

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066470.D
 Acq On : 28 Aug 2020 19:58
 Operator : VA/SY
 Sample : L3828-04
 Misc : 7.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BS-3

Quant Time: Aug 29 00:48:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	176829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	245358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	228411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	127316	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	91960	53.05	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.91	113	76095	49.60	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.34	98	288565	51.40	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.63	95	110286	55.37	ug/l	0.00
Spiked Amount						

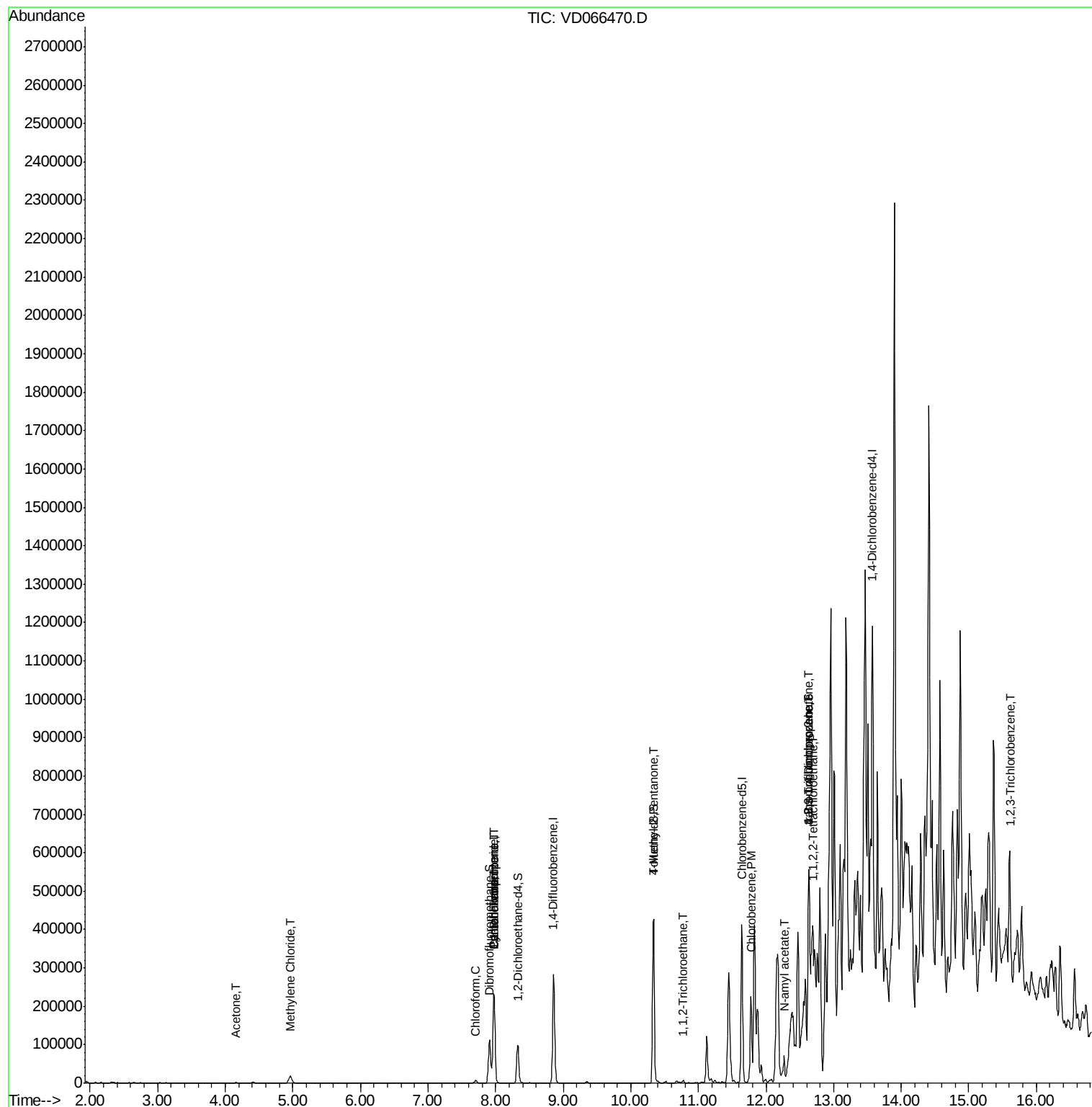
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	1066	Below Cal	#	71
16) Acetone	4.16	43	2291	7.330	ug/l #	76
20) Methylene Chloride	4.96	84	14260	2.526	ug/l #	80
30) Chloroform	7.70	83	5486	1.802	ug/l #	80
31) Cyclohexane	7.98	56	3857	1.602	ug/l #	29
36) 1,1-Dichloropropene	7.97	75	11672	5.214	ug/l #	55
38) Carbon Tetrachloride	7.97	117	17442	5.980	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	1521	2.057	ug/l #	1
55) 1,1,2-Trichloroethane	10.77	97	2772	2.463	ug/l #	25
65) Chlorobenzene	11.77	112	5333	1.174	ug/l #	43
74) N-amyl acetate	12.27	43	9844	6.391	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.70	83	22292	18.297	ug/l #	26
76) 1,2,3-Trichloropropane	12.63	75	65218	72.814	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	65218	154.562	ug/l #	11
96) 1,2,3-Trichlorobenzene	15.61	180	3765	1.618	ug/l #	15

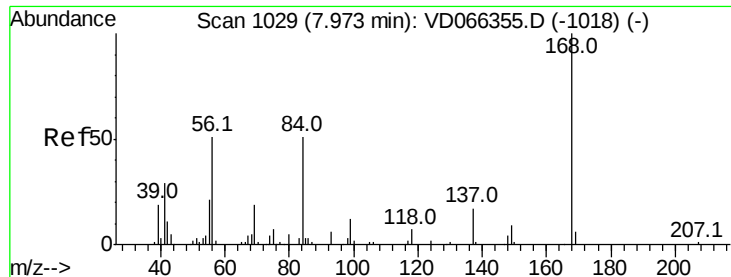
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082820\
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Instrument :
MSVOA_D
ClientSampled :
BS-3

Quant Time: Aug 29 00:48:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066470.D

Acq: 28 Aug 2020 19:58

Instrument :

MSVOA_D

ClientSampleId :

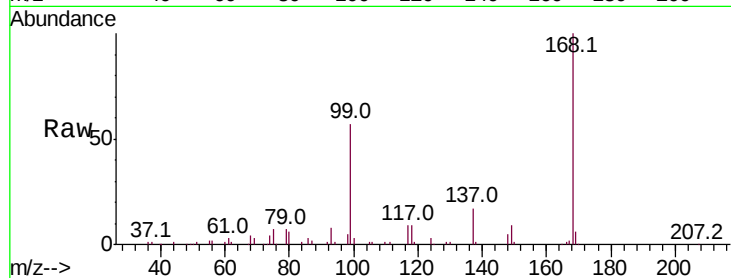
BS-3

Tot Ion:168 Resp: 176829

Ion Ratio Lower Upper

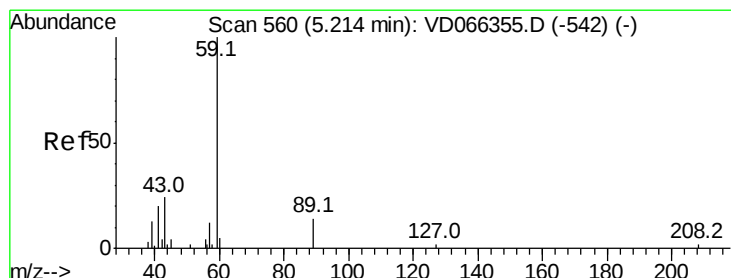
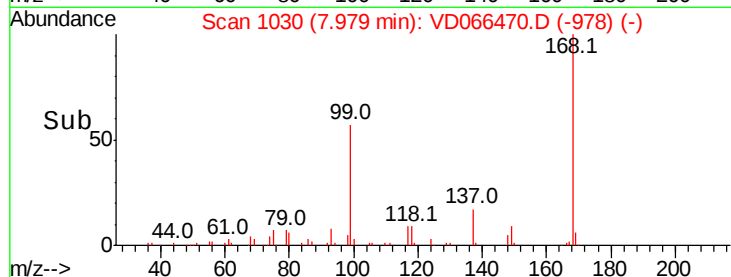
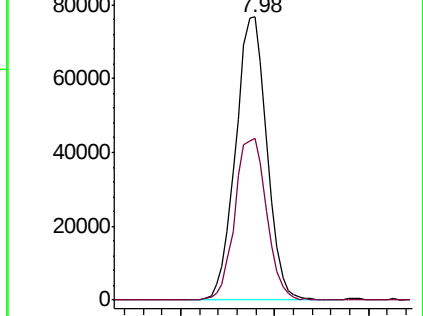
168 100

