

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063499.D
 Acq On : 12 Aug 2019 20:32
 Operator : JC/SY
 Sample : K4245-02RE
 Misc : 6.10a/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-25RE

Quant Time: Aug 13 07:48:19 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	6245	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	12524	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	11481	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	4532	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	11751	176.03	ug/l	-0.01
Spiked Amount			Recovery	=	352.06%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount			Recovery	=	0.00%	
50) Toluene-d8	10.41	98	8551	36.87	ug/l	-0.01
Spiked Amount			Recovery	=	73.74%	
62) 4-Bromofluorobenzene	13.56	95	4162	39.60	ug/l	0.00
Spiked Amount			Recovery	=	79.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.75	50	759	12.858	ug/l #	41
5) Bromomethane	2.18	94	1250	45.207	ug/l #	52
6) Chloroethane	2.29	64	222	8.284	ug/l #	14
8) Diethyl Ether	2.86	74	180	11.091	ug/l #	40
10) Methyl Iodide	3.21	142	226	2.353	ug/l #	29
12) 1,1-Dichloroethene	3.02	96	284	5.628	ug/l #	1
13) Acrolein	3.04	56	443	154.875	ug/l #	18
14) Allyl chloride	3.57	41	178	2.346	ug/l #	8
16) Acetone	3.22	43	6407	472.151	ug/l #	73
18) Methyl Acetate	3.67	43	220	8.559	ug/l #	57
20) Methylene Chloride	3.83	84	1145	19.513	ug/l #	64
22) Diisopropyl ether	4.99	45	210	1.342	ug/l #	33
23) Vinyl Acetate	5.04	43	261	2.868	ug/l #	82
24) 1,1-Dichloroethane	5.03	63	193	1.988	ug/l #	88
25) 2-Butanone	6.17	43	484	36.114	ug/l #	58
27) cis-1,2-Dichloroethene	6.11	96	233	4.010	ug/l	1
29) Tetrahydrofuran	6.48	42	716	114.652	ug/l #	55
37) Ethyl Acetate	6.17	43	484	10.433	ug/l #	73
38) Carbon Tetrachloride	7.03	117	229	1.372	ug/l #	13
41) Methacrylonitrile	6.47	41	552	9.450	ug/l #	37
43) Isopropyl Acetate	9.28	43	250	4.023	ug/l #	48
49) 1,4-Dioxane	8.77	88	187	509.401	ug/l #	34
51) 4-Methyl-2-Pentanone	10.36	43	434	10.208	ug/l #	40
52) Toluene	10.50	92	178	1.134	ug/l #	65
56) Ethyl methacrylate	11.13	69	347	6.031	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.83	63	248	8.164	ug/l #	49
59) 2-Hexanone	11.54	43	201	6.497	ug/l #	30
67) Ethyl Benzene	12.53	91	456	1.219	ug/l #	46
68) m/p-Xylenes	12.68	106	194	1.476	ug/l #	34
74) N-amyl acetate	13.47	43	245	3.386	ug/l #	53
79) 2-Chlorotoluene	13.96	91	725	3.728	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	1946	139.203	ug/l #	1
82) 4-Chlorotoluene	13.96	91	725	3.100	ug/l #	44
87) 1,3-Dichlorobenzene	14.46	146	336	2.358	ug/l #	23

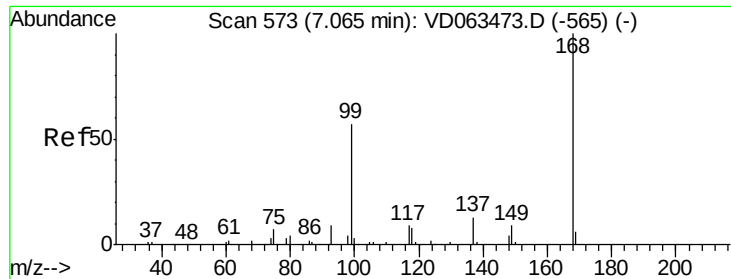
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
Data File : VD063499.D
Acq On : 12 Aug 2019 20:32
Operator : JC/SY
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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	14.54	146	315	2.304	ug/l #	23
91) 1,2-Dichlorobenzene	14.83	146	237	1.960	ug/l #	25
92) 1,2-Dibromo-3-Chloropropan	15.37	75	178	19.758	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	515	5.789	ug/l #	10
95) Naphthalene	16.12	128	316	2.344	ug/l #	4

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

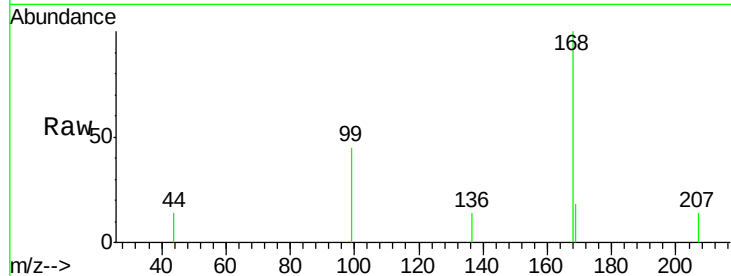
VOC-25RE

Tot Ion:168 Resp: 6245

Ion Ratio Lower Upper

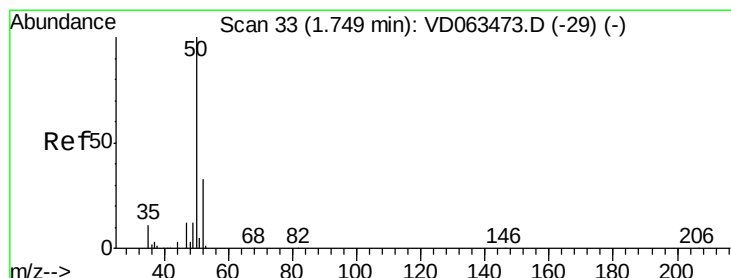
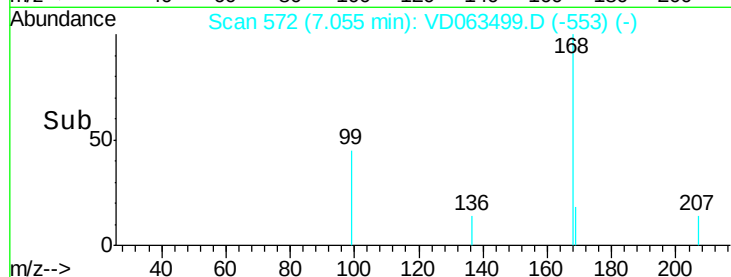
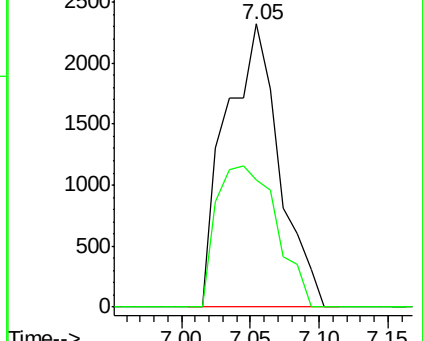
168 100

99 44.8 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: 12.858 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD063499.D

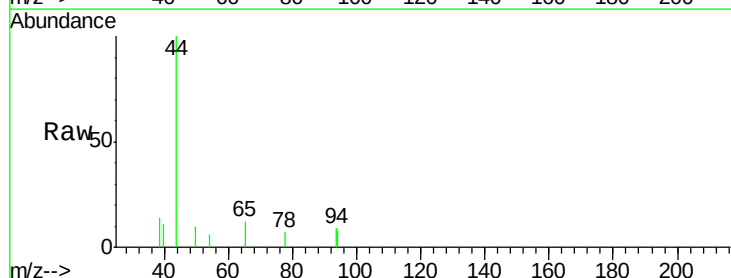
Acq: 12 Aug 2019 20:32

Tgt Ion: 50 Resp: 759

Ion Ratio Lower Upper

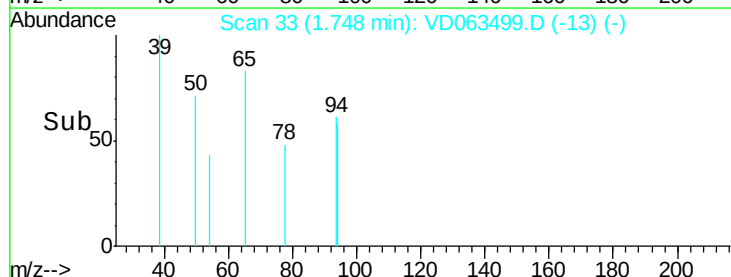
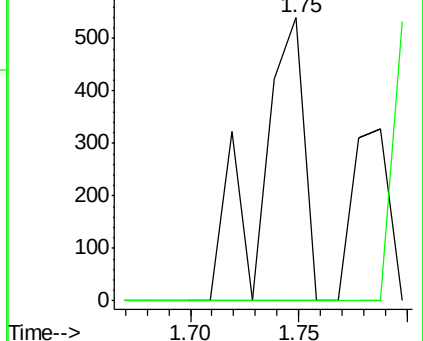
50 100

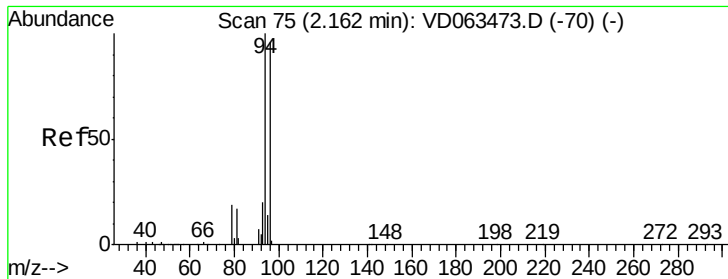
52 0.0 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 45.207 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.02 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

VOC-25RE

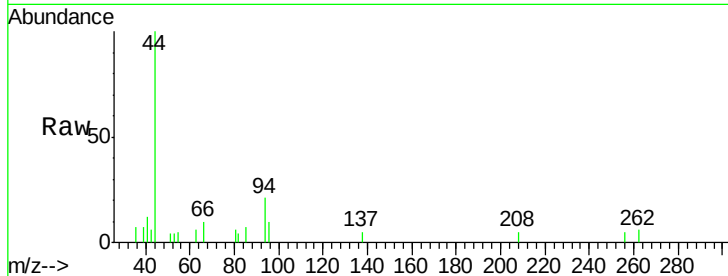
Tot Ion: 94 Resp: 1250

Ion Ratio Lower Upper

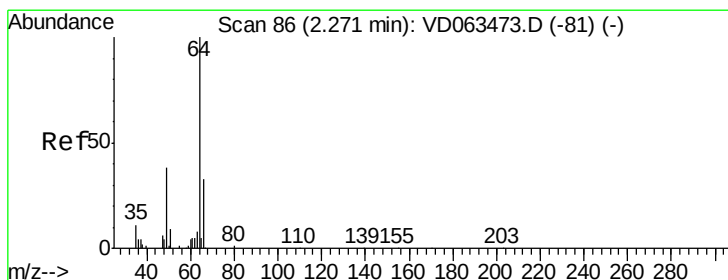
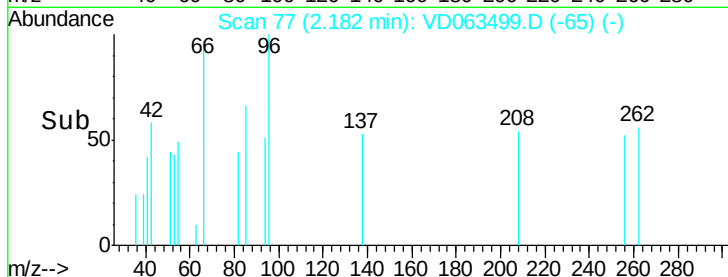
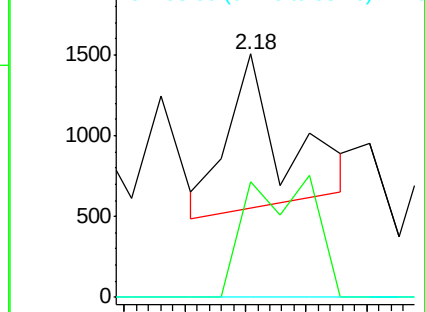
94 100

96 47.7 76.5 114.7#

93 0.0 15.8 23.8#



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: 8.284 ug/l

RT: 2.29 min Scan# 88

Delta R.T. 0.02 min

Lab File: VD063499.D

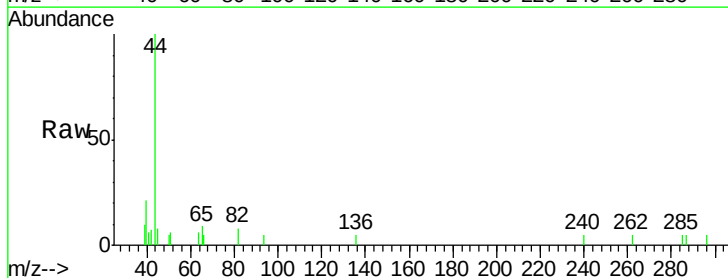
Acq: 12 Aug 2019 20:32

Tgt Ion: 64 Resp: 222

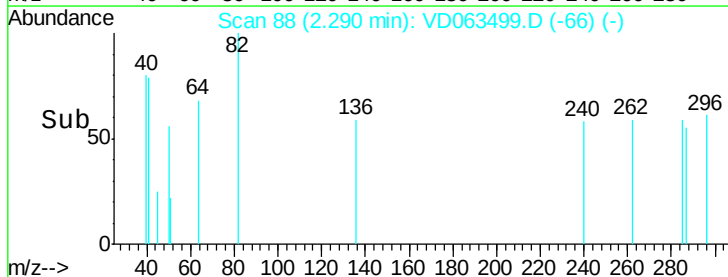
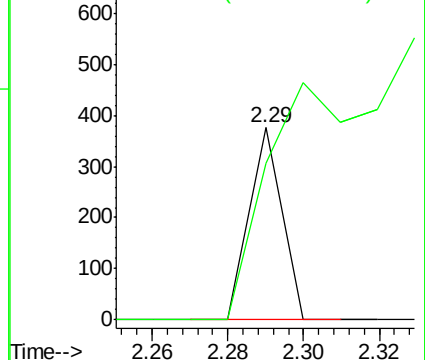
Ion Ratio Lower Upper

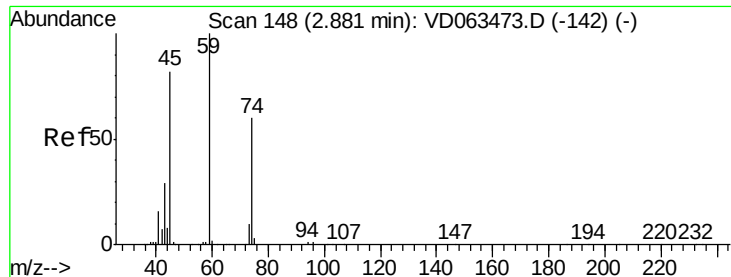
64 100

66 81.4 26.3 39.5#



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





#8

Diethyl Ether

Concen: 11.091 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

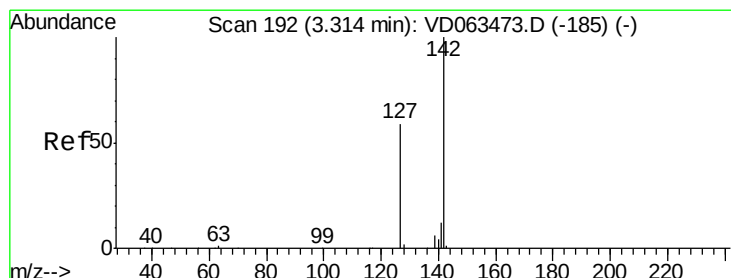
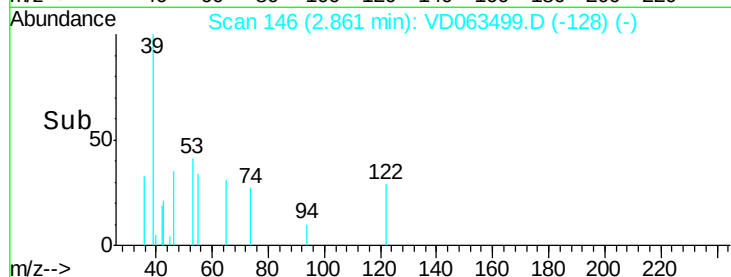
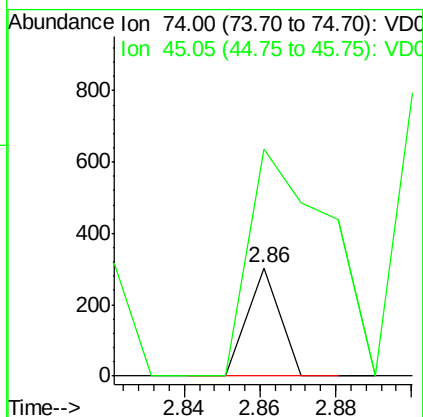
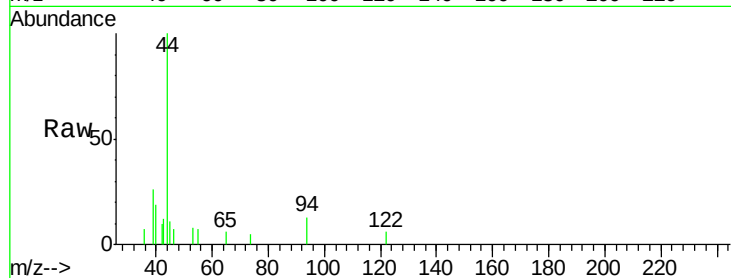
VOC-25RE

