

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081320\
 Data File : VD066220.D
 Acq On : 13 Aug 2020 19:46
 Operator : VA/SY
 Sample : L3660-01
 Misc : 7.30G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-57

Quant Time: Aug 14 03:04:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	311144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	497066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	606089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	346273	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	132417	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
35) Dibromofluoromethane	7.91	113	153474	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
50) Toluene-d8	10.34	98	612305	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
62) 4-Bromofluorobenzene	12.63	95	296736	70.84	ug/l	0.00
Spiked Amount			Recovery	=	141.68%	

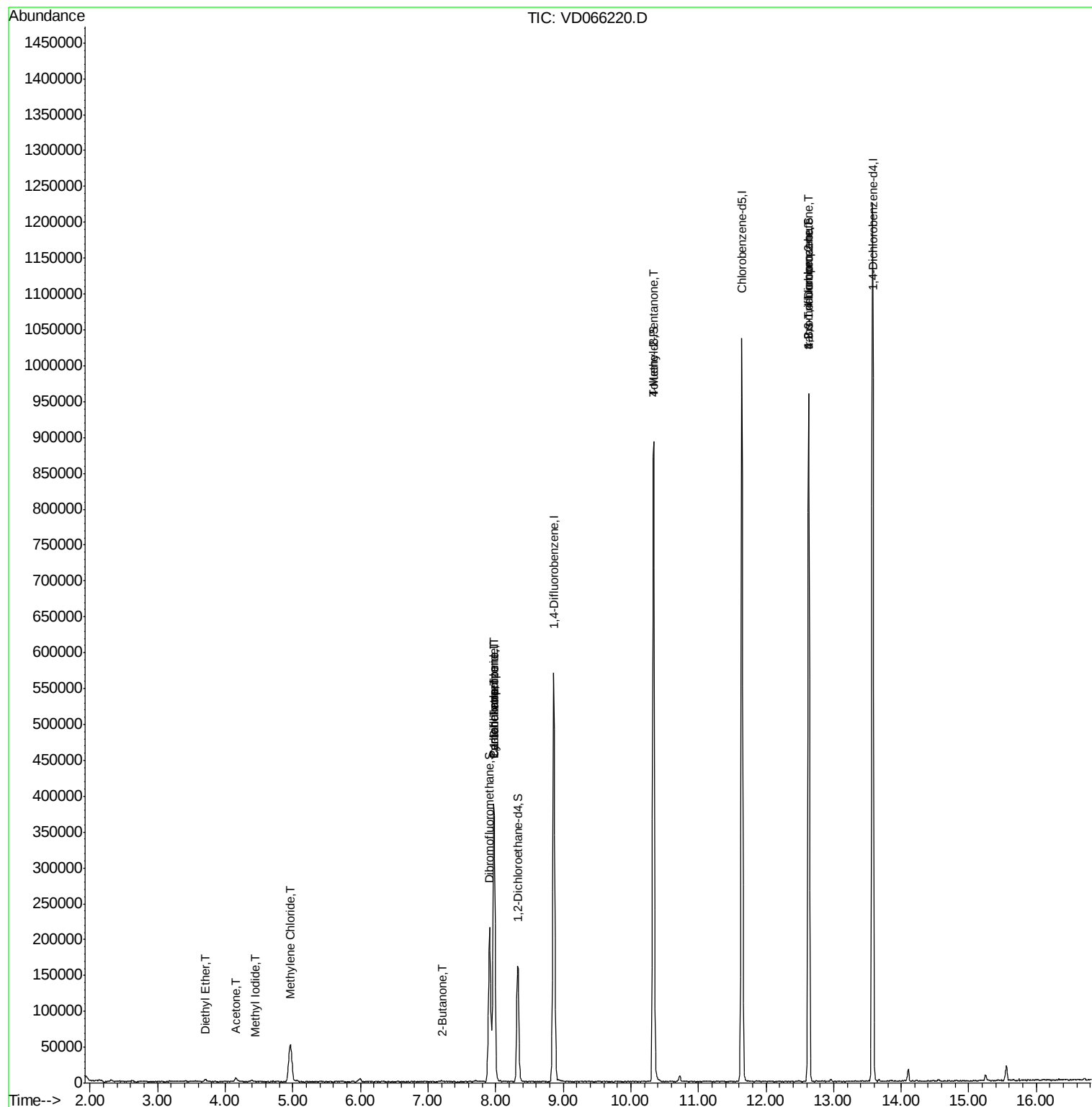
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	1525	1.098	ug/l	99
10) Methyl Iodide	4.45	142	55	6.729	ug/l #	39
11) Tert butyl alcohol	5.22	59	253	Below Cal	#	76
16) Acetone	4.16	43	8714	16.544	ug/l #	87
20) Methylene Chloride	4.96	84	43263	10.630	ug/l #	85
25) 2-Butanone	7.21	43	1206	1.557	ug/l #	47
31) Cyclohexane	7.97	56	5970	1.228	ug/l #	9
36) 1,1-Dichloropropene	7.97	75	19561	4.188	ug/l #	51
38) Carbon Tetrachloride	7.97	117	29446	5.653	ug/l #	14
51) 4-Methyl-2-Pentanone	10.33	43	2605	1.391	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	151760	52.554	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	151760	116.175	ug/l #	13

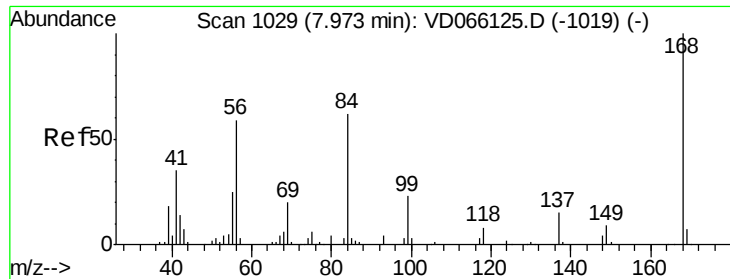
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081320\
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066220.D

Acq: 13 Aug 2020 19:46

Instrument :

MSVOA_D

ClientSampleId :

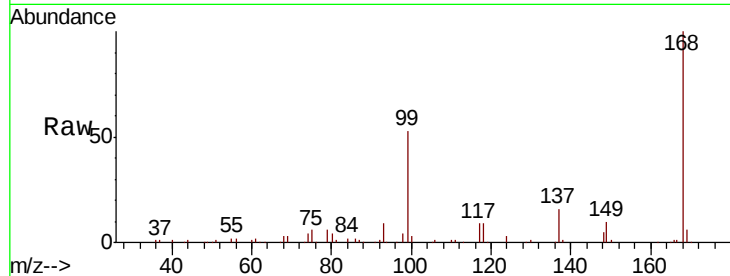
RBR-57

Tot Ion:168 Resp: 311144

Ion Ratio Lower Upper

168 100

99 52.7 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

150000

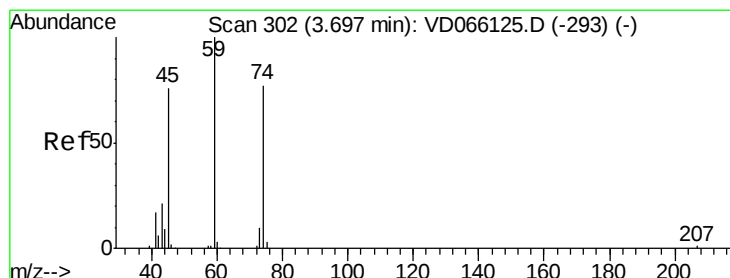
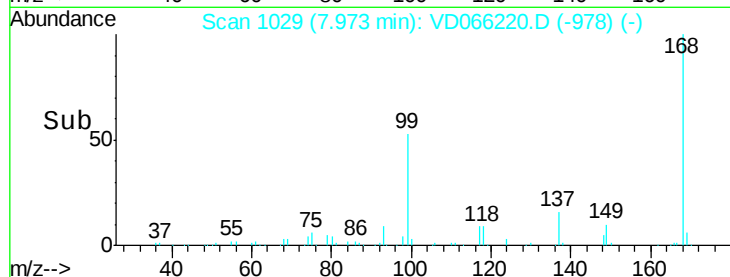
100000