99 57.1 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD066470.D

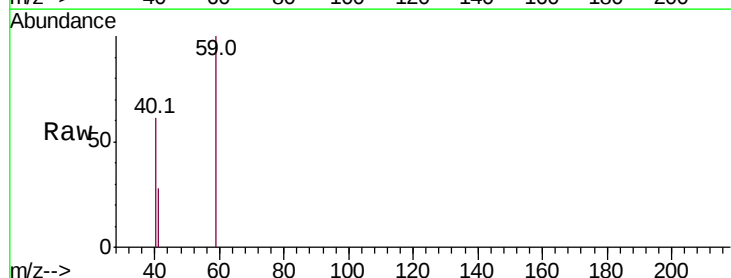
Acq: 28 Aug 2020 19:58

Tgt Ion: 59 Resp: 1066

Ion Ratio Lower Upper

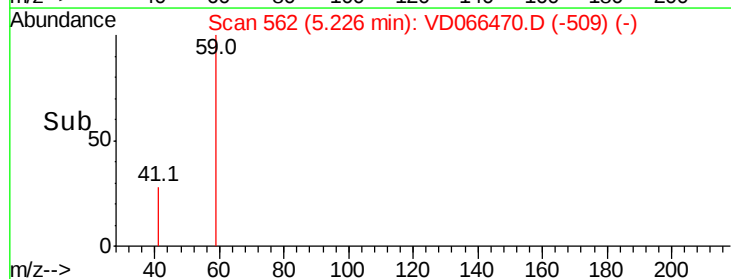
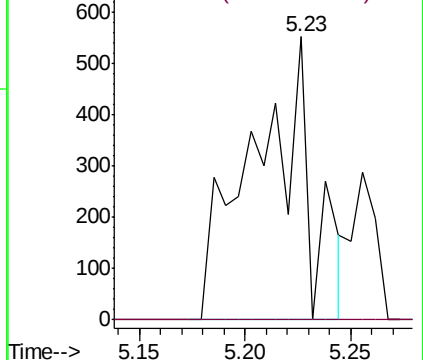
59 100

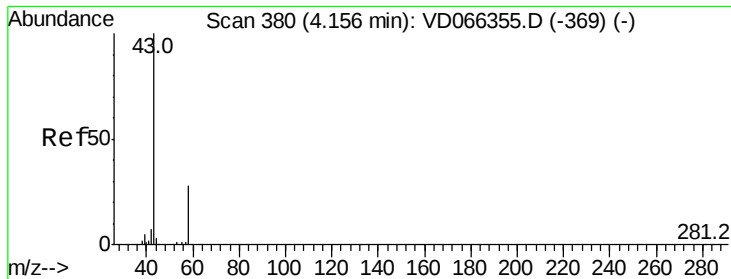
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 7.330 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066470.D

Acq: 28 Aug 2020 19:58

Instrument :

MSVOA_D

ClientSampleId :

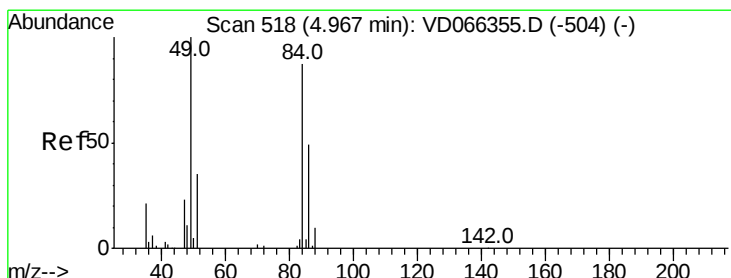
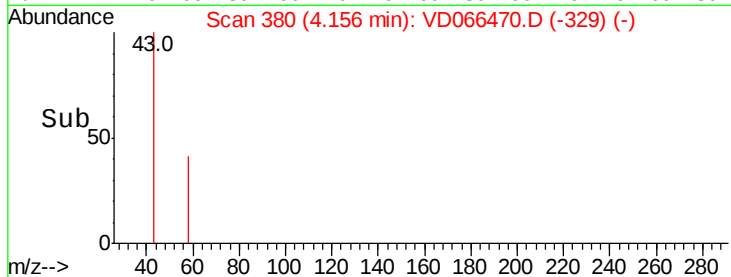
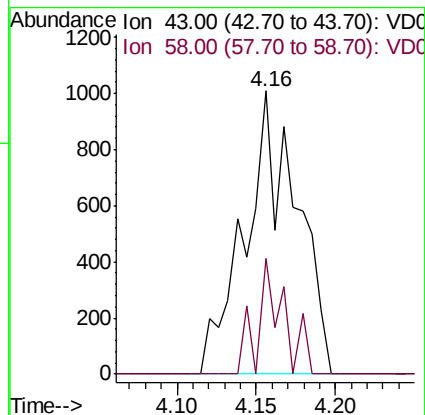
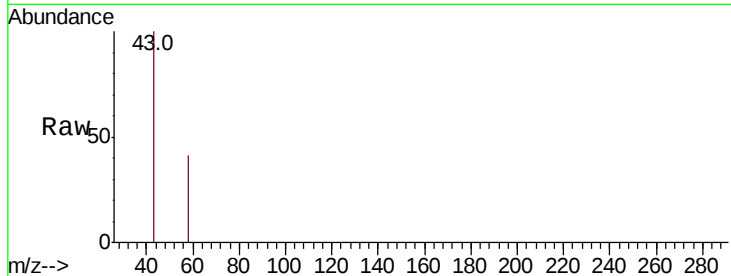
BS-3

Tot Ion: 43 Resp: 2291

Ion Ratio Lower Upper

43 100

58 40.9 22.7 34.1#



#20

Methylene Chloride

Concen: 2.526 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066470.D

Acq: 28 Aug 2020 19:58

Tgt Ion: 84 Resp: 14260

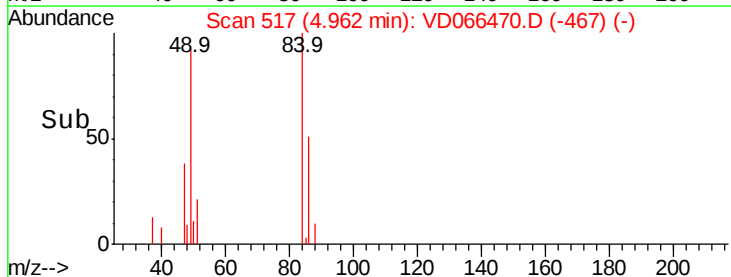
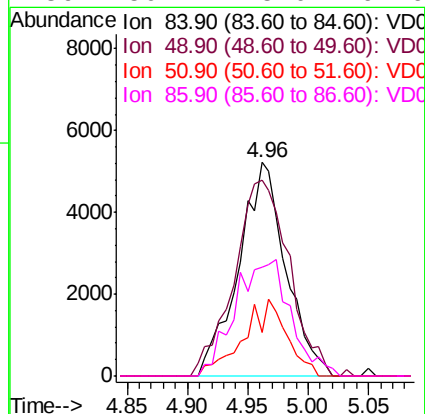
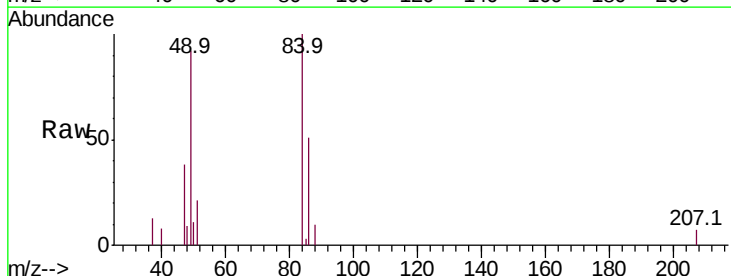
Ion Ratio Lower Upper