Tot Ion: 74 Resp: 180

Ion Ratio Lower Upper

74 100

45 209.2 68.5 205.5#



#10

Methyl Iodide

Concen: 2.353 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.11 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

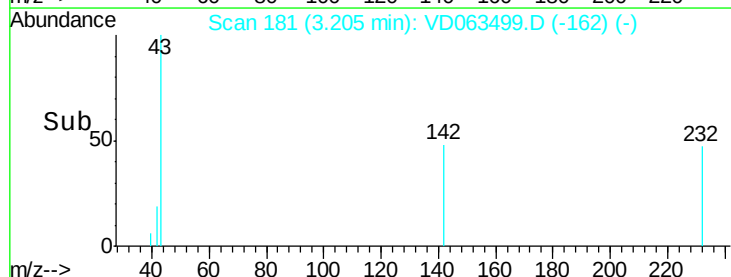
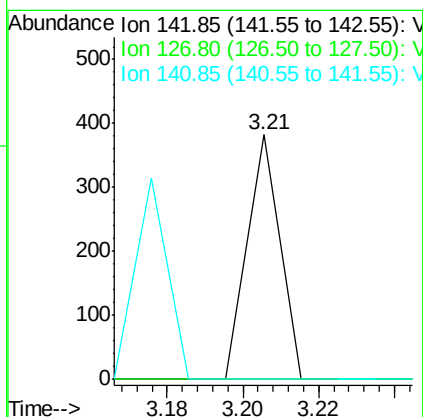
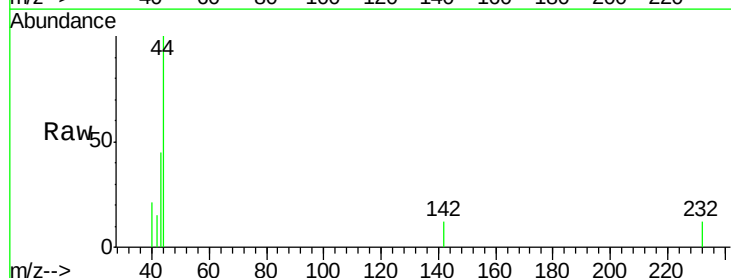
Tgt Ion: 142 Resp: 226

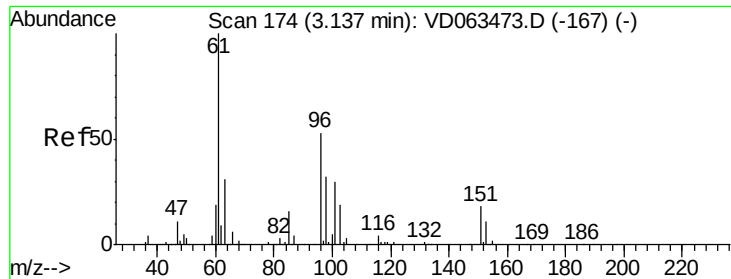
Ion Ratio Lower Upper

142 100

127 0.0 47.2 70.8#

141 0.0 9.8 14.8#





#12

1,1-Dichloroethene

Concen: 5.628 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.12 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

VOC-25RE

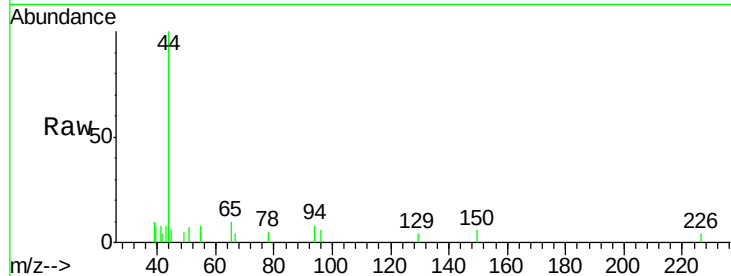
Tot Ion: 96 Resp: 284

Ion Ratio Lower Upper

96 100

61 0.0 151.7 227.5#

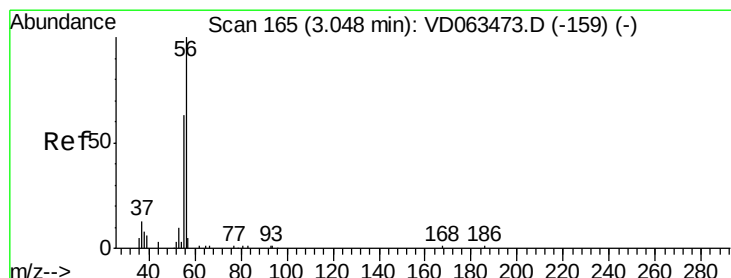
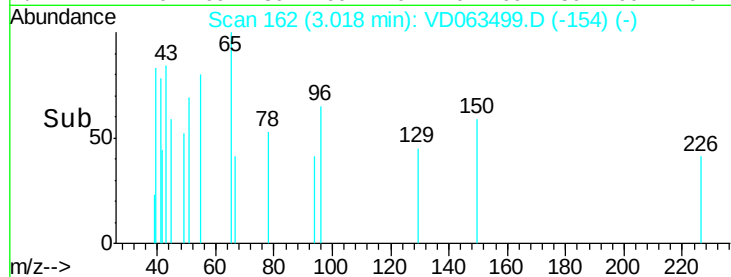
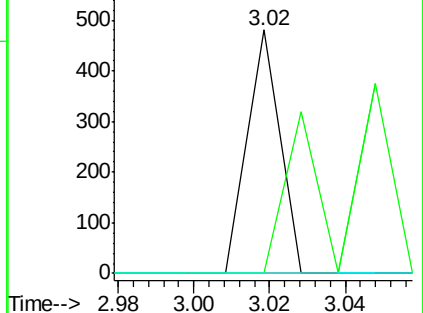
98 0.0 48.4 72.6#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#13

Acrolein

Concen: 154.875 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD063499.D

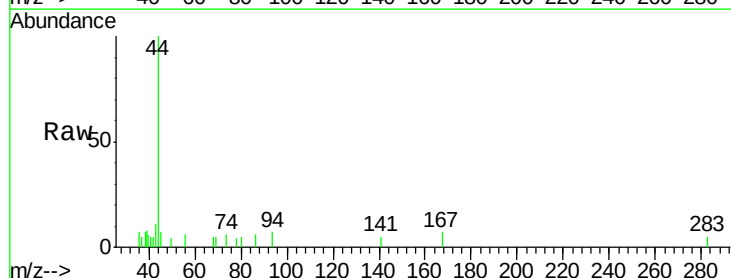
Acq: 12 Aug 2019 20:32

Tgt Ion: 56 Resp: 443

Ion Ratio Lower Upper

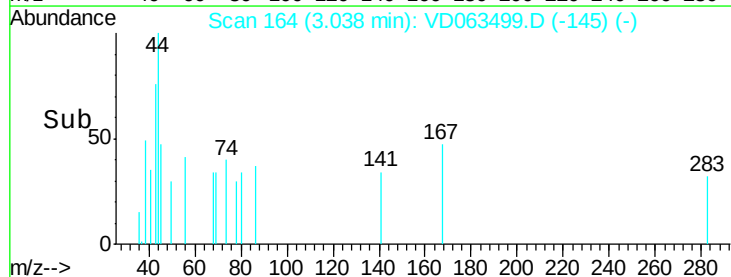
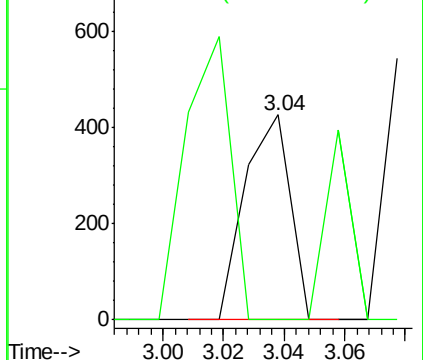
56 100

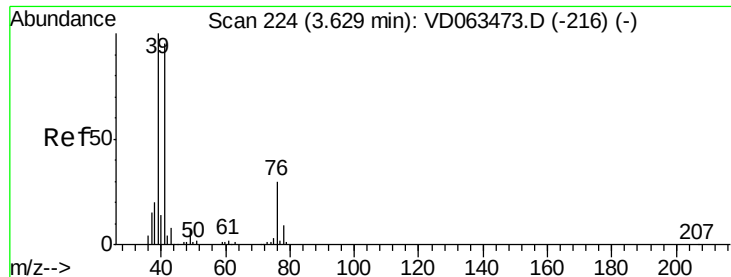
55 0.0 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

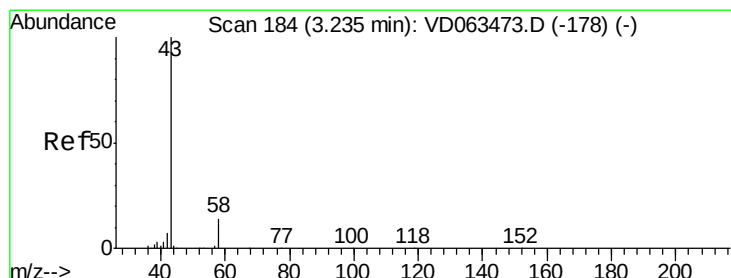
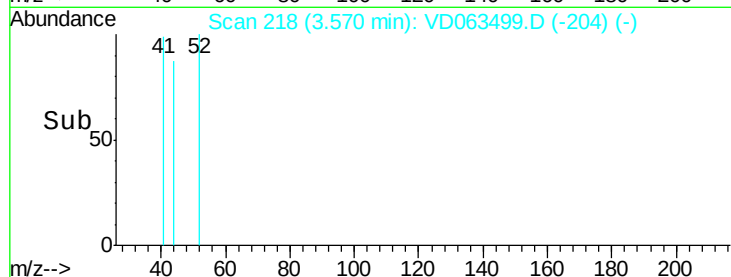
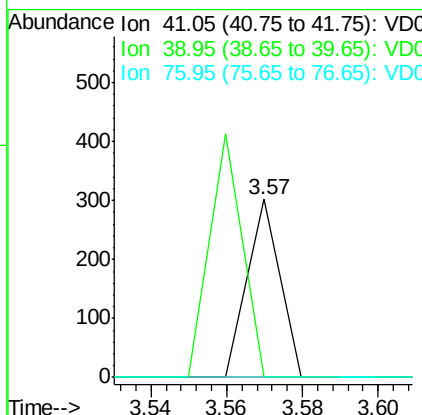
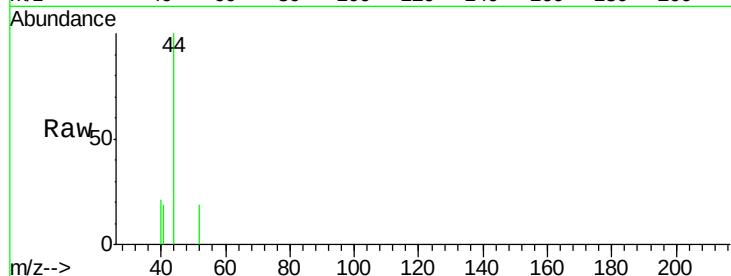




#14
Allvl chloride
Concen: 2.346 ug/l
RT: 3.57 min Scan# 218
Delta R.T. -0.06 min
Lab File: VD063499.D
Acq: 12 Aug 2019 20:32

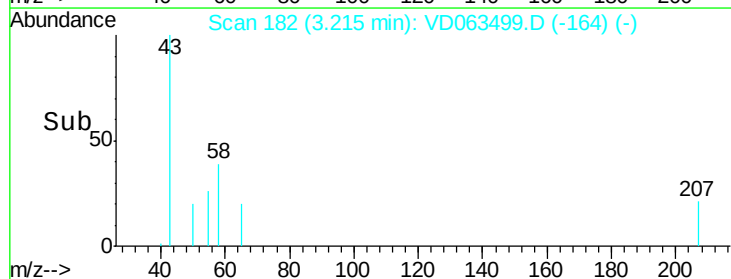
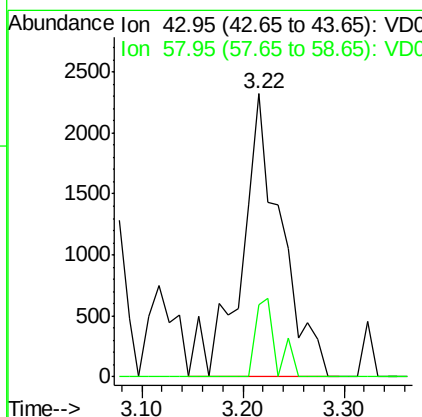
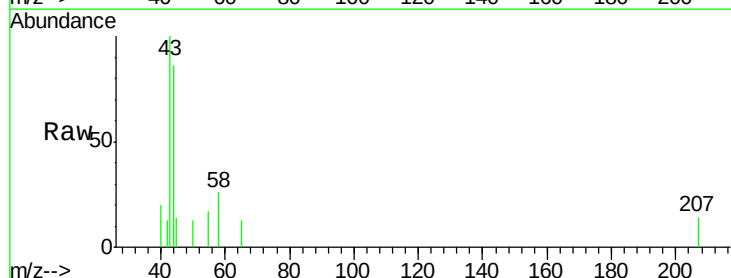
Instrument :
MSVOA_D
ClientSampled :
VOC-25RE

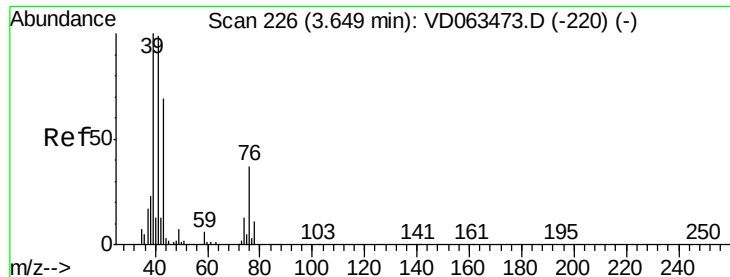
Tot Ion: 41 Resp: 178
Ion Ratio Lower Upper
41 100
39 0.0 84.2 126.4#
76 0.0 26.0 39.0#



#16
Acetone
Concen: 472.151 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.02 min
Lab File: VD063499.D
Acq: 12 Aug 2019 20:32

