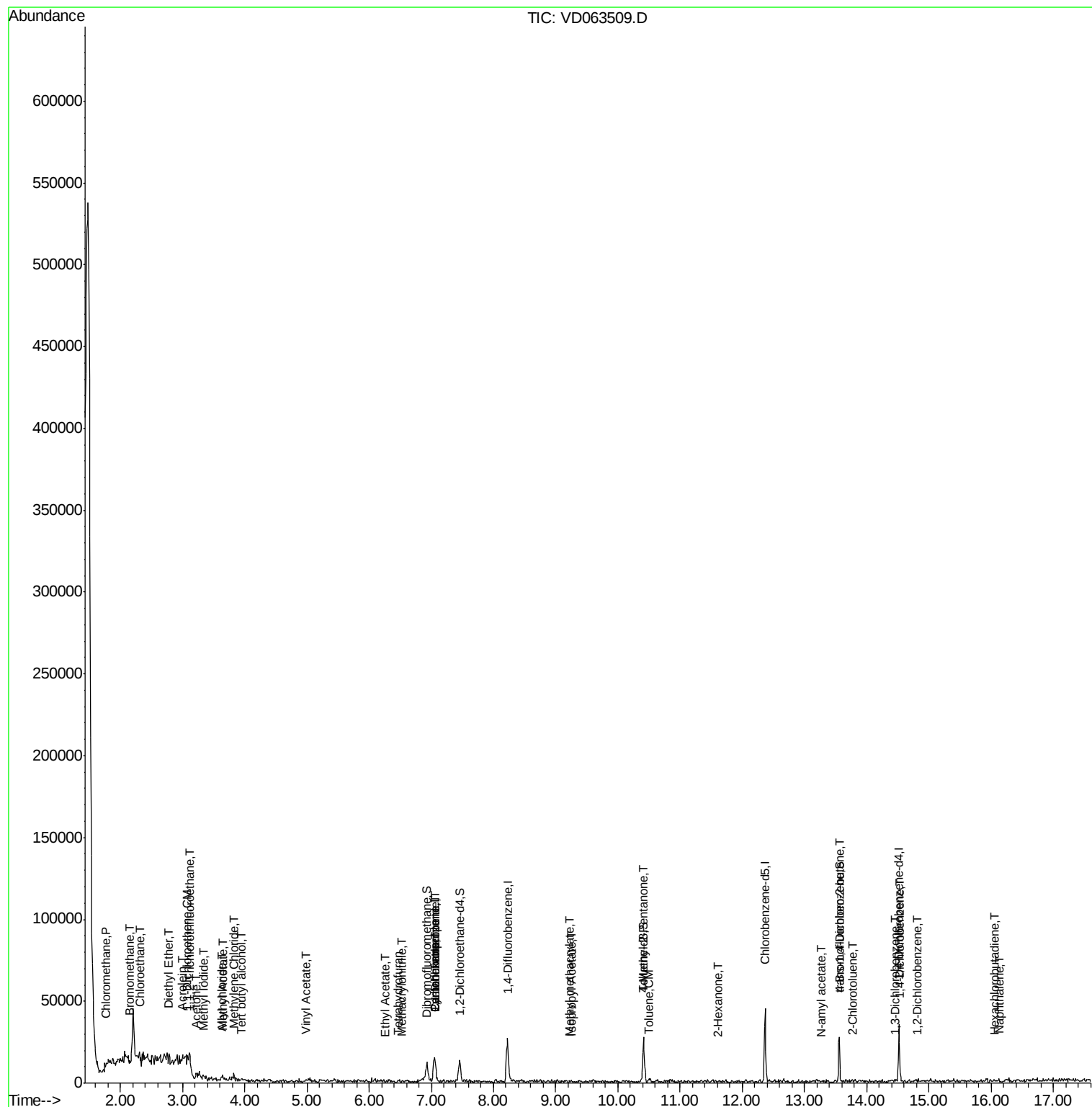
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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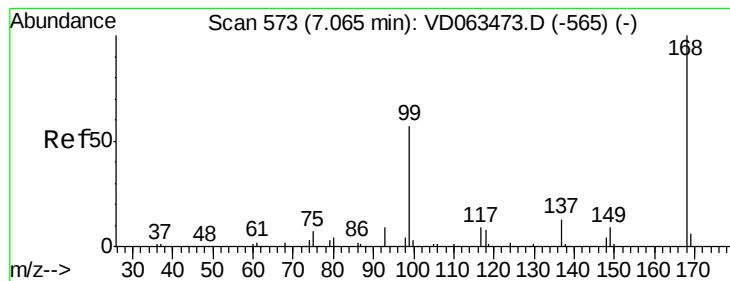
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081219\
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Acq On : 13 Aug 2019 2:52
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

Instrument :

MSVOA_D

ClientSampled :

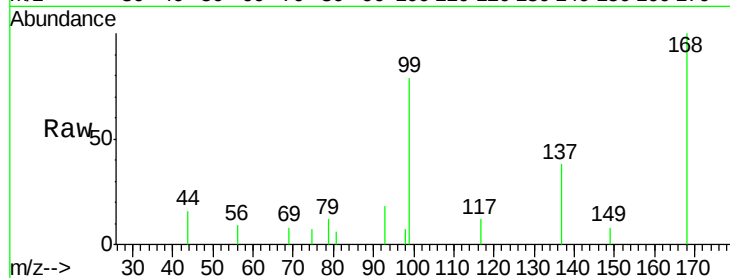
SP-8RE

Tot Ion:168 Resp: 15093

Ion Ratio Lower Upper

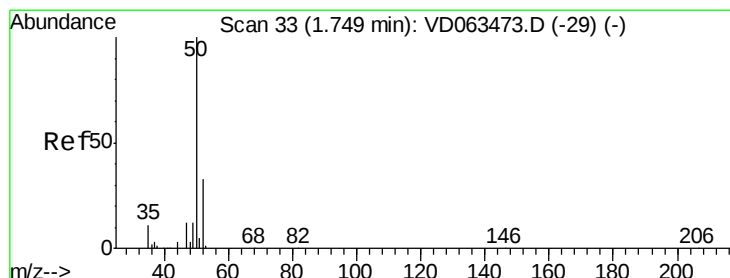
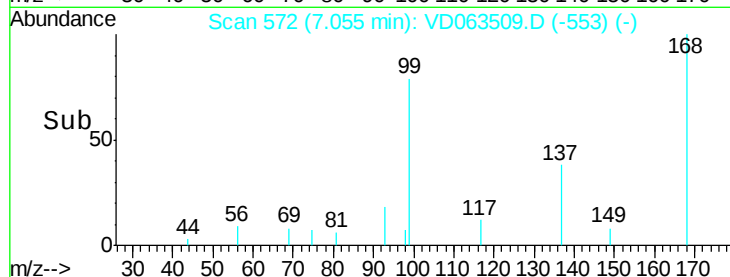
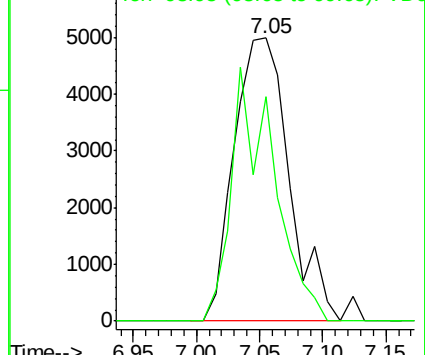
168 100

99 79.5 46.7 70.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 4.507 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.02 min

Lab File: VD063509.D

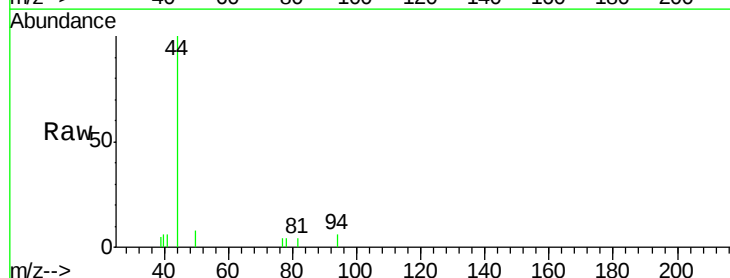
Acq: 13 Aug 2019 2:52

Tgt Ion: 50 Resp: 643

Ion Ratio Lower Upper

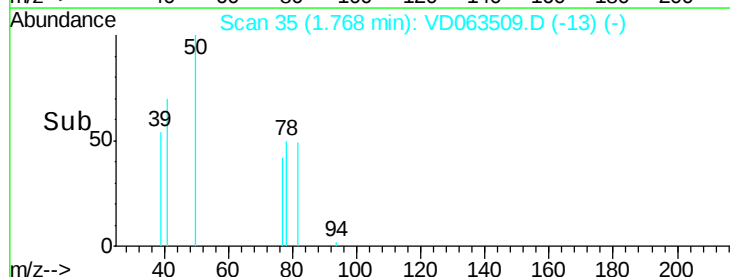
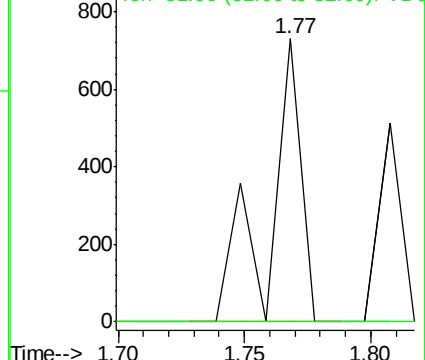
50 100

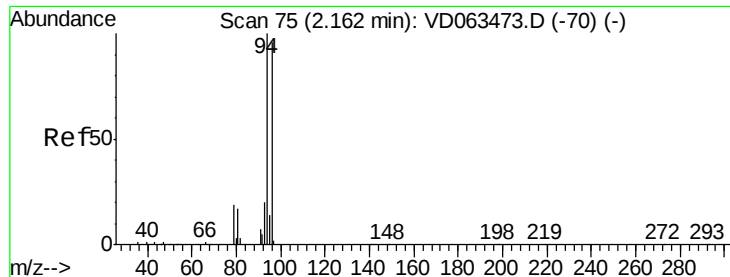
52 0.0 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 12.420 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

SP-8RE

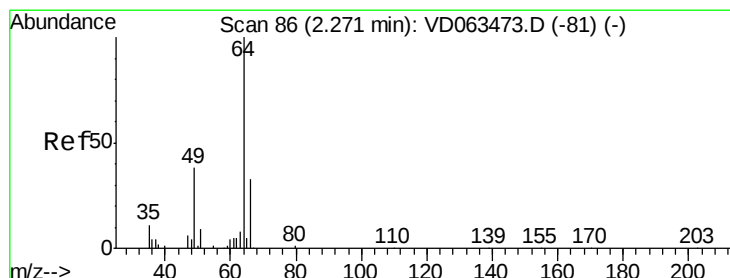
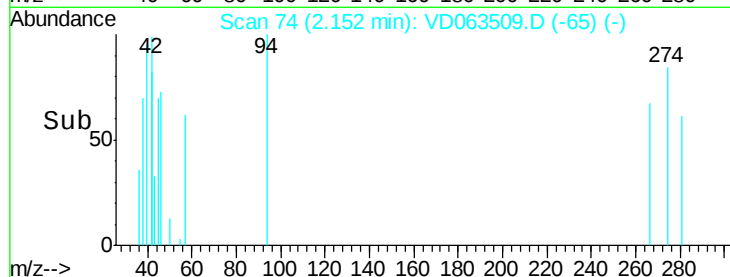
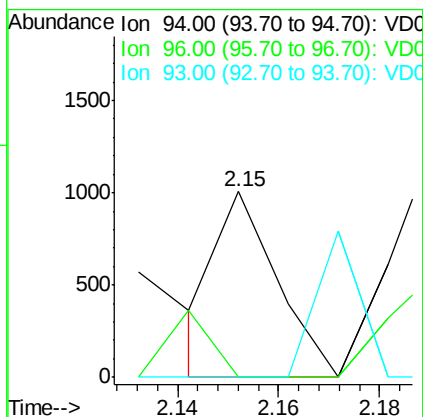
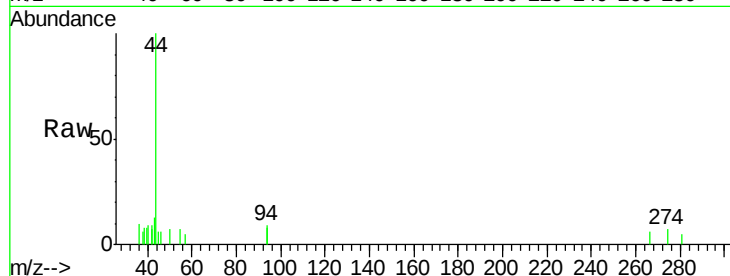
Tot Ion: 94 Resp: 830

Ion Ratio Lower Upper

94 100

96 0.0 76.5 114.7#

93 0.0 15.8 23.8#



#6

Chloroethane

Concen: 6.238 ug/l

RT: 2.30 min Scan# 89

Delta R.T. 0.03 min

Lab File: VD063509.D

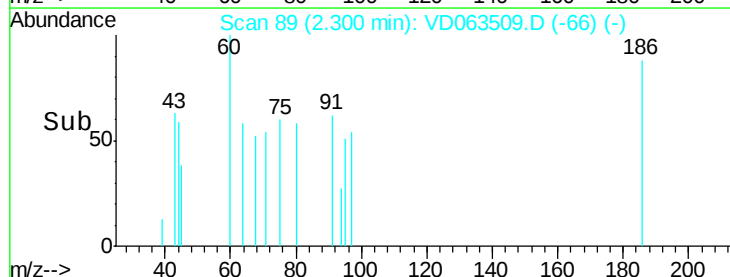
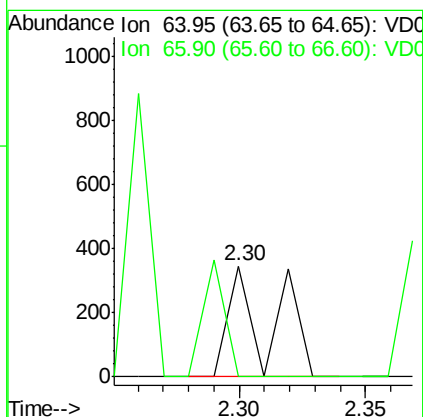
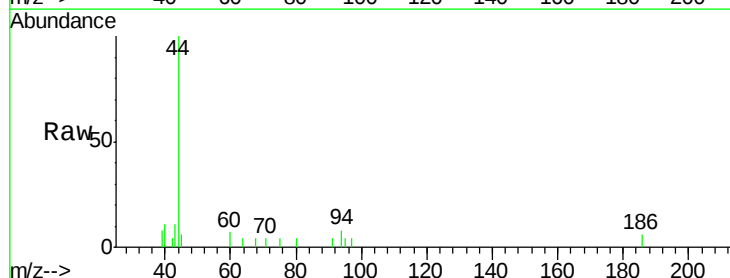
Acq: 13 Aug 2019 2:52