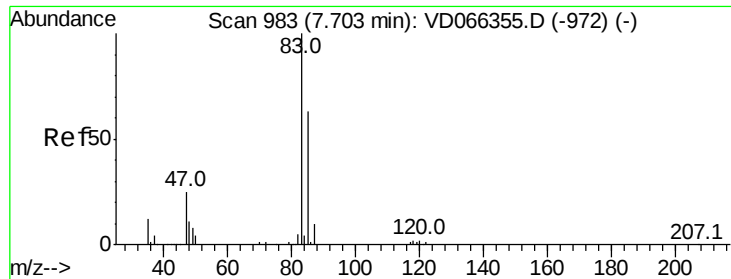
84 100

49 91.6 92.5 138.7#

51 20.5 32.5 48.7#

86 50.7 45.0 67.6

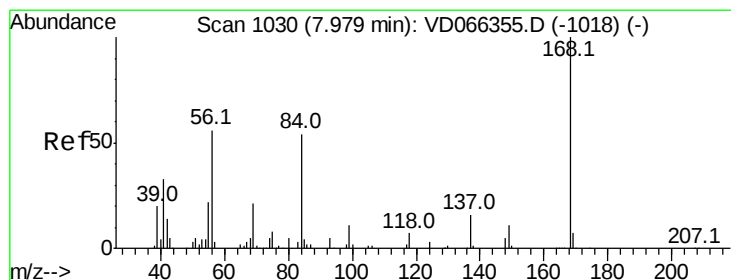
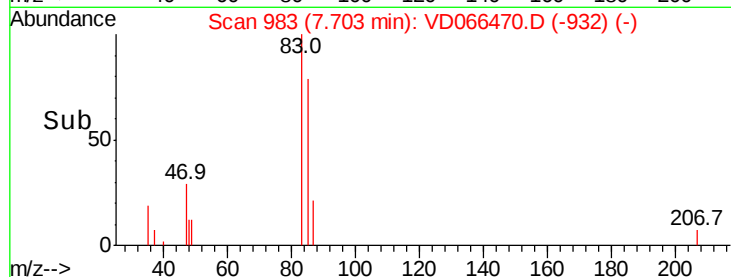
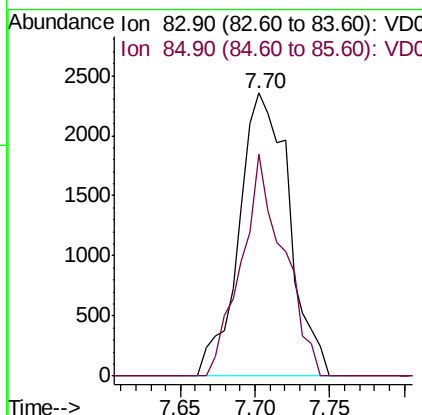
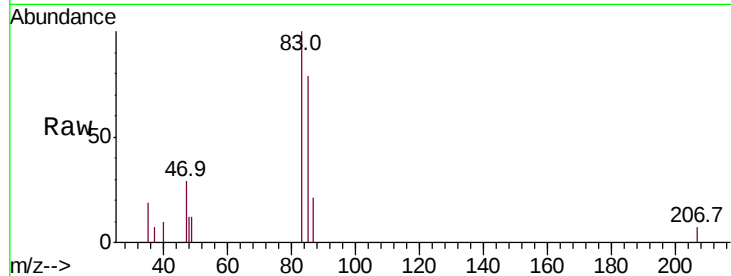




#30
Chloroform
Concen: 1.802 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066470.D
Acq: 28 Aug 2020 19:58

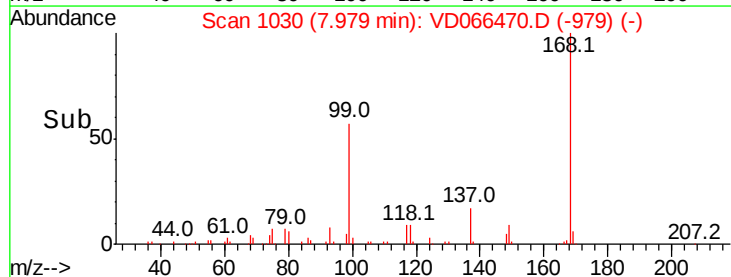
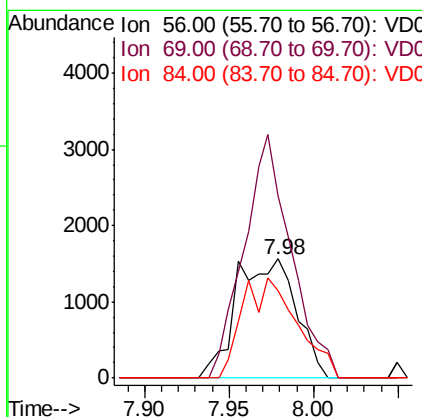
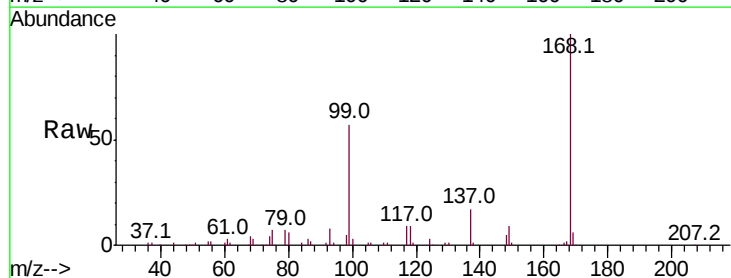
Instrument :
MSVOA_D
ClientSampled :
BS-3

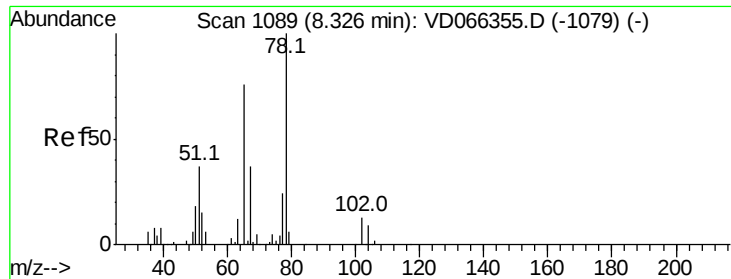
Tot Ion: 83 Resp: 5486
Ion Ratio Lower Upper
83 100
85 78.6 50.3 75.5#



#31
Cyclohexane
Concen: 1.602 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066470.D
Acq: 28 Aug 2020 19:58

Tgt Ion: 56 Resp: 3857
Ion Ratio Lower Upper
56 100
69 153.0 29.6 44.4#
84 73.3 76.6 115.0#

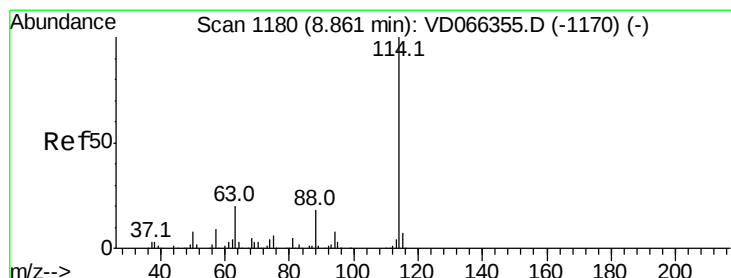
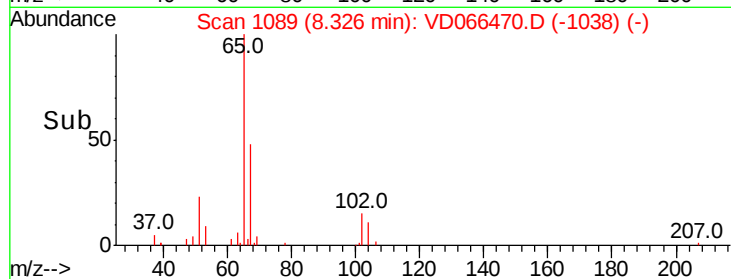
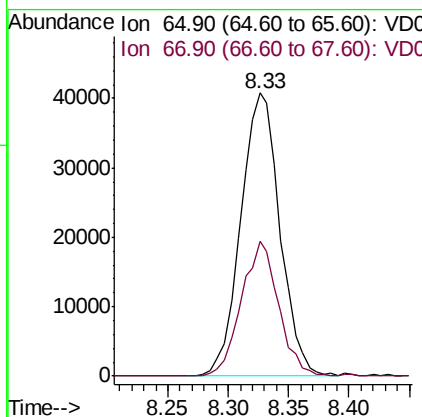
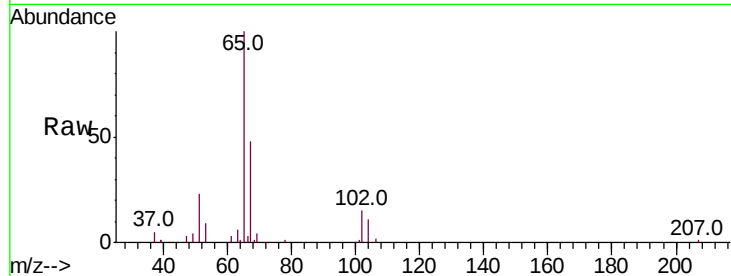




#33
 1,2-Dichloroethane-d4
 Concen: 53.045 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066470.D
 Acq: 28 Aug 2020 19:58