Tgt Ion: 43 Resp: 6407
Ion Ratio Lower Upper
43 100
58 25.5 11.4 17.2#

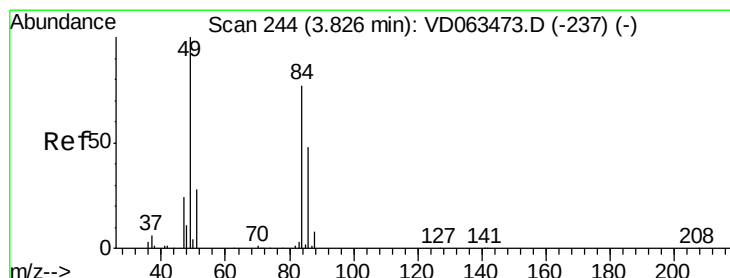
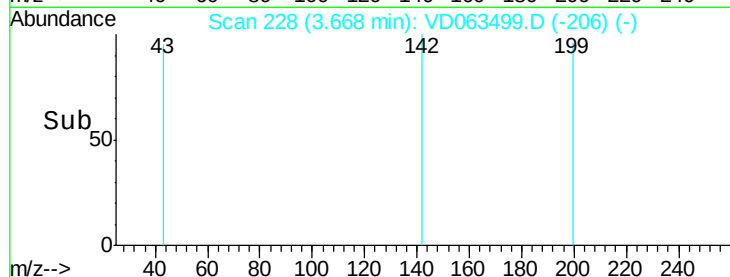
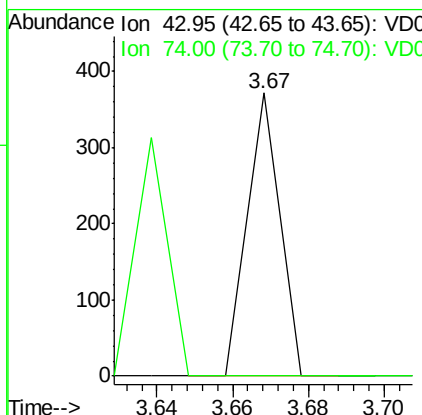
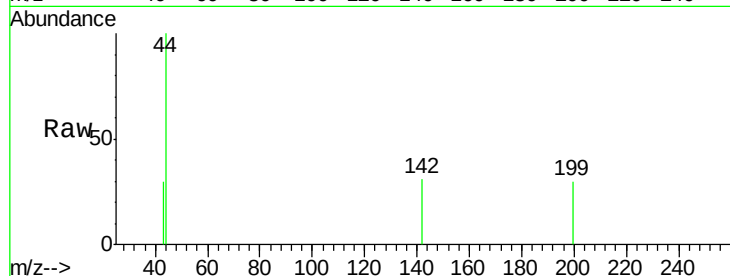




#18
Methyl Acetate
Concen: 8.559 ug/l
RT: 3.67 min Scan# 228
Delta R.T. 0.02 min
Lab File: VD063499.D
Acq: 12 Aug 2019 20:32

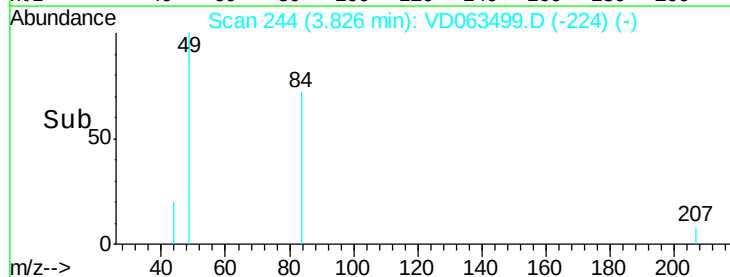
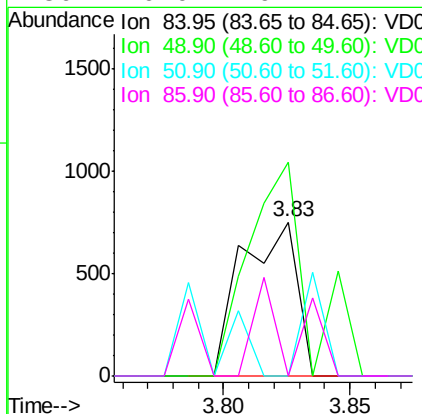
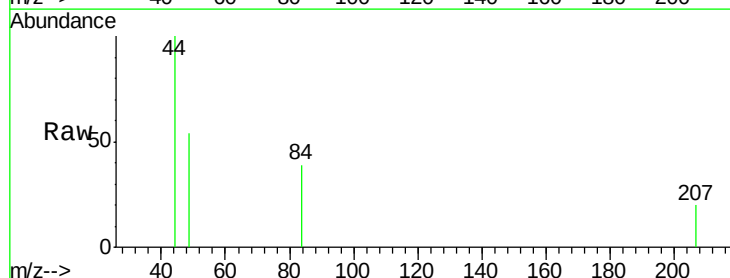
Instrument :
MSVOA_D
ClientSampleId :
VOC-25RE

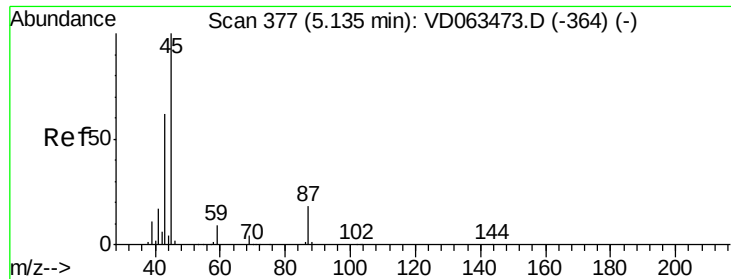
Tot Ion: 43 Resp: 220
Ion Ratio Lower Upper
43 100
74 0.0 15.4 23.2#



#20
Methylene Chloride
Concen: 19.513 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD063499.D
Acq: 12 Aug 2019 20:32

Tgt Ion: 84 Resp: 1145
Ion Ratio Lower Upper
84 100
49 138.4 103.4 155.2
51 0.0 28.5 42.7#
86 0.0 49.4 74.2#





#22

Diisopropyl ether

Concen: 1.342 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.15 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

VOC-25RE

Tot Ion: 45 Resp: 210

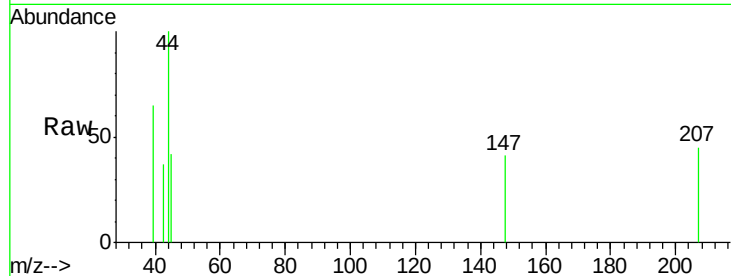
Ion Ratio Lower Upper

45 100

43 0.0 50.3 75.5#

87 0.0 14.3 21.5#

59 0.0 7.7 11.5#



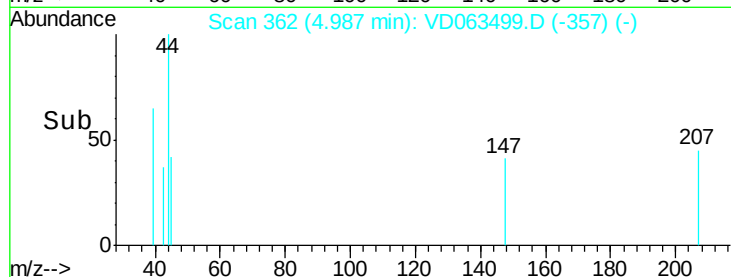
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

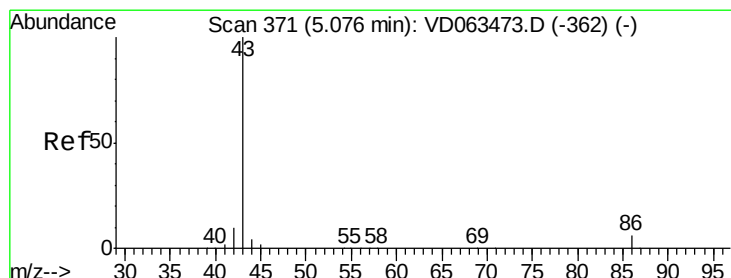
Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

Time-->



Time-->



#23

Vinyl Acetate

Concen: 2.868 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.04 min

Lab File: VD063499.D

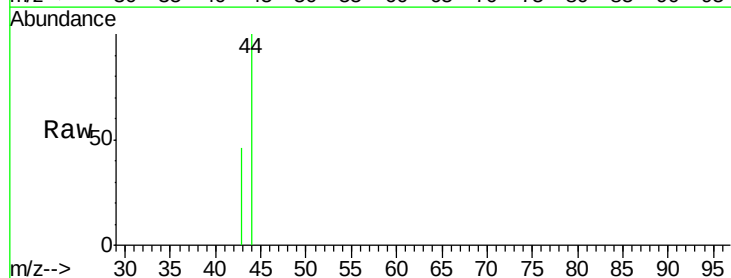
Acq: 12 Aug 2019 20:32

Tgt Ion: 43 Resp: 261

Ion Ratio Lower Upper

43 100

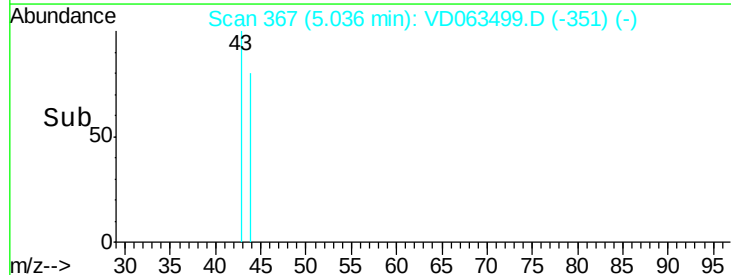
86 0.0 4.8 7.2#



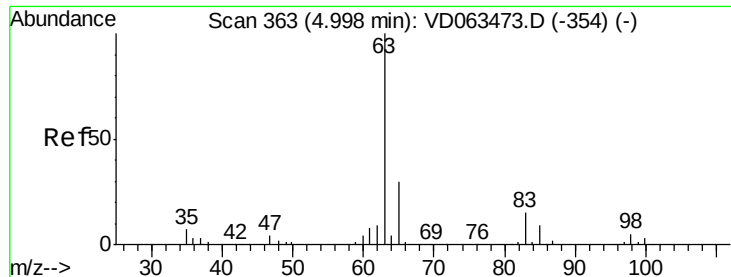
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 1.988 ug/l

RT: 5.03 min Scan# 366

Delta R.T. 0.03 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

VOC-25RE

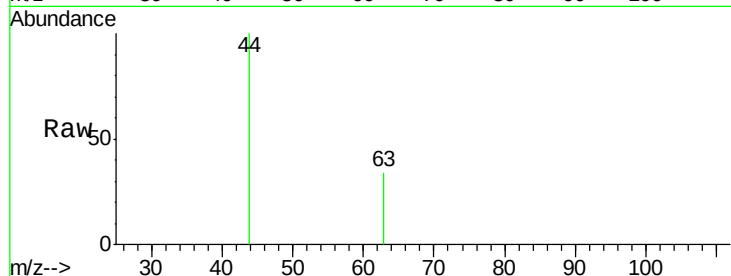
Tot Ion: 63 Resp: 193

Ion Ratio Lower Upper

63 100

98 0.0 2.4 7.2#

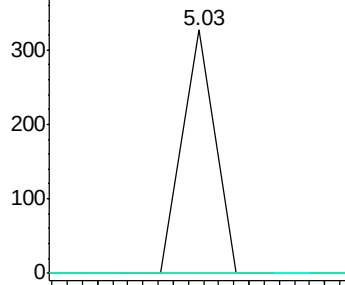
100 0.0 1.3 3.8#



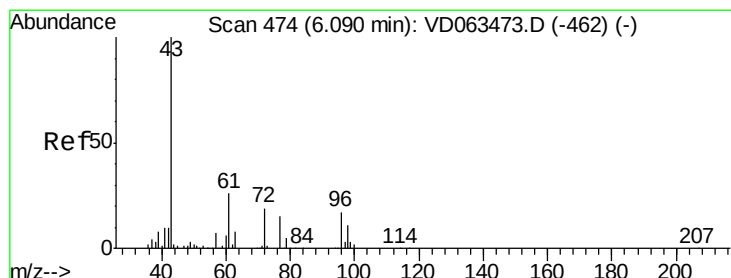
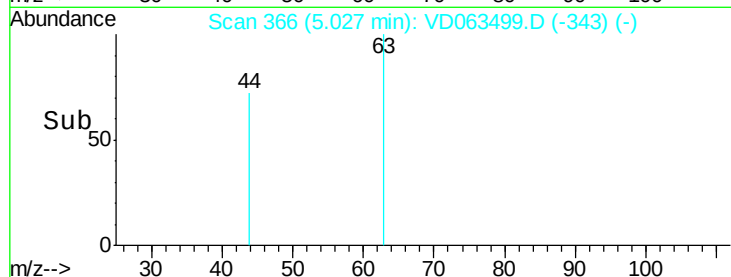
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



Time--> 5.00 5.02 5.04 5.06



#25

2-Butanone

Concen: 36.114 ug/l

RT: 6.17 min Scan# 482

Delta R.T. 0.08 min

Lab File: VD063499.D

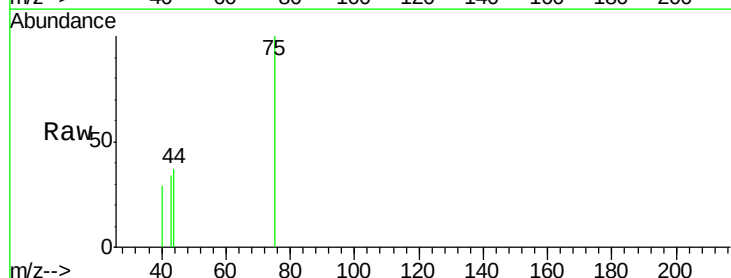
Acq: 12 Aug 2019 20:32

Tgt Ion: 43 Resp: 484

Ion Ratio Lower Upper

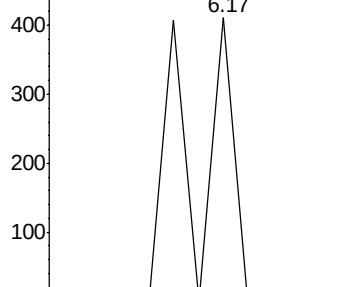
43 100

72 0.0 15.1 22.7#

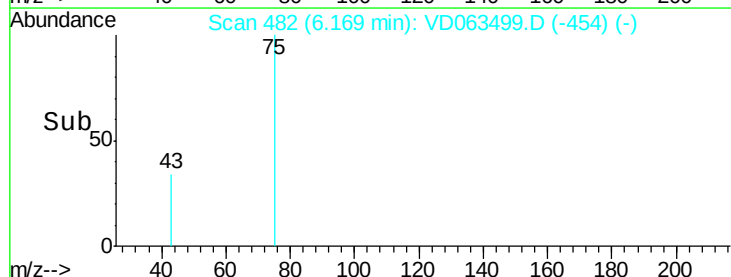


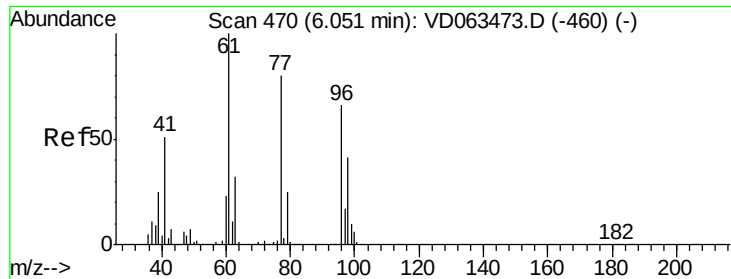
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time--> 6.10 6.15 6.20



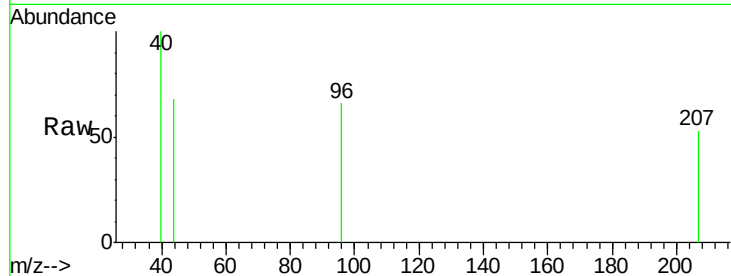


#27

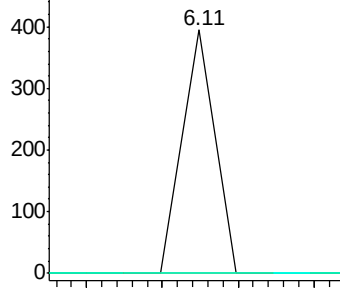
cis-1,2-Dichloroethene
 Concen: 4.010 ug/l
 RT: 6.11 min Scan# 476
 Delta R.T. 0.06 min
 Lab File: VD063499.D
 Acq: 12 Aug 2019 20:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-25RE