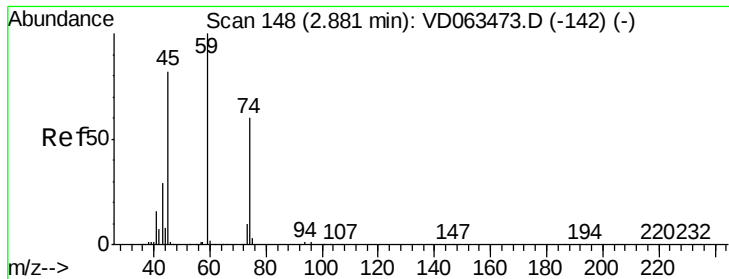
Tgt Ion: 64 Resp: 404

Ion Ratio Lower Upper

64 100

66 0.0 26.3 39.5#





#8

Diethyl Ether

Concen: 4.615 ug/l

RT: 2.79 min Scan# 139

Delta R.T. -0.09 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

Instrument :

MSVOA_D

ClientSampled :

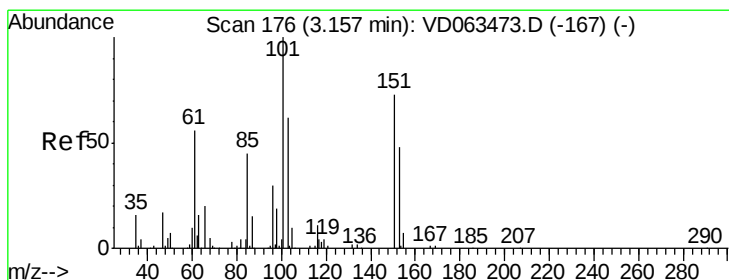
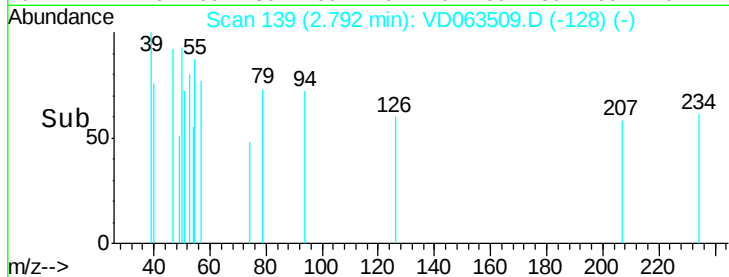
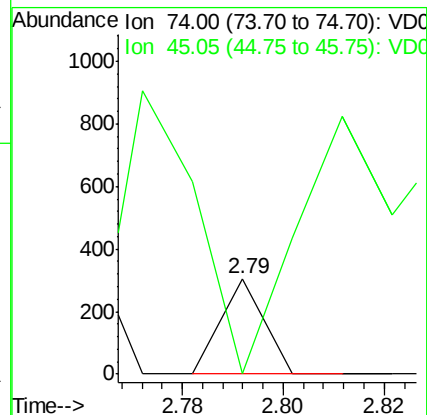
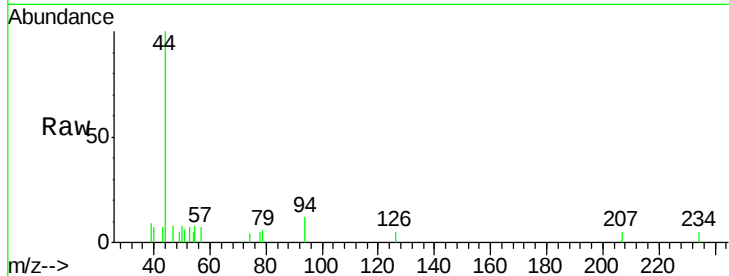
SP-8RE

Tot Ion: 74 Resp: 181

Ion Ratio Lower Upper

74 100

45 0.0 68.5 205.5#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.317 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.03 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

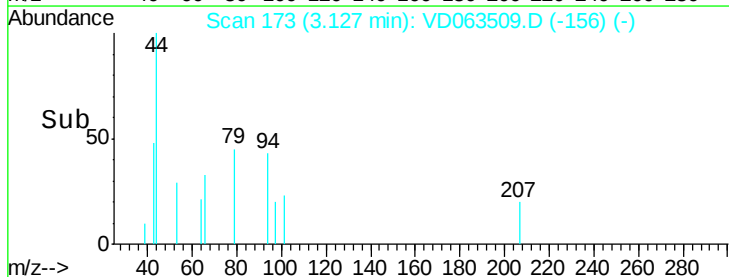
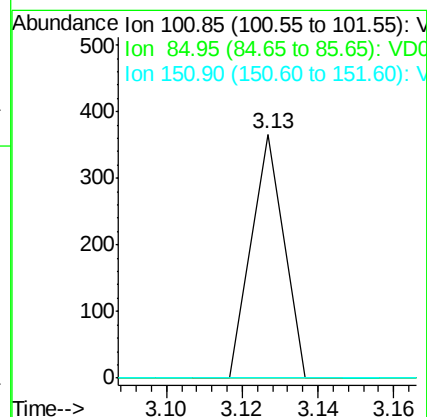
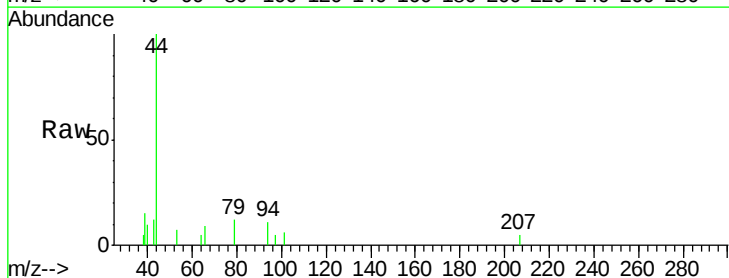
Tgt Ion: 101 Resp: 216

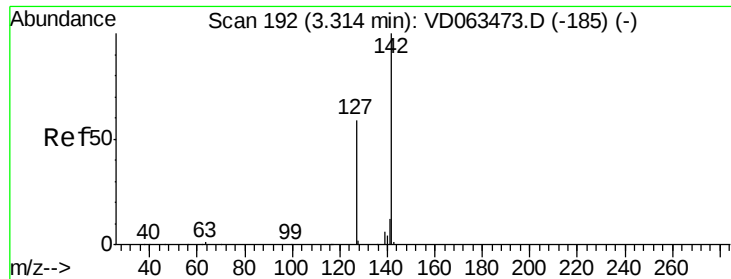
Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.6#

151 0.0 58.6 88.0#

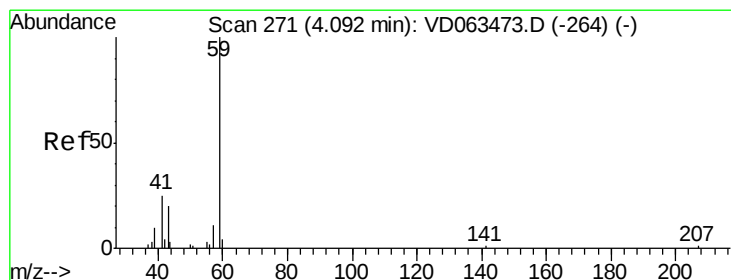
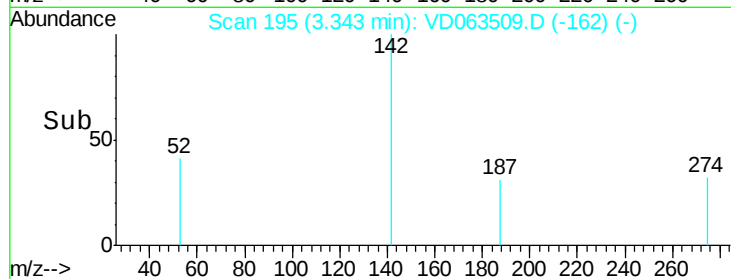
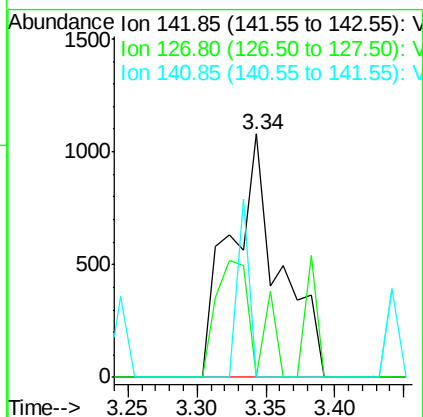
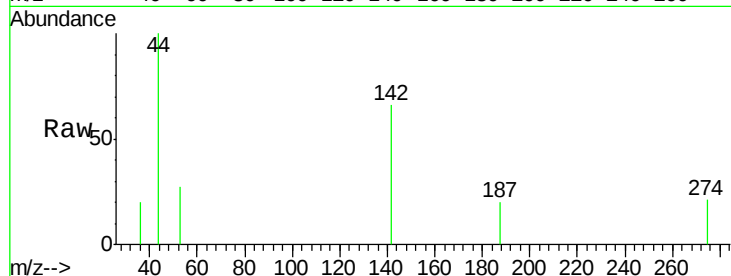




#10
Methvl Iodide
Concen: 11.353 ug/l
RT: 3.34 min Scan# 195
Delta R.T. 0.03 min
Lab File: VD063509.D
Acq: 13 Aug 2019 2:52

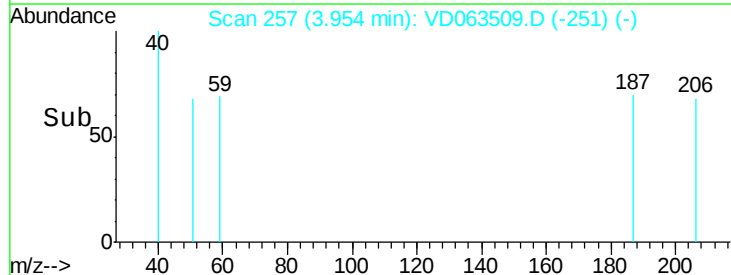
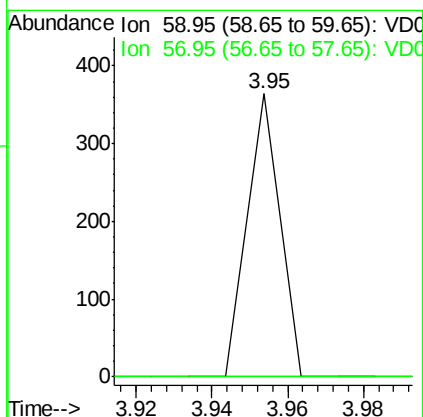
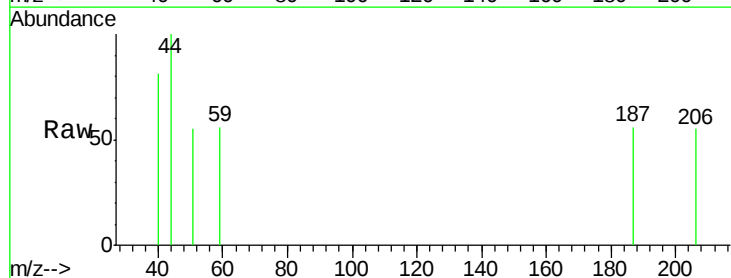
Instrument :
MSVOA_D
ClientSampleId :
SP-8RE

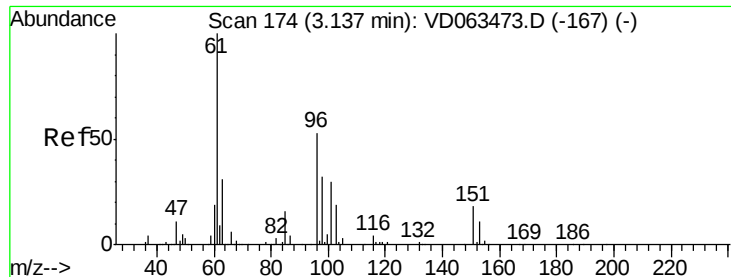
Tot Ion:142 Resp: 2635
Ion Ratio Lower Upper
142 100
127 0.0 47.2 70.8#
141 0.0 9.8 14.8#



#11
Tert butyl alcohol
Concen: 30.613 ug/l
RT: 3.95 min Scan# 257
Delta R.T. -0.14 min
Lab File: VD063509.D
Acq: 13 Aug 2019 2:52

Tgt Ion: 59 Resp: 215
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

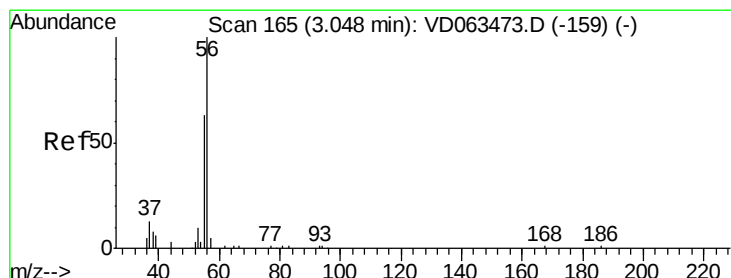
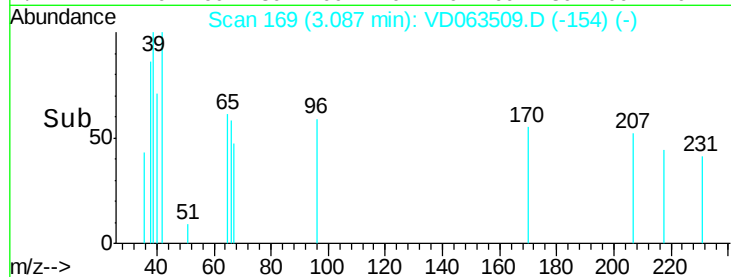
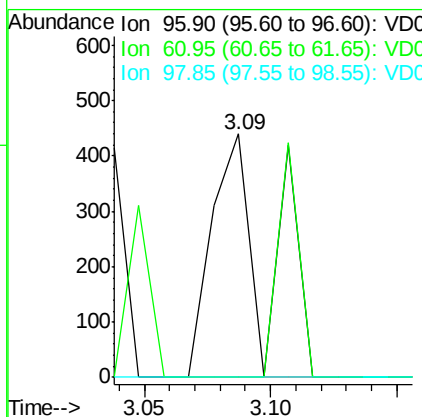
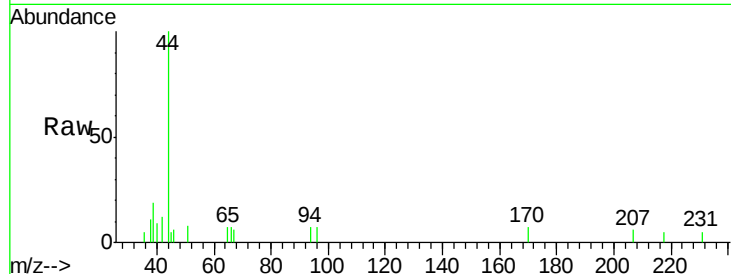




