

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063494.D
 Acq On : 12 Aug 2019 18:17
 Operator : JC/SY
 Sample : K4294-04
 Misc : 4.49g/5ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-5124

Quant Time: Aug 13 07:46:58 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	7.03	168	32977	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.21	114	51106	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	58307	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	34492	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	30108	85.41	ug/l	-0.03
Spiked Amount			Recovery	=	170.82%	
35) Dibromofluoromethane	6.91	113	20902	48.56	ug/l	-0.03
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	10.40	98	44178	46.69	ug/l	-0.02
Spiked Amount			Recovery	=	93.38%	
62) 4-Bromofluorobenzene	13.55	95	24352	56.78	ug/l	0.00
Spiked Amount			Recovery	=	113.56%	

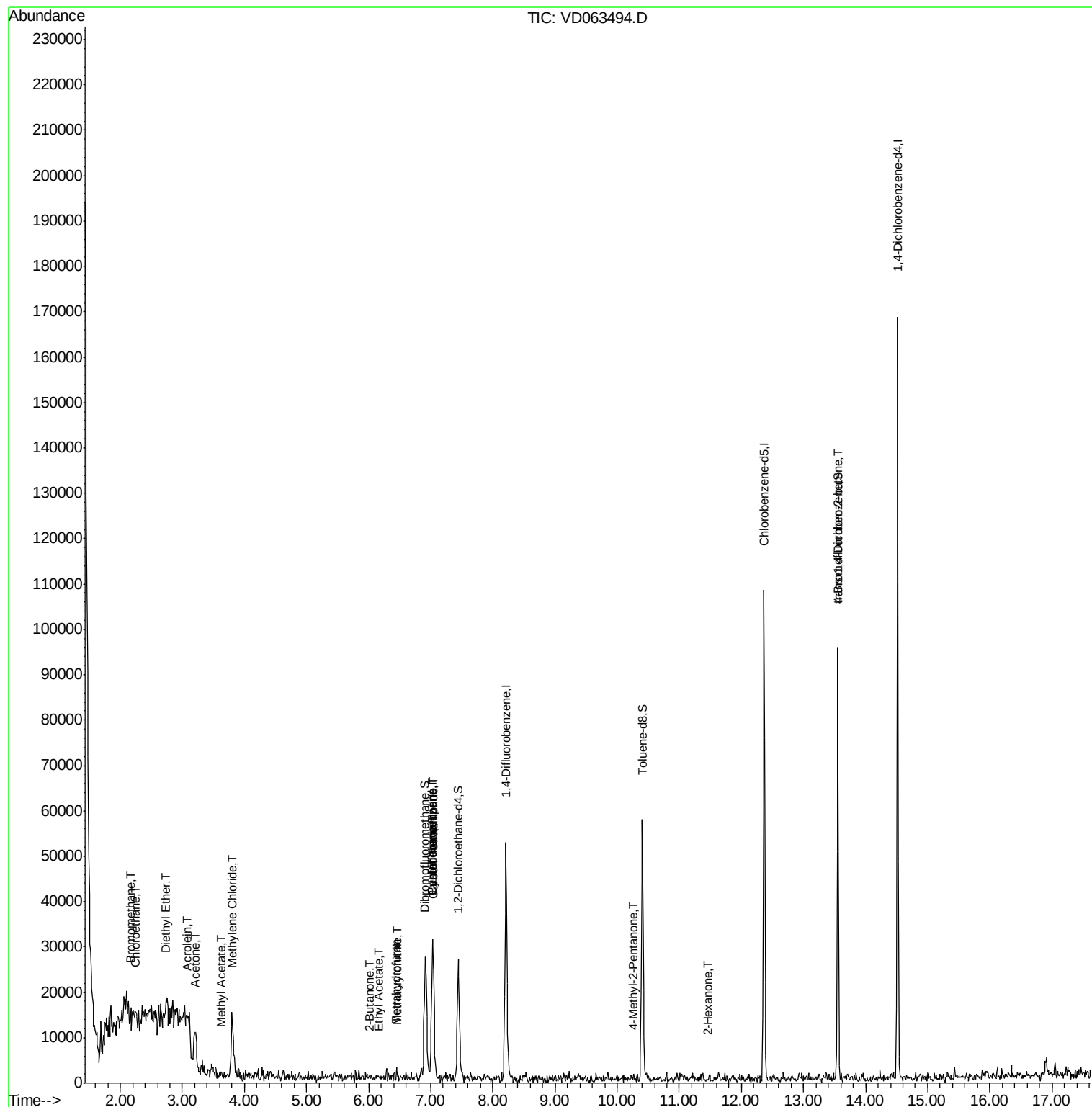
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	1906	13.054	ug/l #	11
6) Chloroethane	2.25	64	187	1.321	ug/l #	42
8) Diethyl Ether	2.74	74	183	2.135	ug/l	80
13) Acrolein	3.06	56	232	15.360	ug/l #	20
16) Acetone	3.20	43	15794	220.414	ug/l	95
18) Methyl Acetate	3.62	43	295	2.173	ug/l #	57
20) Methylene Chloride	3.80	84	8586	27.710	ug/l #	79
25) 2-Butanone	6.02	43	377	5.327	ug/l #	58
29) Tetrahydrofuran	6.46	42	550	16.678	ug/l #	35
31) Cyclohexane	7.04	56	493	1.549	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	1655	3.663	ug/l #	42
37) Ethyl Acetate	6.17	43	279	1.474	ug/l #	73
38) Carbon Tetrachloride	7.05	117	2471	3.629	ug/l #	13
41) Methacrylonitrile	6.47	41	575	2.412	ug/l #	37
51) 4-Methyl-2-Pentanone	10.27	43	551	3.176	ug/l #	40
59) 2-Hexanone	11.45	43	180	1.426	ug/l #	30
81) trans-1,4-Dichloro-2-buten	13.55	75	9906	93.106	ug/l #	1

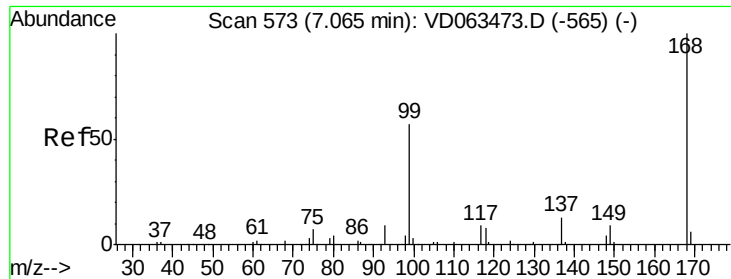
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081219\
Data File : VD063494.D
Acq On : 12 Aug 2019 18:17
Operator : JC/SY
Sample : K4294-04
Misc : 4.49g/5ml/MSVOA D/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RT-5124

Quant Time: Aug 13 07:46:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD063494.D

Acq: 12 Aug 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

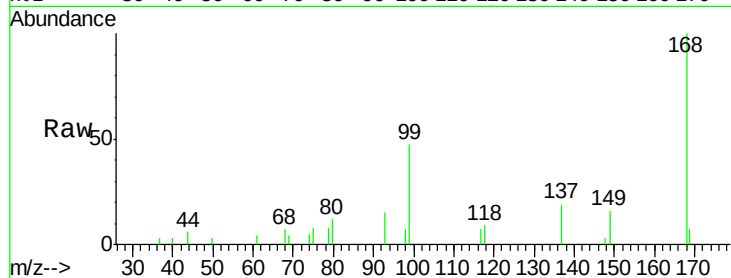
RT-5124

Tot Ion:168 Resp: 32977

Ion Ratio Lower Upper

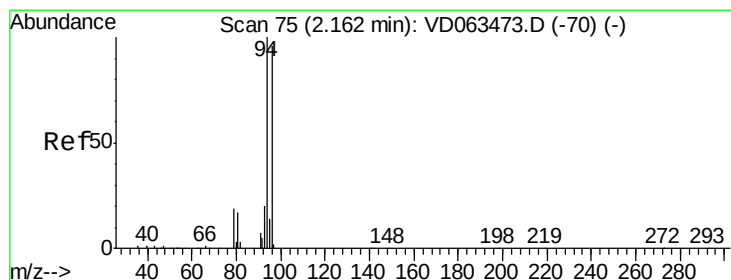
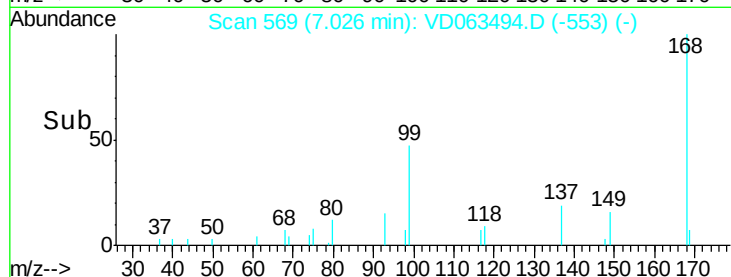
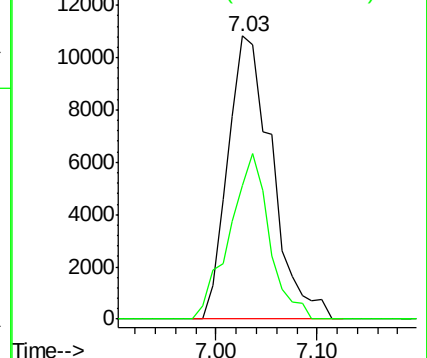
168 100