50000

0

Time-->

7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.098 ug/l

RT: 3.70 min Scan# 302

Delta R.T. 0.00 min

Lab File: VD066220.D

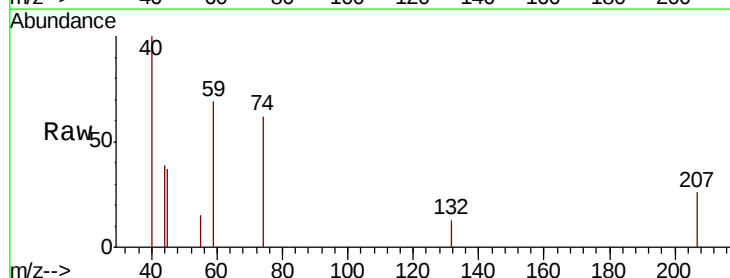
Acq: 13 Aug 2020 19:46

Tgt Ion: 74 Resp: 1525

Ion Ratio Lower Upper

74 100

45 98.0 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

1000

800

600

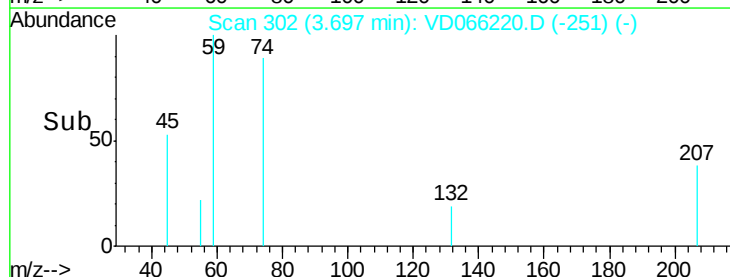
400

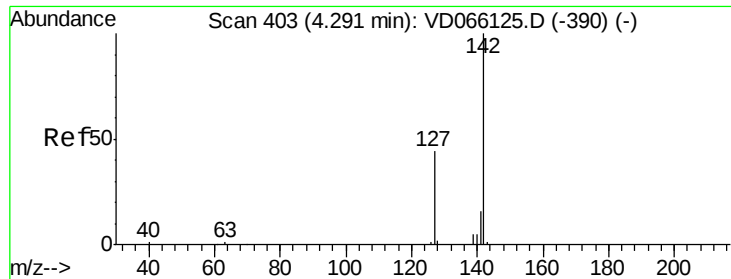
200

0

Time-->

3.65 3.70 3.75

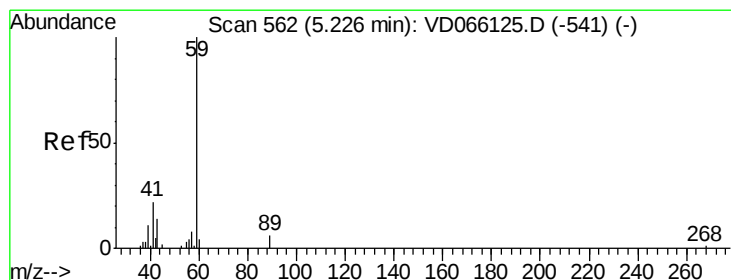
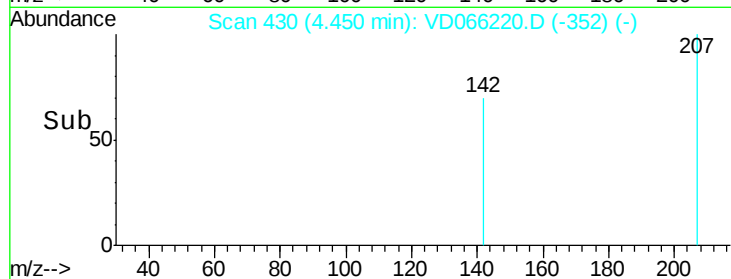
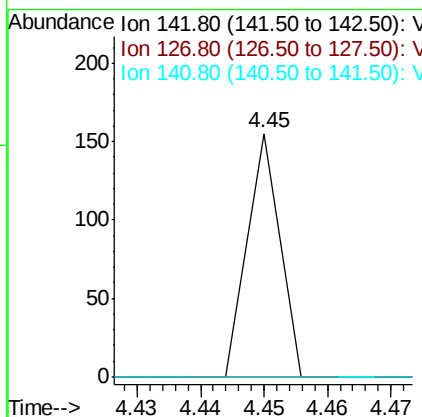
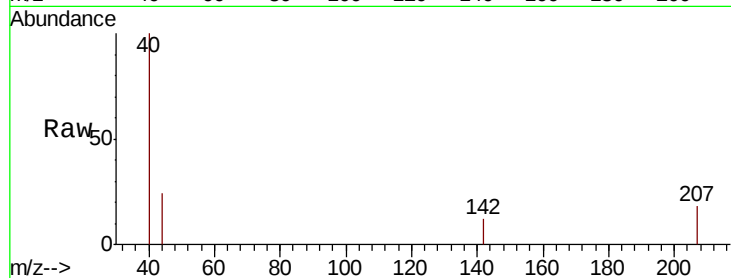




#10
Methyl Iodide
Concen: 6.729 ug/l
RT: 4.45 min Scan# 430
Delta R.T. 0.16 min
Lab File: VD066220.D
Acq: 13 Aug 2020 19:46

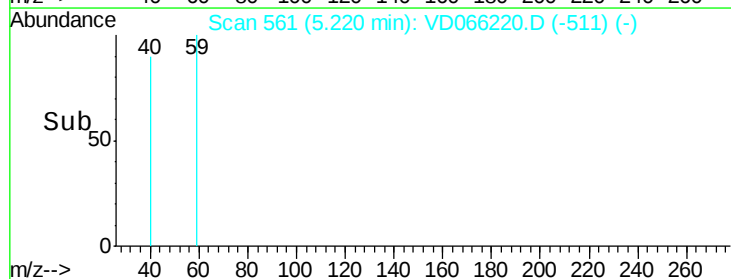
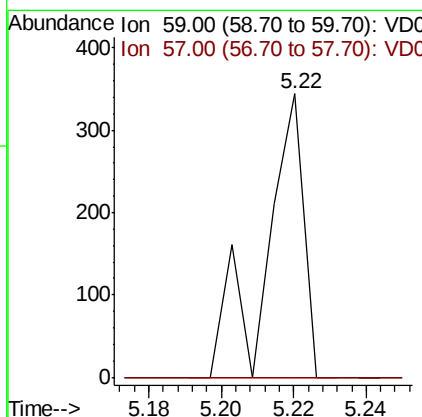
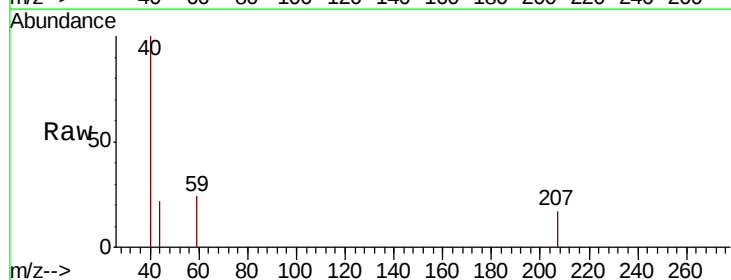
Instrument :
MSVOA_D
ClientSampled :
RBR-57