#12
 1,1-Dichloroethene
 Concen: 5.666 ug/l
 RT: 3.09 min Scan# 169
 Delta R.T. -0.05 min
 Lab File: VD063509.D
 Acq: 13 Aug 2019 2:52

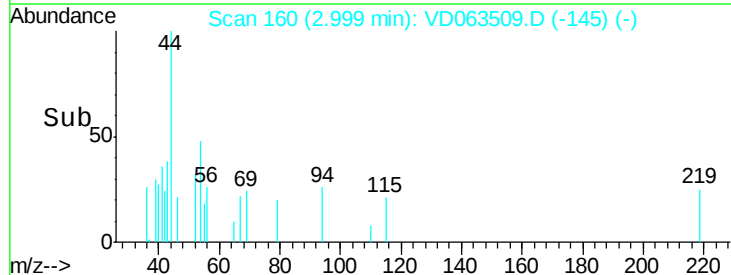
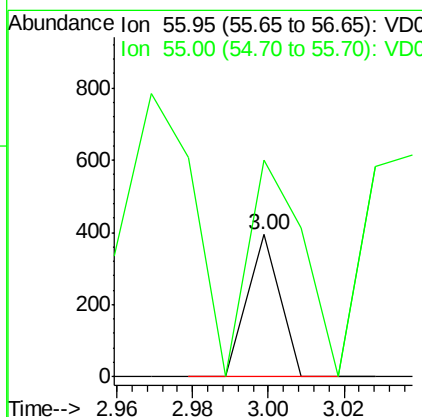
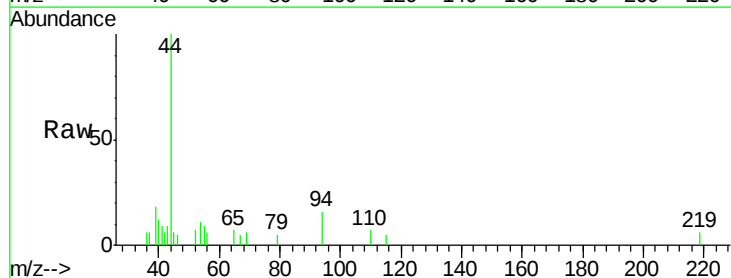
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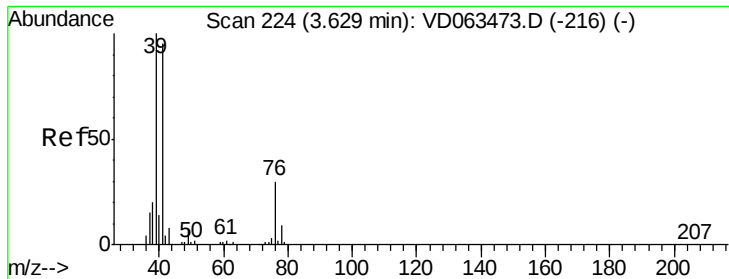
Tot Ion: 96 Resp: 691
 Ion Ratio Lower Upper
 96 100
 61 0.0 151.7 227.5#
 98 0.0 48.4 72.6#



#13
 Acrolein
 Concen: 33.705 ug/l
 RT: 3.00 min Scan# 160
 Delta R.T. -0.05 min
 Lab File: VD063509.D
 Acq: 13 Aug 2019 2:52

Tgt Ion: 56 Resp: 233
 Ion Ratio Lower Upper
 56 100
 55 152.3 51.3 76.9#

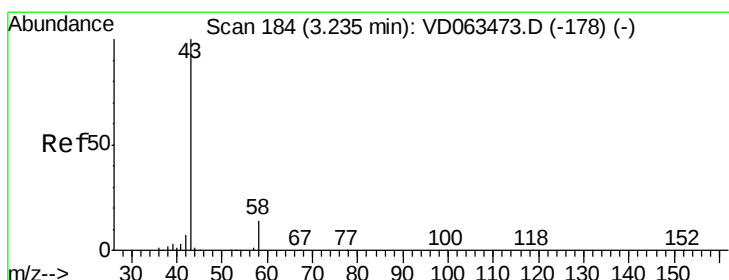
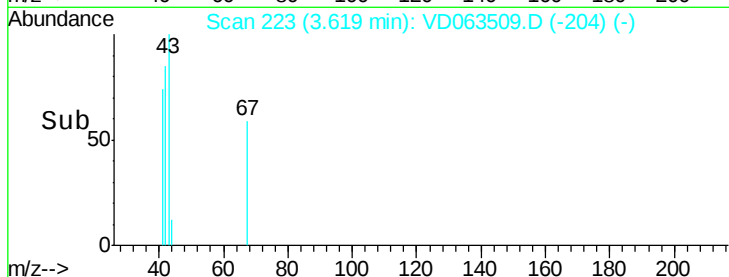
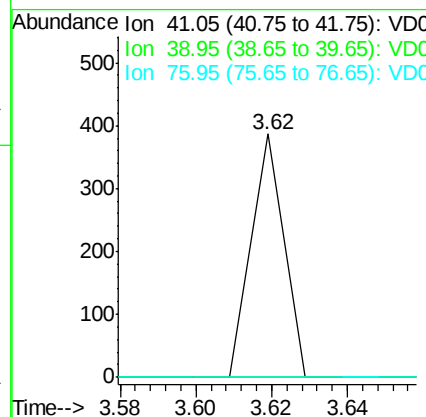
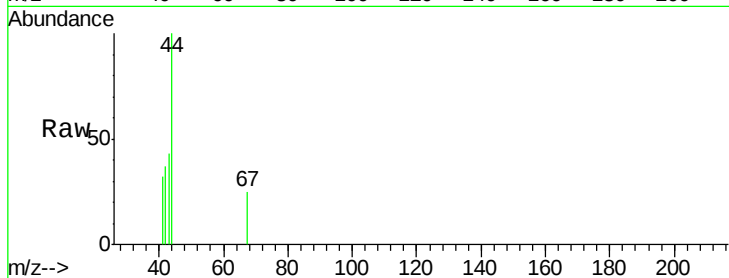




#14
Allvl chloride
Concen: 1.249 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD063509.D
Acq: 13 Aug 2019 2:52

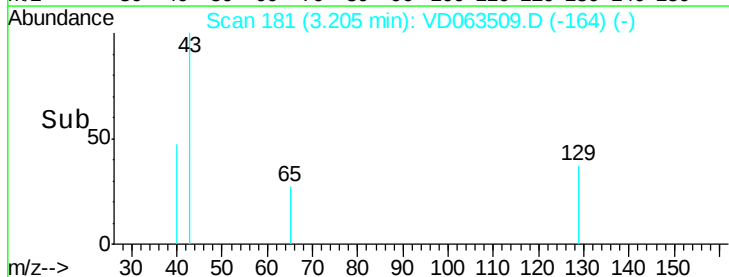
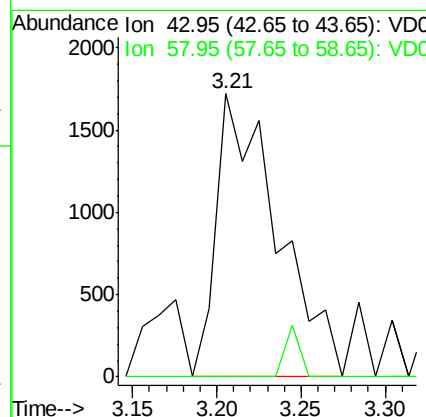
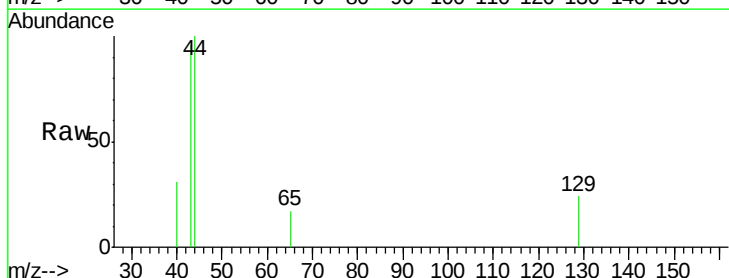
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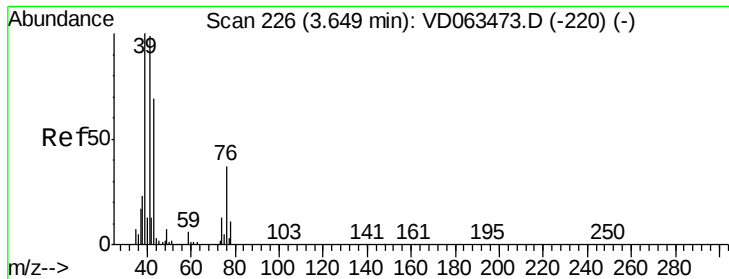
Tot Ion: 41 Resp: 229
Ion Ratio Lower Upper
41 100
39 0.0 84.2 126.4#
76 0.0 26.0 39.0#



#16
Acetone
Concen: 131.846 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.03 min
Lab File: VD063509.D
Acq: 13 Aug 2019 2:52

Tgt Ion: 43 Resp: 4324
Ion Ratio Lower Upper
43 100
58 0.0 11.4 17.2#

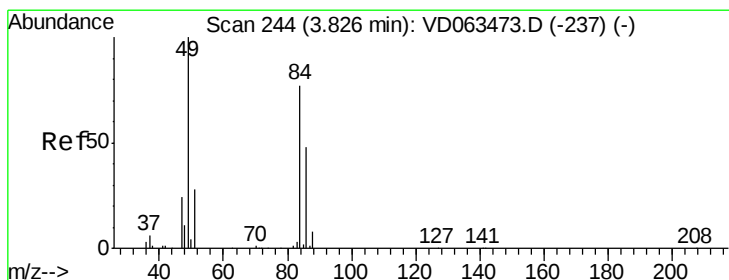
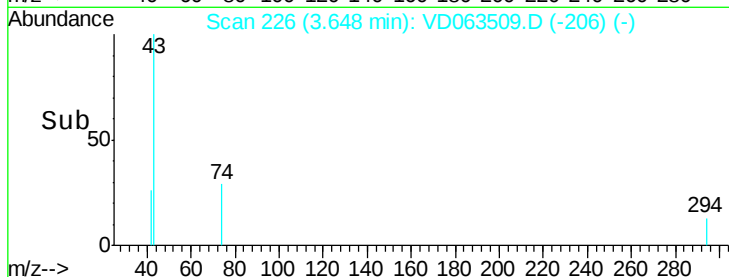
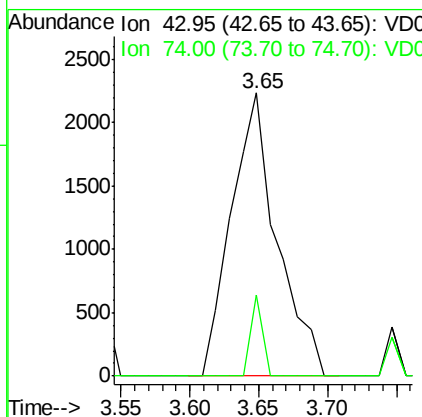
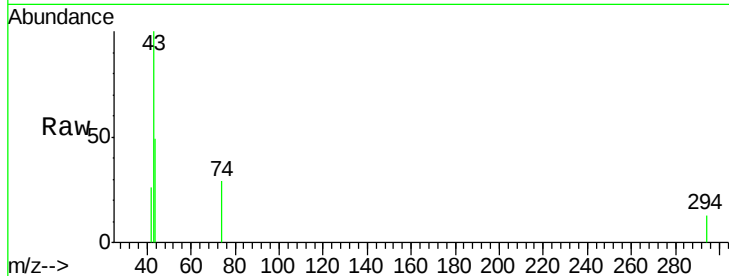




#18
Methvl Acetate
Concen: 82.969 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD063509.D
Acq: 13 Aug 2019 2:52

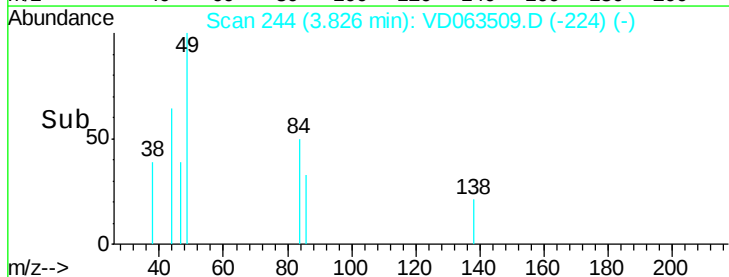
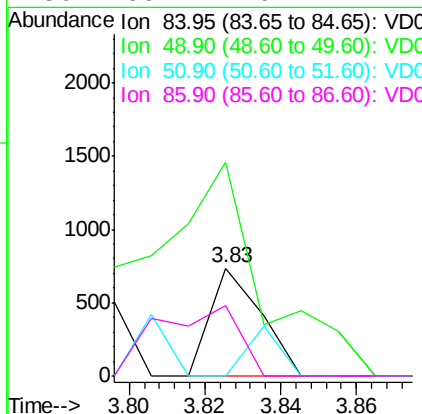
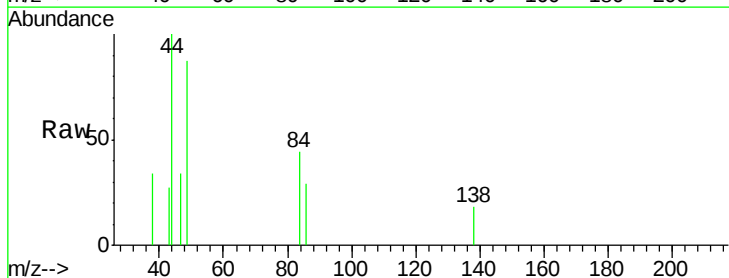
Instrument :
MSVOA_D
ClientSampleId :
SP-8RE