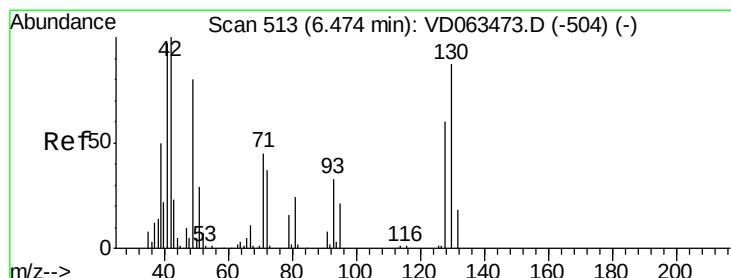
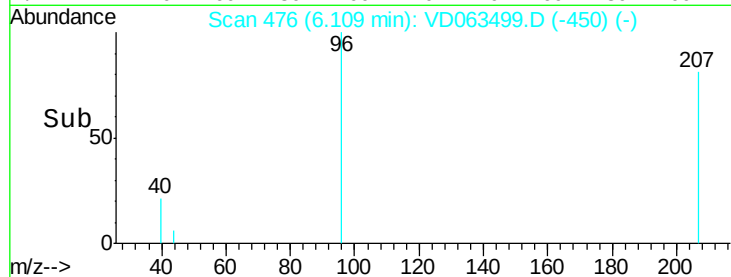
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	304.0
98	0.0	0.0	124.8



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



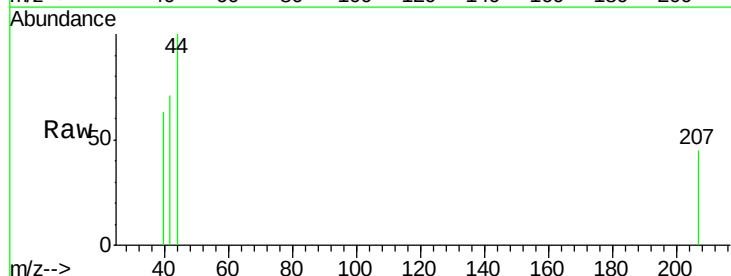
Time-->



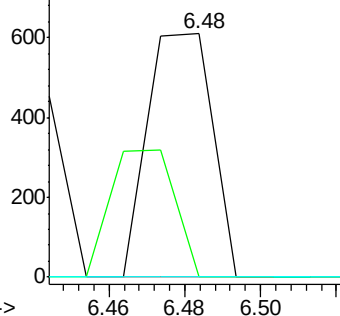
#29

Tetrahydrofuran
 Concen: 114.652 ug/l
 RT: 6.48 min Scan# 514
 Delta R.T. 0.01 min
 Lab File: VD063499.D
 Acq: 12 Aug 2019 20:32

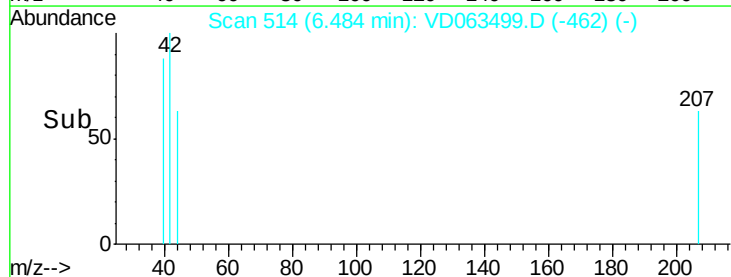
Tgt Ion	Ratio	Lower	Upper
42	100		
72	52.2	31.5	47.3#
71	0.0	33.8	50.8#

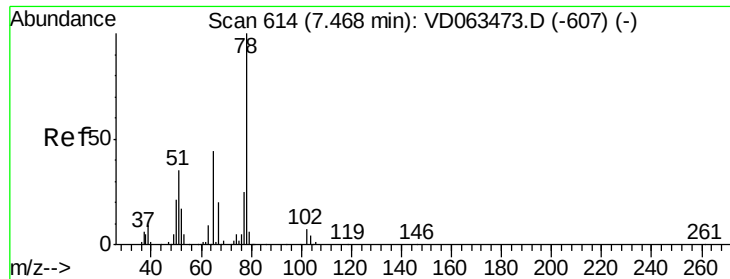


Abundance Ion 42.00 (41.70 to 42.70): VDC
 Ion 72.00 (71.70 to 72.70): VDC
 Ion 71.00 (70.70 to 71.70): VDC



Time-->

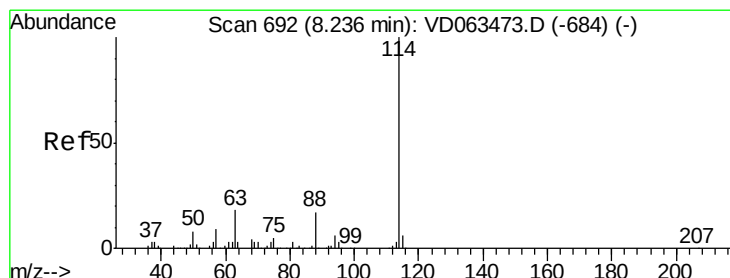
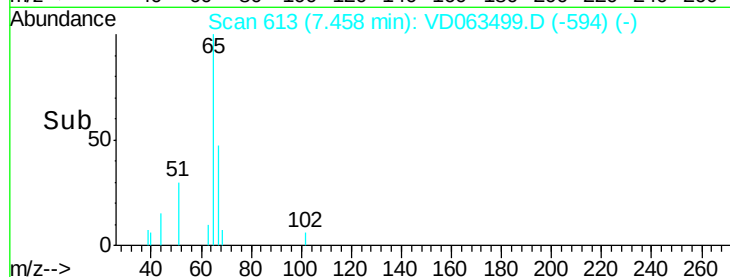
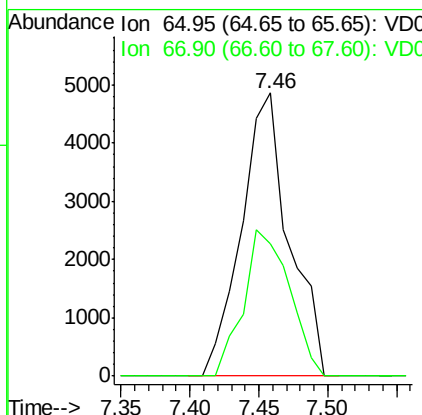
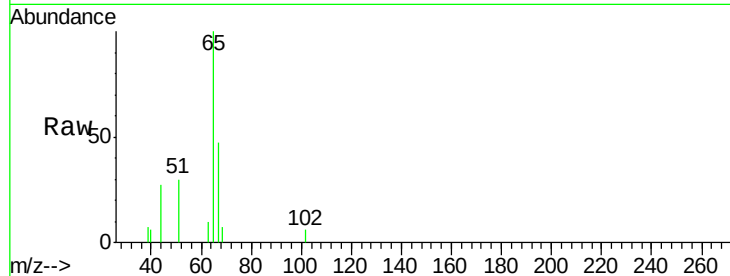




#33
 1,2-Dichloroethane-d4
 Concen: 176.034 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD063499.D
 Acq: 12 Aug 2019 20:32

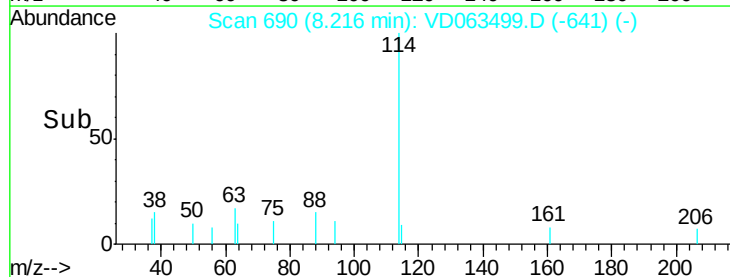
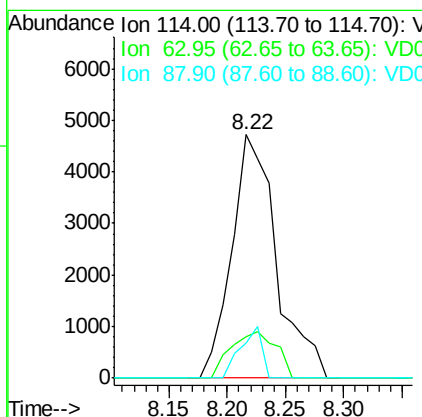
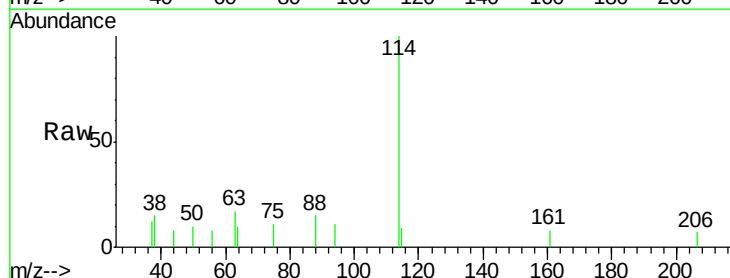
Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-25RE

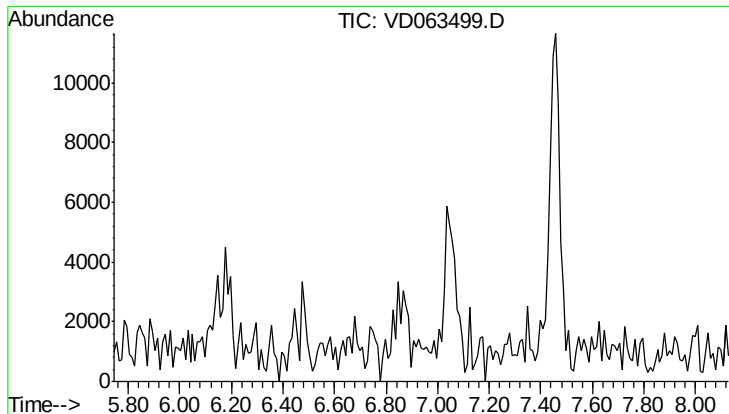
Tot Ion: 65 Resp: 11751
 Ion Ratio Lower Upper
 65 100
 67 46.9 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: VD063499.D
 Acq: 12 Aug 2019 20:32

Tgt Ion: 114 Resp: 12524
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 36.2
 88 14.5 0.0 35.0





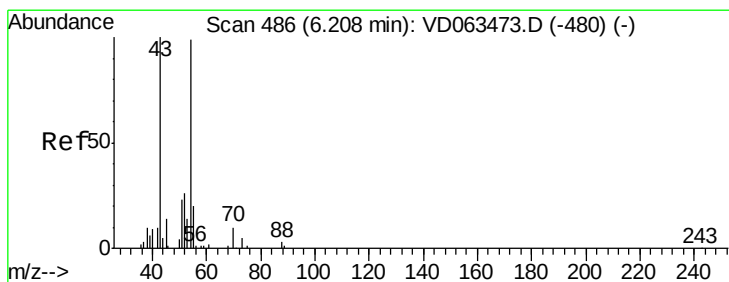
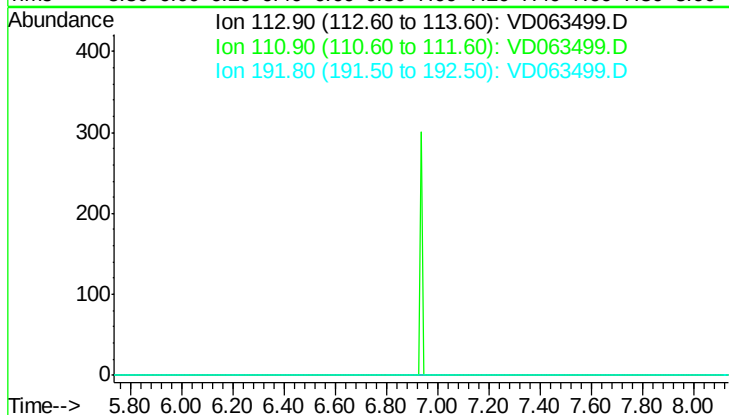
#35

Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 6.94 min

Lab File: VD063499.D
Acq: 12 Aug 2019 20:32

Instrument :
MSVOA_D
ClientSampleId :
VOC-25RE

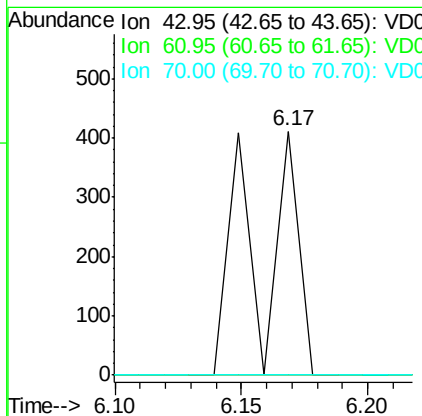
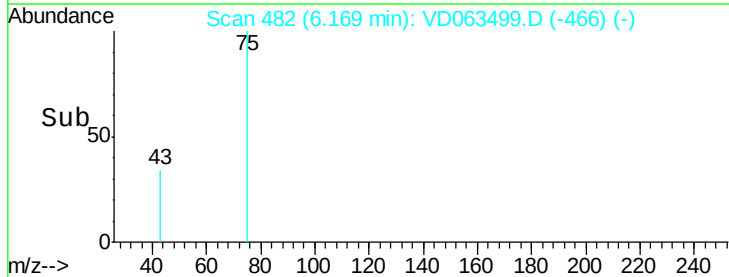
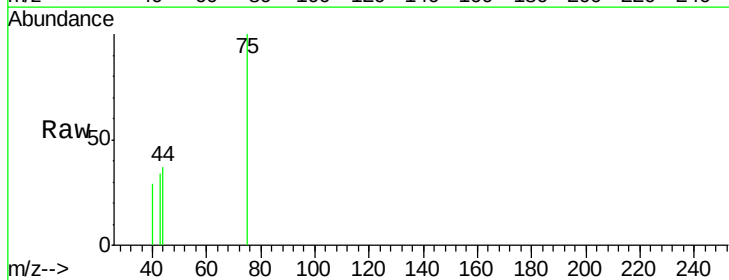
Tot Ion: 113
Sig Exp Ratio
113 100
111 103.9
192 16.4

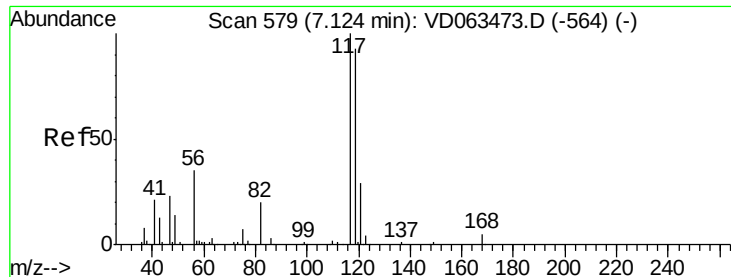


#37

Ethyl Acetate
Concen: 10.433 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.04 min
Lab File: VD063499.D
Acq: 12 Aug 2019 20:32

Tgt Ion: 43 Resp: 484
Ion Ratio Lower Upper
43 100
61 0.0 9.0 13.6#
70 0.0 6.9 10.3#