99 47.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 13.054 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD063494.D

Acq: 12 Aug 2019 18:17

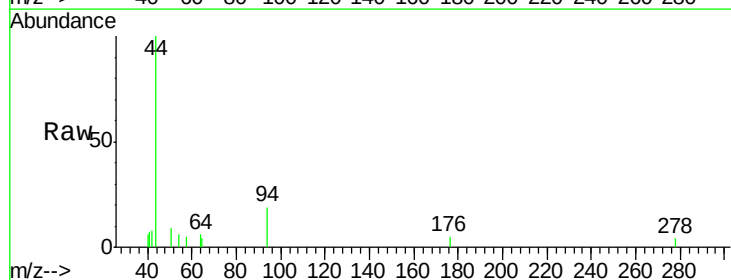
Tgt Ion: 94 Resp: 1906

Ion Ratio Lower Upper

94 100

96 0.0 76.5 114.7#

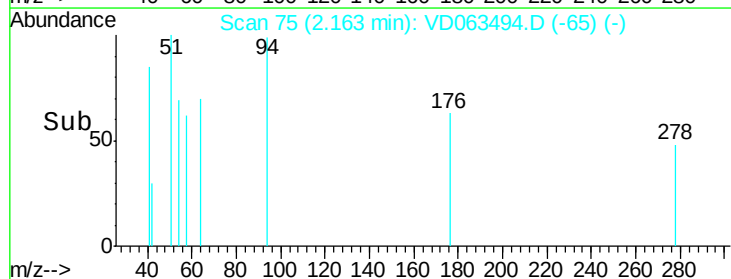
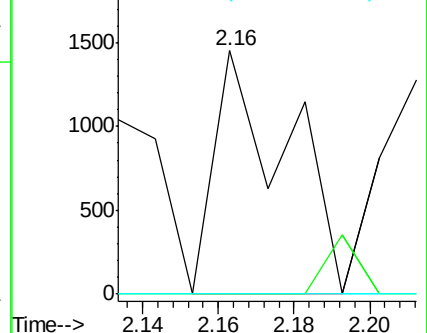
93 0.0 15.8 23.8#

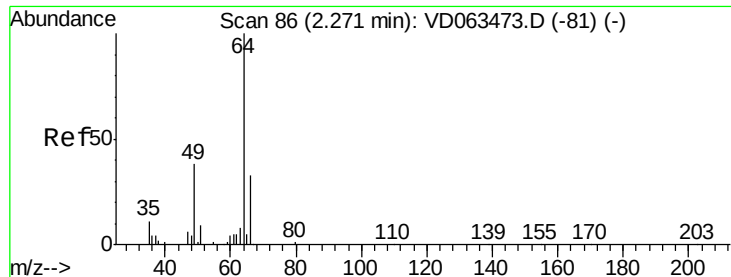


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#6

Chloroethane

Concen: 1.321 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD063494.D

Acq: 12 Aug 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

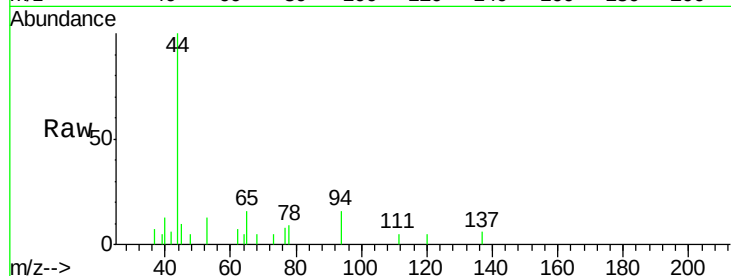
RT-5124

Tot Ion: 64 Resp: 187

Ion Ratio Lower Upper

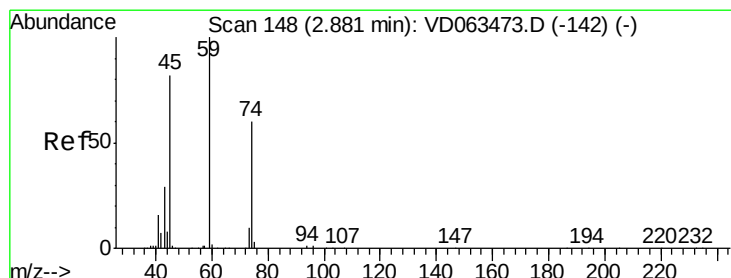
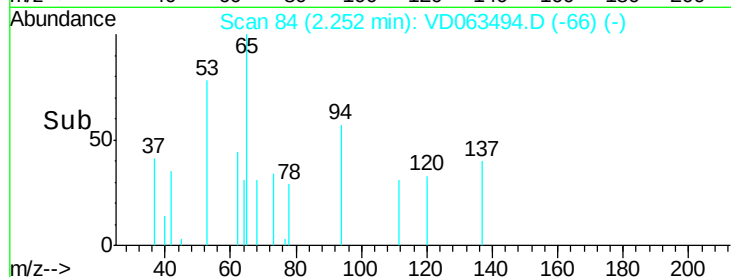
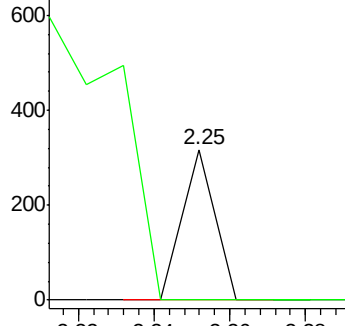
64 100

66 0.0 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: 2.135 ug/l

RT: 2.74 min Scan# 134

Delta R.T. -0.14 min

Lab File: VD063494.D

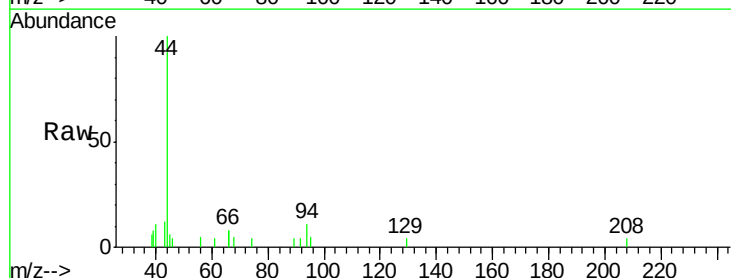
Acq: 12 Aug 2019 18:17

Tgt Ion: 74 Resp: 183

Ion Ratio Lower Upper

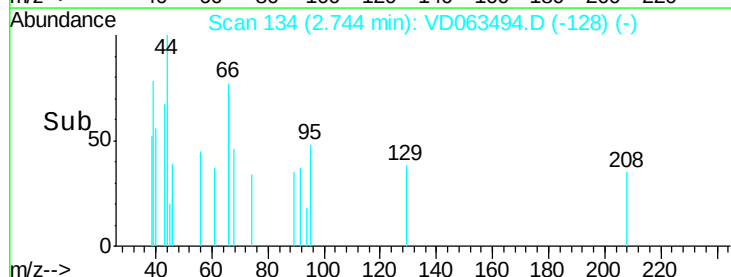
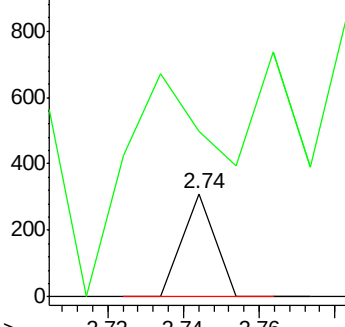
74 100

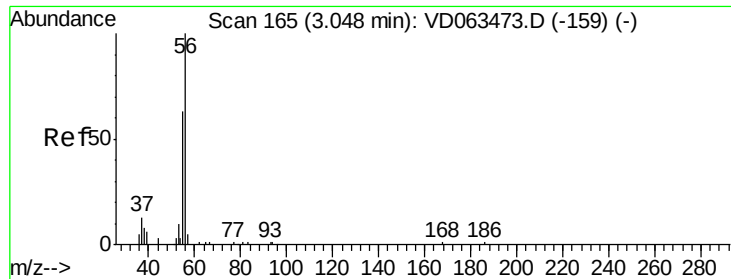
45 161.3 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#13