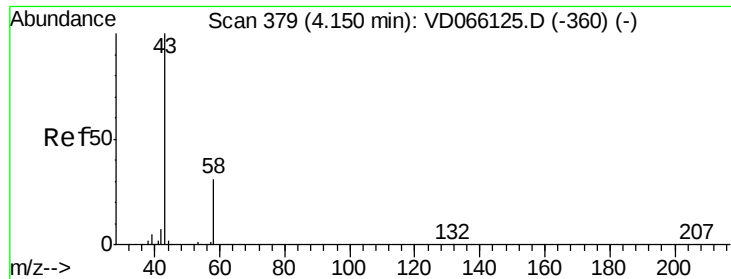
Tot Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.4#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD066220.D
Acq: 13 Aug 2020 19:46

Tgt Ion: 59 Resp: 253
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#





#16

Acetone

Concen: 16.544 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066220.D

Acq: 13 Aug 2020 19:46

Instrument :

MSVOA_D

ClientSampleId :

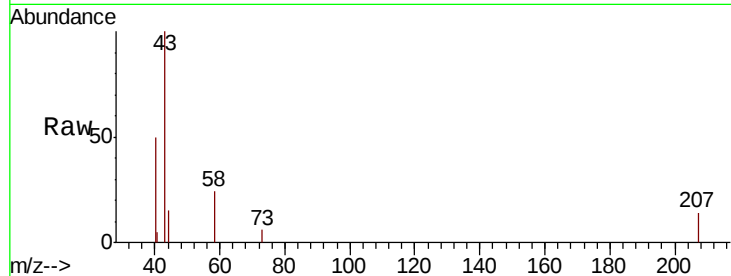
RBR-57

Tot Ion: 43 Resp: 8714

Ion Ratio Lower Upper

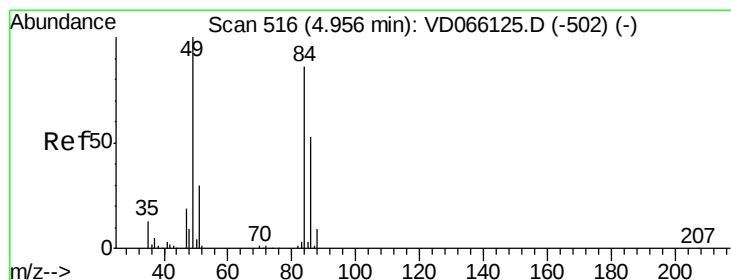
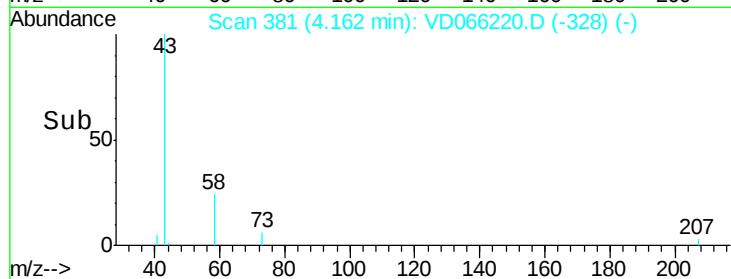
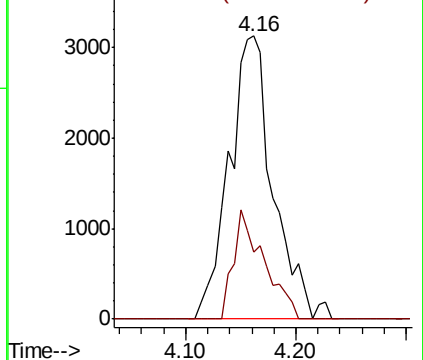
43 100

58 23.7 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 10.630 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD066220.D

Acq: 13 Aug 2020 19:46

Tgt Ion: 84 Resp: 43263

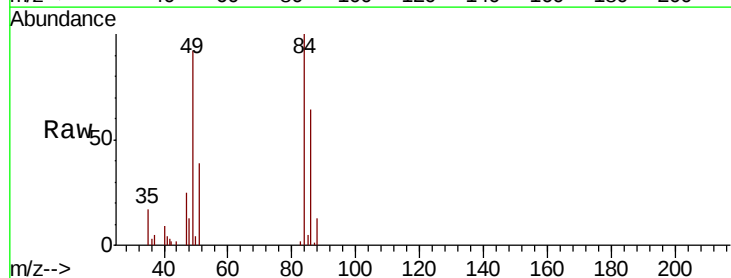
Ion Ratio Lower Upper

84 100

49 90.4 93.5 140.3#

51 39.3 28.2 42.4

86 63.6 49.5 74.3

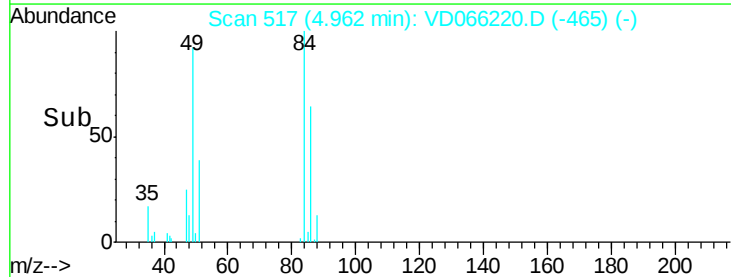
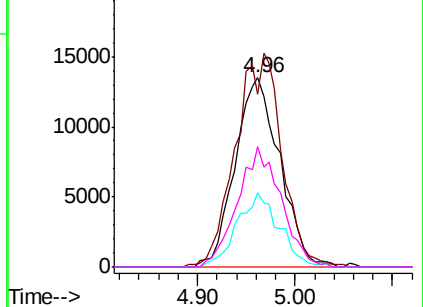


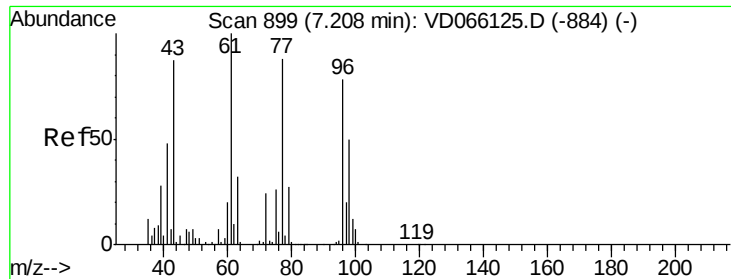
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