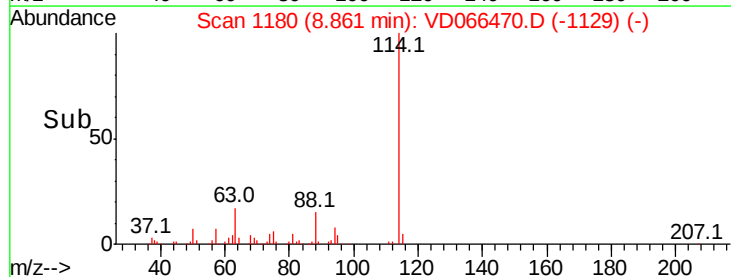
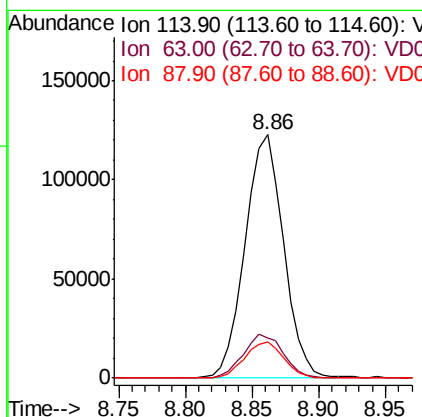
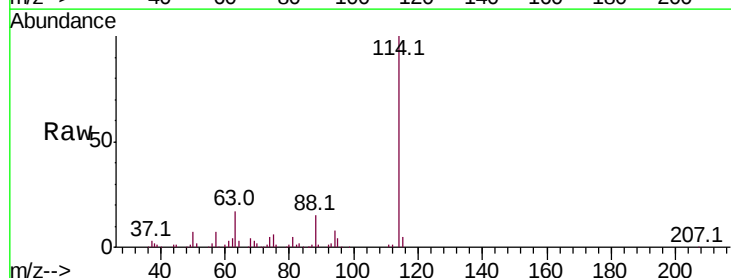
Instrument :
 MSVOA_D
 ClientSampleId :
 BS-3

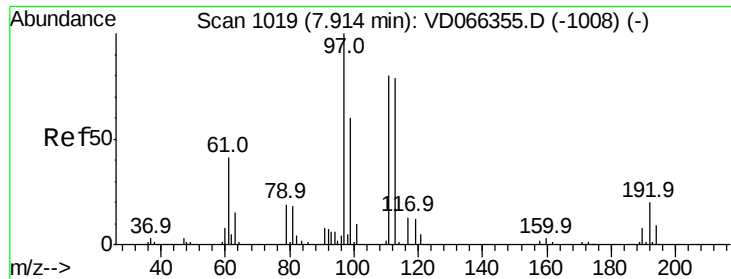
Tot Ion: 65 Resp: 91960
 Ion Ratio Lower Upper
 65 100
 67 45.1 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066470.D
 Acq: 28 Aug 2020 19:58

Tgt Ion: 114 Resp: 245358
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 40.8
 88 15.0 0.0 35.4

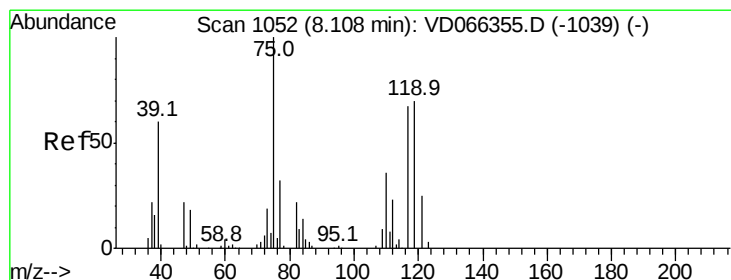
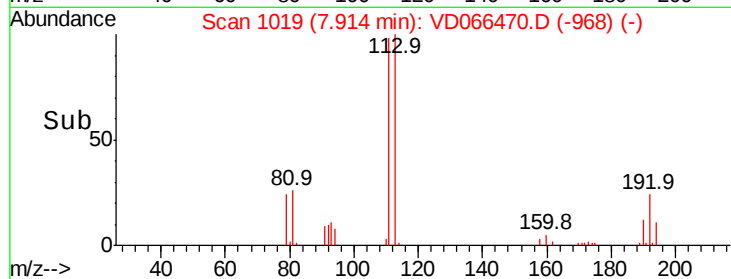
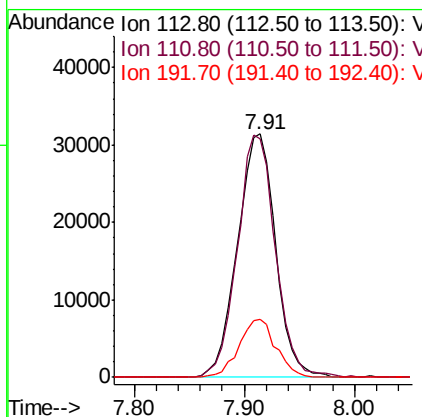
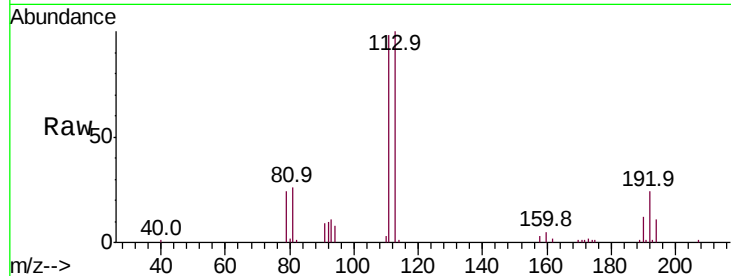




#35
 Dibromofluoromethane
 Concen: 49.598 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066470.D
 Acq: 28 Aug 2020 19:58

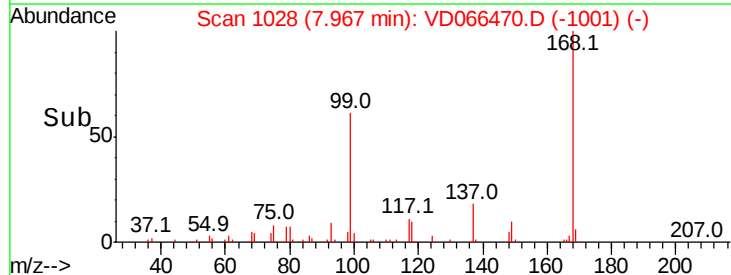
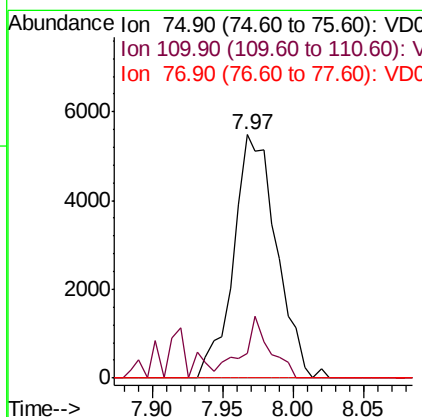
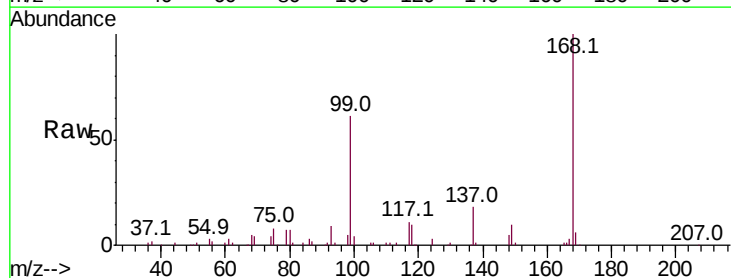
Instrument :
 MSVOA_D
 ClientSampleId :
 BS-3

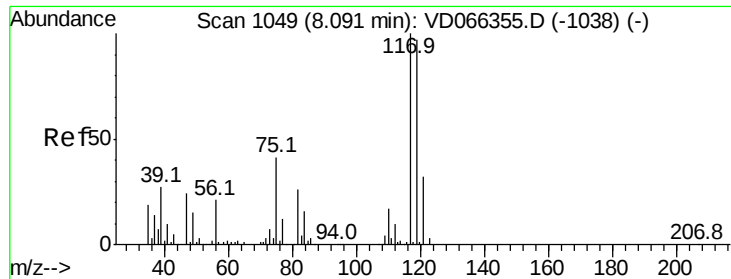
Tot Ion:113 Resp: 76095
 Ion Ratio Lower Upper
 113 100
 111 99.3 80.3 120.5
 192 23.0 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 5.214 ug/l
 RT: 7.97 min Scan# 1028
 Delta R.T. -0.14 min
 Lab File: VD066470.D
 Acq: 28 Aug 2020 19:58

Tgt Ion: 75 Resp: 11672
 Ion Ratio Lower Upper
 75 100
 110 16.4 18.7 56.1#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.980 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.12 min