#38

Carbon Tetrachloride

Concen: 1.372 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

VOC-25RE

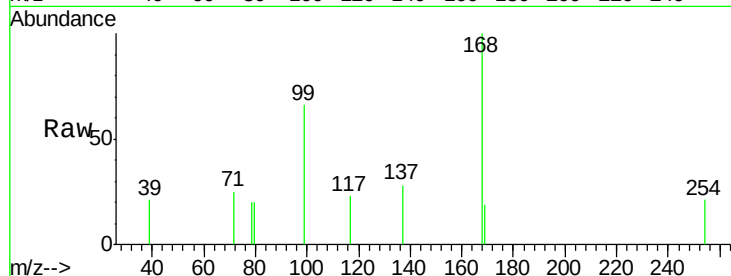
Tot Ion:117 Resp: 229

Ion Ratio Lower Upper

117 100

119 0.0 74.2 111.2#

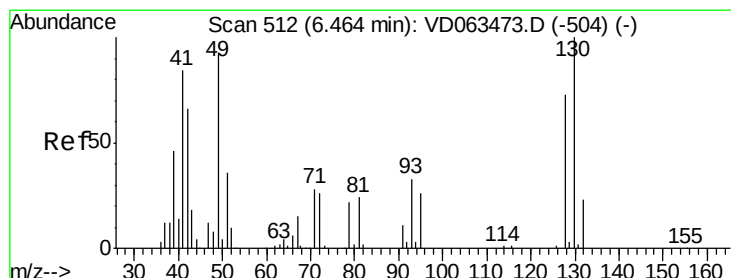
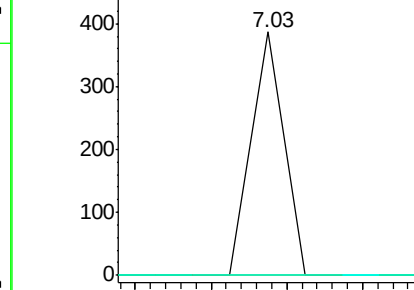
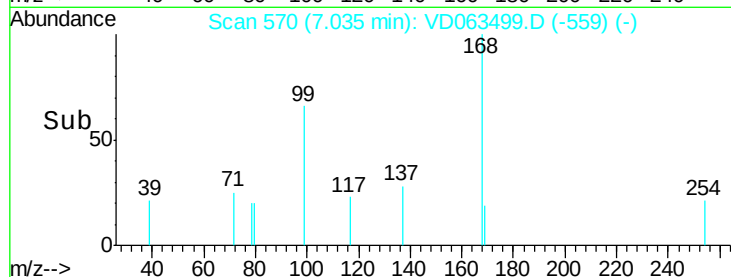
121 0.0 23.1 34.7#



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: 9.450 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

Tgt Ion: 41 Resp: 552

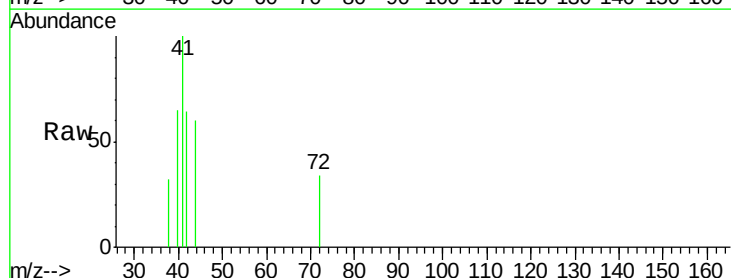
Ion Ratio Lower Upper

41 100

39 0.0 44.6 66.8#

67 0.0 14.4 21.6#

52 0.0 9.3 13.9#

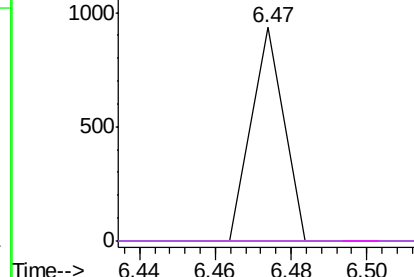
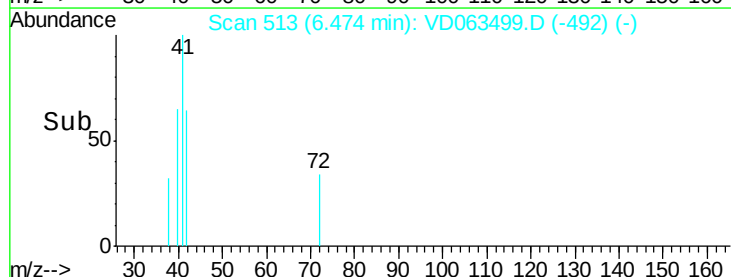


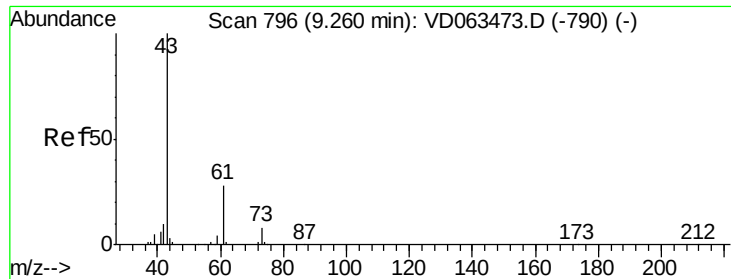
Abundance Ion 40.95 (40.65 to 41.65): V

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: 4.023 ug/l

RT: 9.28 min Scan# 798

Delta R.T. 0.02 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

Instrument :

MSVOA_D

ClientSampled :

VOC-25RE

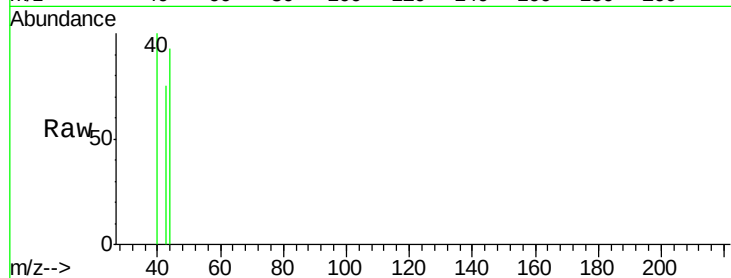
Tot Ion: 43 Resp: 250

Ion Ratio Lower Upper

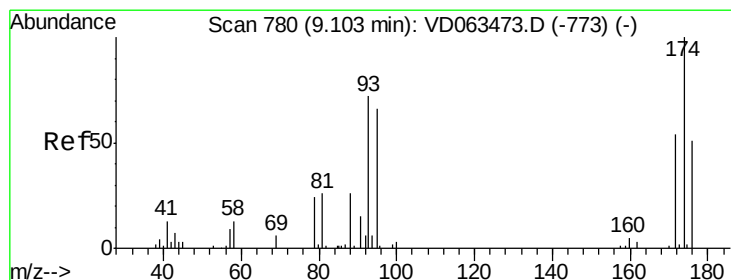
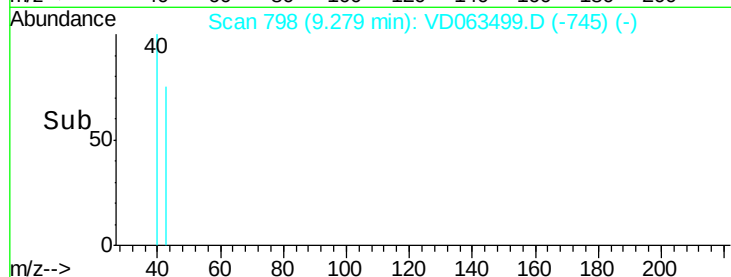
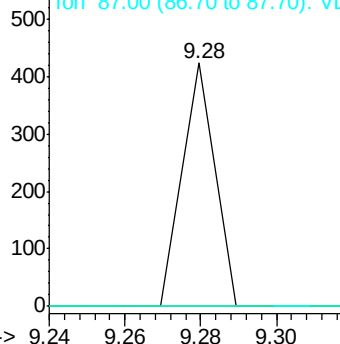
43 100

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



#49

1,4-Dioxane

Concen: 509.401 ug/l

RT: 8.77 min Scan# 746

Delta R.T. -0.33 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

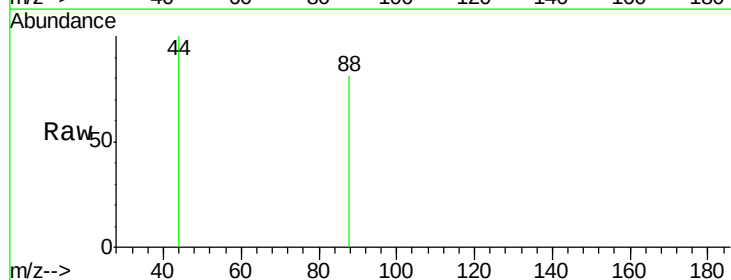
Tgt Ion: 88 Resp: 187

Ion Ratio Lower Upper

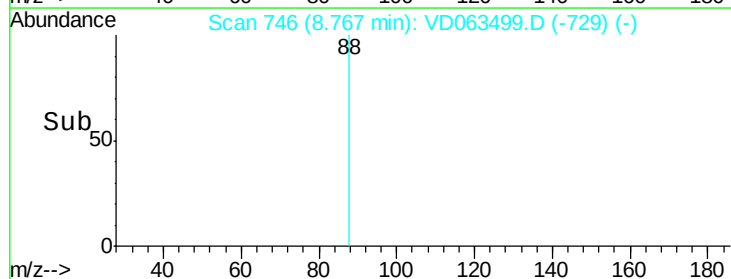
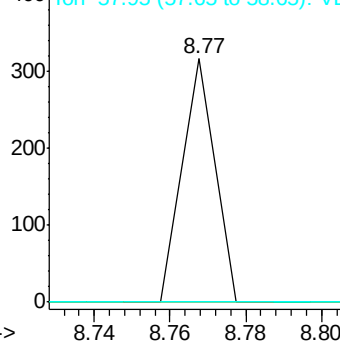
88 100

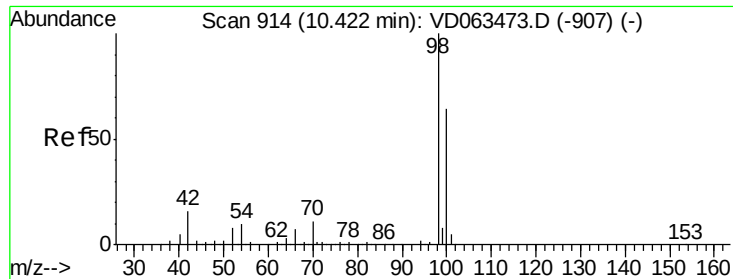
43 0.0 22.9 34.3#

58 0.0 40.1 60.1#



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

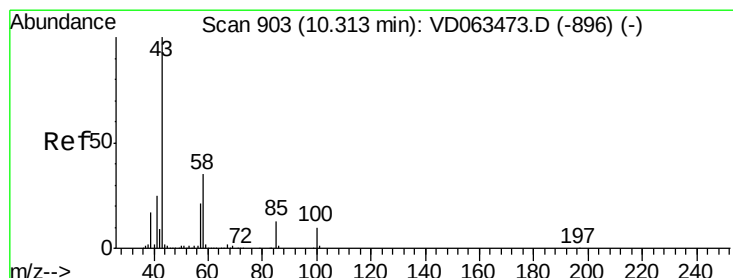
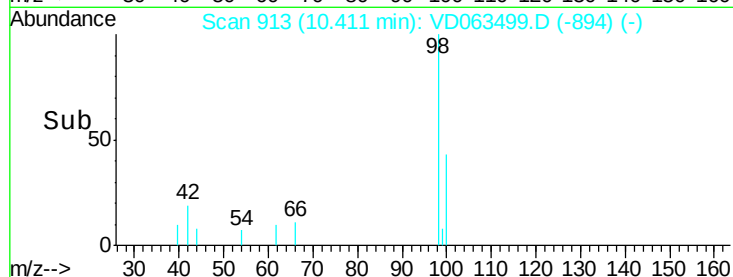
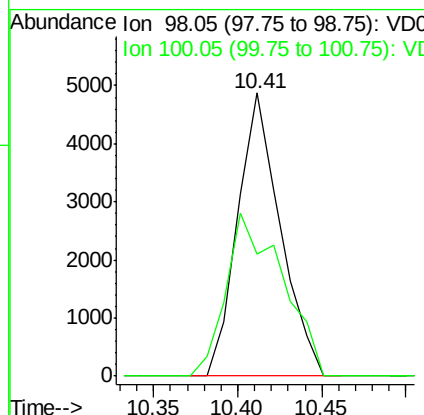
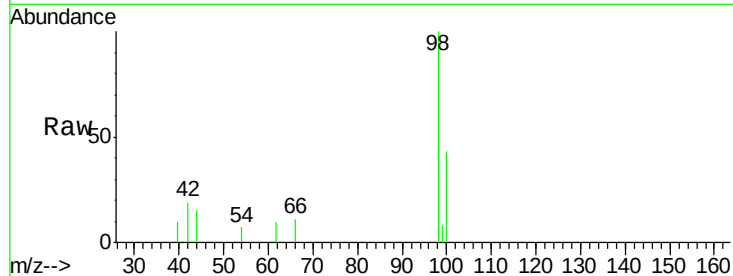




#50
Toluene-d8
Concen: 36.874 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063499.D
Acq: 12 Aug 2019 20:32

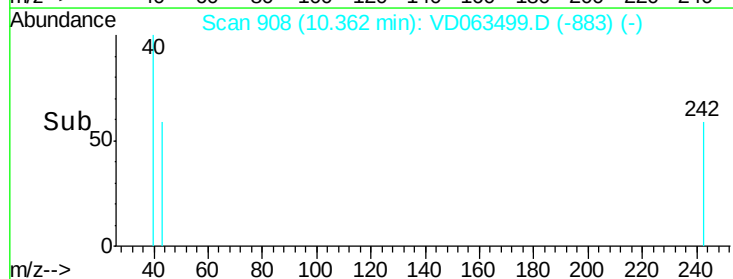
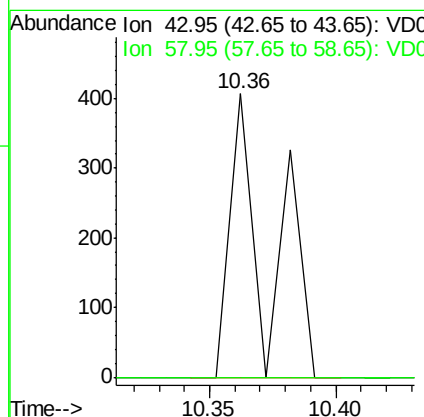
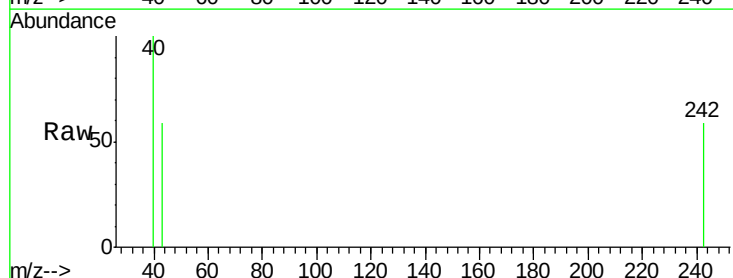
Instrument :
MSVOA_D
ClientSampleId :
VOC-25RE

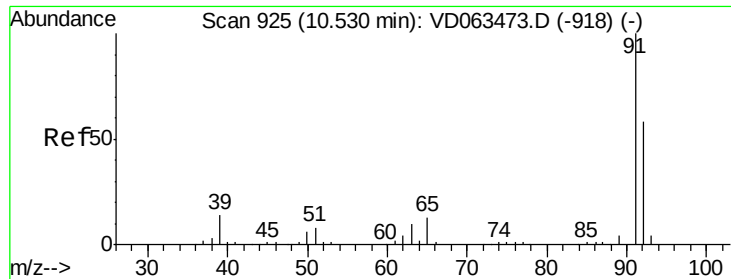
Tot Ion: 98 Resp: 8551
Ion Ratio Lower Upper
98 100
100 42.9 51.7 77.5#



#51
4-Methyl-2-Pentanone
Concen: 10.208 ug/l
RT: 10.36 min Scan# 908
Delta R.T. 0.05 min
Lab File: VD063499.D
Acq: 12 Aug 2019 20:32