Acrolein

Concen: 15.360 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.01 min

Lab File: VD063494.D

Acq: 12 Aug 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

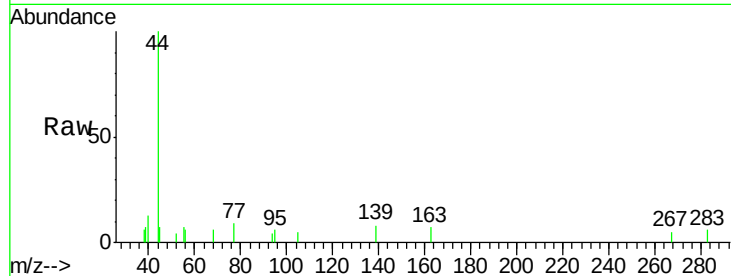
RT-5124

Tot Ion: 56 Resp: 232

Ion Ratio Lower Upper

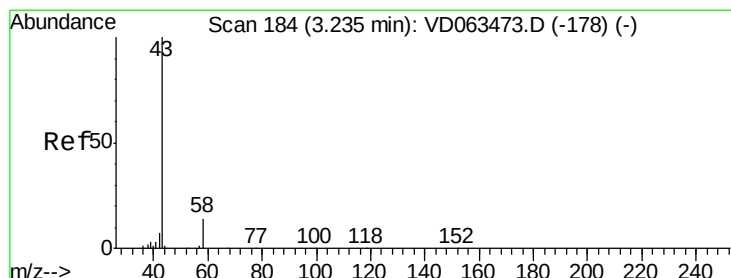
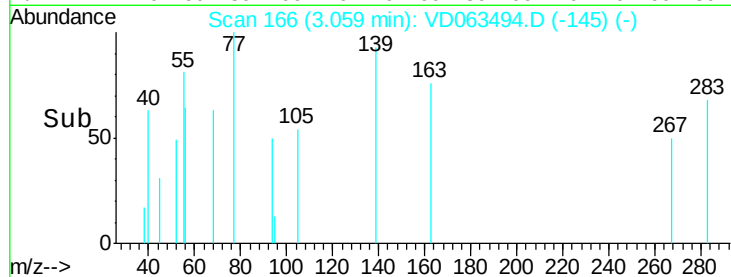
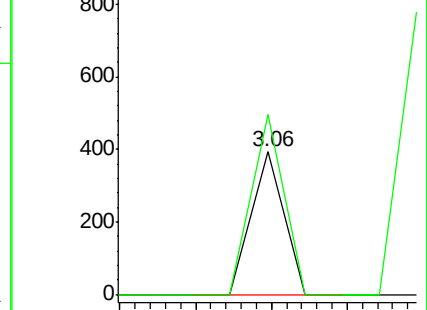
56 100

55 126.8 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 220.414 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.04 min

Lab File: VD063494.D

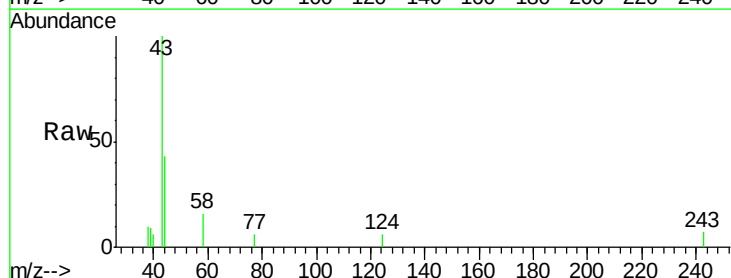
Acq: 12 Aug 2019 18:17

Tgt Ion: 43 Resp: 15794

Ion Ratio Lower Upper

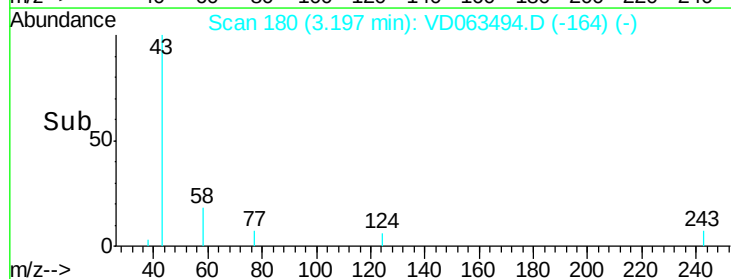
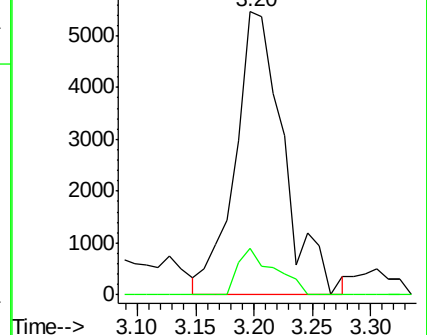
43 100

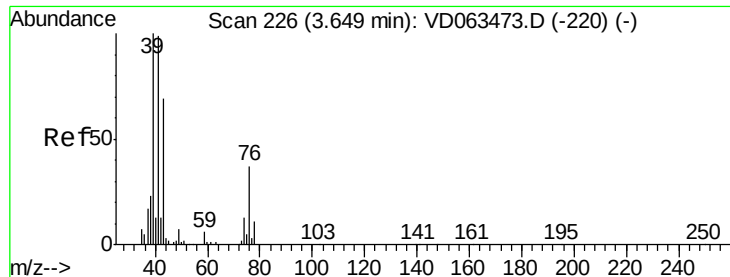
58 16.3 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

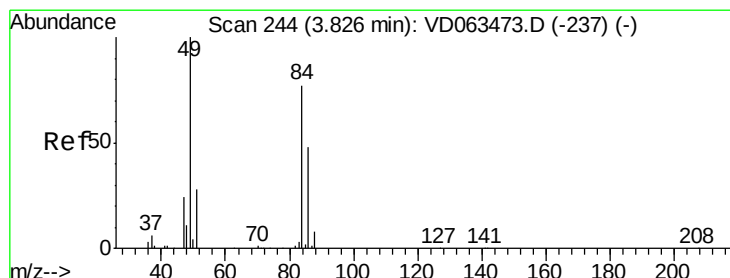
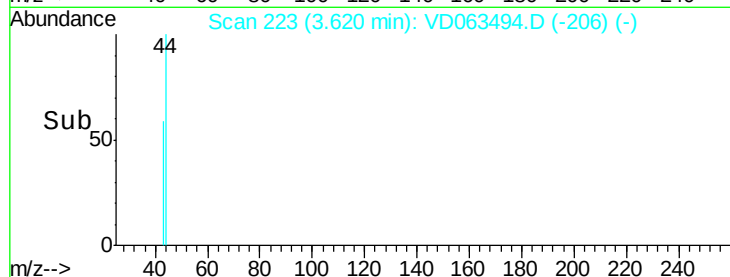
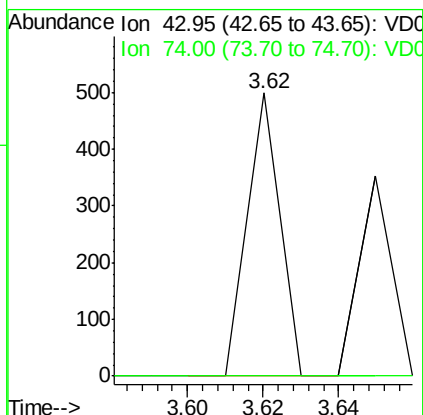
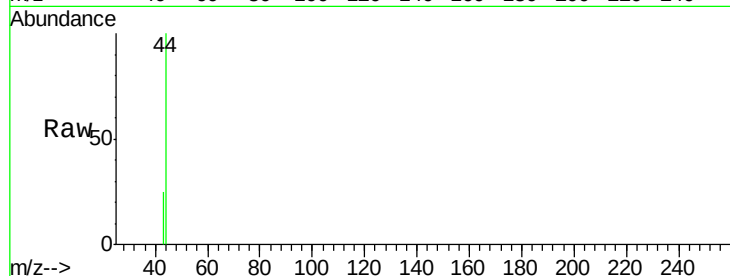




#18
Methyl Acetate
Concen: 2.173 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.03 min
Lab File: VD063494.D
Acq: 12 Aug 2019 18:17

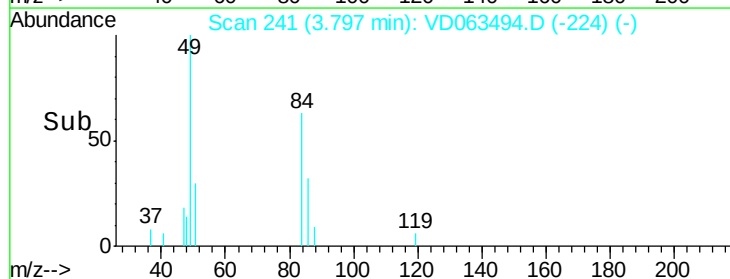
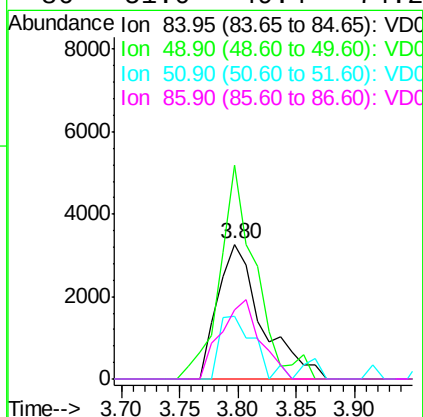
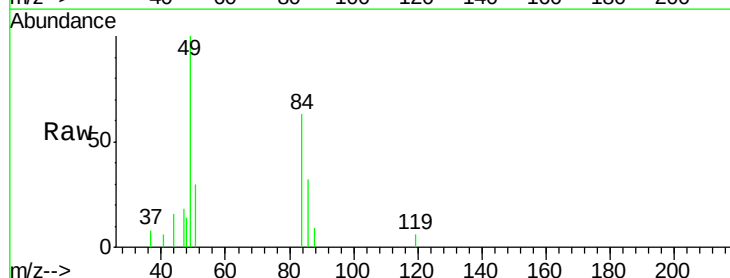
Instrument :
MSVOA_D
ClientSampled :
RT-5124