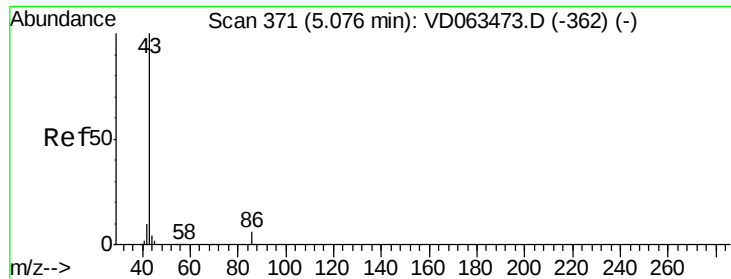
Tot Ion: 43 Resp: 5154
Ion Ratio Lower Upper
43 100
74 28.9 15.4 23.2#



#20
Methylene Chloride
Concen: 4.774 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD063509.D
Acq: 13 Aug 2019 2:52

Tgt Ion: 84 Resp: 677
Ion Ratio Lower Upper
84 100
49 198.1 103.4 155.2#
51 0.0 28.5 42.7#
86 65.1 49.4 74.2





#23

Vinyl Acetate

Concen: 1.164 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.09 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

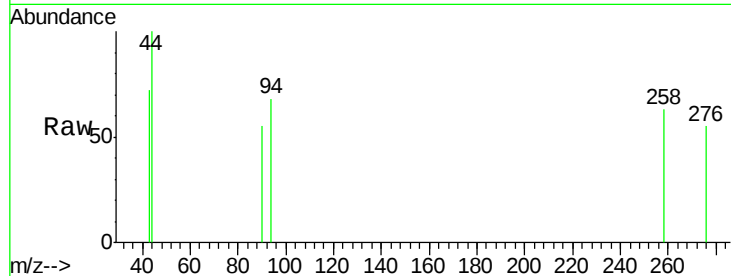
SP-8RE

Tot Ion: 43 Resp: 256

Ion Ratio Lower Upper

43 100

86 0.0 4.8 7.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.99

400

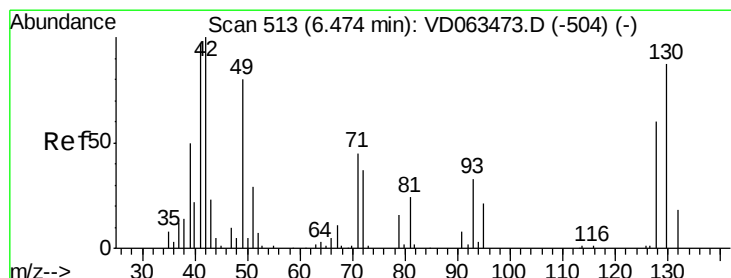
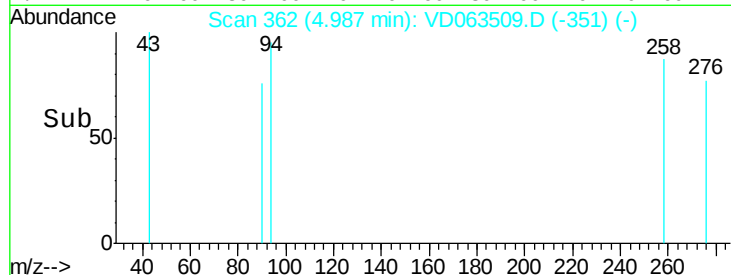
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 59.895 ug/l

RT: 6.47 min Scan# 513

Delta R.T. -0.00 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

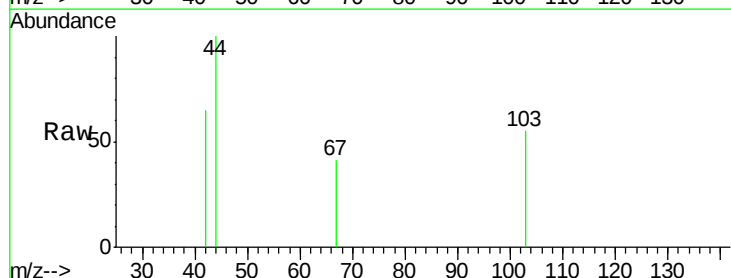
Tgt Ion: 42 Resp: 904

Ion Ratio Lower Upper

42 100

72 0.0 31.5 47.3#

71 0.0 33.8 50.8#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

600

500

400

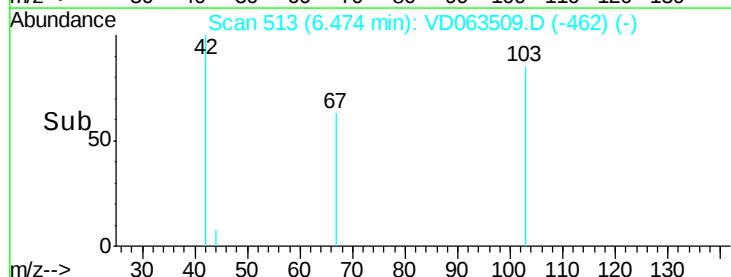
300

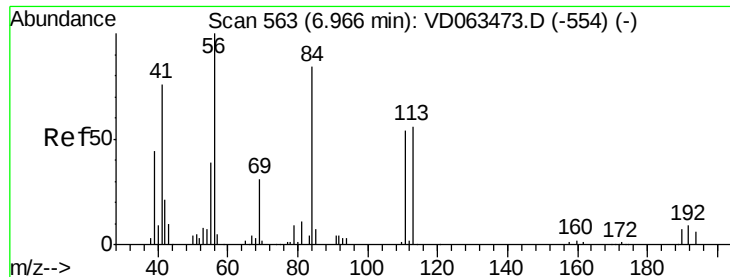
200

100

0

Time-->

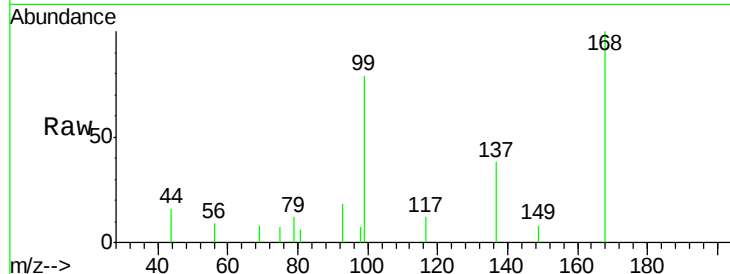




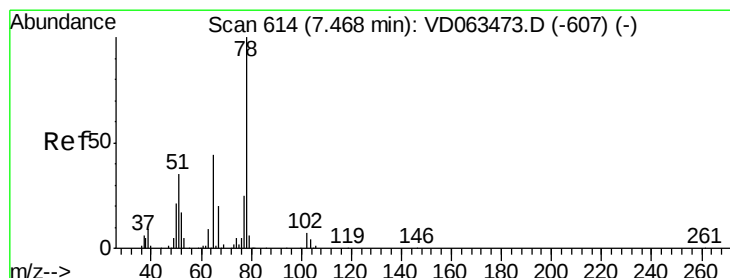
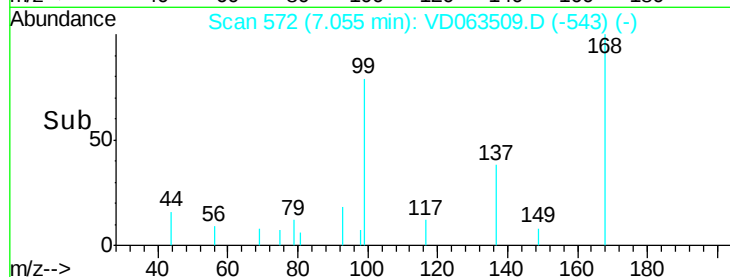
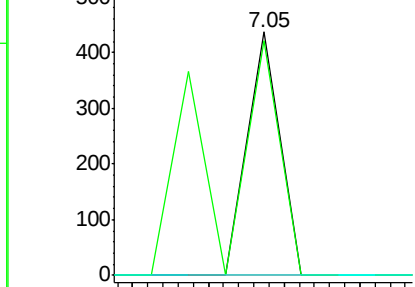
#31
Cyclohexane
Concen: 1.771 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.09 min
Lab File: VD063509.D
Acq: 13 Aug 2019 2:52

Instrument :
MSVOA_D
ClientSampleId :
SP-8RE

Tot Ion: 56 Resp: 258
Ion Ratio Lower Upper
56 100
69 96.6 25.0 37.6#
84 0.0 69.7 104.5#

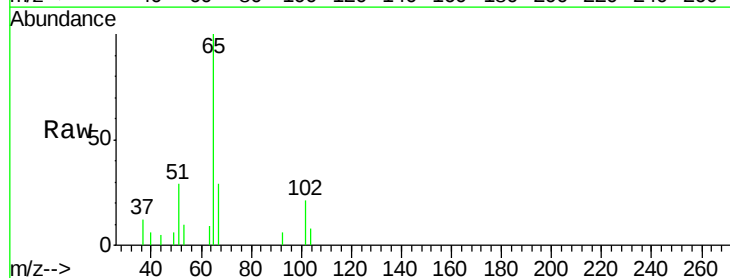


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

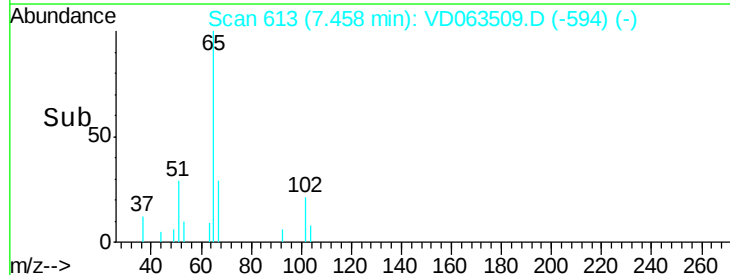
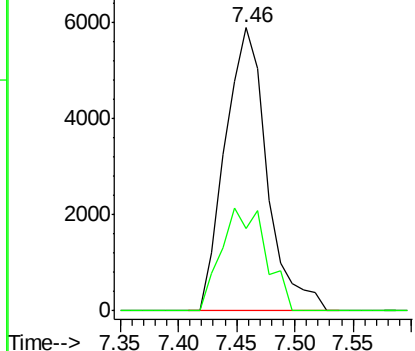


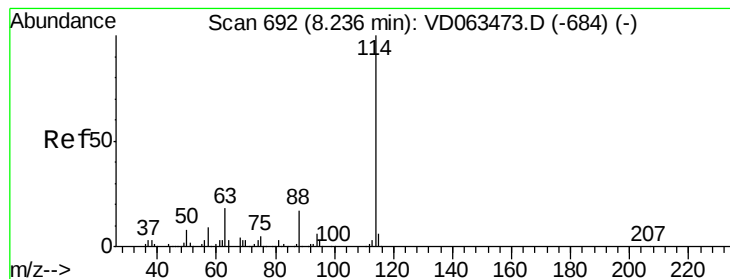
#33
1,2-Dichloroethane-d4
Concen: 90.713 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063509.D
Acq: 13 Aug 2019 2:52

Tgt Ion: 65 Resp: 14635
Ion Ratio Lower Upper
65 100
67 29.2 0.0 89.2



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: 8.23 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

SP-8RE

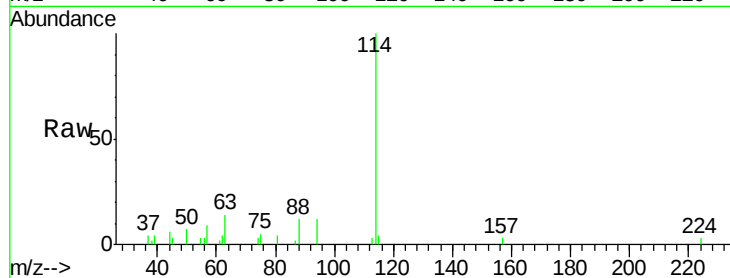
Tot Ion:114 Resp: 29779

Ion Ratio Lower Upper

114 100

63 14.4 0.0 36.2

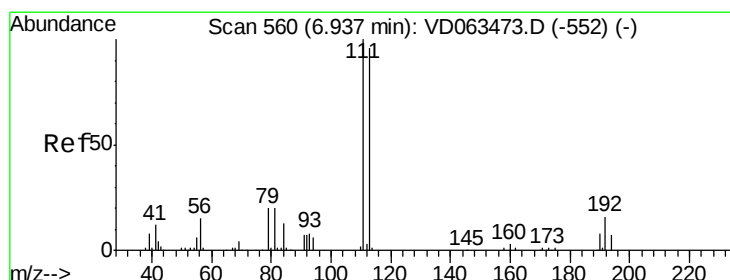
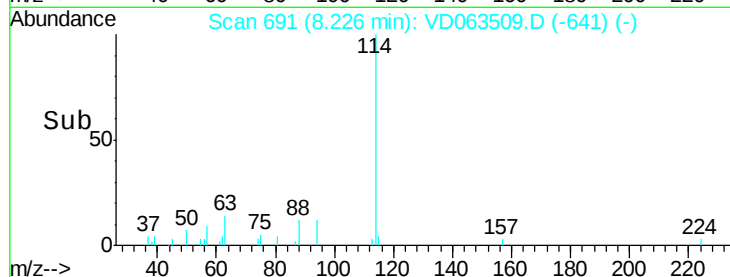
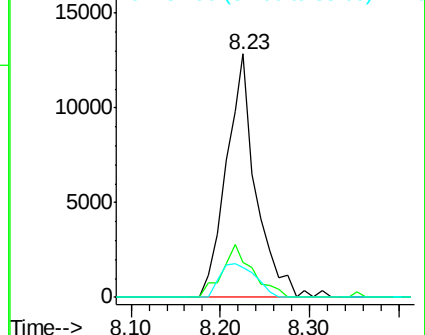
88 12.5 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 33.672 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