Lab File: VD066470.D

Acq: 28 Aug 2020 19:58

Instrument :

MSVOA_D

ClientSampleID :

BS-3

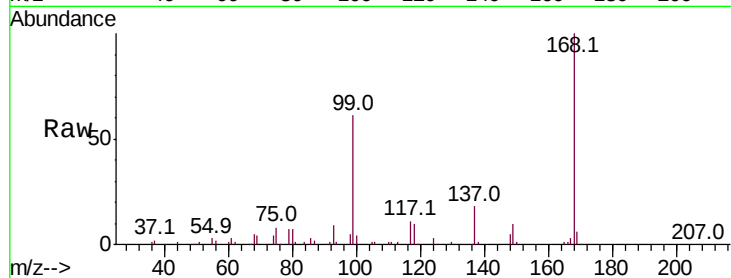
Tot Ion:117 Resp: 17442

Ion Ratio Lower Upper

117 100

119 8.0 77.2 115.8#

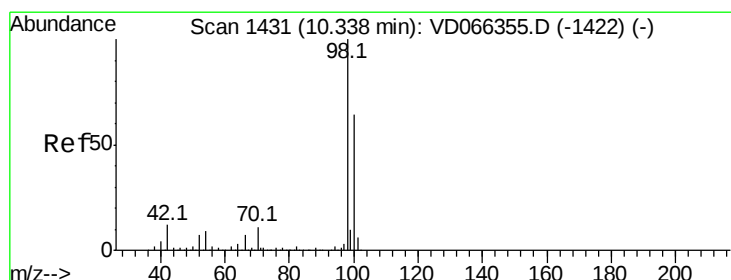
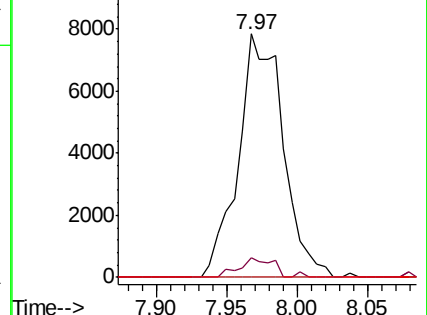
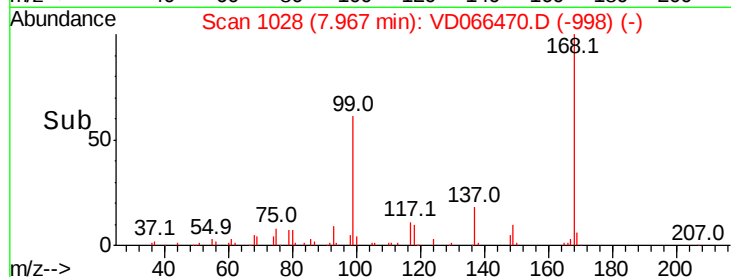
121 0.0 25.8 38.8#



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: 51.405 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066470.D

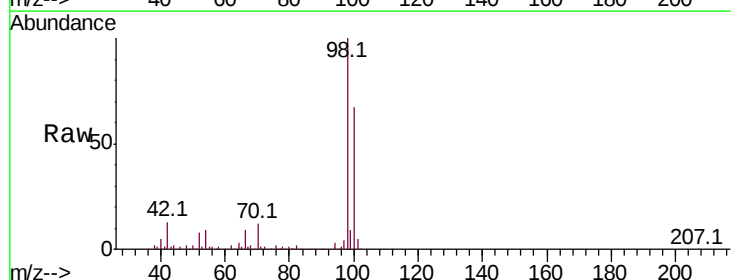
Acq: 28 Aug 2020 19:58

Tgt Ion: 98 Resp: 288565

Ion Ratio Lower Upper

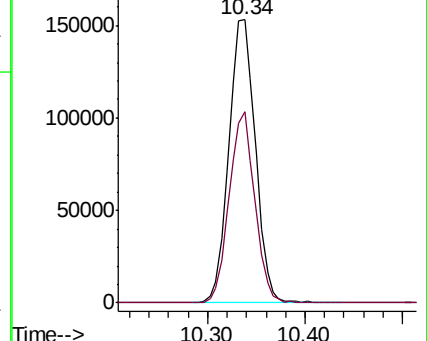
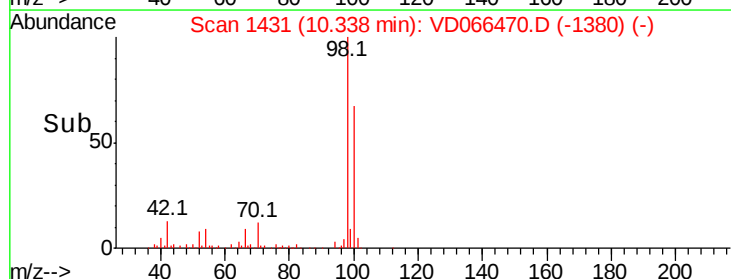
98 100

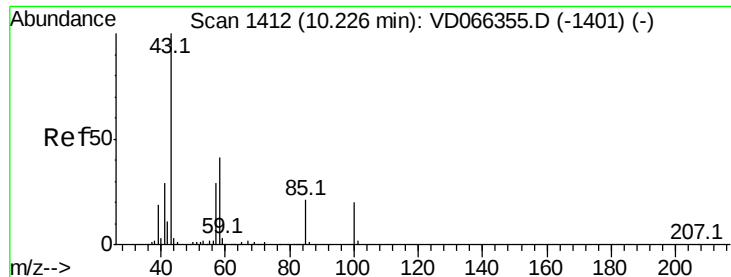
100 65.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.057 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066470.D

Acq: 28 Aug 2020 19:58

Instrument :

MSVOA_D

ClientSampled :

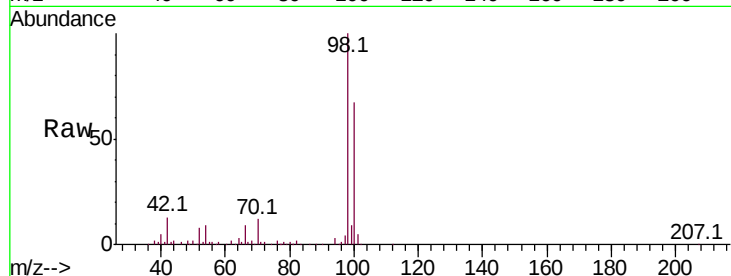
BS-3

Tot Ion: 43 Resp: 1521

Ion Ratio Lower Upper

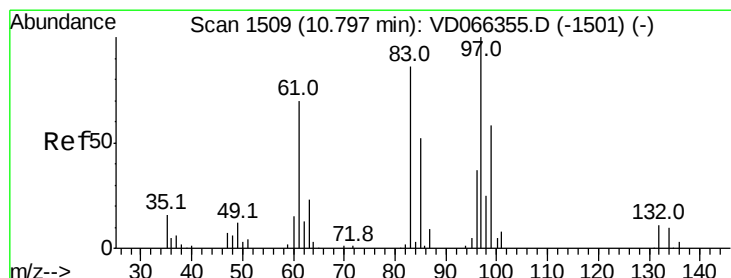
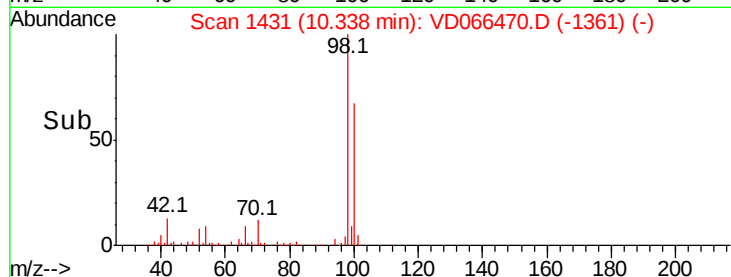
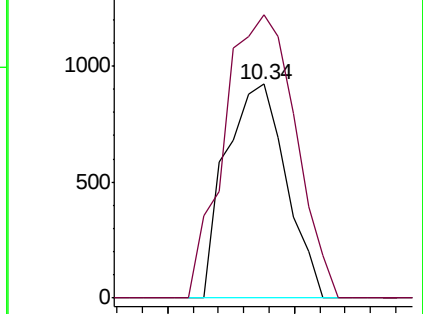
43 100