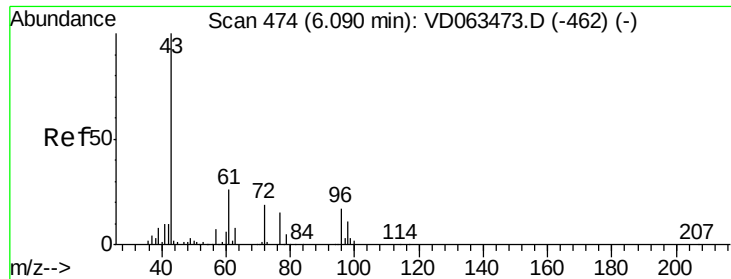
Tot Ion: 43 Resp: 295
Ion Ratio Lower Upper
43 100
74 0.0 15.4 23.2#



#20
Methylene Chloride
Concen: 27.710 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063494.D
Acq: 12 Aug 2019 18:17

Tgt Ion: 84 Resp: 8586
Ion Ratio Lower Upper
84 100
49 158.5 103.4 155.2#
51 47.0 28.5 42.7#
86 51.0 49.4 74.2





#25

2-Butanone

Concen: 5.327 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.07 min

Lab File: VD063494.D

Acq: 12 Aug 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

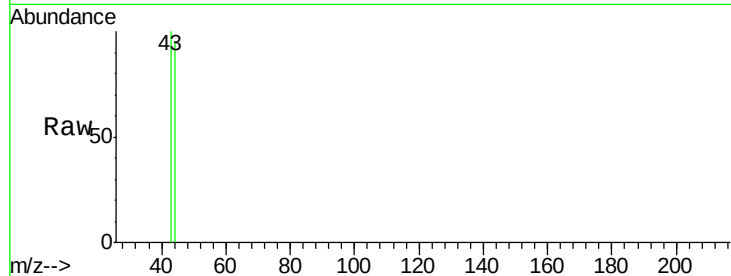
RT-5124

Tot Ion: 43 Resp: 377

Ion Ratio Lower Upper

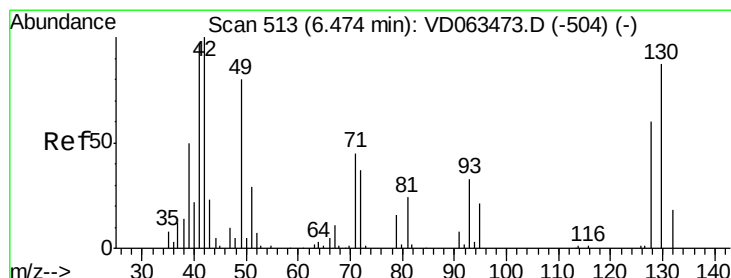
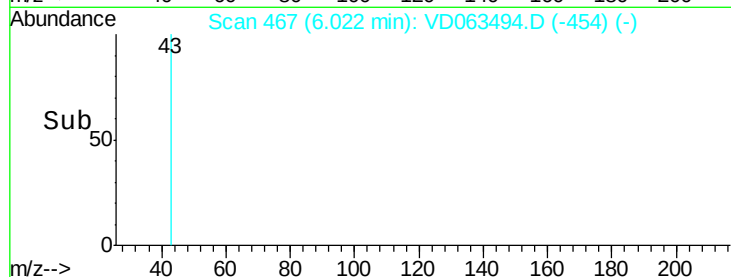
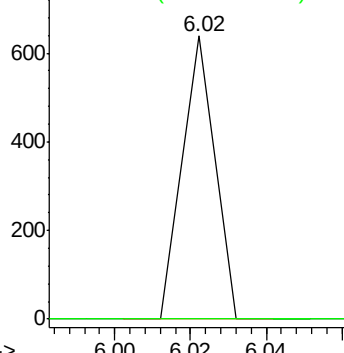
43 100

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



#29

Tetrahydrofuran

Concen: 16.678 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD063494.D

Acq: 12 Aug 2019 18:17

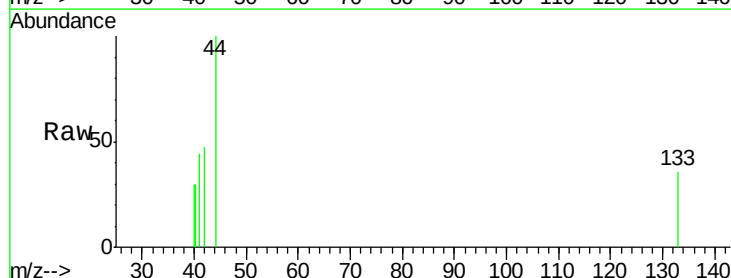
Tgt Ion: 42 Resp: 550

Ion Ratio Lower Upper

42 100

72 0.0 31.5 47.3#

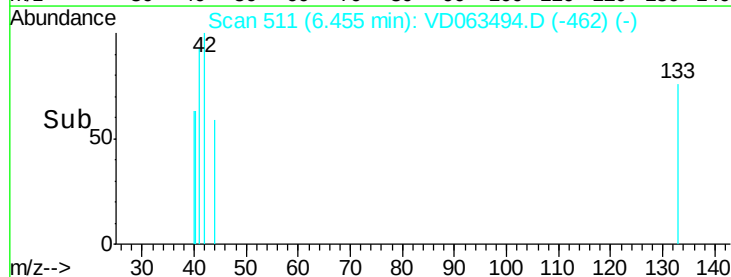
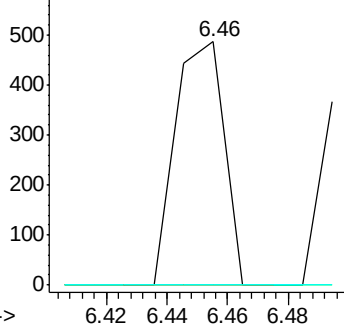
71 0.0 33.8 50.8#

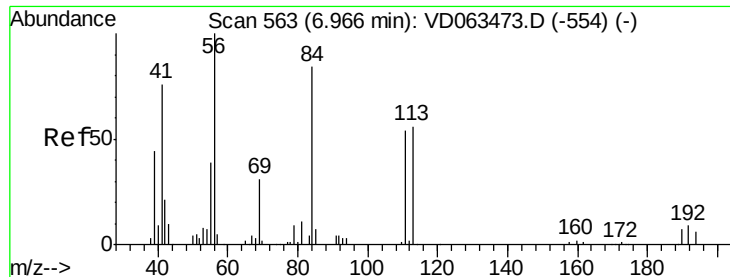


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

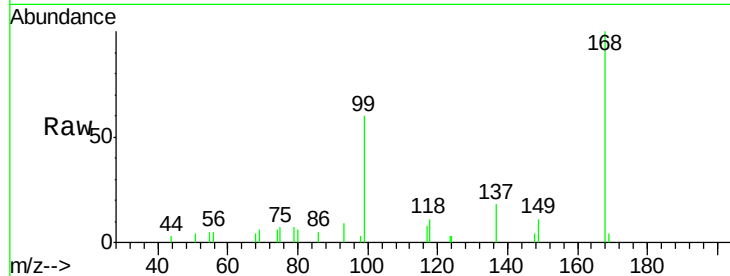




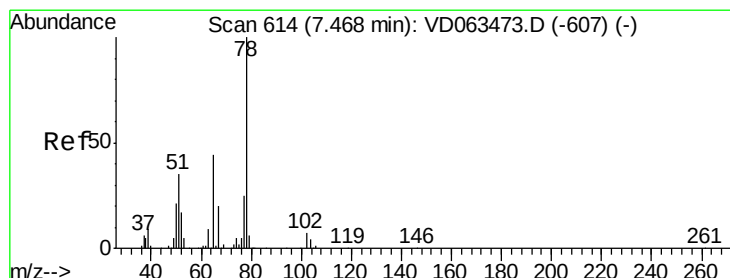
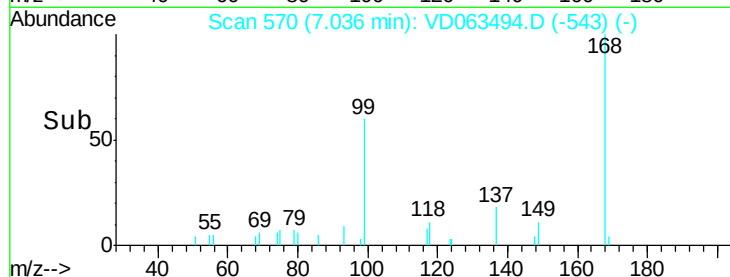
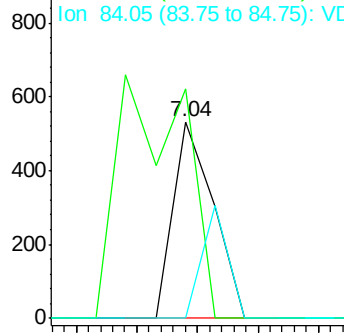
#31
Cyclohexane
Concen: 1.549 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063494.D
Acq: 12 Aug 2019 18:17

Instrument :
MSVOA_D
ClientSampleId :
RT-5124

Tot Ion: 56 Resp: 493
Ion Ratio Lower Upper
56 100
69 116.7 25.0 37.6#
84 0.0 69.7 104.5#