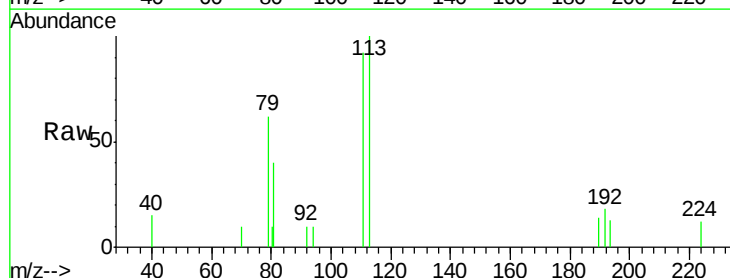
Tgt Ion:113 Resp: 8445

Ion Ratio Lower Upper

113 100

111 92.3 83.1 124.7

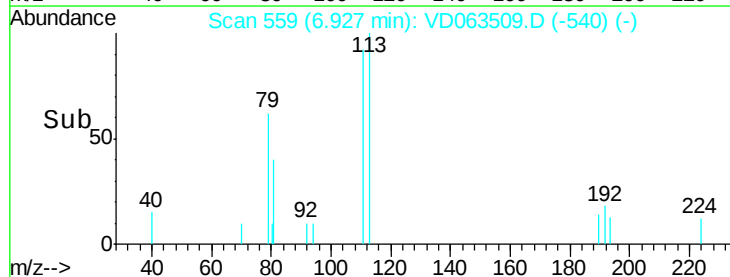
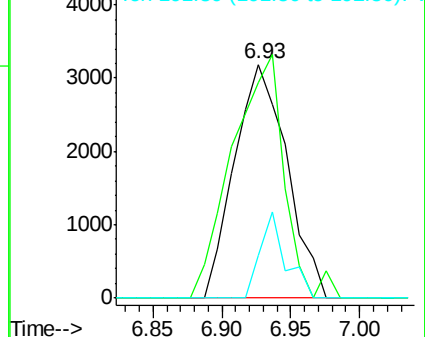
192 18.2 13.1 19.7

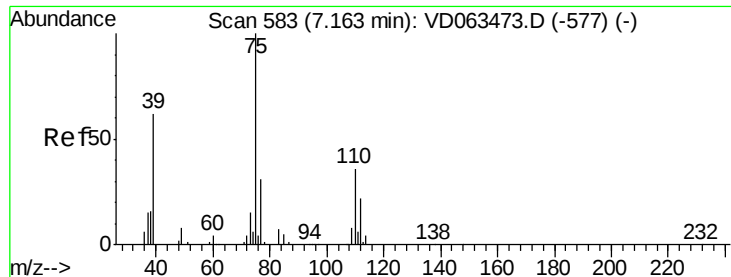


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

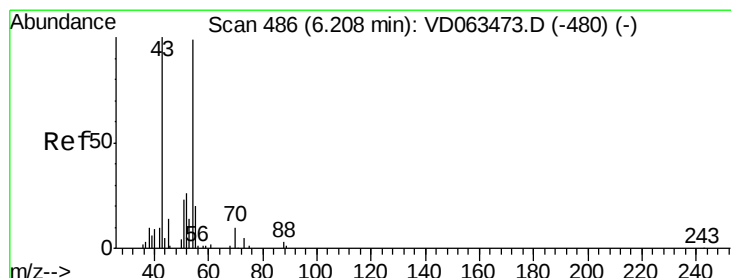
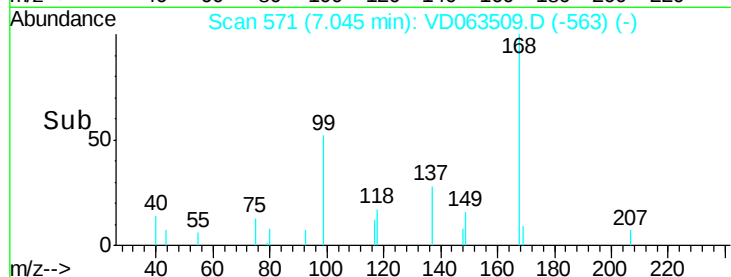
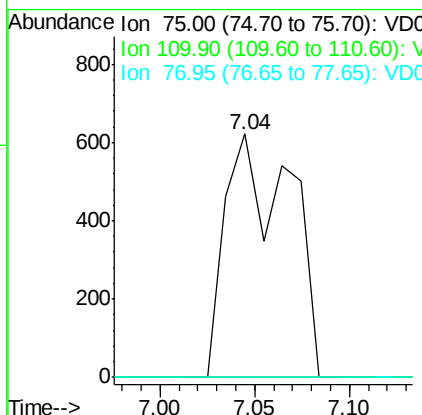
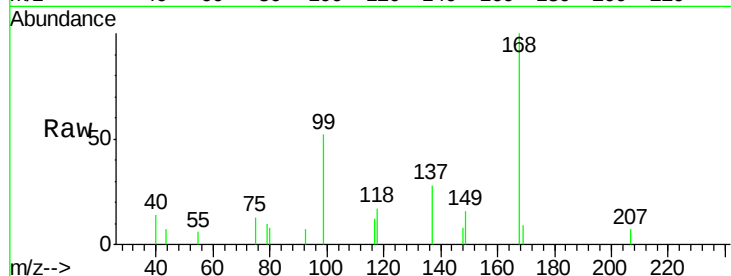




#36
 1,1-Dichloropropene
 Concen: 5.554 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.12 min
 Lab File: VD063509.D
 Acq: 13 Aug 2019 2:52

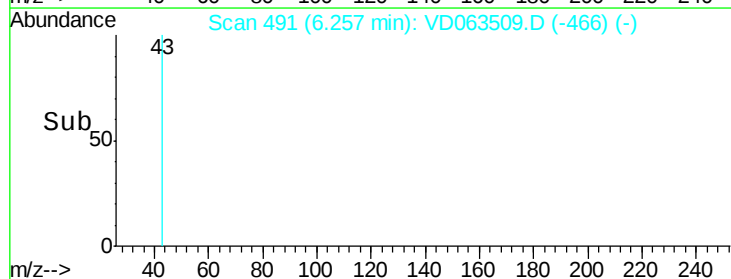
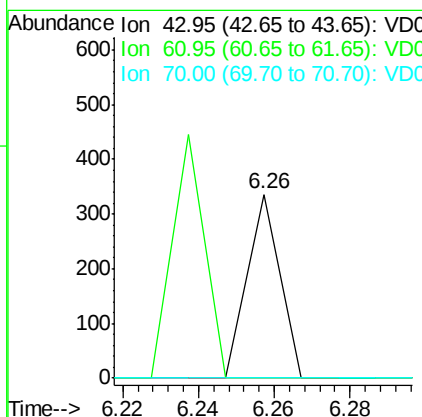
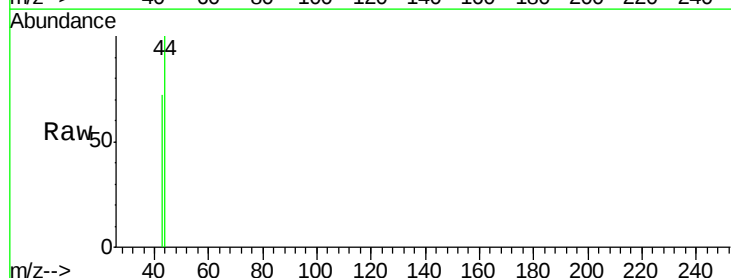
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-8RE

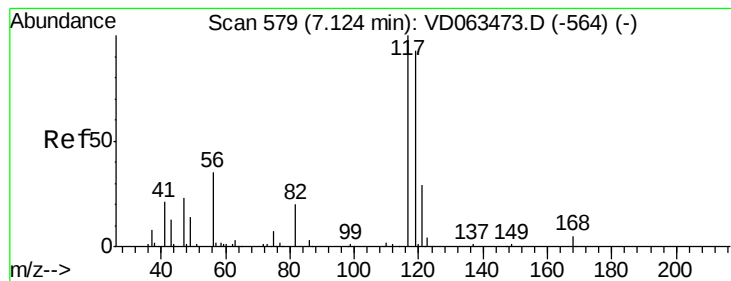
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.6	52.8#
77	0.0	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 1.795 ug/l
 RT: 6.26 min Scan# 491
 Delta R.T. 0.05 min
 Lab File: VD063509.D
 Acq: 13 Aug 2019 2:52

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.0	13.6#
70	0.0	6.9	10.3#





#38

Carbon Tetrachloride

Concen: 2.727 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

SP-8RE

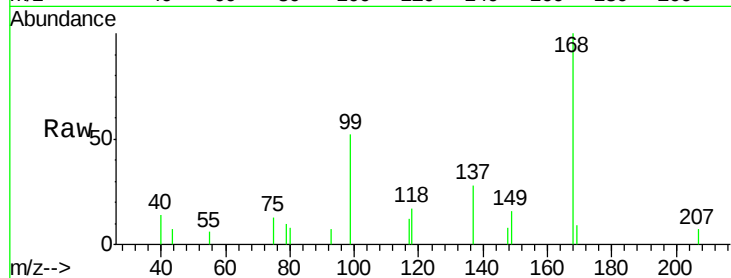
Tot Ion:117 Resp: 1082

Ion Ratio Lower Upper

117 100

119 0.0 74.2 111.2#

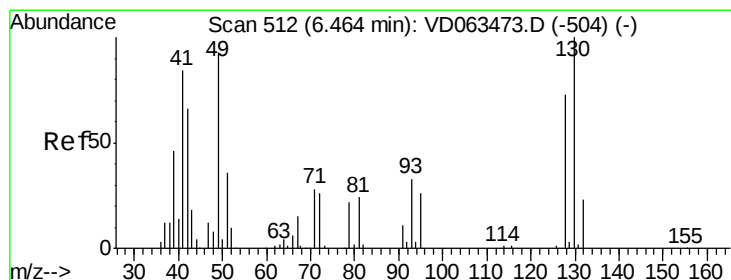
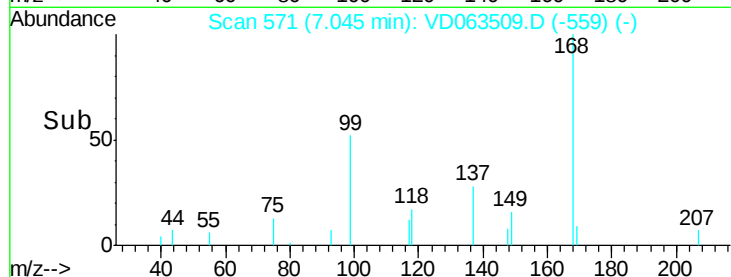
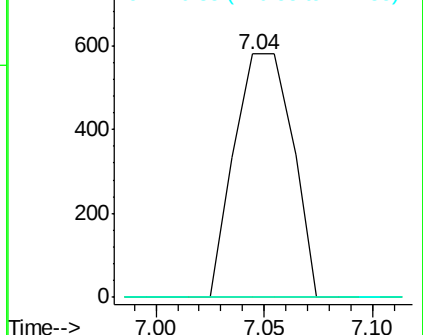
121 0.0 23.1 34.7#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#41

Methacrylonitrile

Concen: 2.290 ug/l

RT: 6.53 min Scan# 519

Delta R.T. 0.07 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

Tgt Ion: 41 Resp: 318

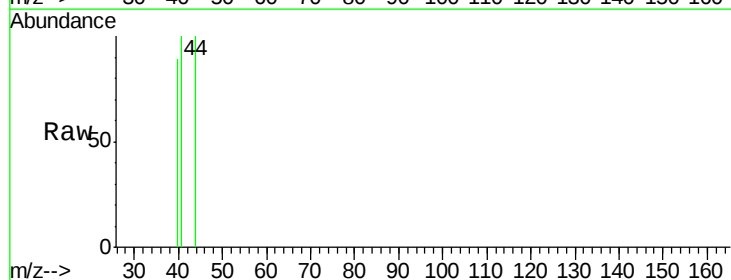
Ion Ratio Lower Upper

41 100

39 0.0 44.6 66.8#

67 0.0 14.4 21.6#

52 0.0 9.3 13.9#

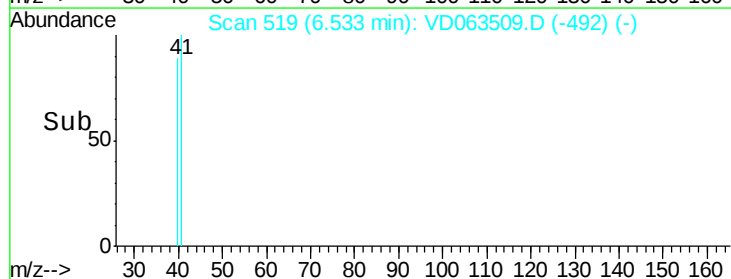
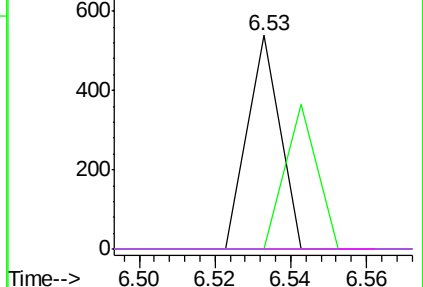


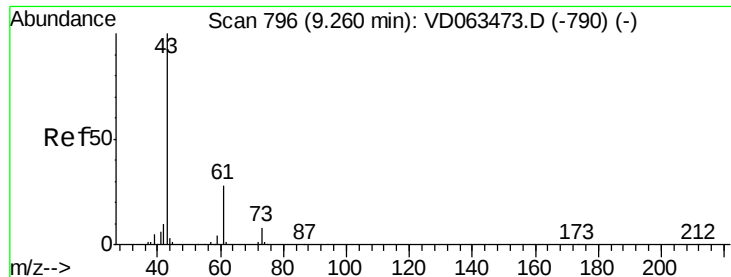
Abundance Ion 40.95 (40.65 to 41.65): V

Ion 38.95 (38.65 to 39.65): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 1.638 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