Tgt Ion: 43 Resp: 434
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#





#52

Toluene

Concen: 1.134 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

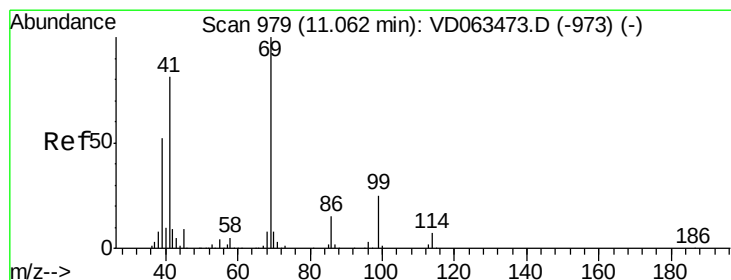
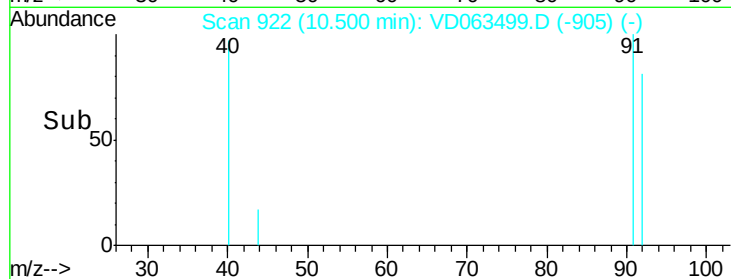
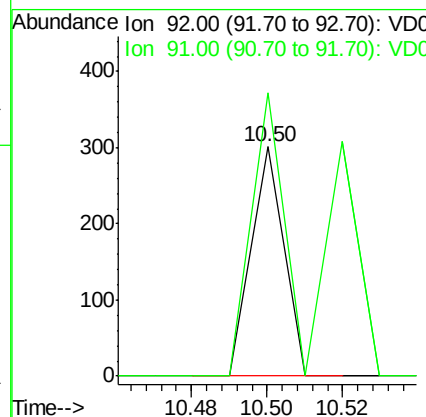
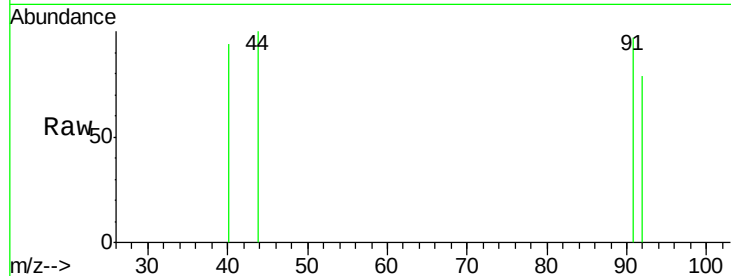
VOC-25RE

Tot Ion: 92 Resp: 178

Ion Ratio Lower Upper

92 100

91 123.6 137.9 206.9#



#56

Ethyl methacrylate

Concen: 6.031 ug/l

RT: 11.13 min Scan# 986

Delta R.T. 0.07 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

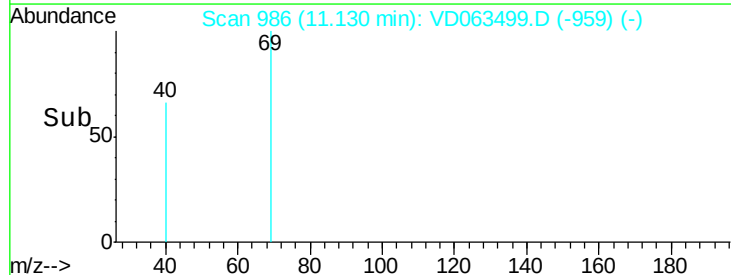
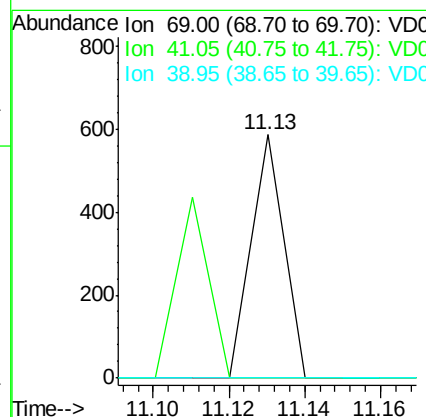
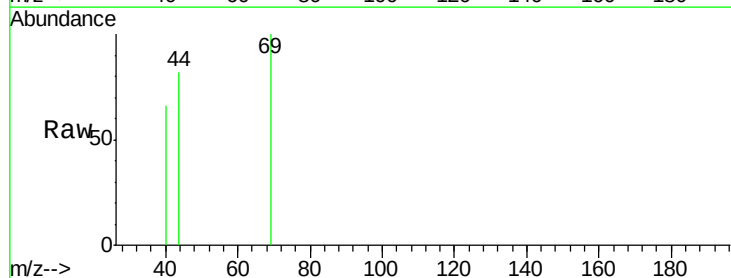
Tgt Ion: 69 Resp: 347

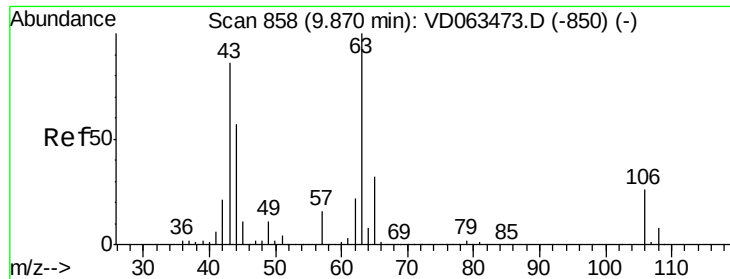
Ion Ratio Lower Upper

69 100

41 0.0 64.8 97.2#

39 0.0 42.4 63.6#

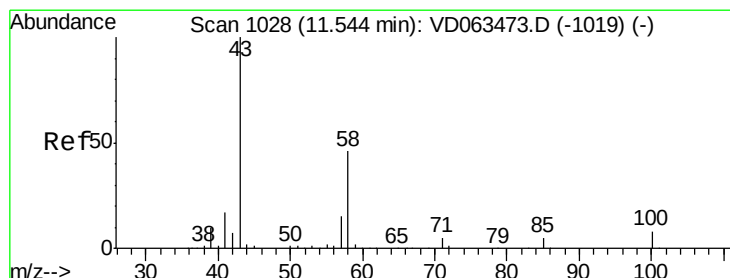
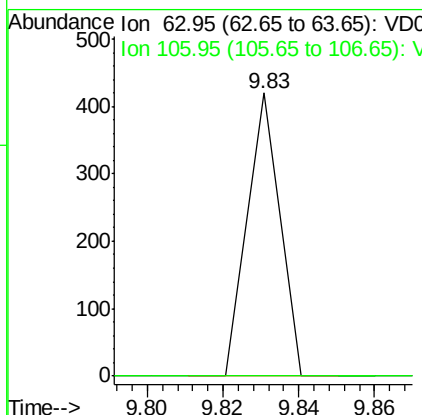
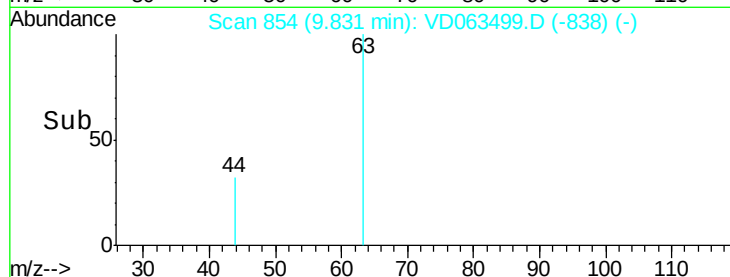
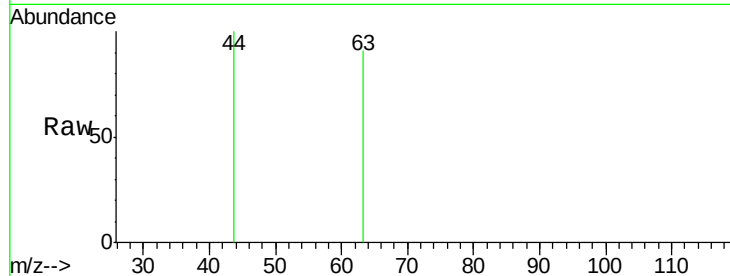




#58
 2-Chloroethyl Vinyl ether
 Concen: 8.164 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. -0.04 min
 Lab File: VD063499.D
 Acq: 12 Aug 2019 20:32

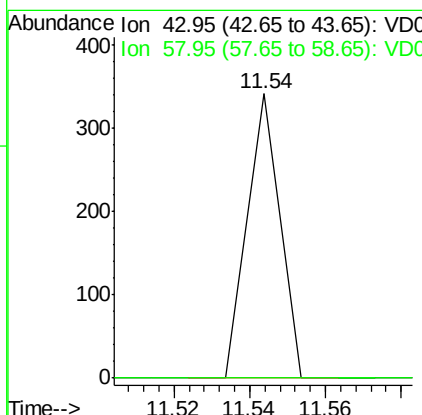
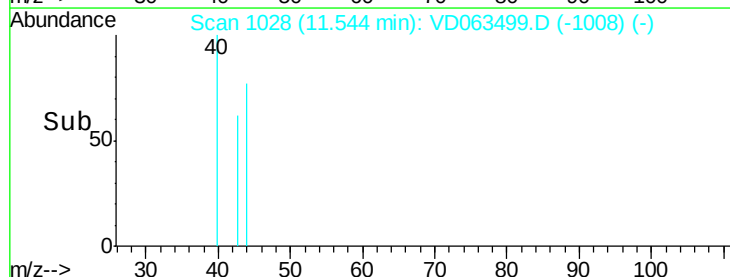
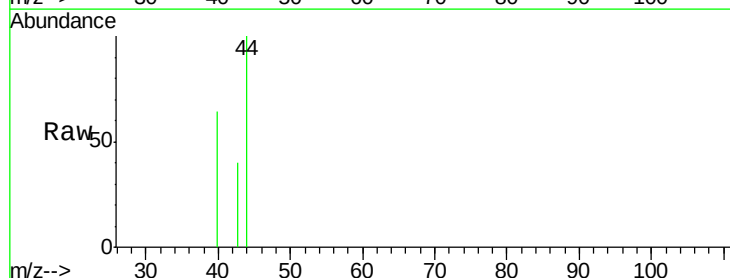
Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-25RE

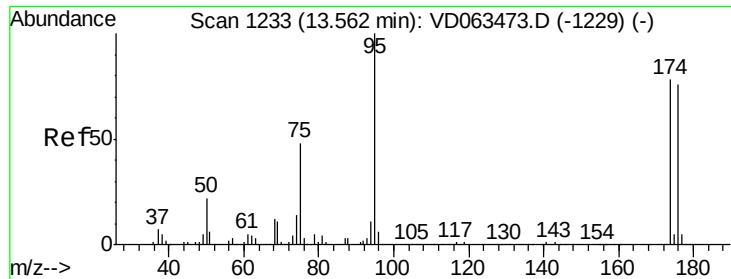
Tot Ion: 63 Resp: 248
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.8 31.2#



#59
 2-Hexanone
 Concen: 6.497 ug/l
 RT: 11.54 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: VD063499.D
 Acq: 12 Aug 2019 20:32

Tgt Ion: 43 Resp: 201
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.1 69.2#

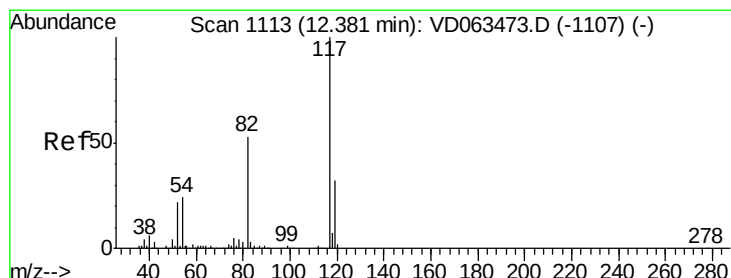
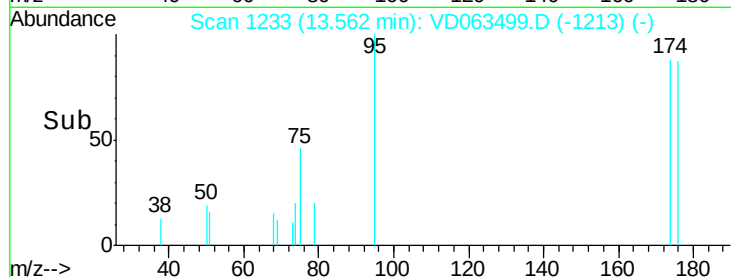
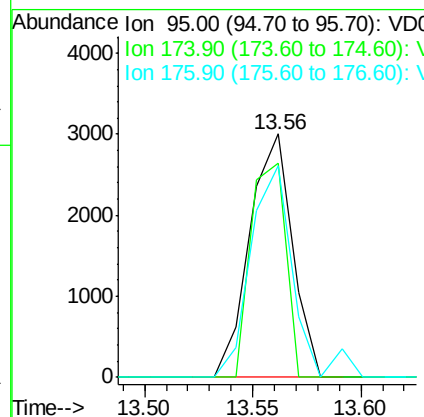
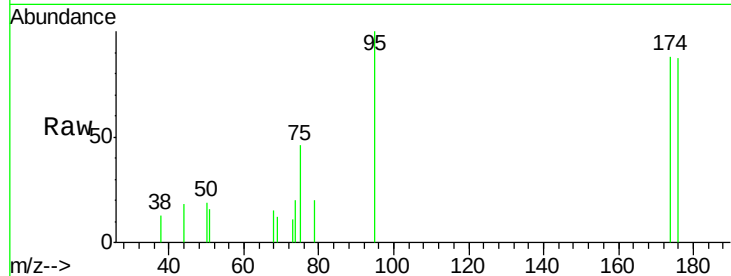




#62
4-Bromofluorobenzene
Concen: 39.598 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD063499.D
Acq: 12 Aug 2019 20:32

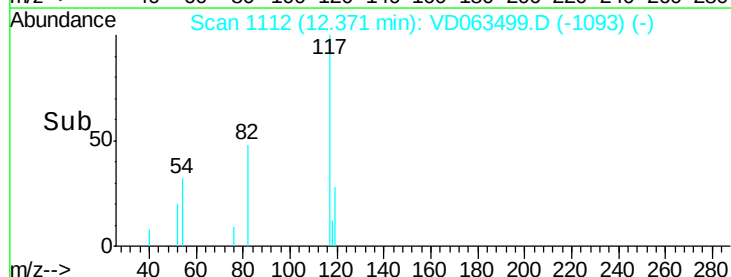
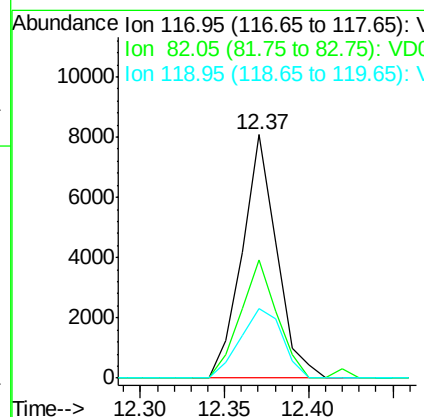
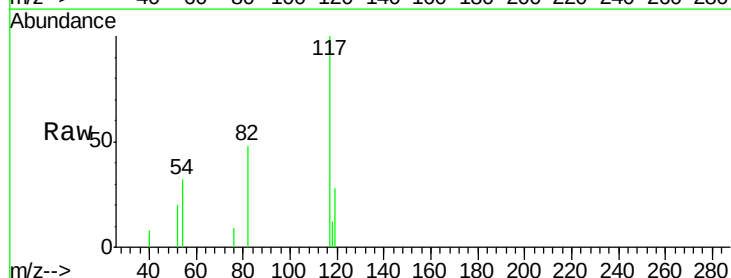
Instrument :
MSVOA_D
ClientSampleId :
VOC-25RE

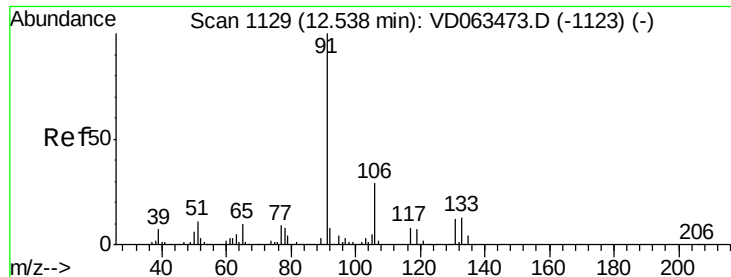
Tot Ion: 95 Resp: 4162
Ion Ratio Lower Upper
95 100
174 88.2 0.0 155.4
176 87.1 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063499.D
Acq: 12 Aug 2019 20:32

Tgt Ion: 117 Resp: 11481
Ion Ratio Lower Upper
117 100
82 48.4 42.0 63.0
119 28.4 25.4 38.0