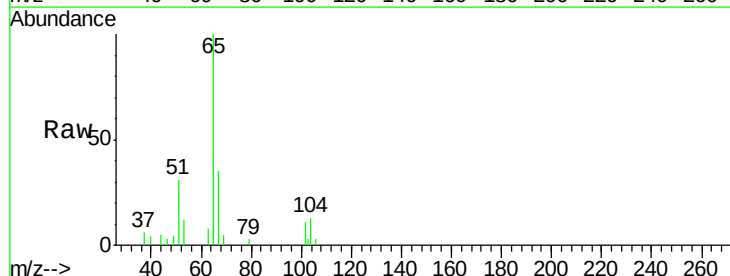


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

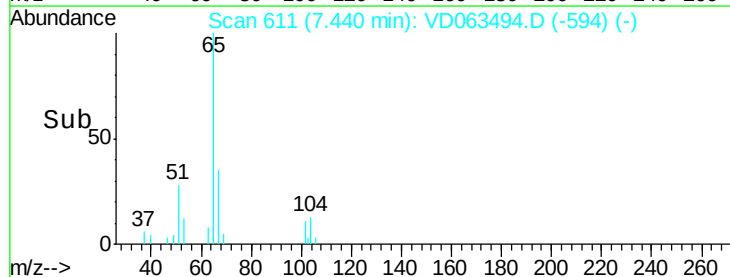
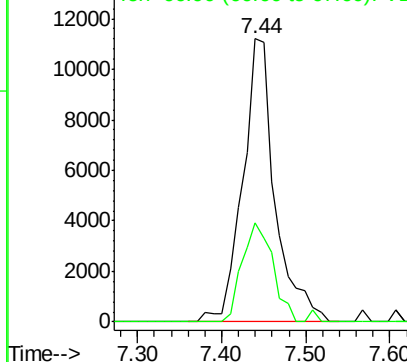


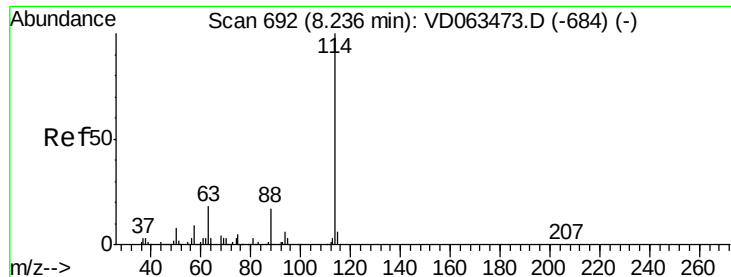
#33
1,2-Dichloroethane-d4
Concen: 85.413 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063494.D
Acq: 12 Aug 2019 18:17

Tgt Ion: 65 Resp: 30108
Ion Ratio Lower Upper
65 100
67 35.1 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

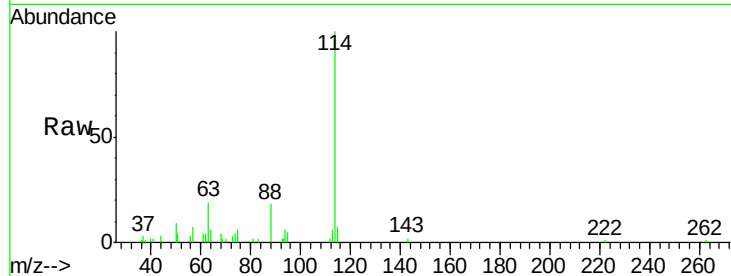




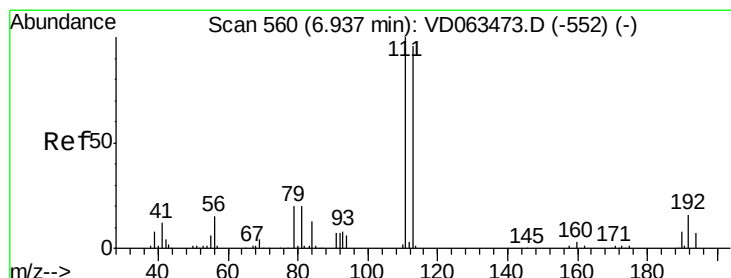
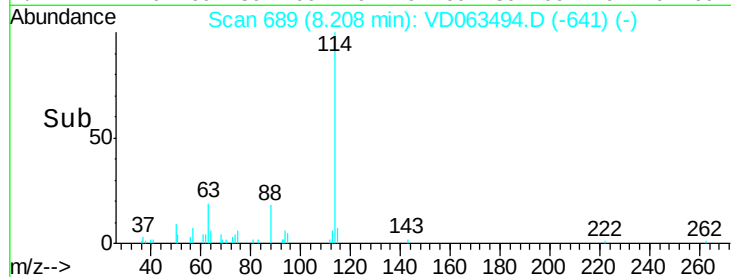
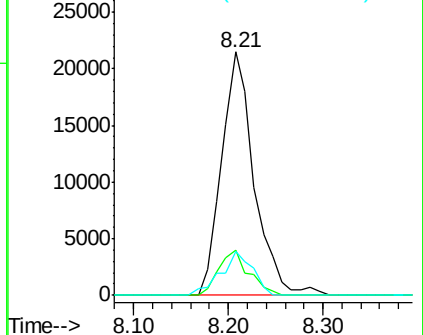
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063494.D
 Acq: 12 Aug 2019 18:17

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-5124

Tot Ion:114 Resp: 51106
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.2
 88 18.3 0.0 35.0

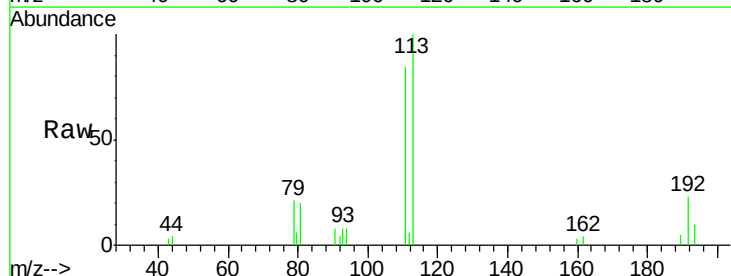


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

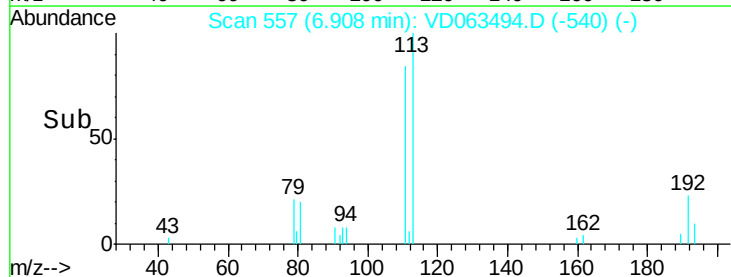
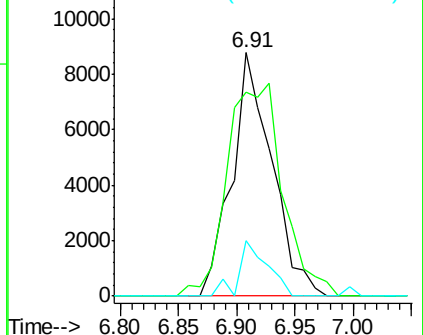


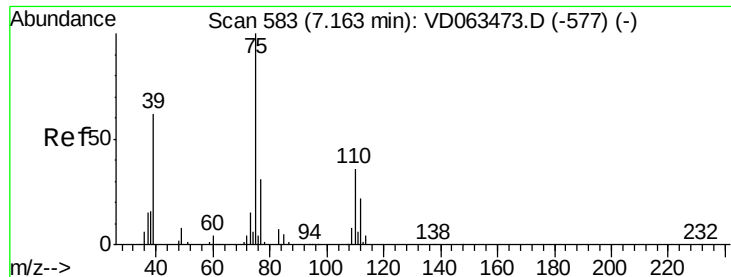
#35
 Dibromofluoromethane
 Concen: 48.562 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: VD063494.D
 Acq: 12 Aug 2019 18:17

Tgt Ion:113 Resp: 20902
 Ion Ratio Lower Upper
 113 100
 111 84.0 83.1 124.7
 192 22.7 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: 3.663 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.14 min