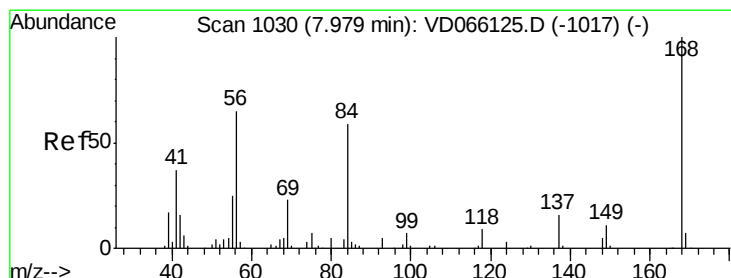
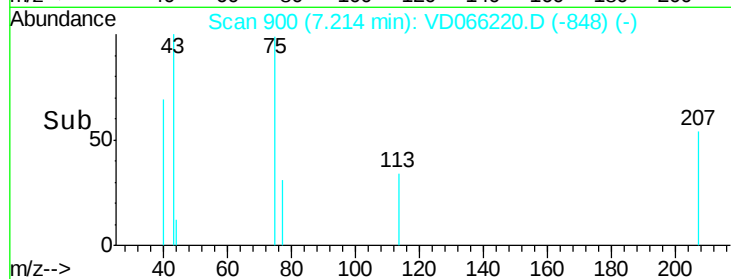
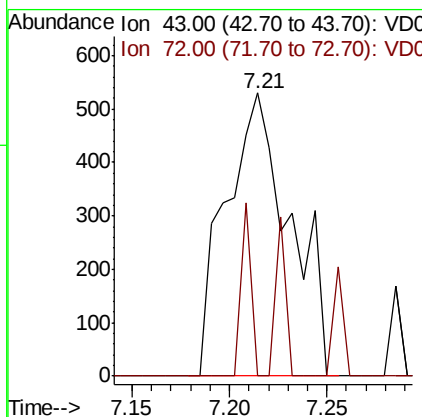
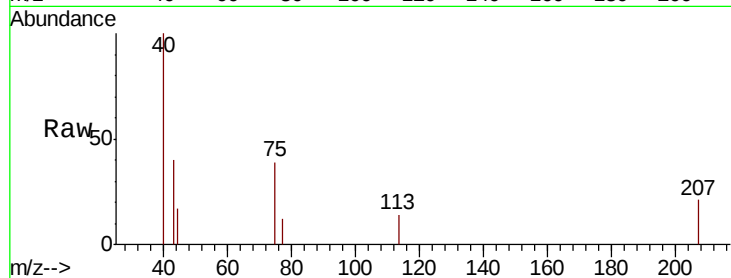




#25
2-Butanone
Concen: 1.557 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066220.D
Acq: 13 Aug 2020 19:46

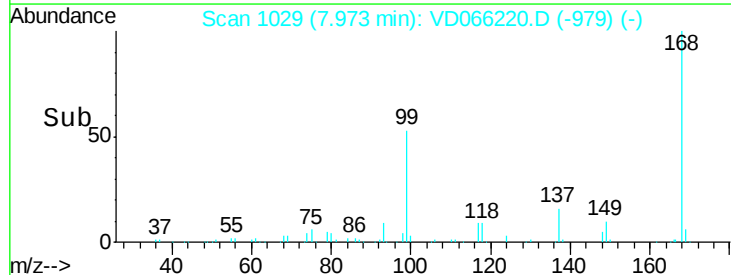
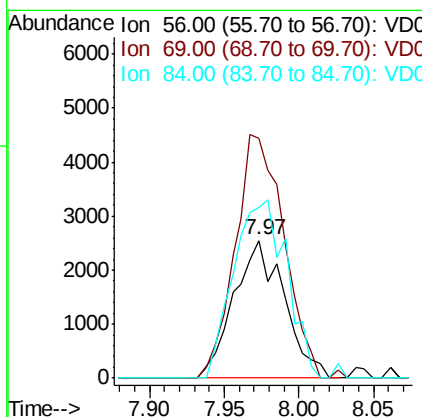
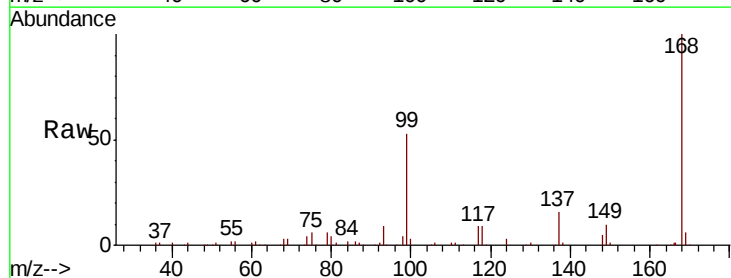
Instrument :
MSVOA_D
ClientSampleId :
RBR-57

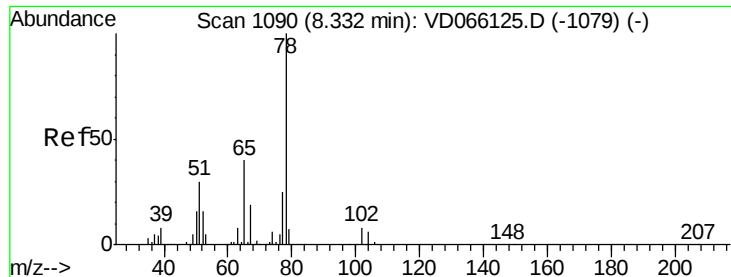
Tot Ion: 43 Resp: 1206
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.2#



#31
Cyclohexane
Concen: 1.228 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066220.D
Acq: 13 Aug 2020 19:46

Tgt Ion: 56 Resp: 5970
Ion Ratio Lower Upper
56 100
69 173.5 28.8 43.2#
84 123.6 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 47.703 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066220.D

Acq: 13 Aug 2020 19:46

Instrument :

MSVOA_D

ClientSampleId :