SP-8RE

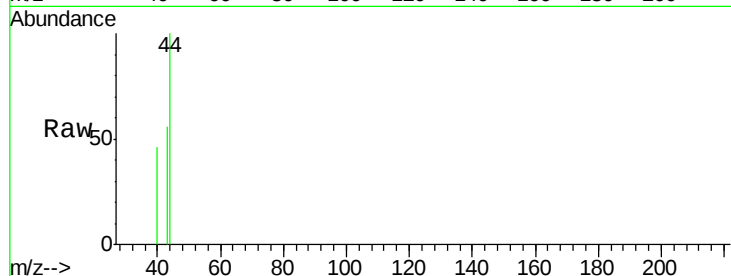
Tot Ion: 43 Resp: 242

Ion Ratio Lower Upper

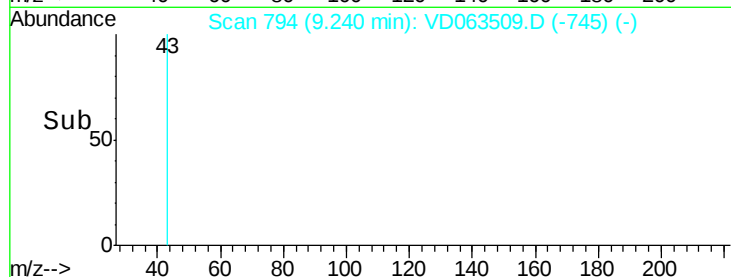
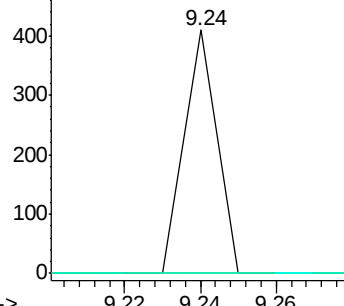
43 100

61 0.0 22.2 33.2#

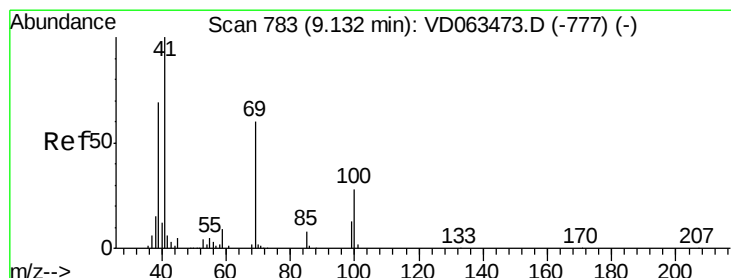
87 0.0 0.2 0.4#



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



Time-->



#48

Methyl methacrylate

Concen: 1.846 ug/l

RT: 9.22 min Scan# 792

Delta R.T. 0.09 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

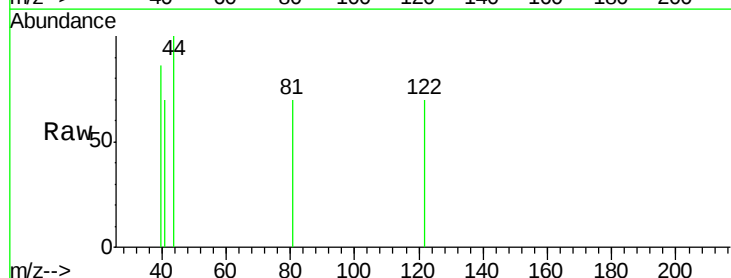
Tgt Ion: 41 Resp: 185

Ion Ratio Lower Upper

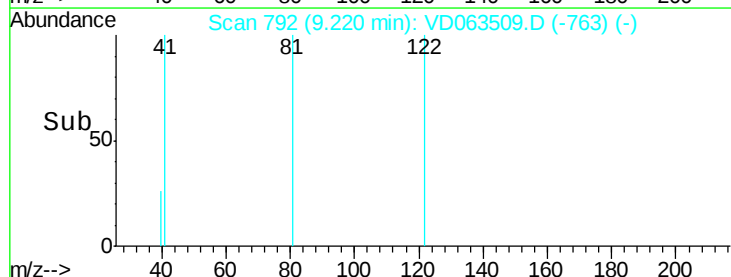
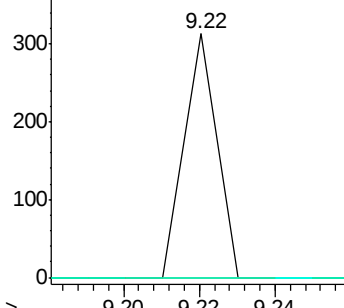
41 100

69 0.0 47.6 71.4#

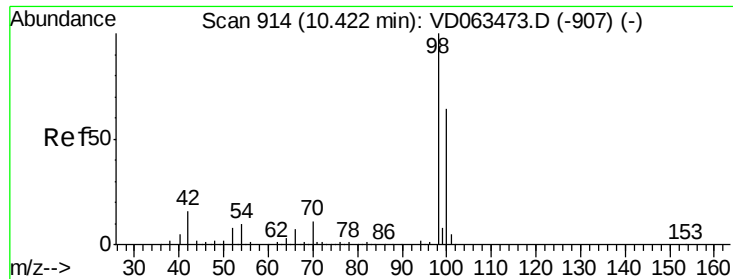
39 0.0 55.7 83.5#



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



Time-->



#50

Toluene-d8

Concen: 39.235 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

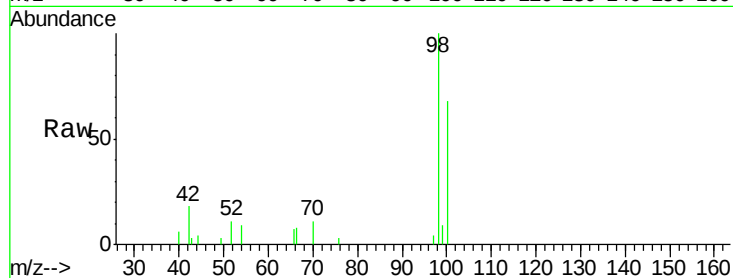
SP-8RE

Tot Ion: 98 Resp: 21634

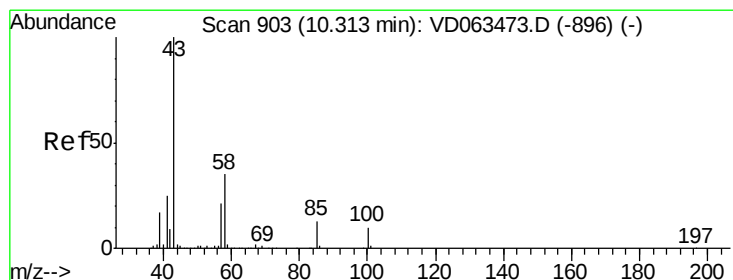
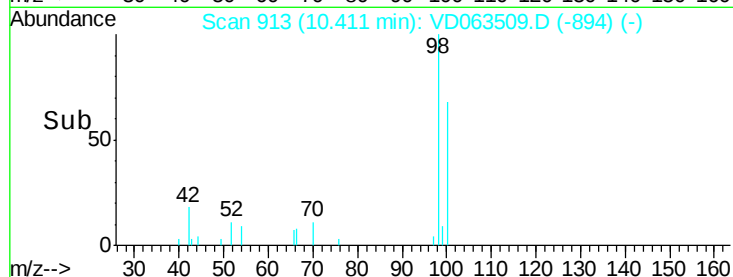
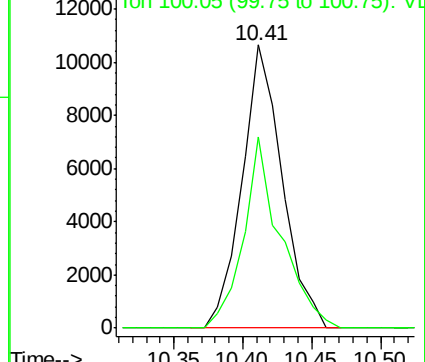
Ion Ratio Lower Upper

98 100

100 67.6 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VD063473.D (-907) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.156 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.10 min

Lab File: VD063509.D

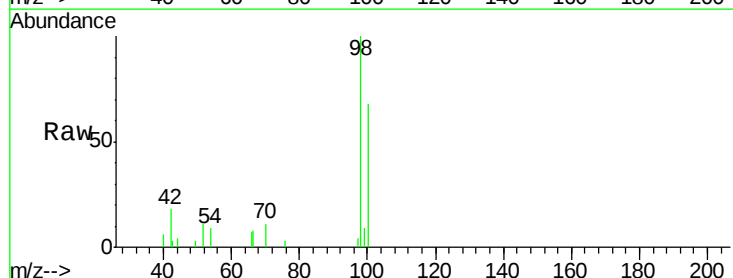
Acq: 13 Aug 2019 2:52

Tgt Ion: 43 Resp: 218

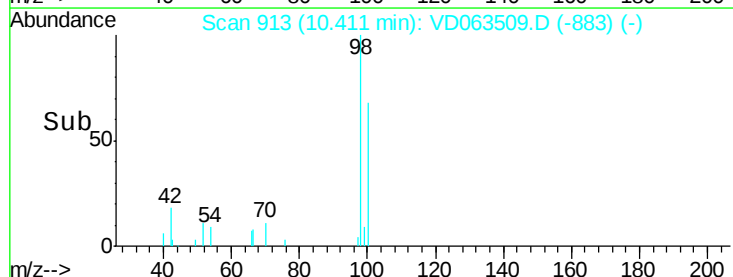
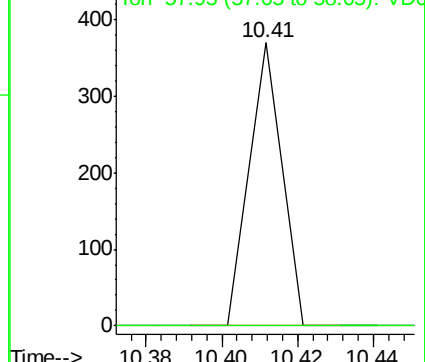
Ion Ratio Lower Upper

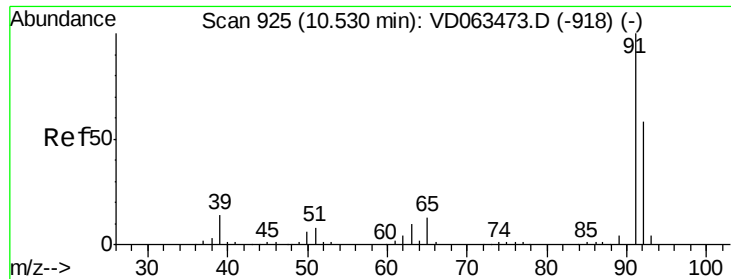
43 100

58 0.0 28.0 42.0#



Abundance Ion 42.95 (42.65 to 43.65): VD063473.D (-896) (-)





#52

Toluene

Concen: 1.578 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

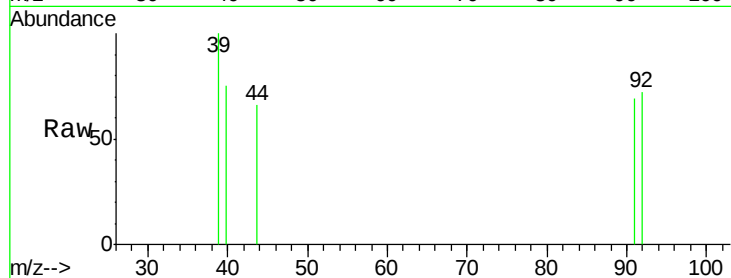
SP-8RE

Tot Ion: 92 Resp: 589

Ion Ratio Lower Upper

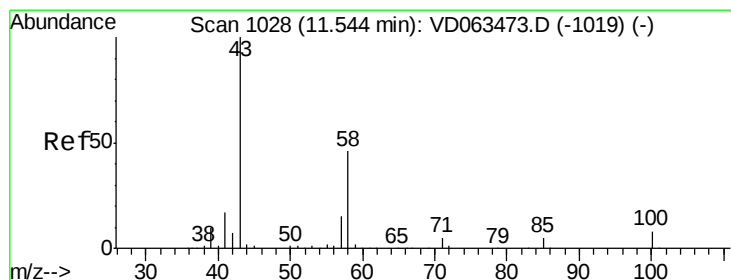
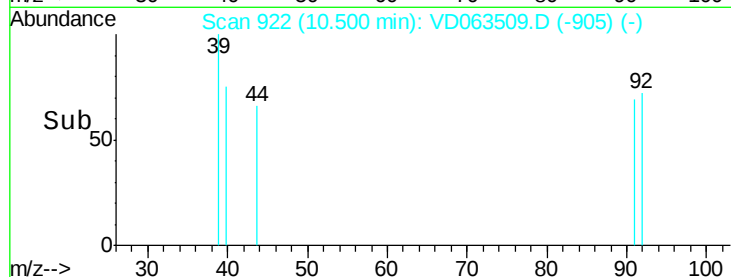
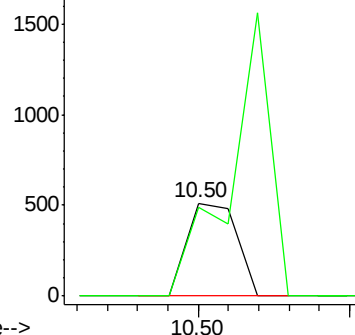
92 100

91 95.7 137.9 206.9#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#59

2-Hexanone

Concen: 2.637 ug/l

RT: 11.61 min Scan# 1035

Delta R.T. 0.07 min

Lab File: VD063509.D

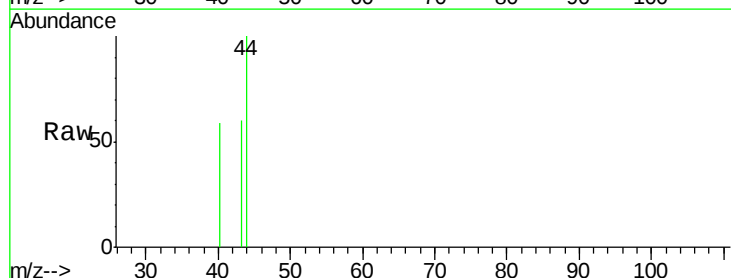
Acq: 13 Aug 2019 2:52

Tgt Ion: 43 Resp: 194

Ion Ratio Lower Upper

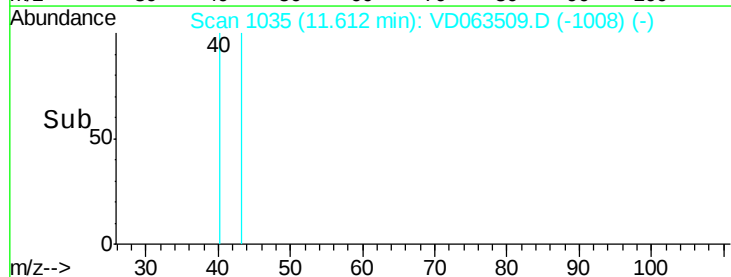
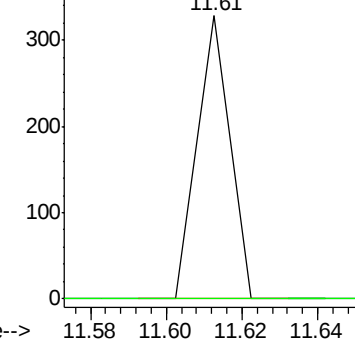
43 100