Lab File: VD063494.D

Acq: 12 Aug 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

RT-5124

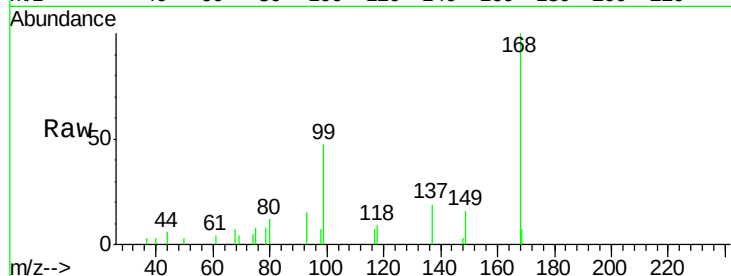
Tot Ion: 75 Resp: 1655

Ion Ratio Lower Upper

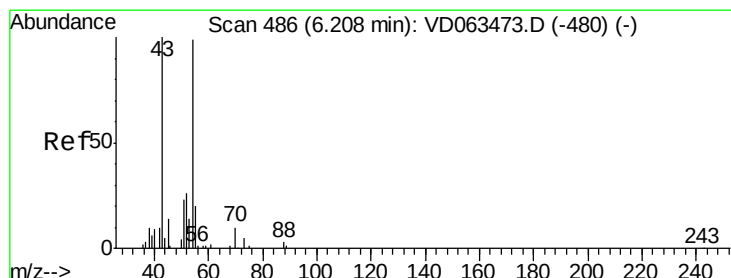
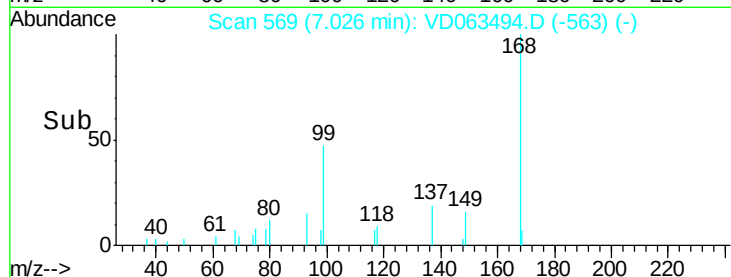
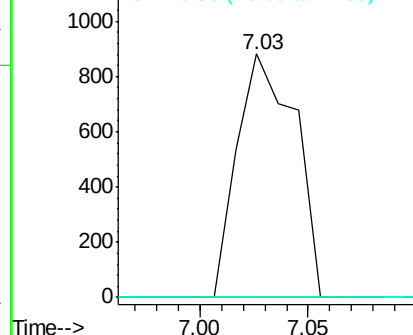
75 100

110 0.0 17.6 52.8#

77 0.0 24.3 36.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.474 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.04 min

Lab File: VD063494.D

Acq: 12 Aug 2019 18:17

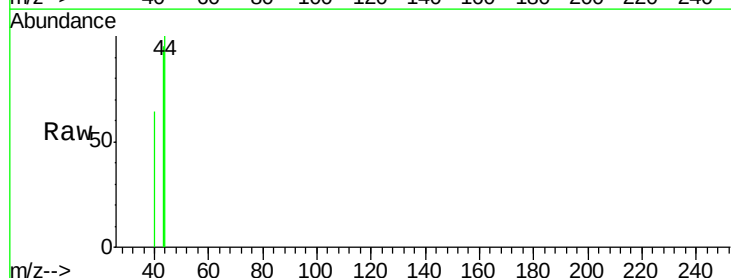
Tgt Ion: 43 Resp: 279

Ion Ratio Lower Upper

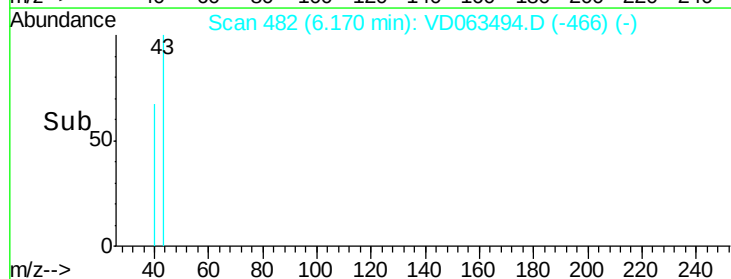
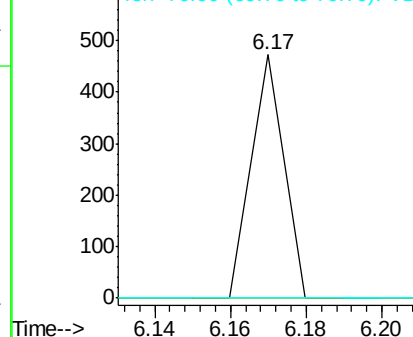
43 100

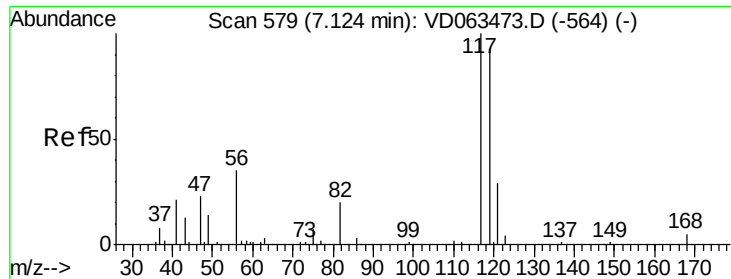
61 0.0 9.0 13.6#

70 0.0 6.9 10.3#



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





#38

Carbon Tetrachloride

Concen: 3.629 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD063494.D

Acq: 12 Aug 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

RT-5124

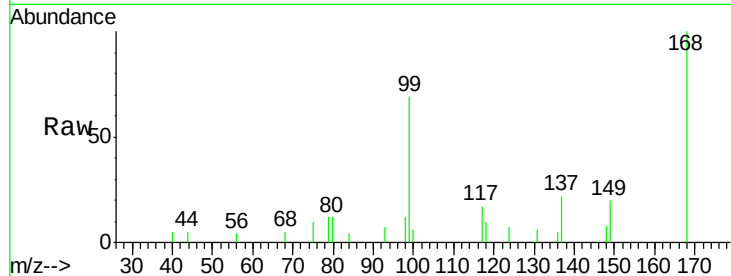
Tot Ion:117 Resp: 2471

Ion Ratio Lower Upper

117 100

119 0.0 74.2 111.2#

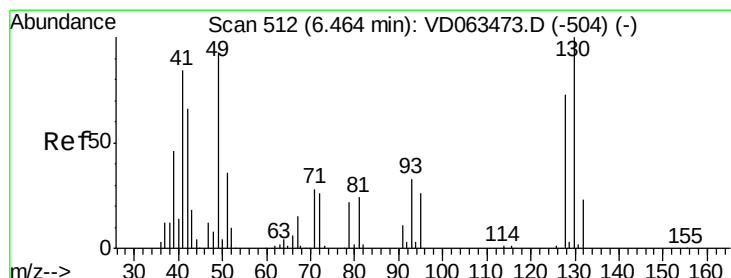
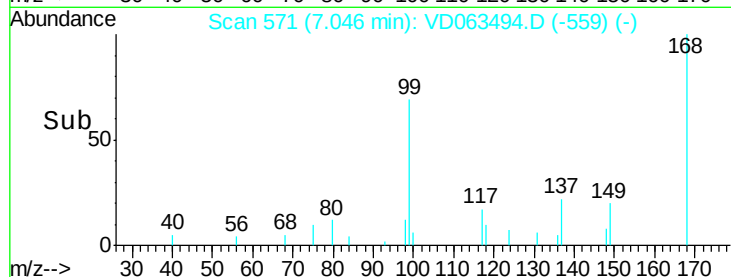
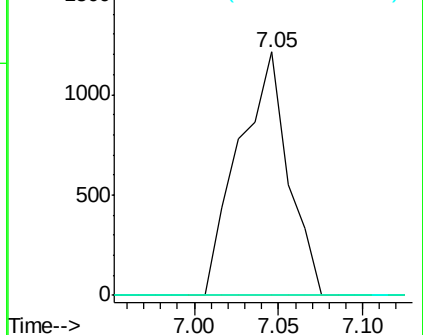
121 0.0 23.1 34.7#



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: 2.412 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD063494.D

Acq: 12 Aug 2019 18:17

Tgt Ion: 41 Resp: 575

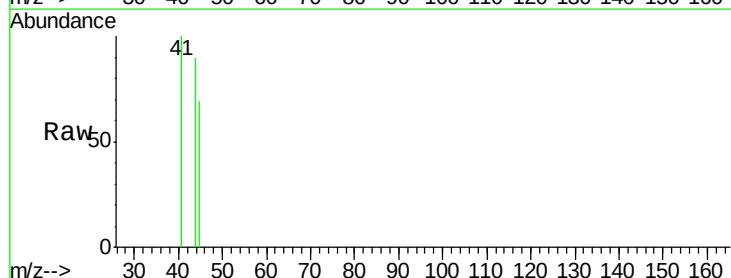
Ion Ratio Lower Upper

41 100

39 0.0 44.6 66.8#

67 0.0 14.4 21.6#

52 0.0 9.3 13.9#

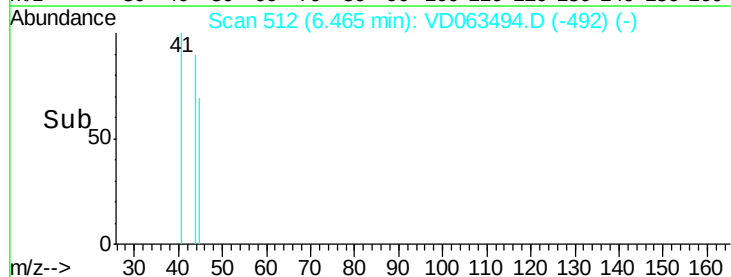
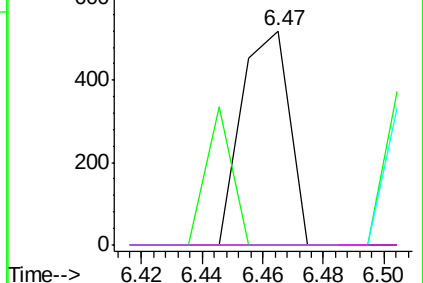