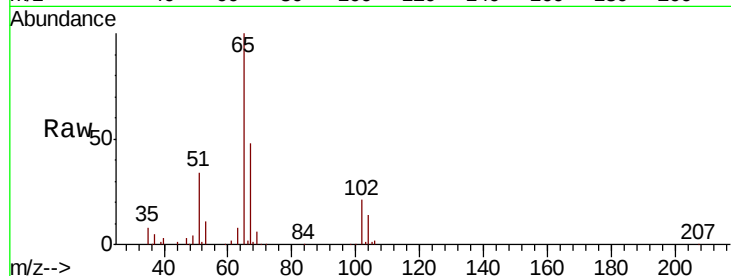
RBR-57

Tot Ion: 65 Resp: 132417

Ion Ratio Lower Upper

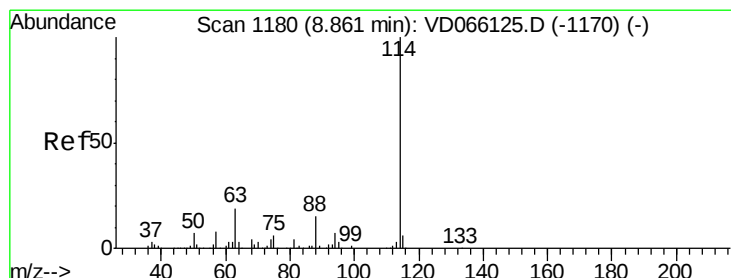
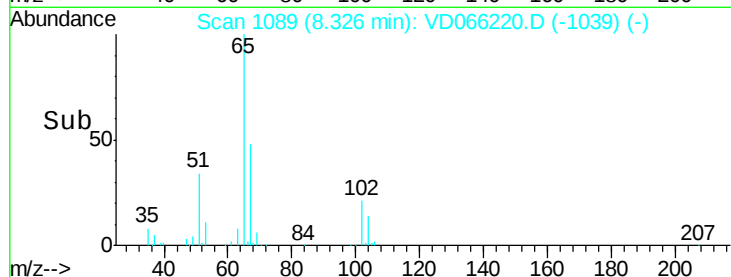
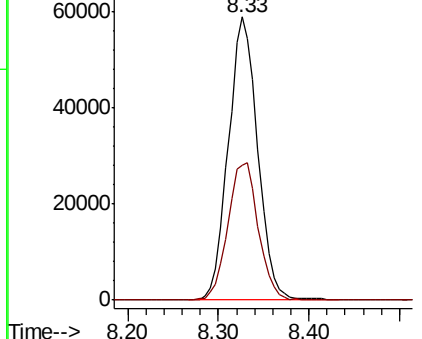
65 100

67 50.4 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066220.D

Acq: 13 Aug 2020 19:46

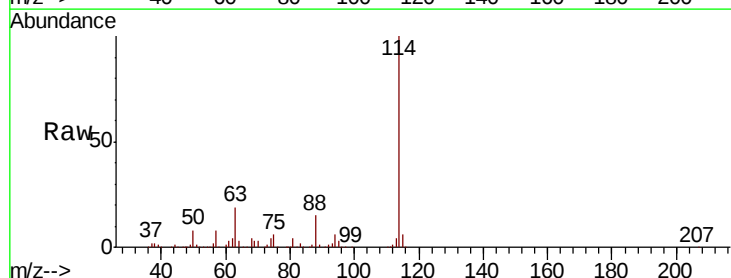
Tgt Ion: 114 Resp: 497066

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

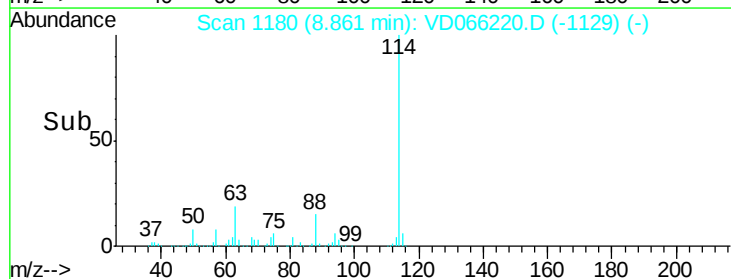
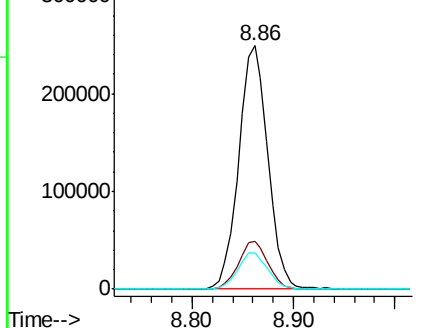
88 15.0 0.0 30.0

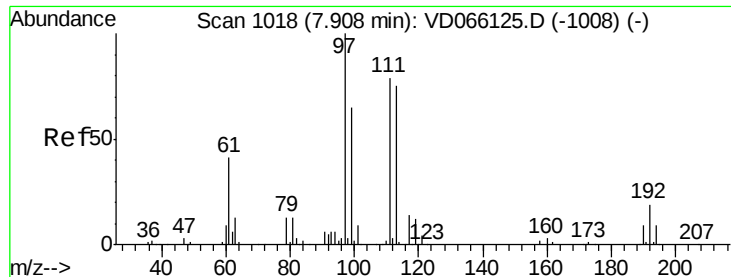


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

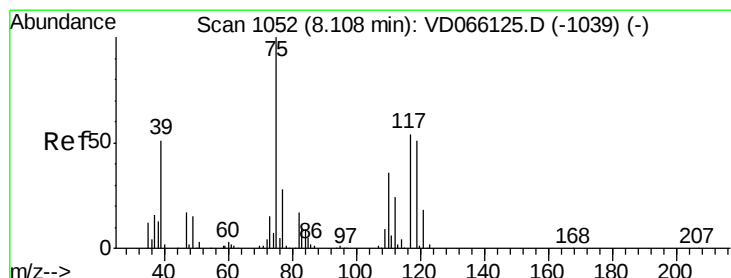
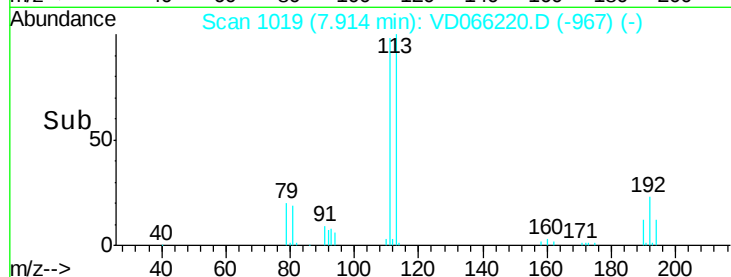
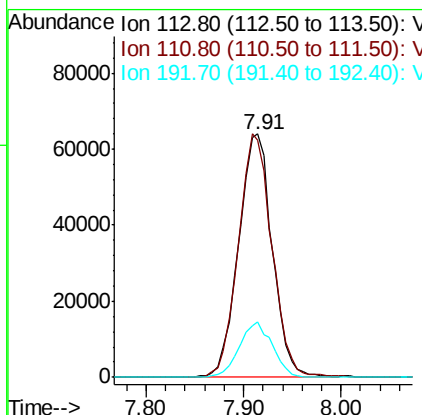
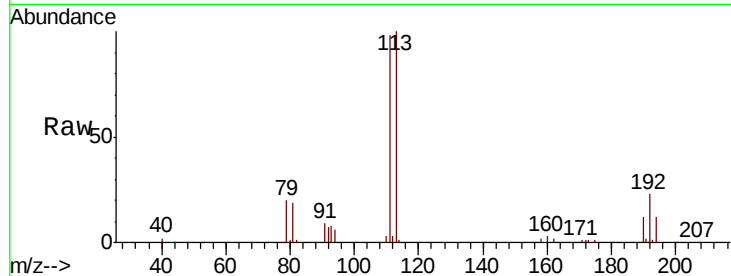




#35
 Dibromofluoromethane
 Concen: 48.739 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066220.D
 Acq: 13 Aug 2020 19:46