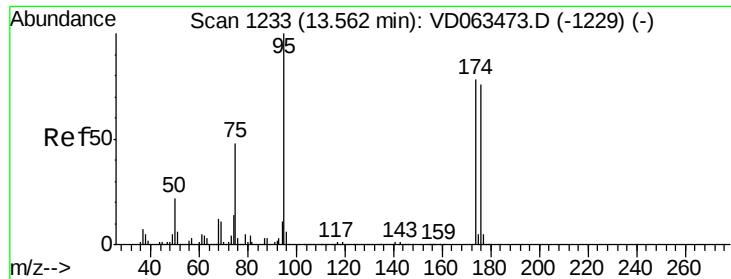
58 0.0 23.1 69.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: 34.031 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

SP-8RE

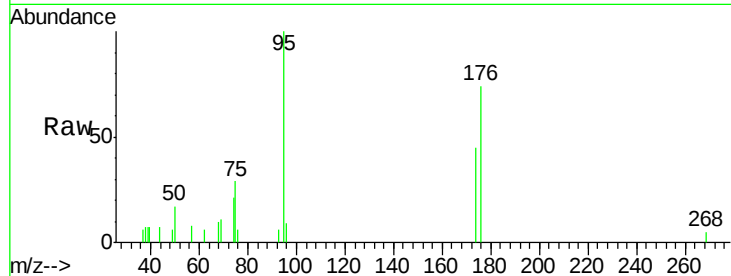
Tot Ion: 95 Resp: 8505

Ion Ratio Lower Upper

95 100

174 44.7 0.0 155.4

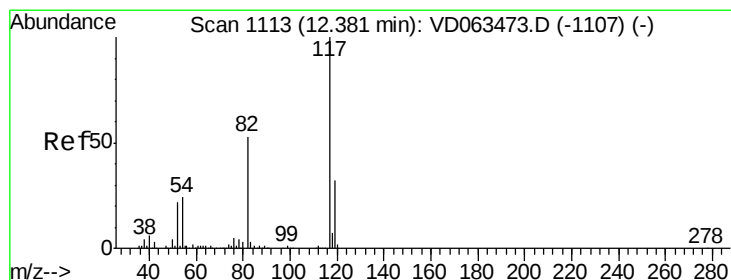
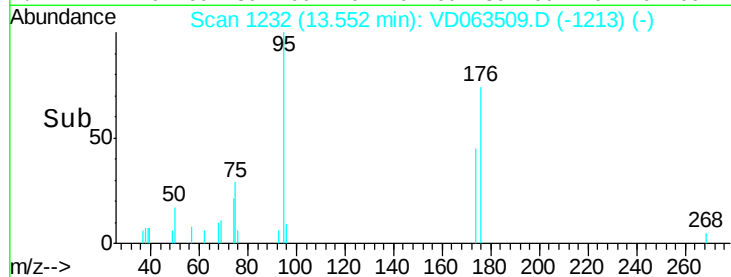
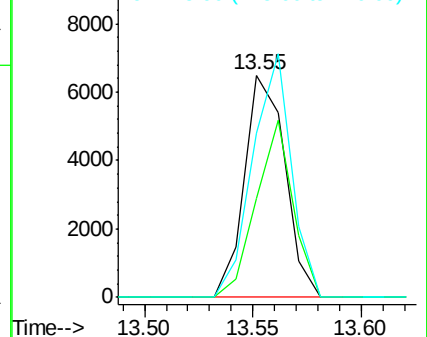
176 73.9 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

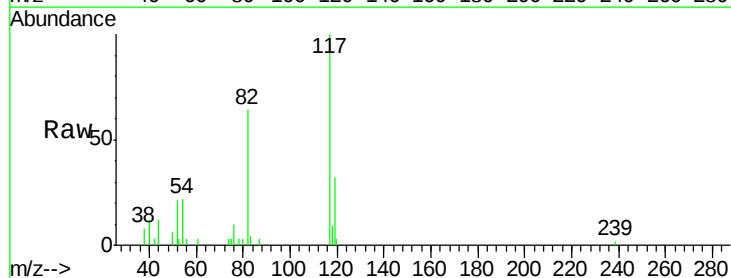
Tgt Ion: 117 Resp: 20987

Ion Ratio Lower Upper

117 100

82 63.5 42.0 63.0#

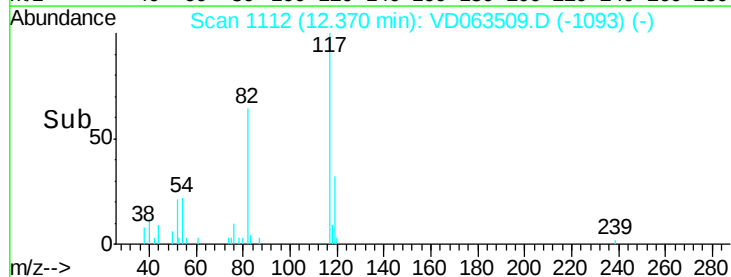
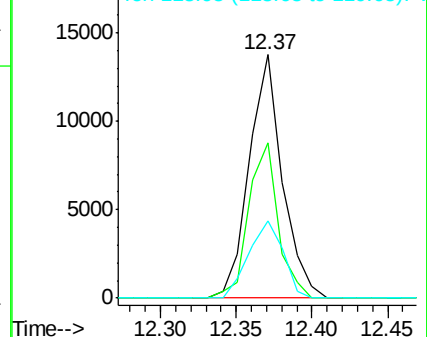
119 31.9 25.4 38.0

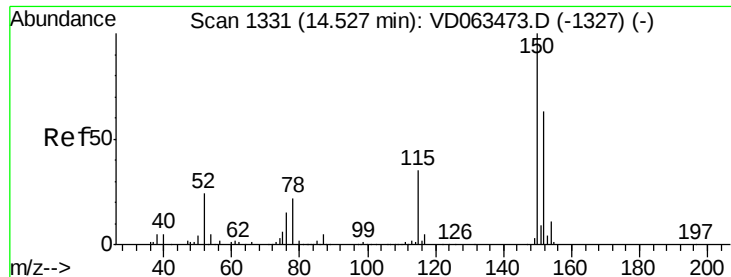


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

SP-8RE

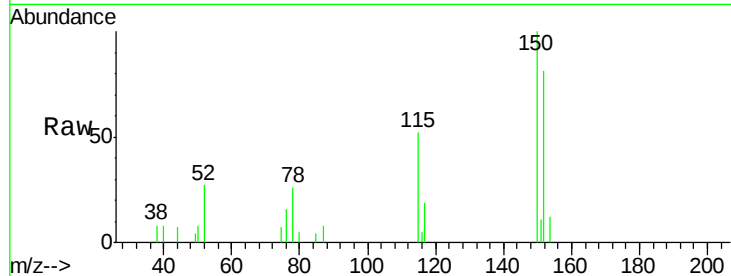
Tot Ion:152 Resp: 8665

Ion Ratio Lower Upper

152 100

115 64.1 30.9 92.7

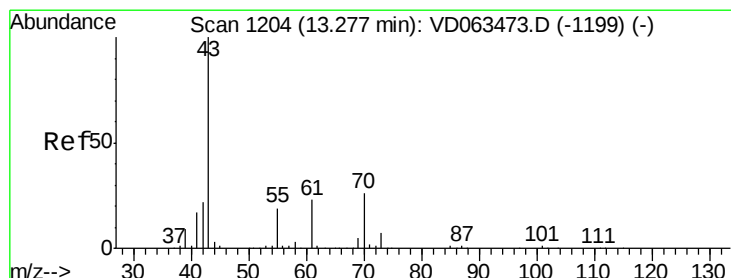
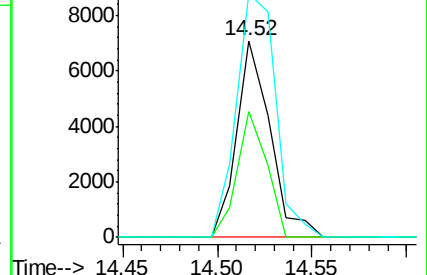
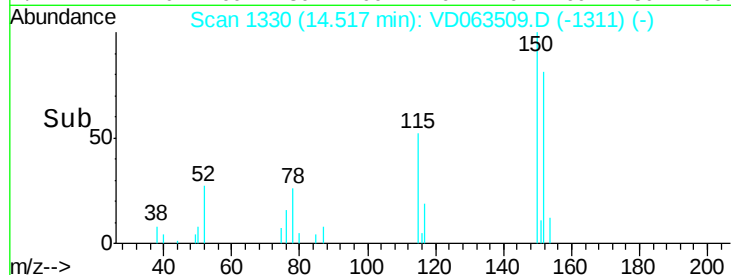
150 123.8 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.453 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

Tgt Ion: 43 Resp: 201

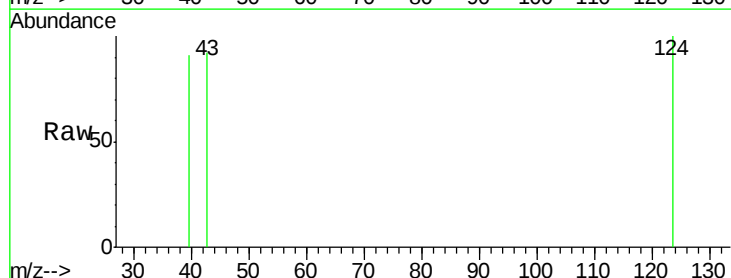
Ion Ratio Lower Upper

43 100

70 0.0 21.1 31.7#

55 0.0 15.4 23.0#

61 0.0 18.2 27.2#

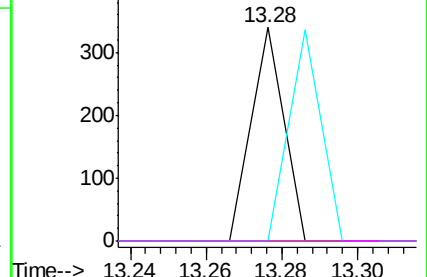
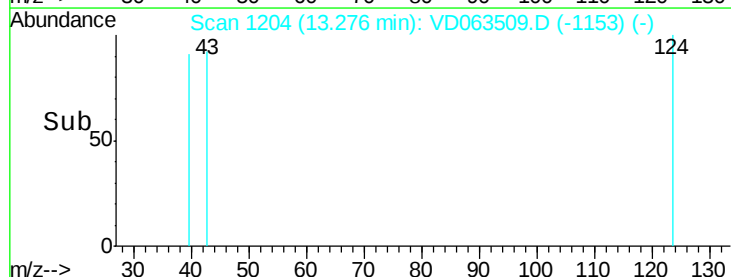


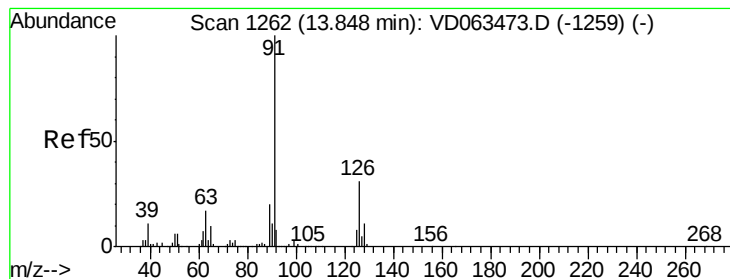
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#79

2-Chlorotoluene

Concen: 1.552 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.07 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

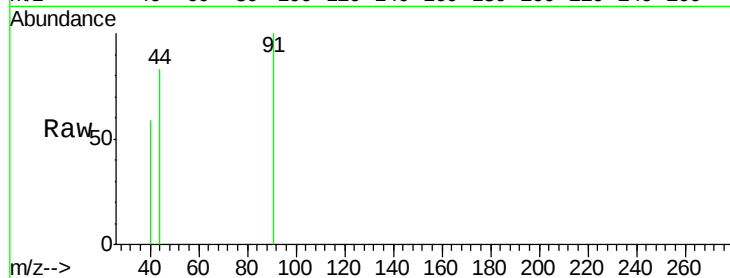
SP-8RE

Tot Ion: 91 Resp: 577

Ion Ratio Lower Upper

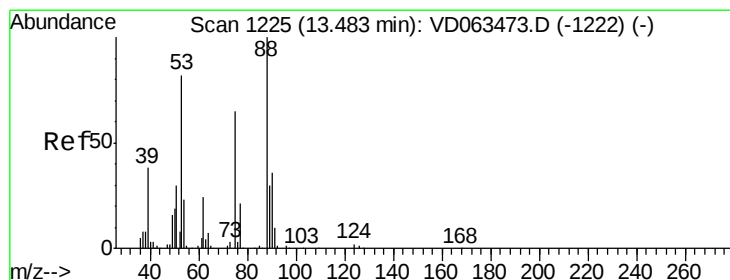
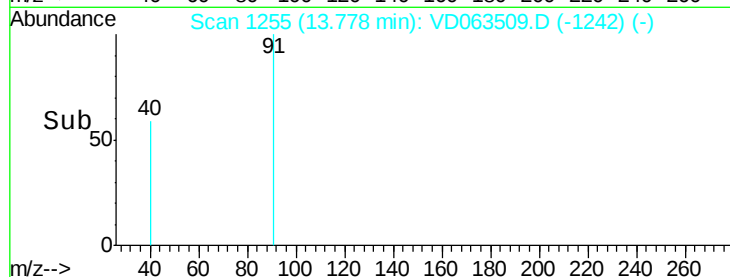
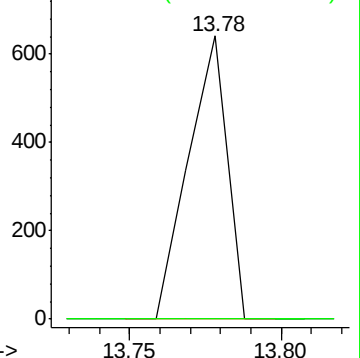
91 100

126 0.0 15.6 46.7#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 124.138 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