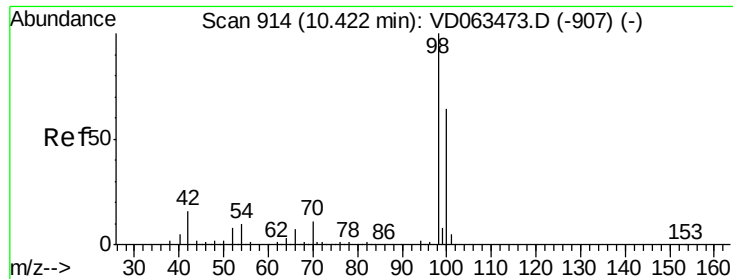
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

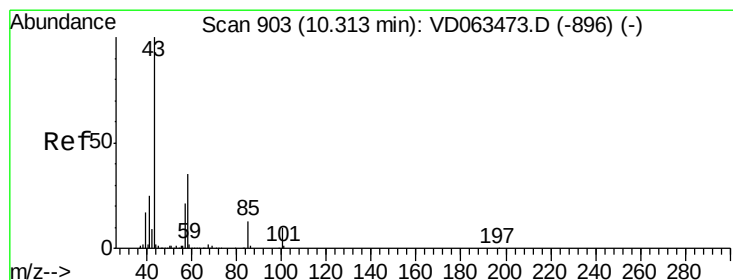
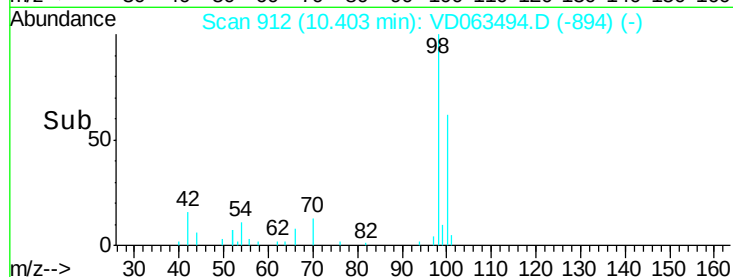
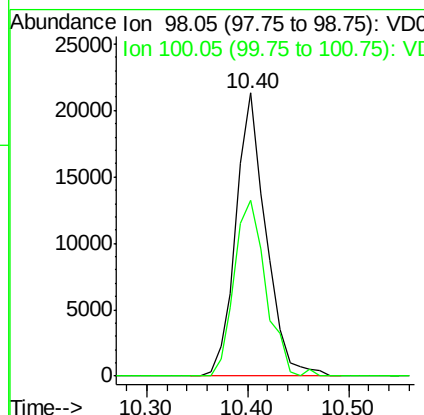
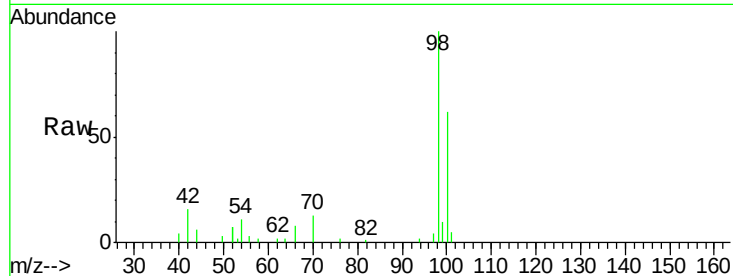




#50
Toluene-d8
Concen: 46.685 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063494.D
Acq: 12 Aug 2019 18:17

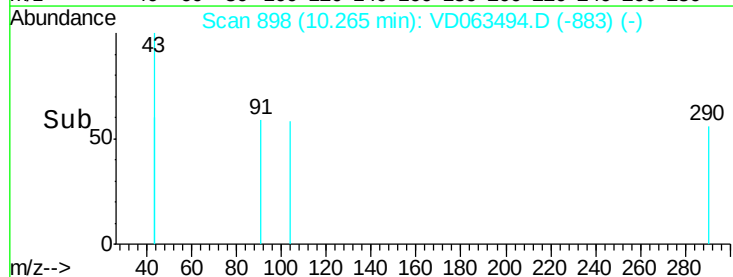
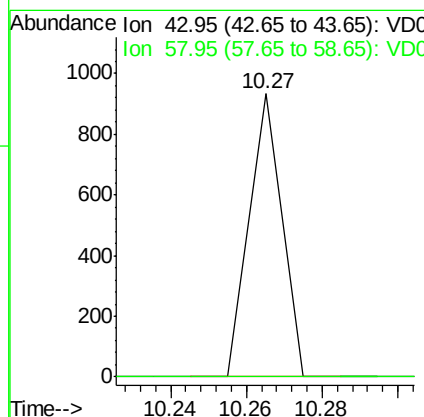
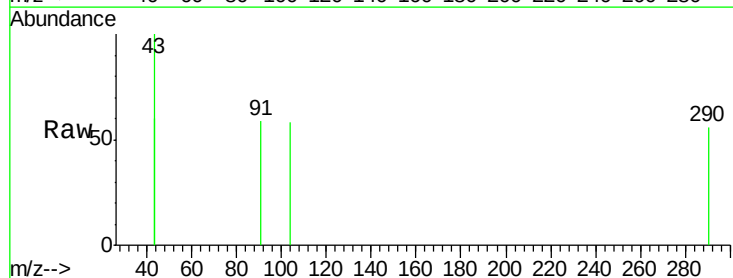
Instrument :
MSVOA_D
ClientSampleId :
RT-5124

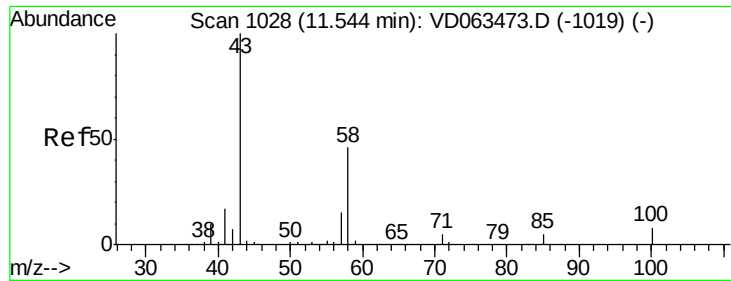
Tot Ion: 98 Resp: 44178
Ion Ratio Lower Upper
98 100
100 62.3 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 3.176 ug/l
RT: 10.27 min Scan# 898
Delta R.T. -0.05 min
Lab File: VD063494.D
Acq: 12 Aug 2019 18:17

Tgt Ion: 43 Resp: 551
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

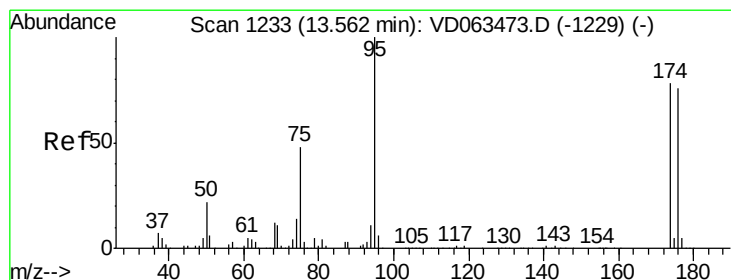
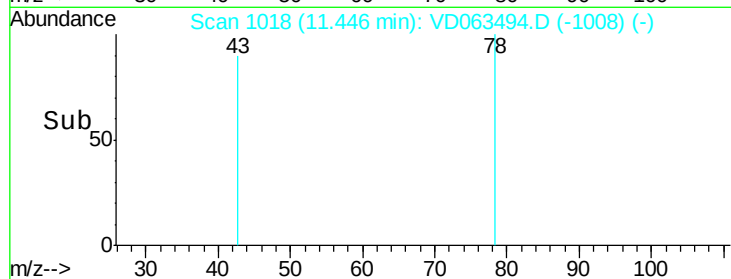
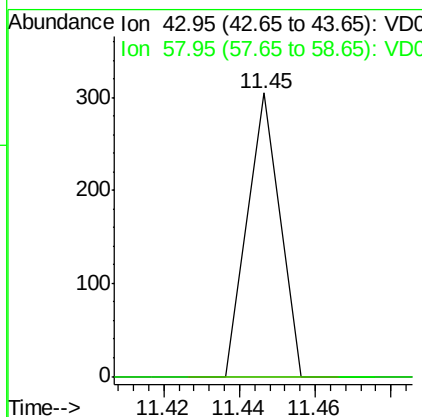
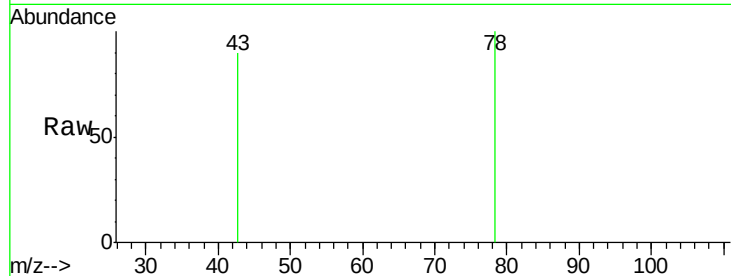