58 156.2 31.4 47.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#55

1,1,2-Trichloroethane

Concen: 2.463 ug/l

RT: 10.77 min Scan# 1504

Delta R.T. -0.03 min

Lab File: VD066470.D

Acq: 28 Aug 2020 19:58

Tgt Ion: 97 Resp: 2772

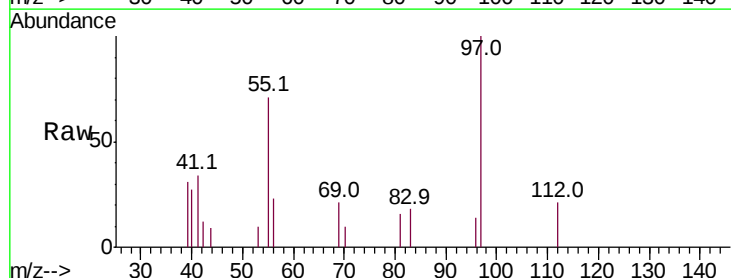
Ion Ratio Lower Upper

97 100

83 17.9 68.4 102.6#

85 0.0 41.3 61.9#

99 0.0 46.1 69.1#

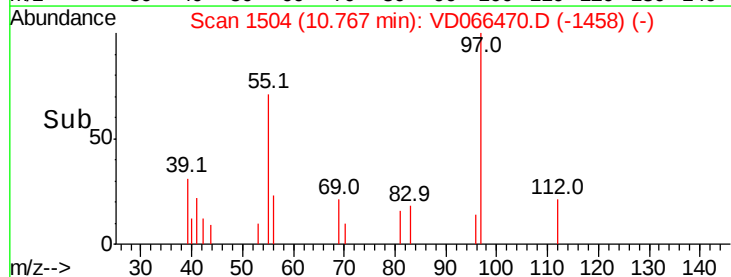
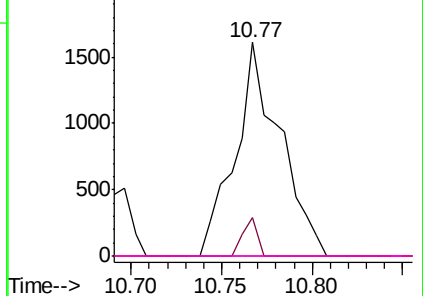


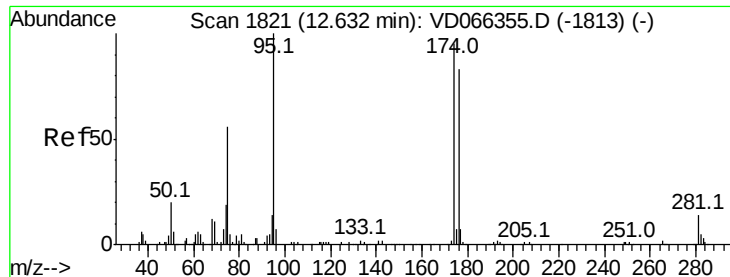
Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

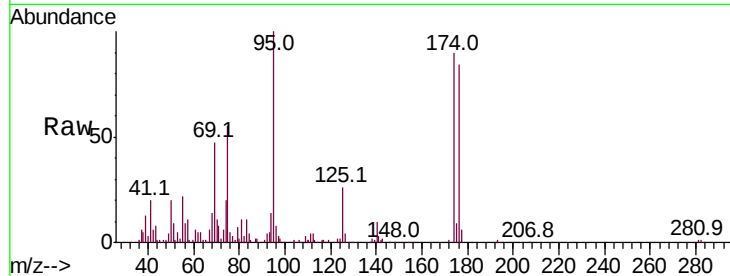




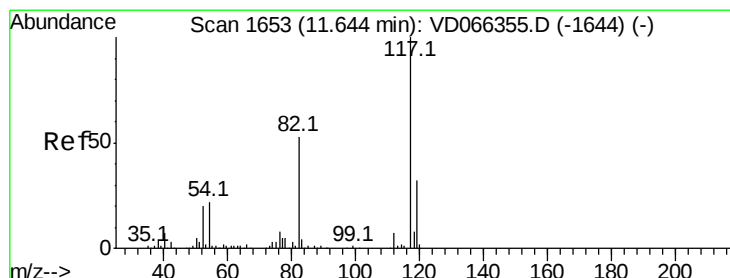
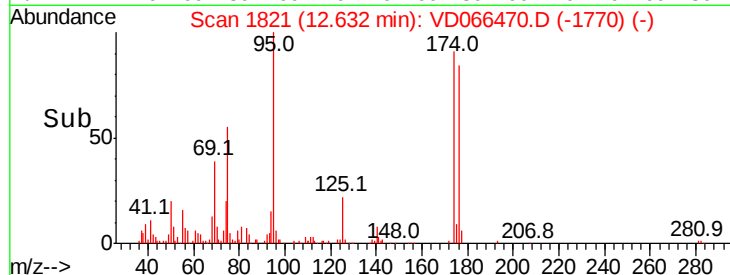
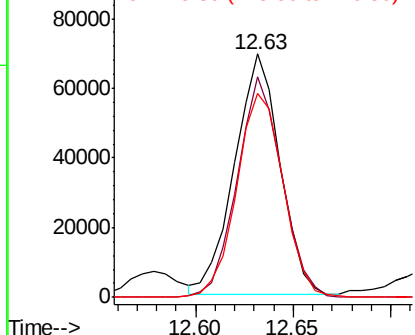
#62
4-Bromofluorobenzene
Concen: 55.366 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066470.D
Acq: 28 Aug 2020 19:58

Instrument :
MSVOA_D
ClientSampleId :
BS-3

Tot Ion: 95 Resp: 110286
Ion Ratio Lower Upper
95 100
174 90.8 0.0 183.4
176 87.5 0.0 173.8

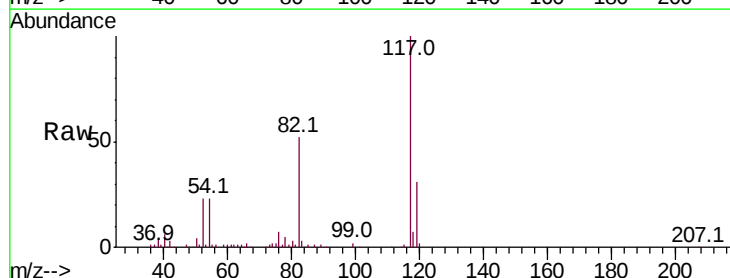


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

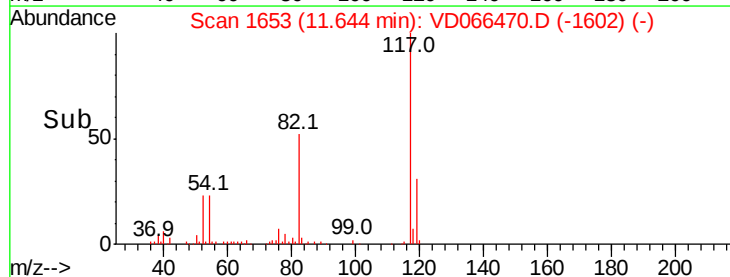
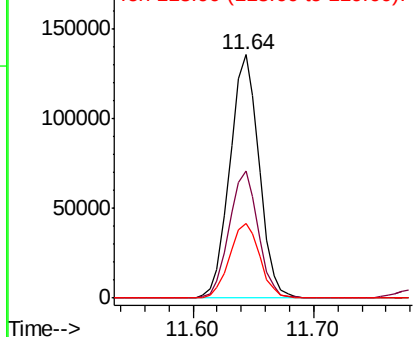


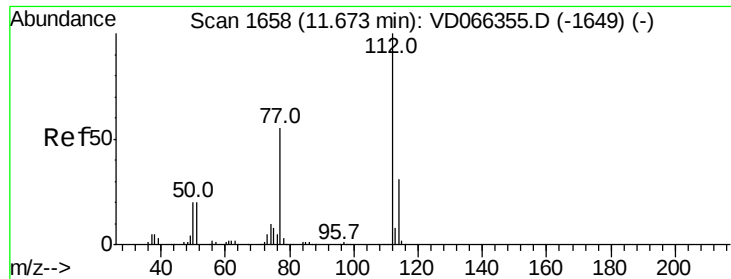
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066470.D
Acq: 28 Aug 2020 19:58

Tgt Ion: 117 Resp: 228411
Ion Ratio Lower Upper
117 100
82 52.2 42.8 64.2
119 30.9 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