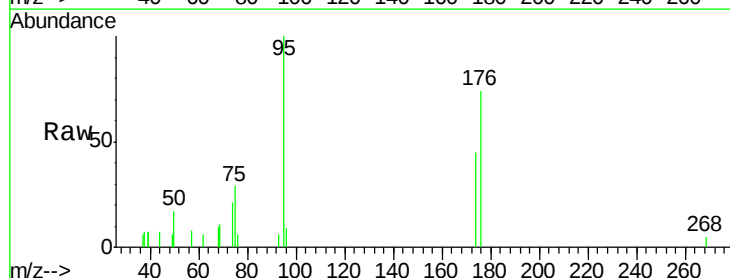
Tgt Ion: 75 Resp: 3318

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

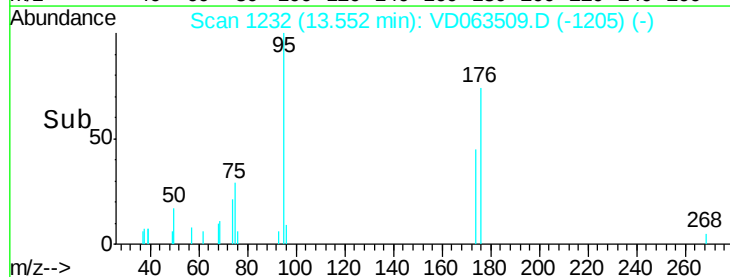
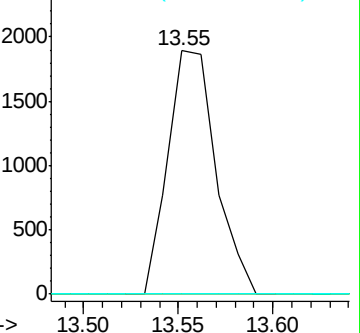
89 0.0 37.0 55.6#

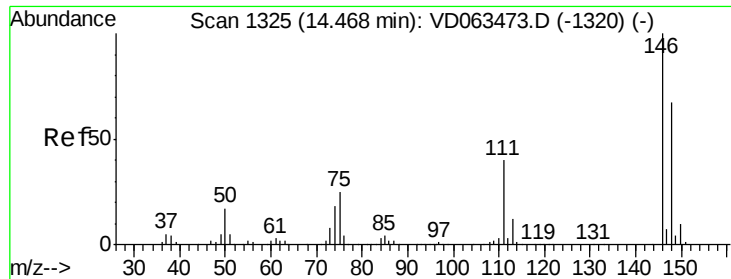


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

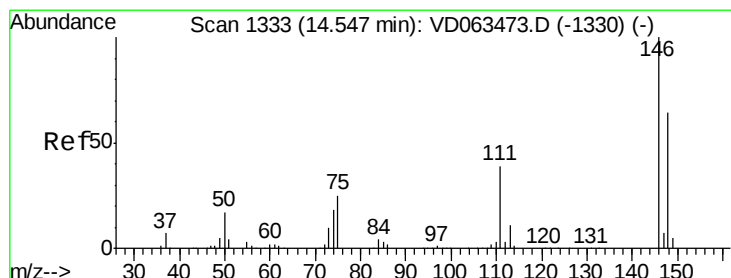
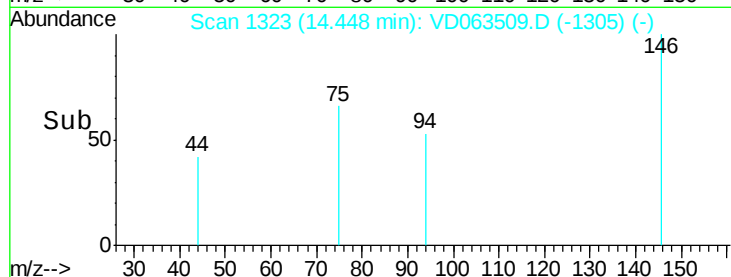
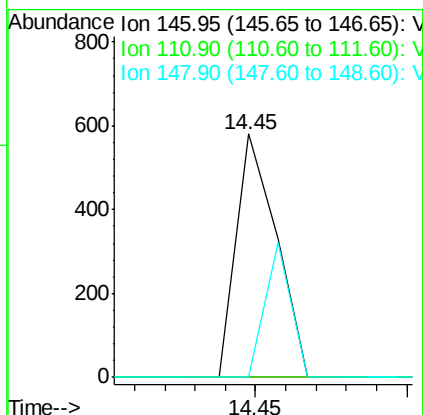
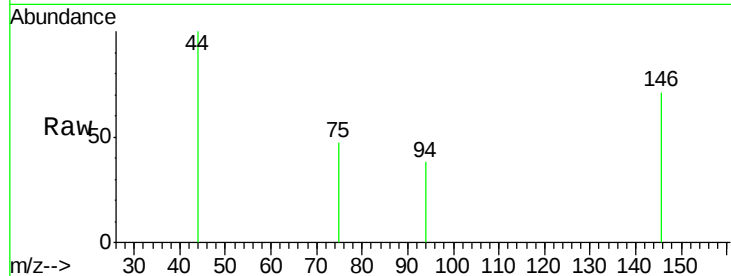




#87
 1,3-Dichlorobenzene
 Concen: 1.975 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD063509.D
 Acq: 13 Aug 2019 2:52

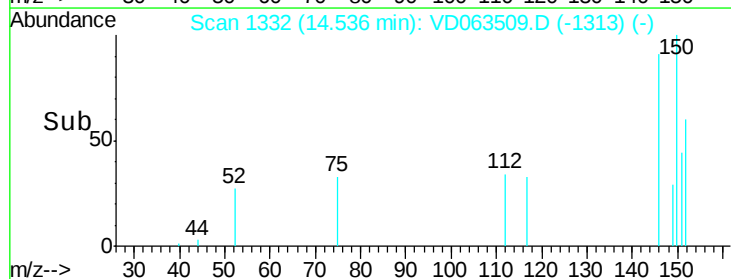
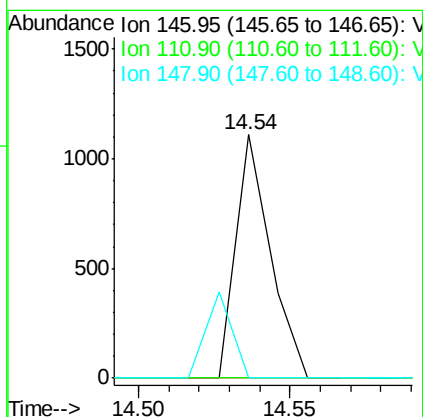
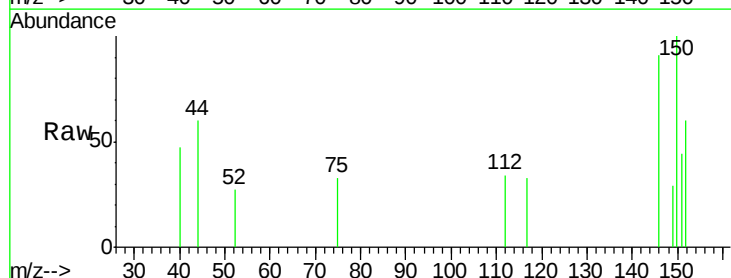
Instrument :
 MSVOA_D
 ClientSampled :
 SP-8RE

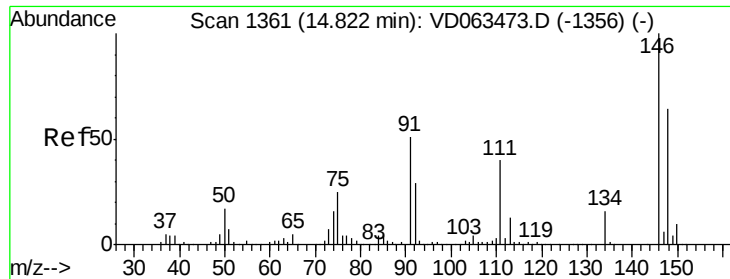
Tot Ion:146 Resp: 538
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.0 60.0#
 148 0.0 33.6 100.6#



#88
 1,4-Dichlorobenzene
 Concen: 3.389 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063509.D
 Acq: 13 Aug 2019 2:52

Tgt Ion:146 Resp: 886
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.7 59.0#
 148 0.0 32.1 96.3#





#91

1,2-Dichlorobenzene

Concen: 1.575 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. -0.01 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

SP-8RE

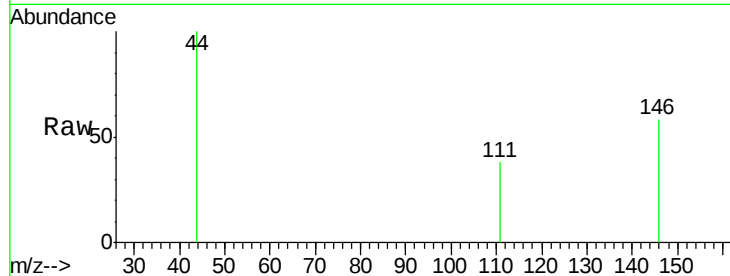
Tot Ion:146 Resp: 364

Ion Ratio Lower Upper

146 100

111 65.1 20.2 60.6#

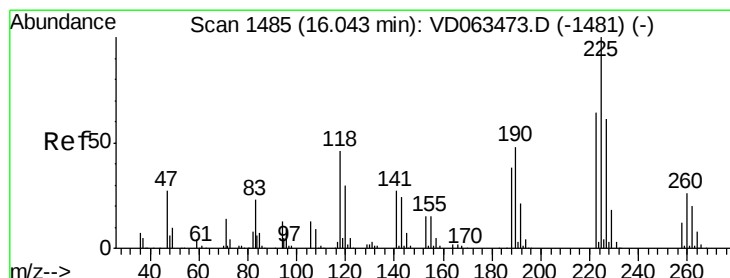
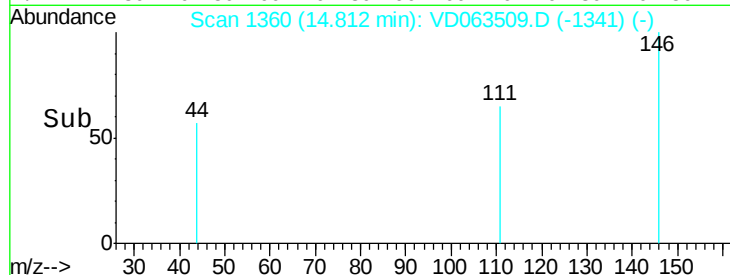
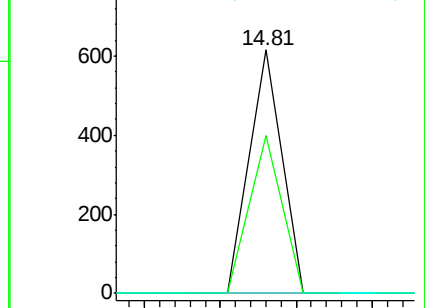
148 0.0 32.1 96.5#



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



#94

Hexachlorobutadiene

Concen: 1.373 ug/l

RT: 16.04 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

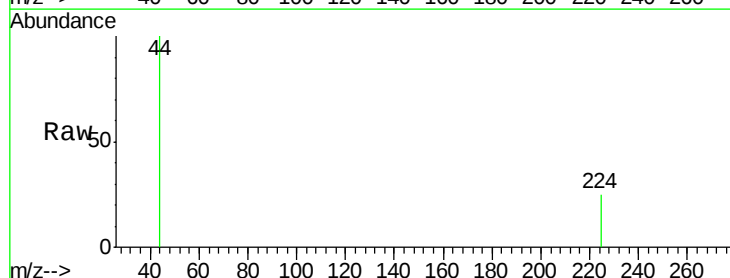
Tgt Ion:225 Resp: 178

Ion Ratio Lower Upper

225 100

223 0.0 31.9 95.5#

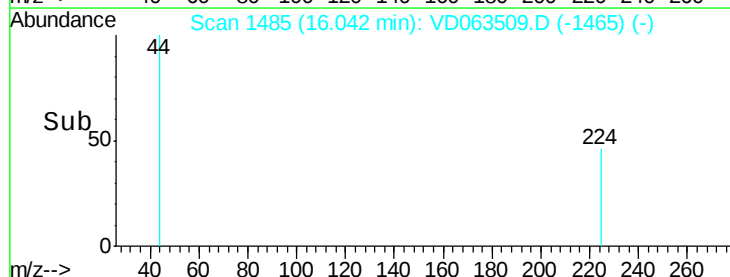
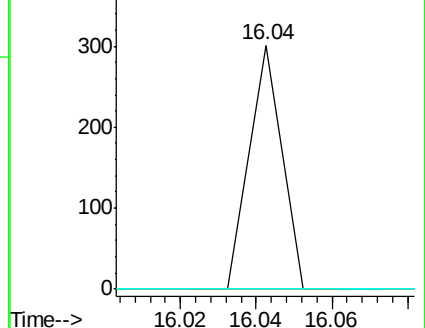
227 0.0 30.7 92.1#

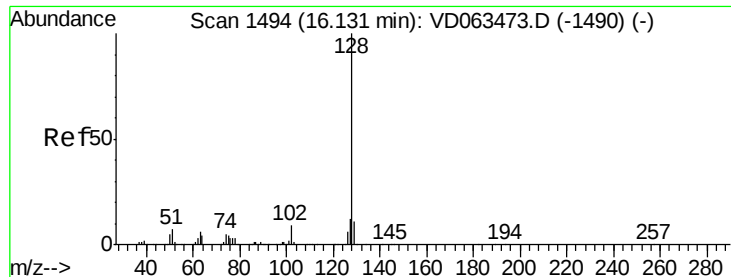


Abundance Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 5.466 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VD063509.D

Acq: 13 Aug 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

SP-8RE

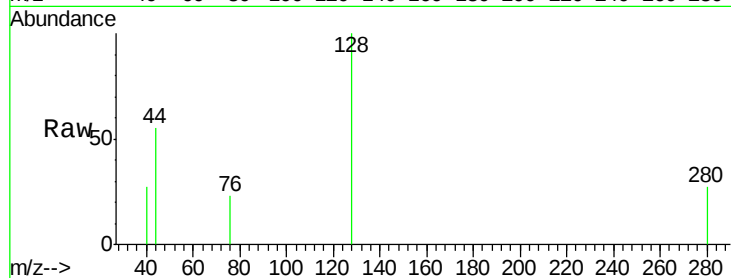
Tot Ion:128 Resp: 1409

Ion Ratio Lower Upper

128 100

127 0.0 9.4 14.0#

129 0.0 8.5 12.7#



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