#59
2-Hexanone
Concen: 1.426 ug/l
RT: 11.45 min Scan# 1018
Delta R.T. -0.10 min
Lab File: VD063494.D
Acq: 12 Aug 2019 18:17

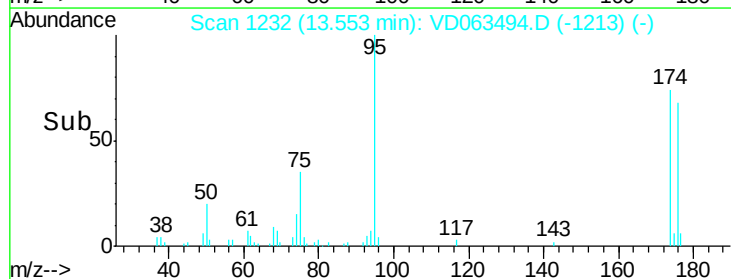
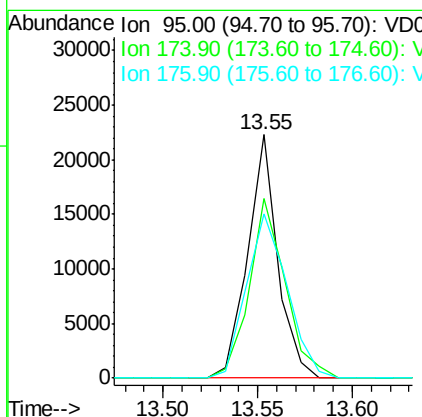
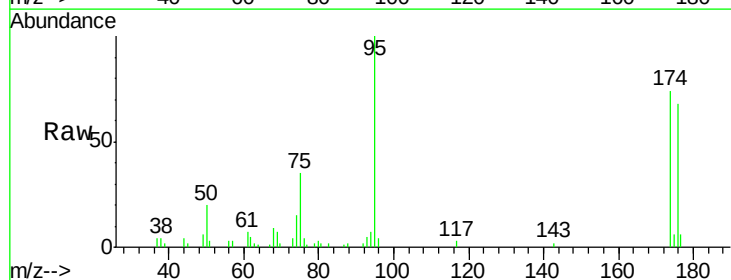
Instrument :
MSVOA_D
ClientSampleId :
RT-5124

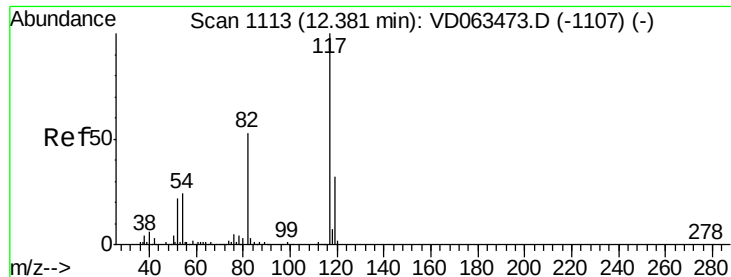
Tot Ion: 43 Resp: 180
Ion Ratio Lower Upper
43 100
58 0.0 23.1 69.2#



#62
4-Bromofluorobenzene
Concen: 56.778 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063494.D
Acq: 12 Aug 2019 18:17

Tgt Ion: 95 Resp: 24352
Ion Ratio Lower Upper
95 100
174 73.6 0.0 155.4
176 67.7 0.0 152.4

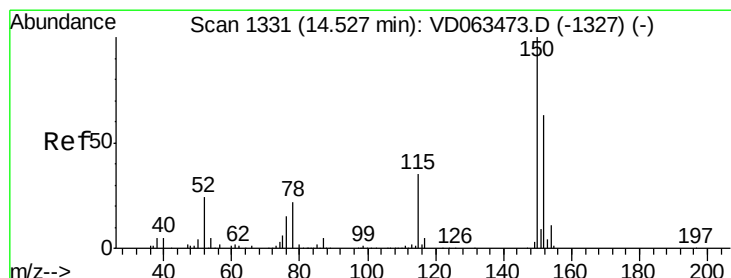
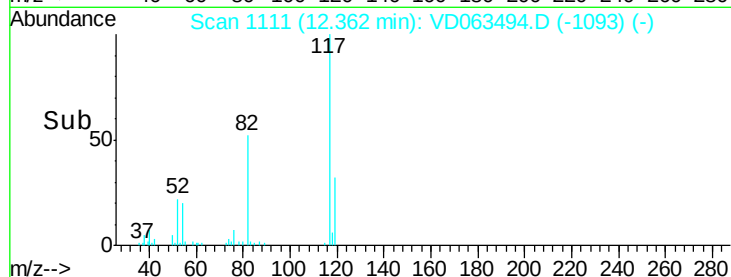
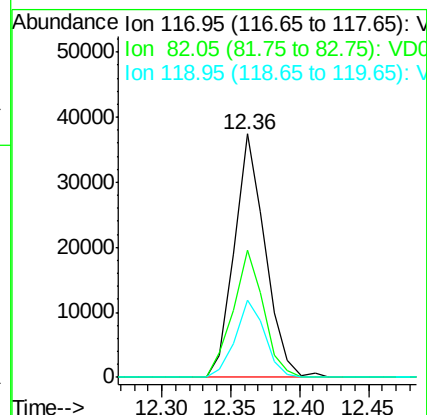
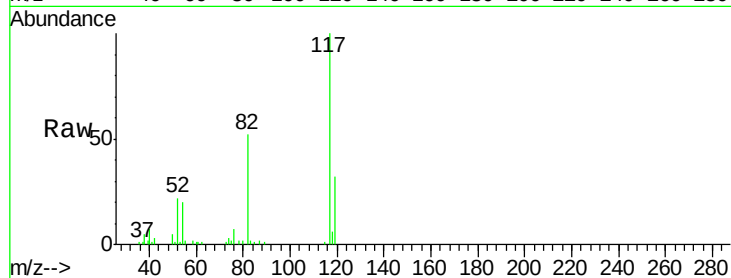




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063494.D
Acq: 12 Aug 2019 18:17

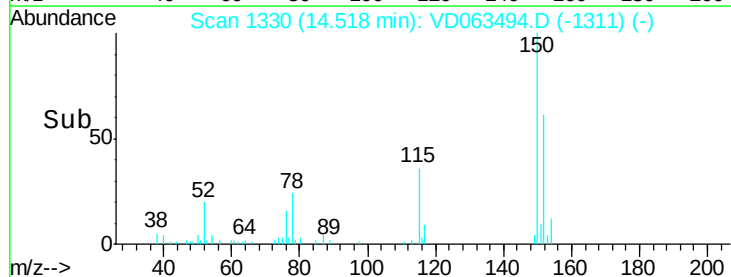
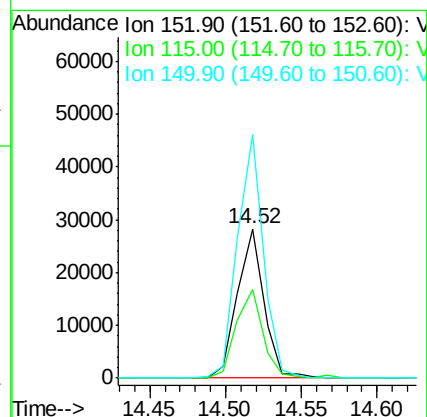
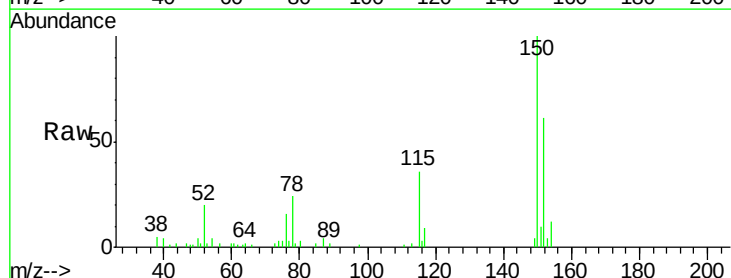
Instrument :
MSVOA_D
ClientSampleId :
RT-5124

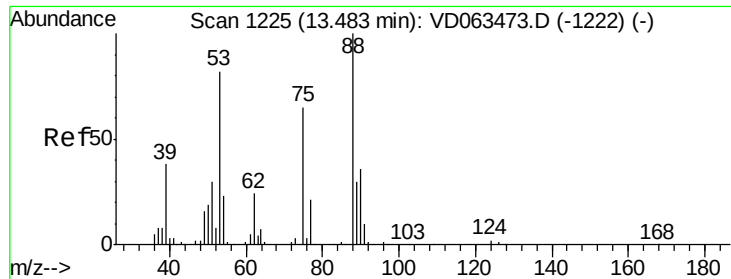
Tot Ion:117 Resp: 58307
Ion Ratio Lower Upper
117 100
82 52.2 42.0 63.0
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063494.D
Acq: 12 Aug 2019 18:17

Tgt Ion:152 Resp: 34492
Ion Ratio Lower Upper
152 100
115 59.4 30.9 92.7
150 163.2 0.0 318.6





#81

trans-1,4-Dichloro-2-butene

Concen: 93.106 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063494.D

Acq: 12 Aug 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

RT-5124

Tot Ion: 75 Resp: 9906

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#