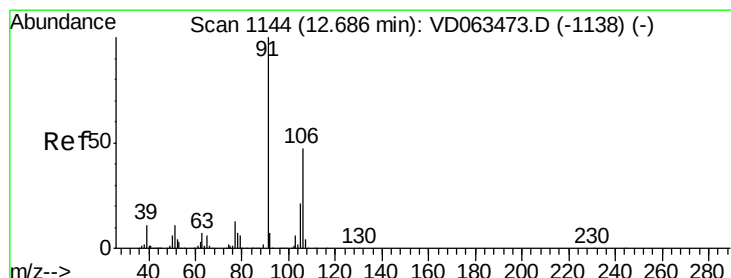
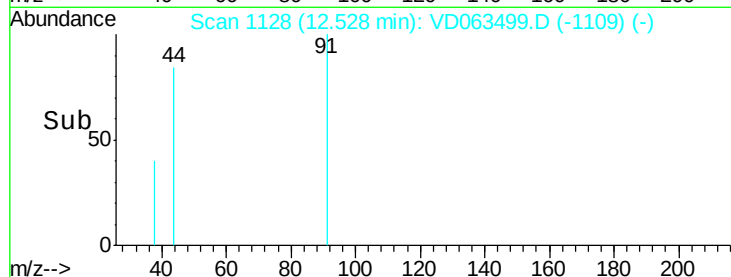
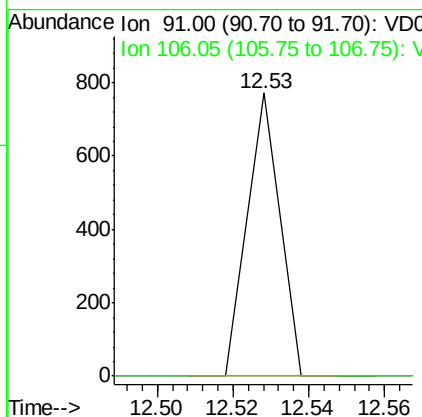
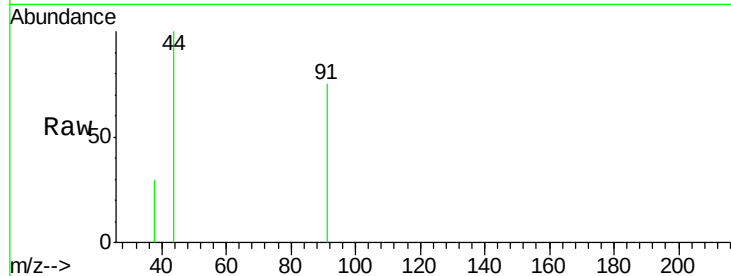




#67
Ethyl Benzene
Concen: 1.219 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD063499.D
Acq: 12 Aug 2019 20:32

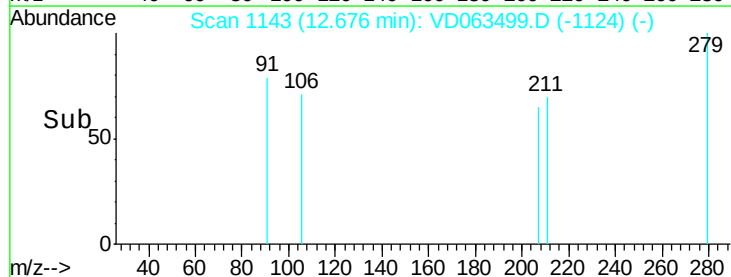
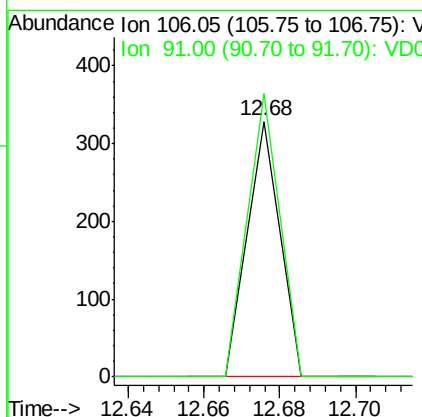
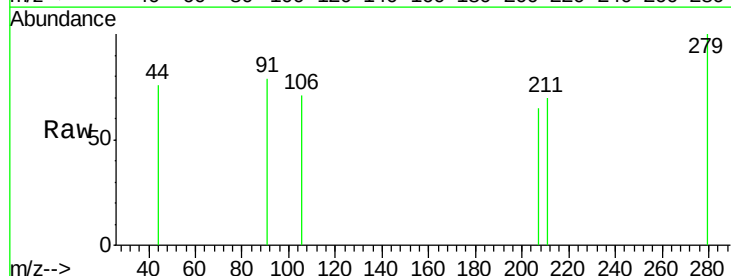
Instrument :
MSVOA_D
ClientSampleId :
VOC-25RE

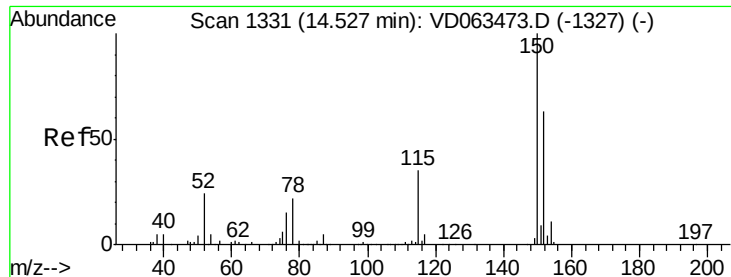
Tot Ion: 91 Resp: 456
Ion Ratio Lower Upper
91 100
106 0.0 23.1 34.7#



#68
m/p-Xylenes
Concen: 1.476 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VD063499.D
Acq: 12 Aug 2019 20:32

Tgt Ion: 106 Resp: 194
Ion Ratio Lower Upper
106 100
91 110.6 171.8 257.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

VOC-25RE

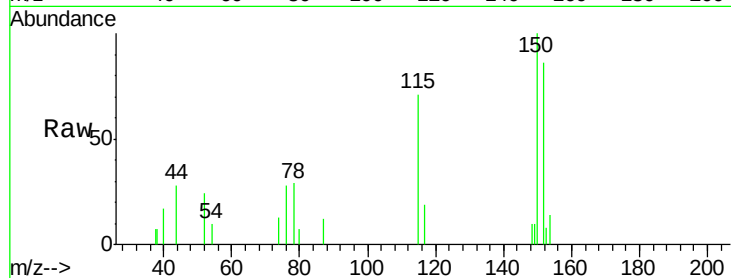
Tot Ion:152 Resp: 4532

Ion Ratio Lower Upper

152 100

115 75.9 30.9 92.7

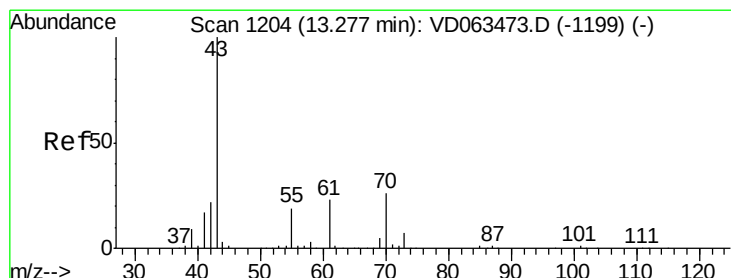
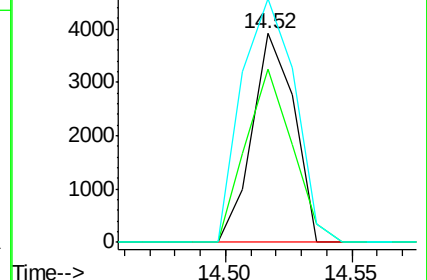
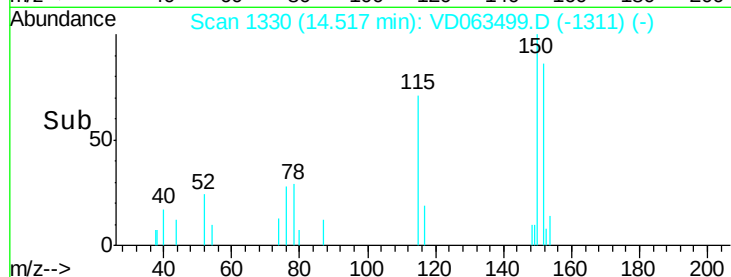
150 106.4 0.0 318.6



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-amyl acetate

Concen: 3.386 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.20 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

Tgt Ion: 43 Resp: 245

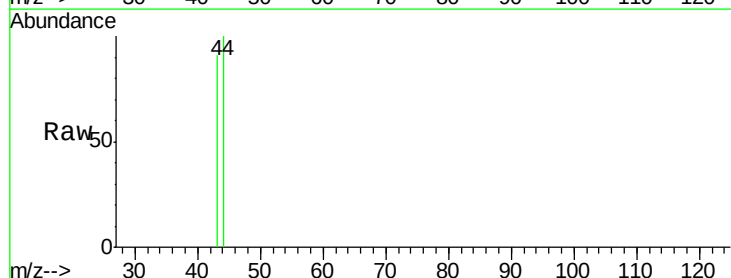
Ion Ratio Lower Upper

43 100

70 0.0 21.1 31.7#

55 0.0 15.4 23.0#

61 0.0 18.2 27.2#

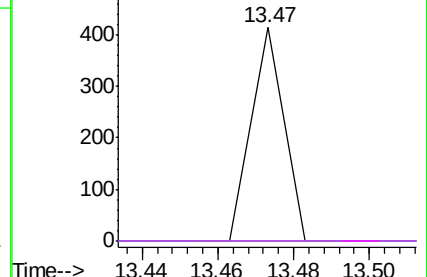
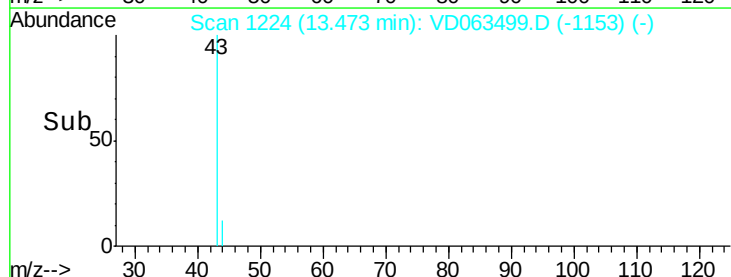


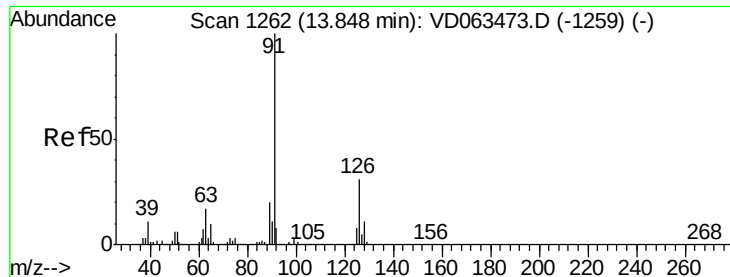
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#79

2-Chlorotoluene

Concen: 3.728 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.11 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

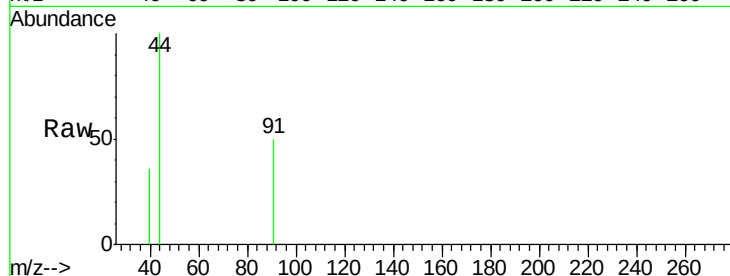
VOC-25RE

Tot Ion: 91 Resp: 725

Ion Ratio Lower Upper

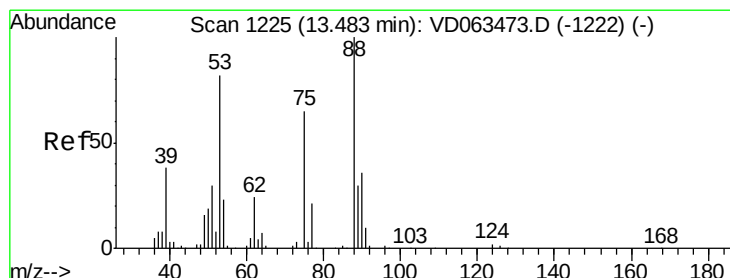
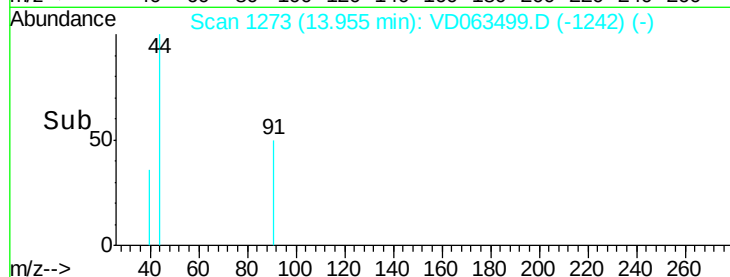
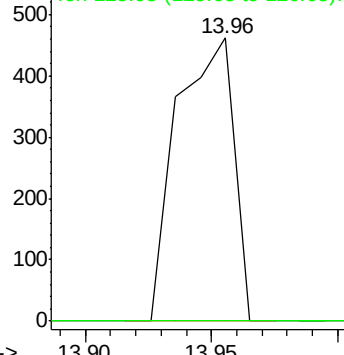
91 100

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): V



#81

trans-1,4-Dichloro-2-butene

Concen: 139.203 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

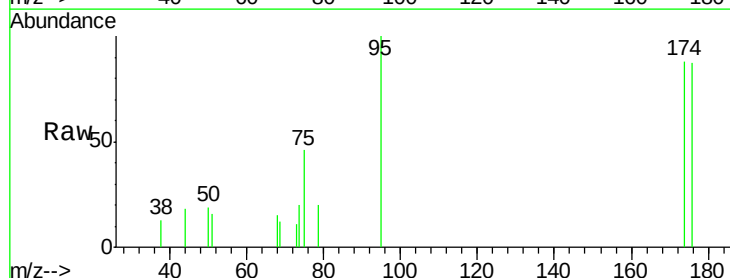
Tgt Ion: 75 Resp: 1946

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

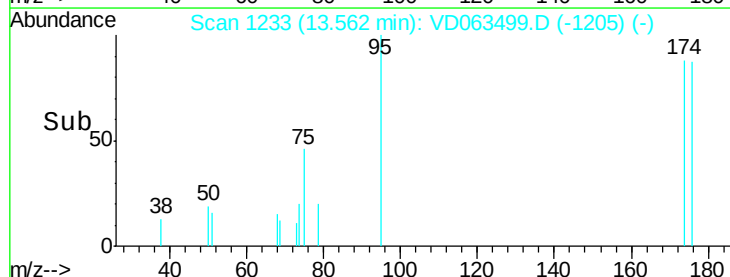
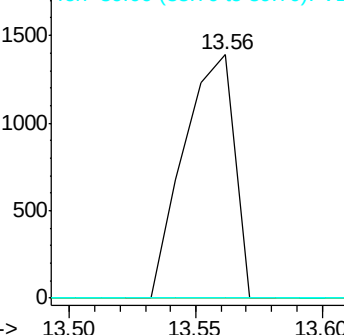
89 0.0 37.0 55.6#