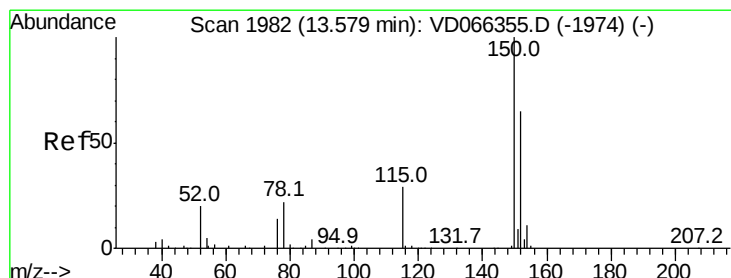
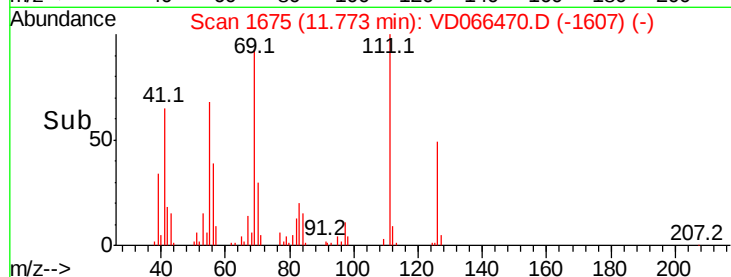
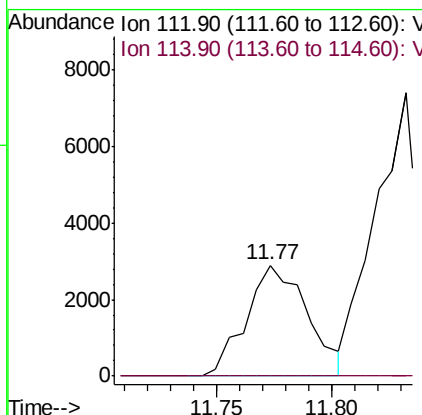
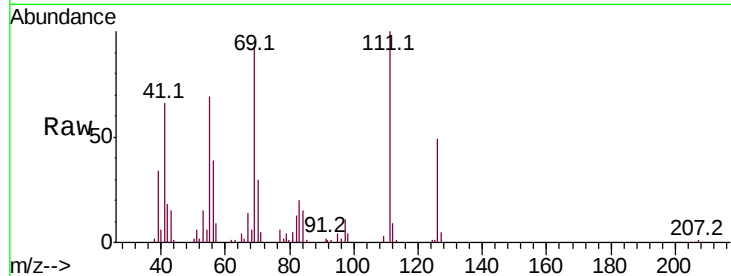




#65
Chlorobenzene
Concen: 1.174 ug/l
RT: 11.77 min Scan# 1675
Delta R.T. 0.10 min
Lab File: VD066470.D
Acq: 28 Aug 2020 19:58

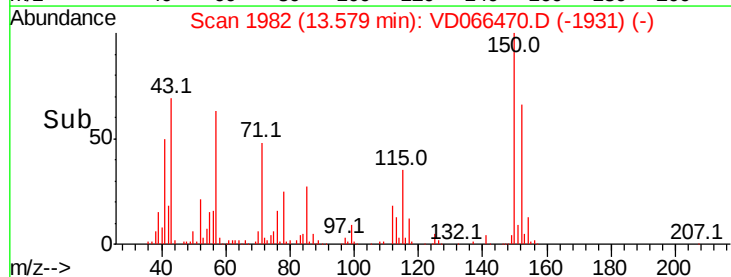
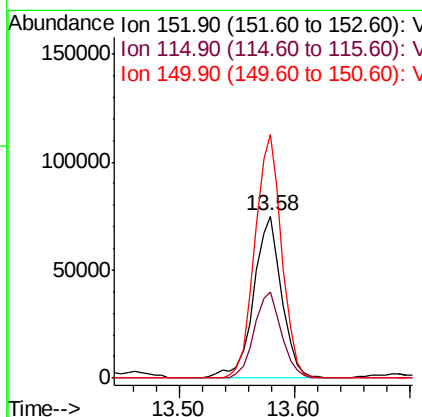
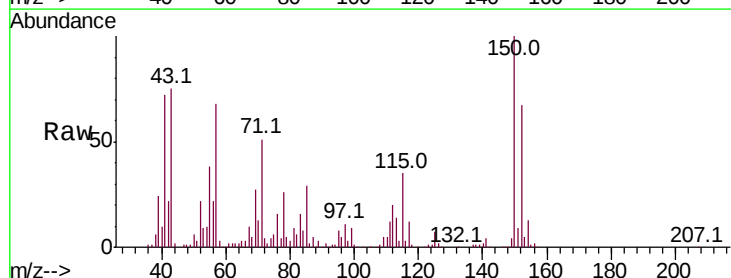
Instrument :
MSVOA_D
ClientSampled :
BS-3

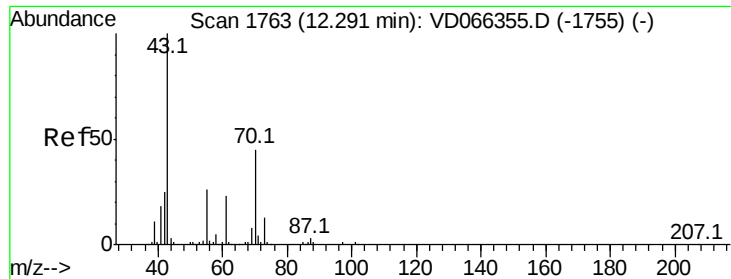
Tot Ion:112 Resp: 5333
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066470.D
Acq: 28 Aug 2020 19:58

Tgt Ion:152 Resp: 127316
Ion Ratio Lower Upper
152 100
115 51.8 28.3 85.0
150 142.4 0.0 343.2





#74

N-amvl acetate

Concen: 6.391 ug/l

RT: 12.27 min Scan# 1759

Delta R.T. -0.02 min

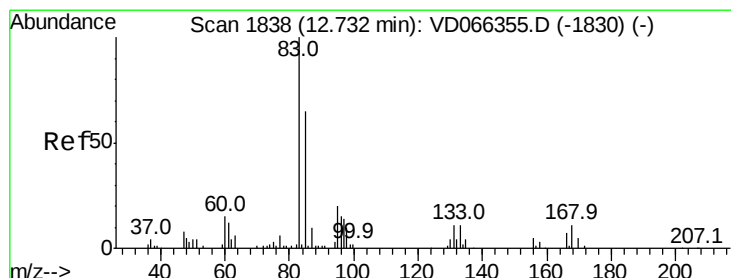
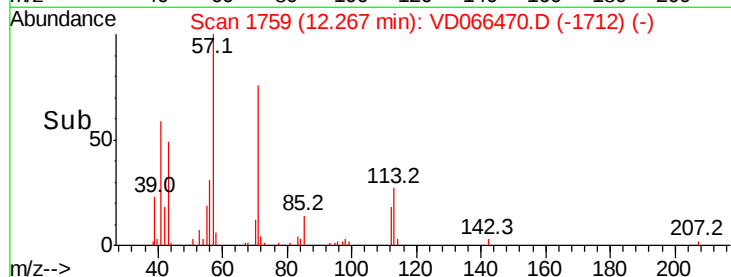
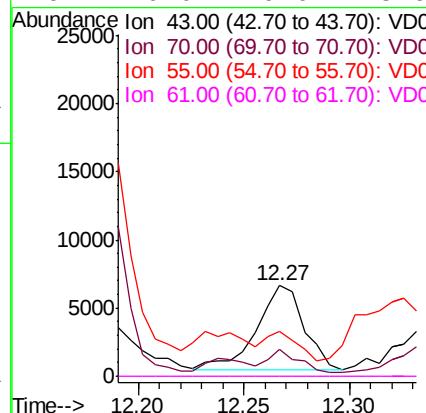
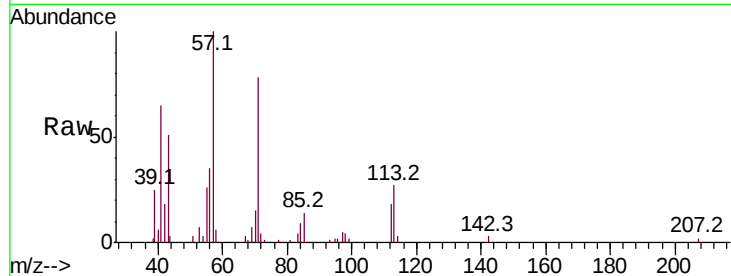
Lab File: VD066470.D

Acq: 28 Aug 2020 19:58

Instrument :
MSVOA_D
ClientSampled :
BS-3

Tot Ion: 43 Resp: 9844

Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.8	52.2#
55	0.0	20.3	30.5#
61	0.0	19.0	28.6#