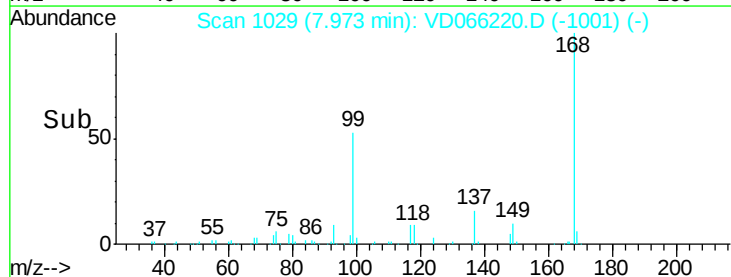
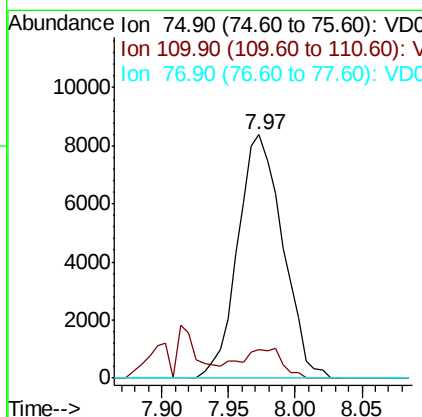
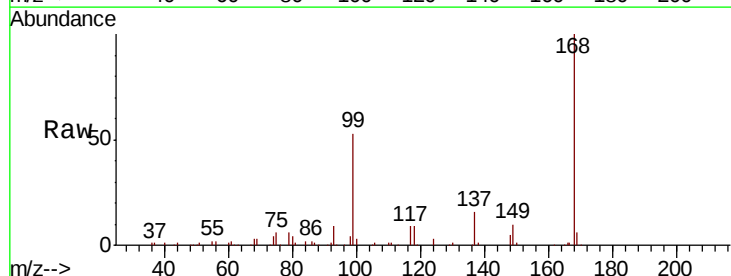
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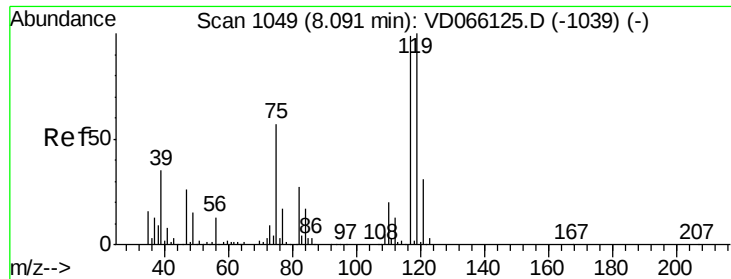
Tot Ion:113 Resp: 153474
 Ion Ratio Lower Upper
 113 100
 111 100.1 80.7 121.1
 192 22.2 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 4.188 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066220.D
 Acq: 13 Aug 2020 19:46

Tgt Ion: 75 Resp: 19561
 Ion Ratio Lower Upper
 75 100
 110 11.6 18.8 56.3#
 77 0.0 24.2 36.2#

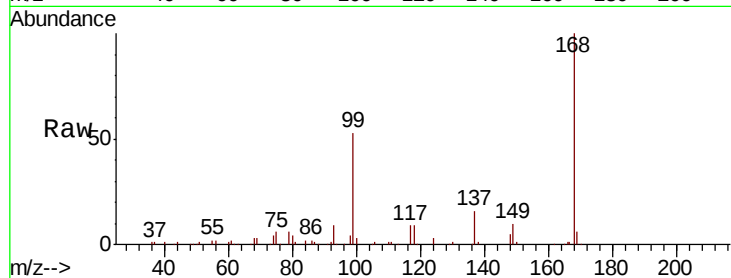




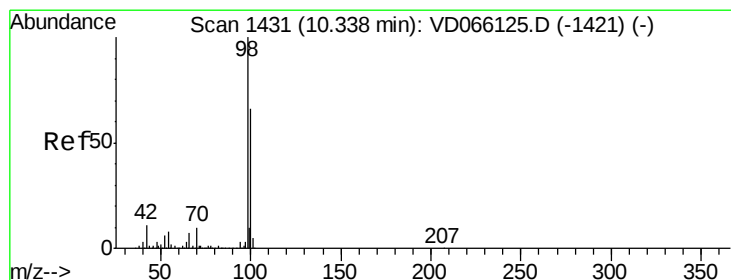
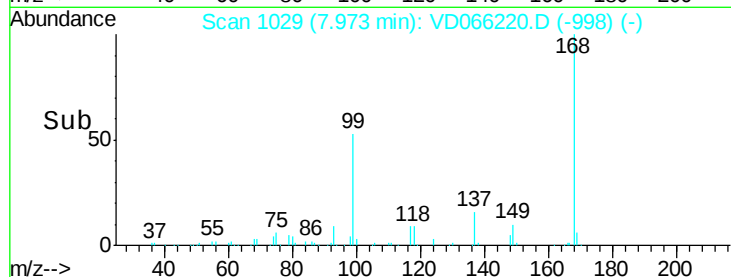
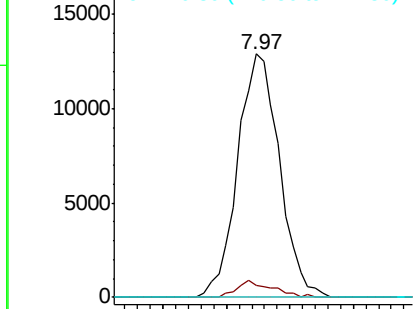
#38
Carbon Tetrachloride
Concen: 5.653 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066220.D
Acq: 13 Aug 2020 19:46

Instrument :
MSVOA_D
ClientSampleId :
RBR-57

Tot Ion:117 Resp: 29446
Ion Ratio Lower Upper
117 100
119 4.8 81.0 121.4#
121 0.0 24.8 37.2#

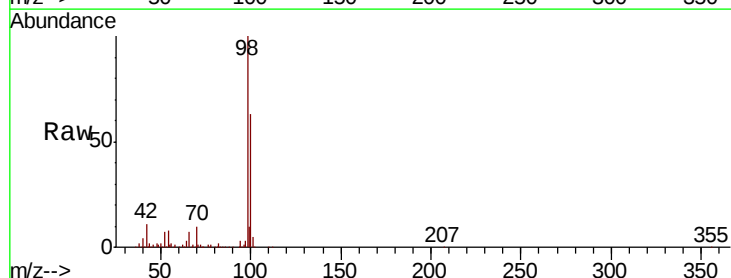


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

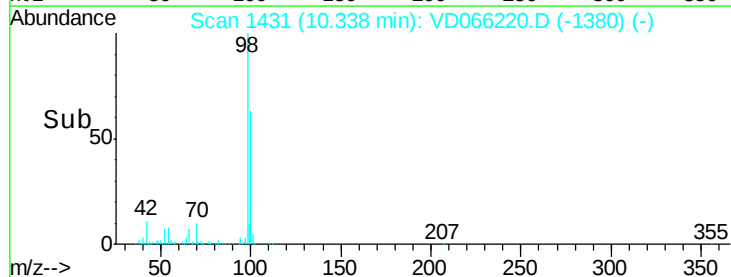
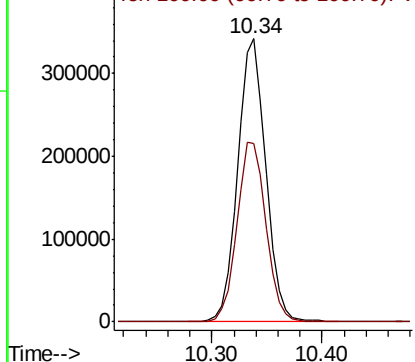


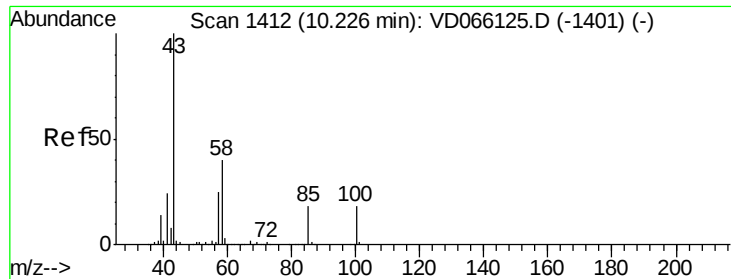
#50
Toluene-d8
Concen: 52.694 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066220.D
Acq: 13 Aug 2020 19:46