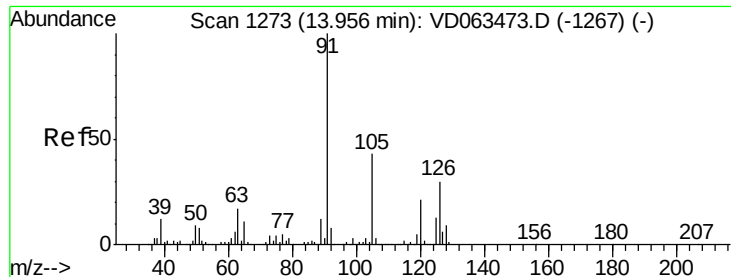


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#82

4-Chlorotoluene

Concen: 3.100 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

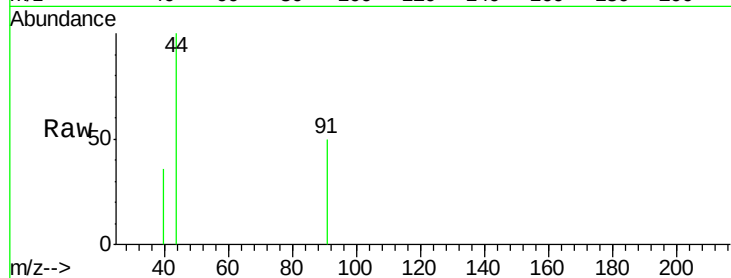
VOC-25RE

Tot Ion: 91 Resp: 725

Ion Ratio Lower Upper

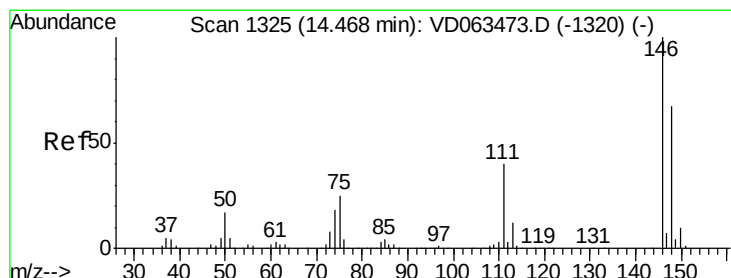
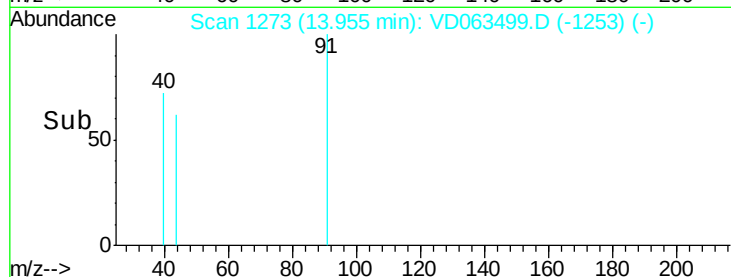
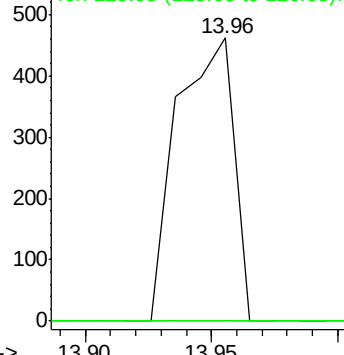
91 100

126 0.0 15.2 45.6#



Abundance Ion 91.00 (90.70 to 91.70): VD0

Ion 125.95 (125.65 to 126.65): V



#87

1,3-Dichlorobenzene

Concen: 2.358 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

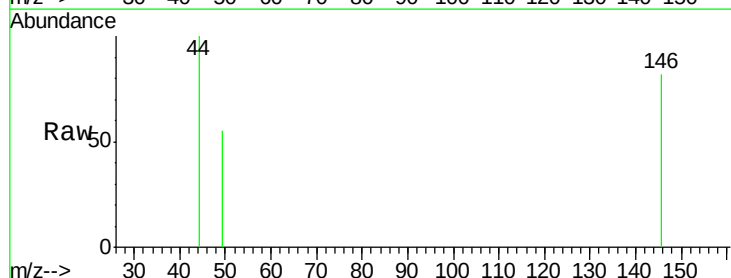
Tgt Ion: 146 Resp: 336

Ion Ratio Lower Upper

146 100

111 0.0 20.0 60.0#

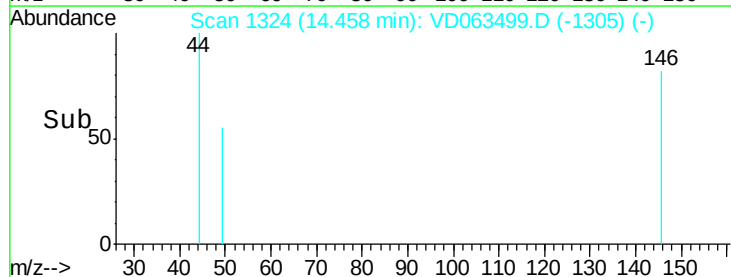
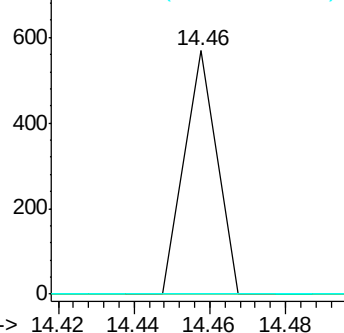
148 0.0 33.6 100.6#

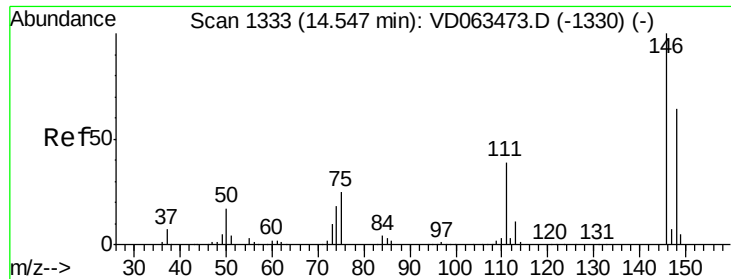


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 2.304 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

VOC-25RE

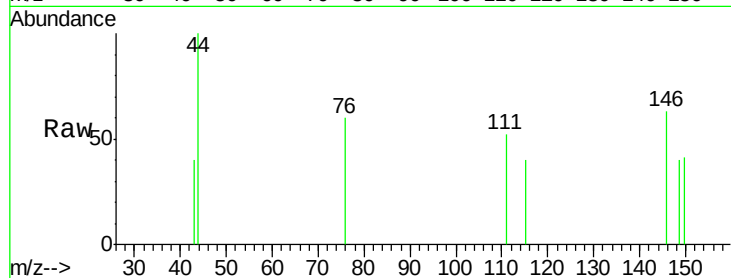
Tot Ion:146 Resp: 315

Ion Ratio Lower Upper

146 100

111 81.8 19.7 59.0#

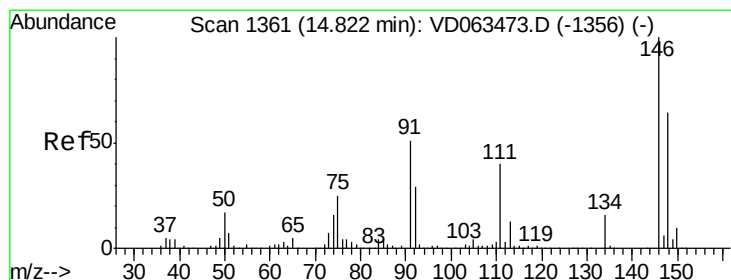
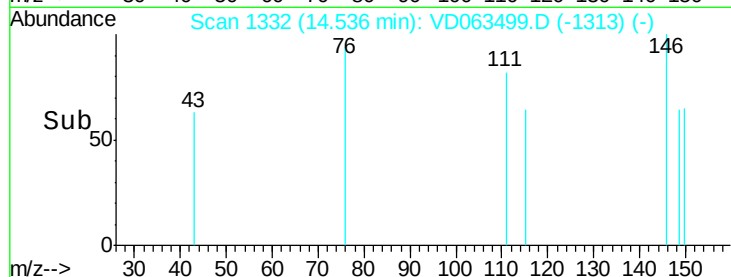
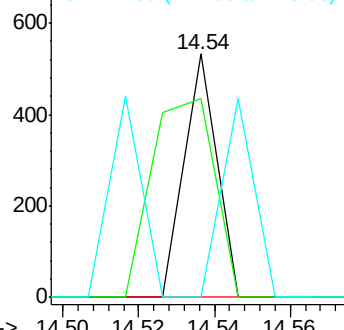
148 0.0 32.1 96.3#



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



#91

1,2-Dichlorobenzene

Concen: 1.960 ug/l

RT: 14.83 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

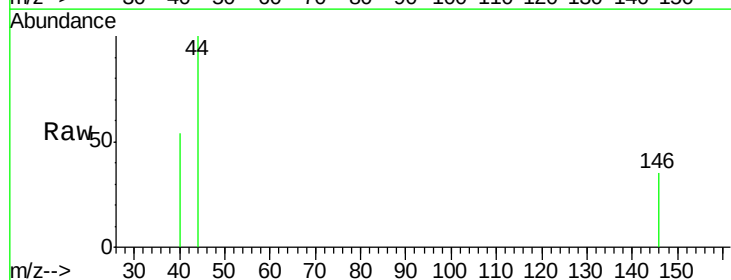
Tgt Ion:146 Resp: 237

Ion Ratio Lower Upper

146 100

111 0.0 20.2 60.6#

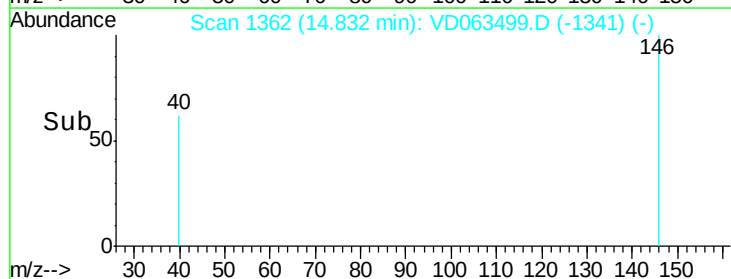
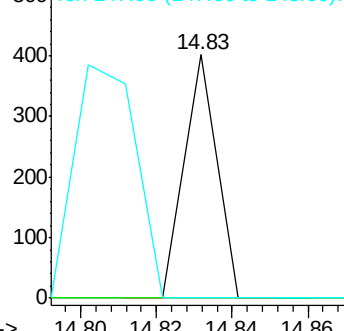
148 0.0 32.1 96.5#

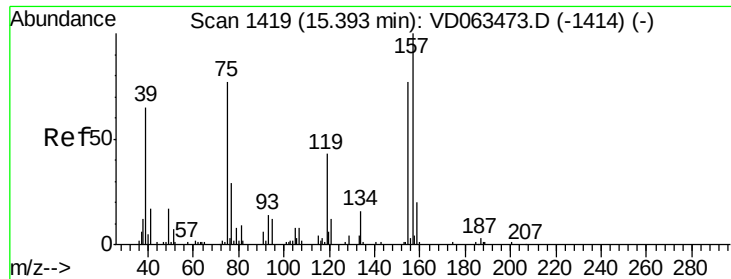


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

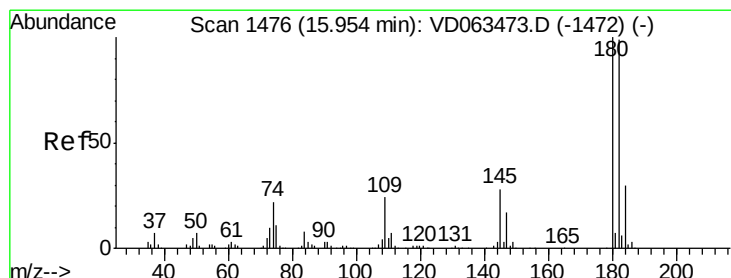
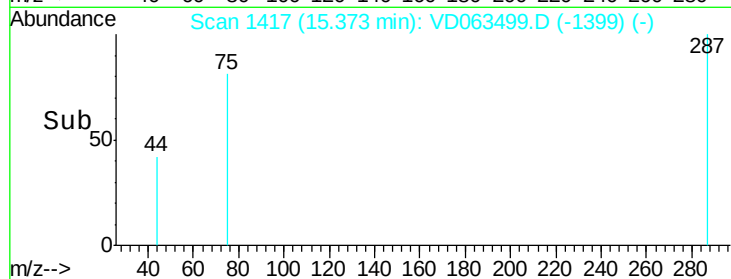
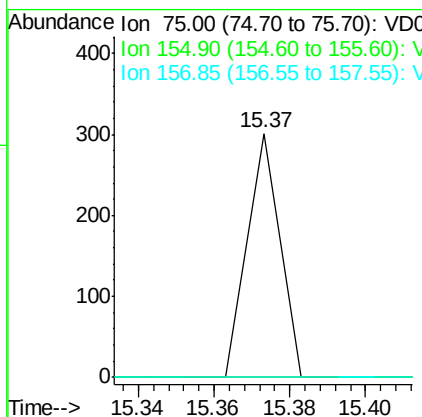
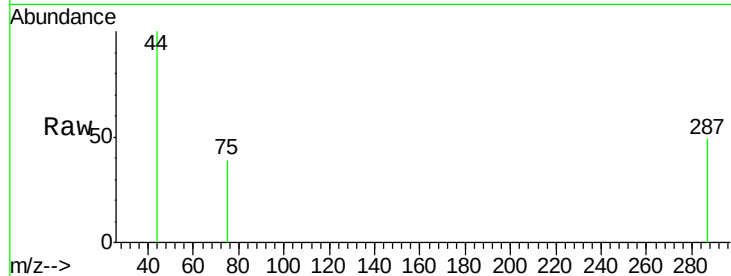




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.758 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD063499.D
 Acq: 12 Aug 2019 20:32

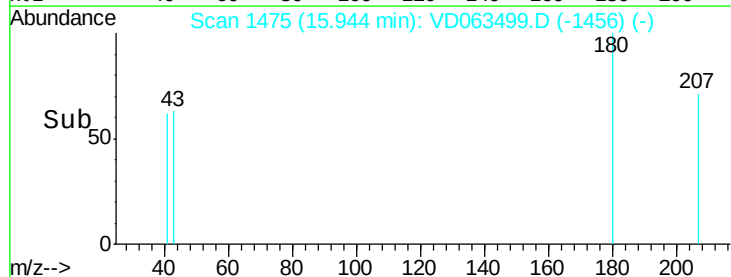
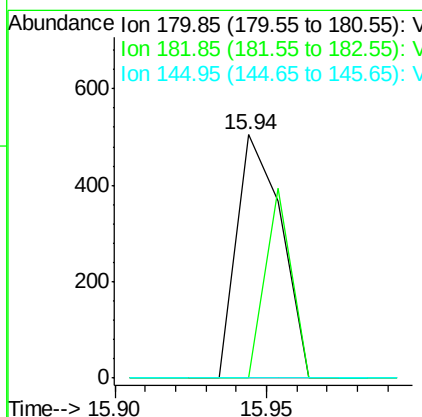
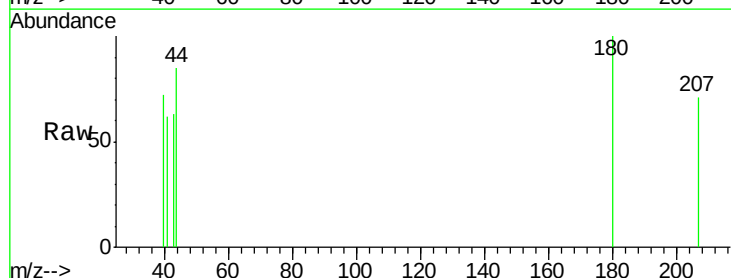
Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-25RE

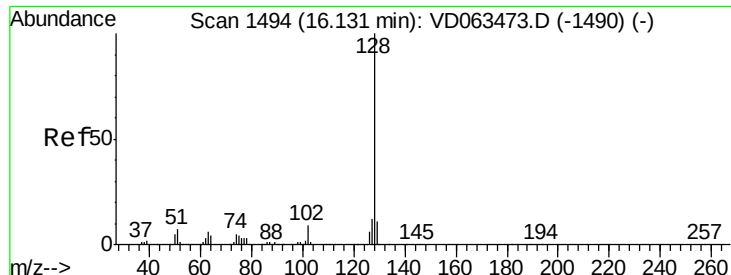
Tot Ion: 75 Resp: 178
 Ion Ratio Lower Upper
 75 100
 155 0.0 50.1 150.3#
 157 0.0 65.0 195.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 5.789 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063499.D
 Acq: 12 Aug 2019 20:32

Tgt Ion: 180 Resp: 515
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.7 149.1#
 145 0.0 14.1 42.2#





#95

Naphthalene

Concen: 2.344 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD063499.D

Acq: 12 Aug 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

VOC-25RE

Tot Ion:128 Resp: 316

Ion Ratio Lower Upper

128 100

127 72.3 9.4 14.0#

129 0.0 8.5 12.7#