#75

1,1,2,2-Tetrachloroethane

Concen: 18.297 ug/l

RT: 12.70 min Scan# 1832

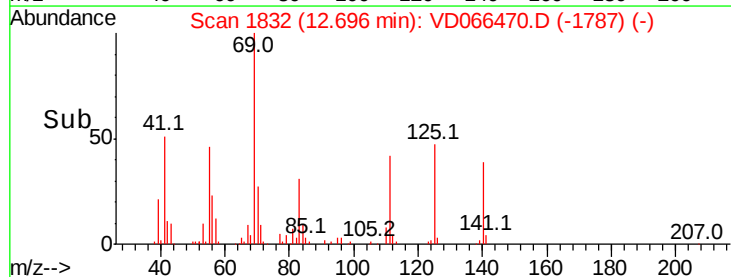
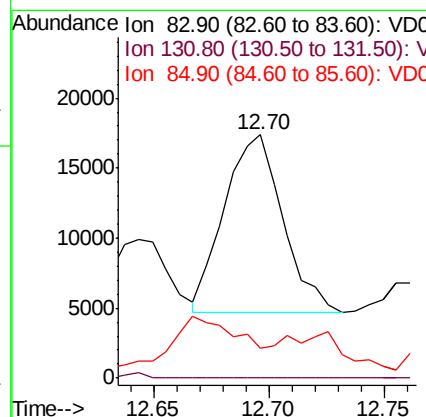
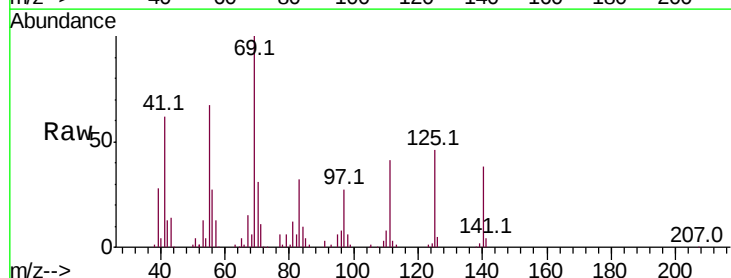
Delta R.T. -0.04 min

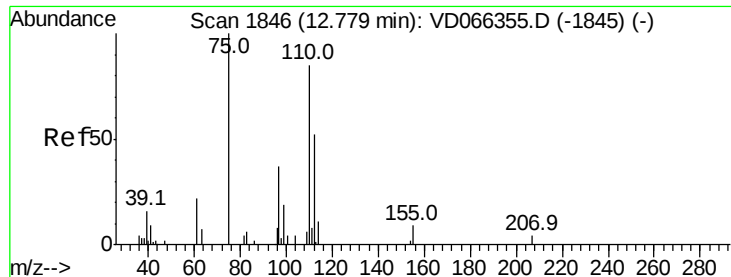
Lab File: VD066470.D

Acq: 28 Aug 2020 19:58

Tgt Ion: 83 Resp: 22292

Ion	Ratio	Lower	Upper
83	100		
131	0.0	7.0	20.9#
85	0.0	32.4	97.0#





#76

1,2,3-Trichloropropane

Concen: 72.814 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066470.D

Acq: 28 Aug 2020 19:58

Instrument :

MSVOA_D

ClientSampleId :

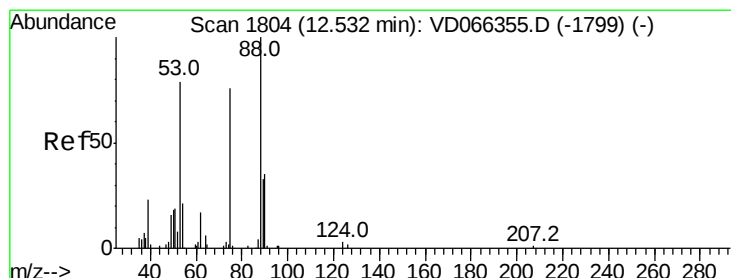
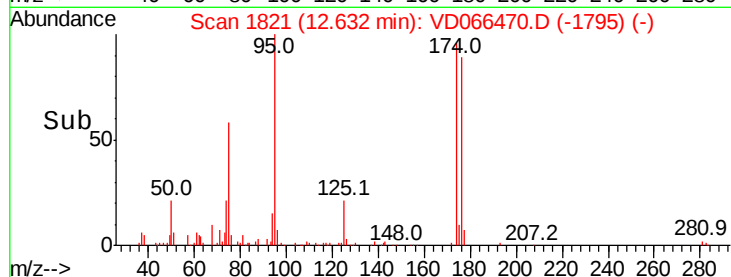
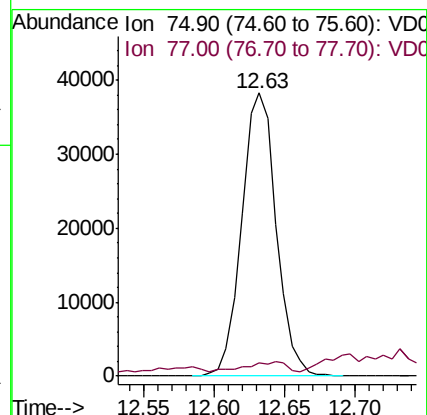
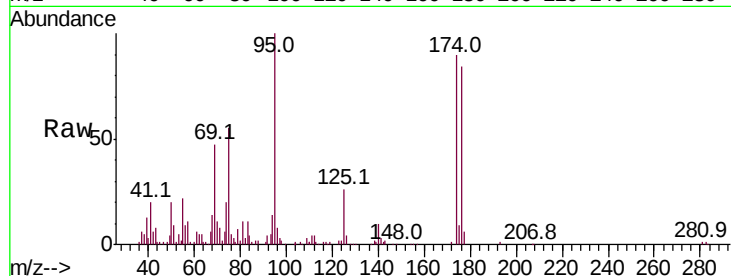
BS-3

Tot Ion: 75 Resp: 65218

Ion Ratio Lower Upper

75 100

77 4.4 182.9 548.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 154.562 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066470.D

Acq: 28 Aug 2020 19:58

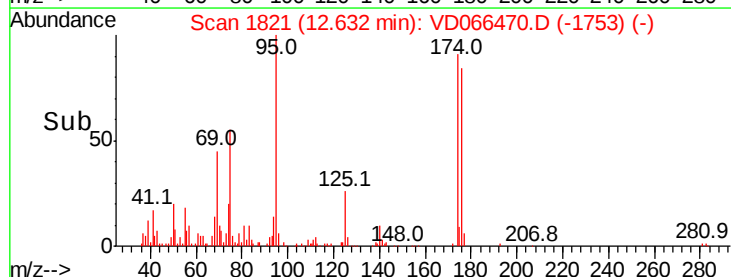
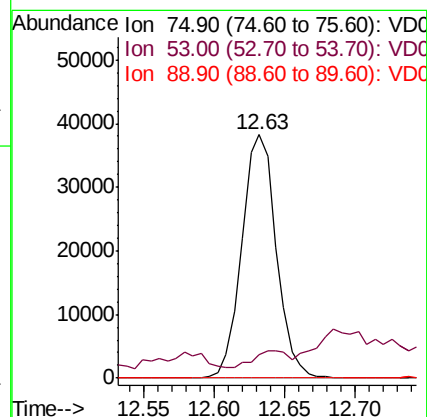
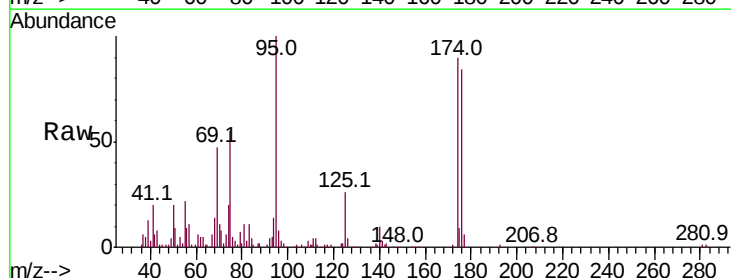
Tgt Ion: 75 Resp: 65218

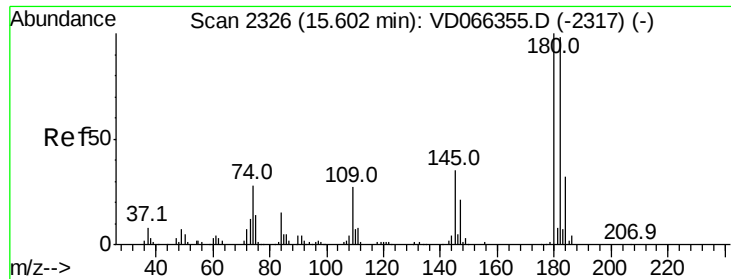
Ion Ratio Lower Upper

75 100

53 7.3 87.4 131.2#

89 0.0 39.4 59.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.618 ug/l
 RT: 15.61 min Scan# 2328
 Delta R.T. 0.01 min
 Lab File: VD066470.D
 Acq: 28 Aug 2020 19:58

Instrument :
 MSVOA_D
 ClientSampleId :
 BS-3

Tot Ion:180 Resp: 3765
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.7 140.0#
 145 3.3 16.0 48.0#