Tgt Ion: 98 Resp: 612305
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD





#51

4-Methyl-2-Pentanone

Concen: 1.391 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066220.D

Acq: 13 Aug 2020 19:46

Instrument :

MSVOA_D

ClientSampleId :

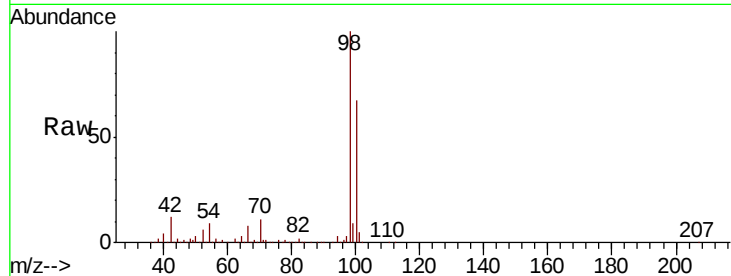
RBR-57

Tot Ion: 43 Resp: 2605

Ion Ratio Lower Upper

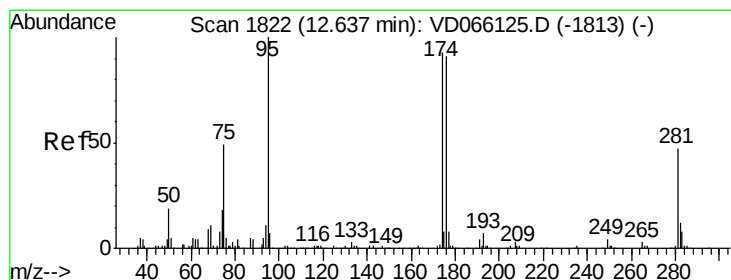
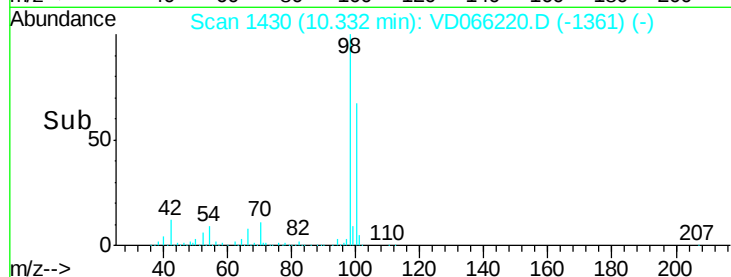
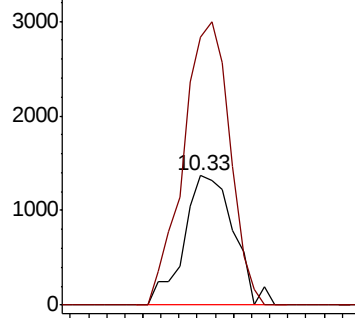
43 100

58 205.6 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 70.844 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066220.D

Acq: 13 Aug 2020 19:46

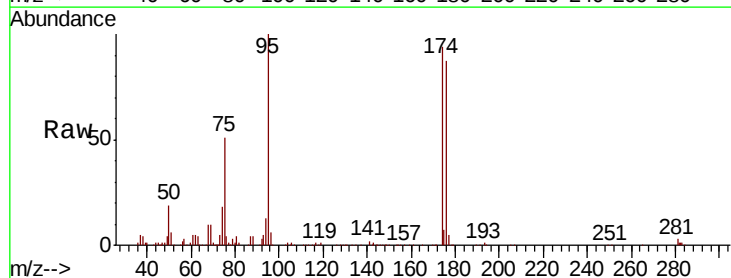
Tgt Ion: 95 Resp: 296736

Ion Ratio Lower Upper

95 100

174 92.4 0.0 180.8

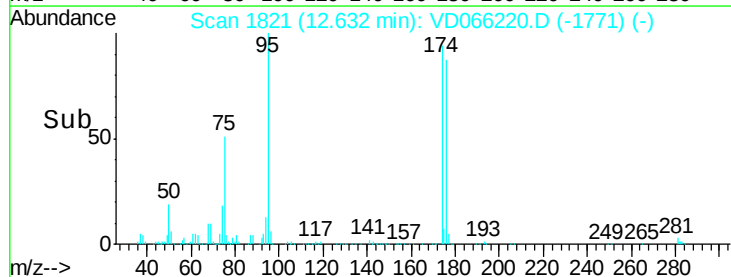
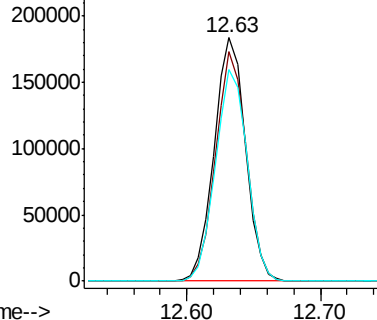
176 88.1 0.0 181.2

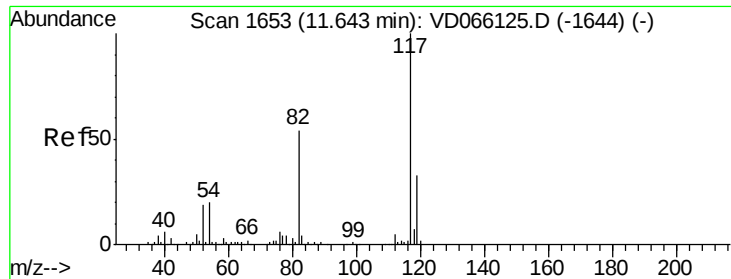


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

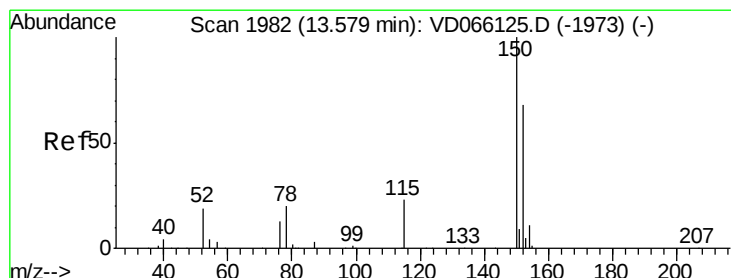
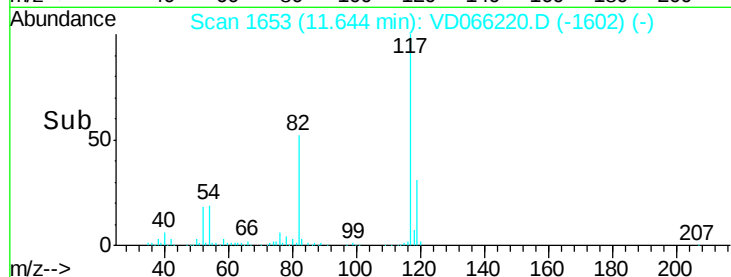
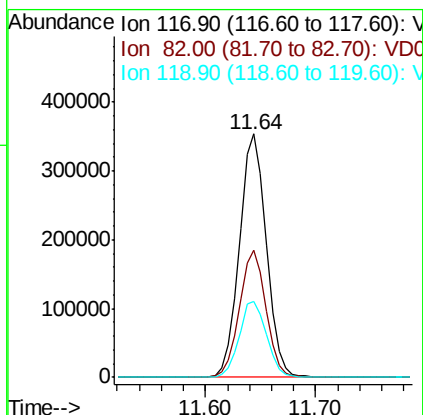
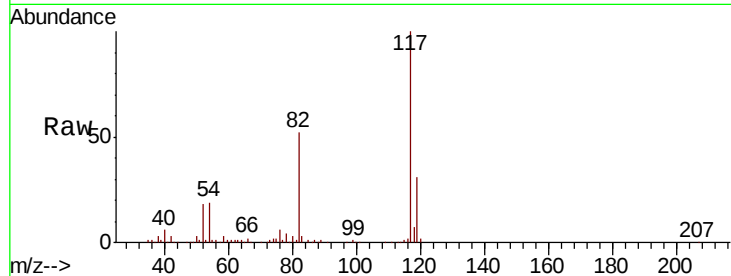




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066220.D
Acq: 13 Aug 2020 19:46

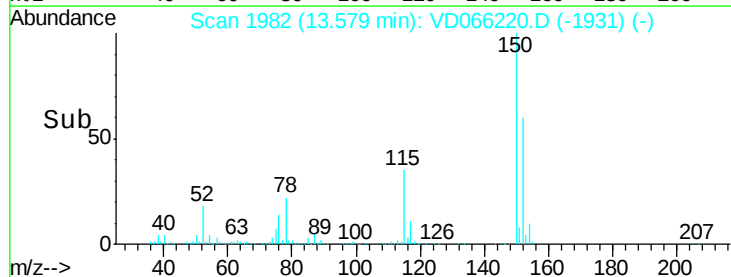
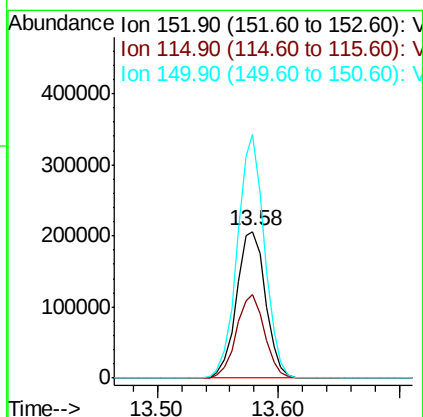
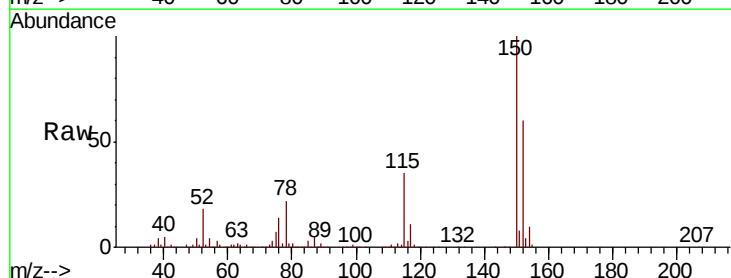
Instrument :
MSVOA_D
ClientSampleId :
RBR-57

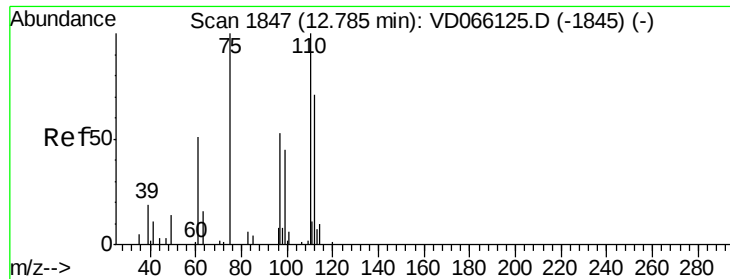
Tot Ion:117 Resp: 606089
Ion Ratio Lower Upper
117 100
82 52.4 43.0 64.4
119 31.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066220.D
Acq: 13 Aug 2020 19:46

Tgt Ion:152 Resp: 346273
Ion Ratio Lower Upper
152 100
115 55.1 28.0 83.9
150 154.9 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 52.554 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066220.D

Acq: 13 Aug 2020 19:46

Instrument :

MSVOA_D

ClientSampled :

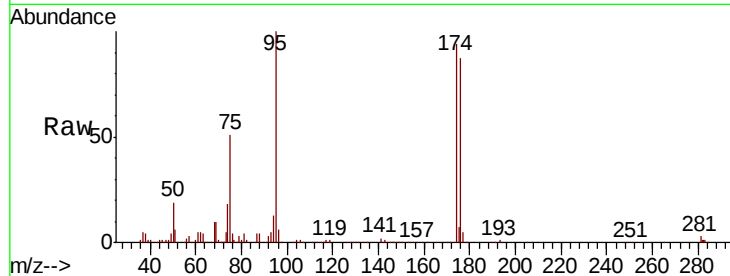
RBR-57

Tot Ion: 75 Resp: 151760

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

100000

80000

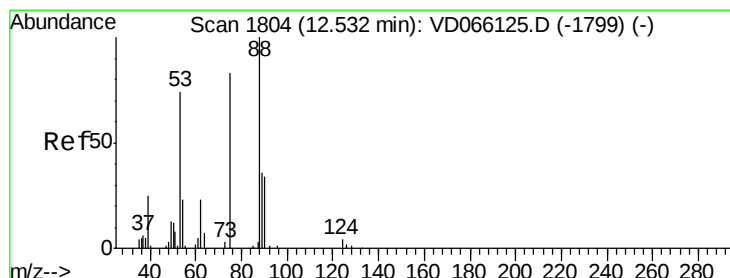
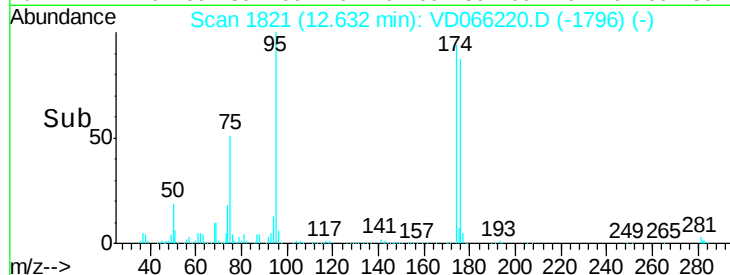
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 116.175 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066220.D

Acq: 13 Aug 2020 19:46

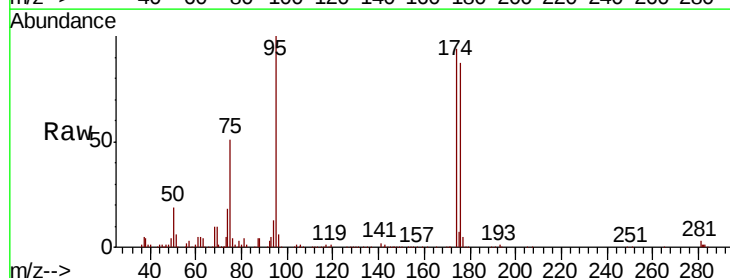
Tgt Ion: 75 Resp: 151760

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

12.63

120000

100000

80000

60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

