

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066770.D
 Acq On : 18 Sep 2020 17:04
 Operator : VA/SY
 Sample : L4017-05
 Misc : 5.62G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-5

Quant Time: Sep 19 03:15:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	361726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	663249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	641720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281090	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	229064	59.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.70%	
35) Dibromofluoromethane	7.91	113	216486	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
50) Toluene-d8	10.34	98	826315	57.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.08%	
62) 4-Bromofluorobenzene	12.63	95	275563	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	

Target Compounds

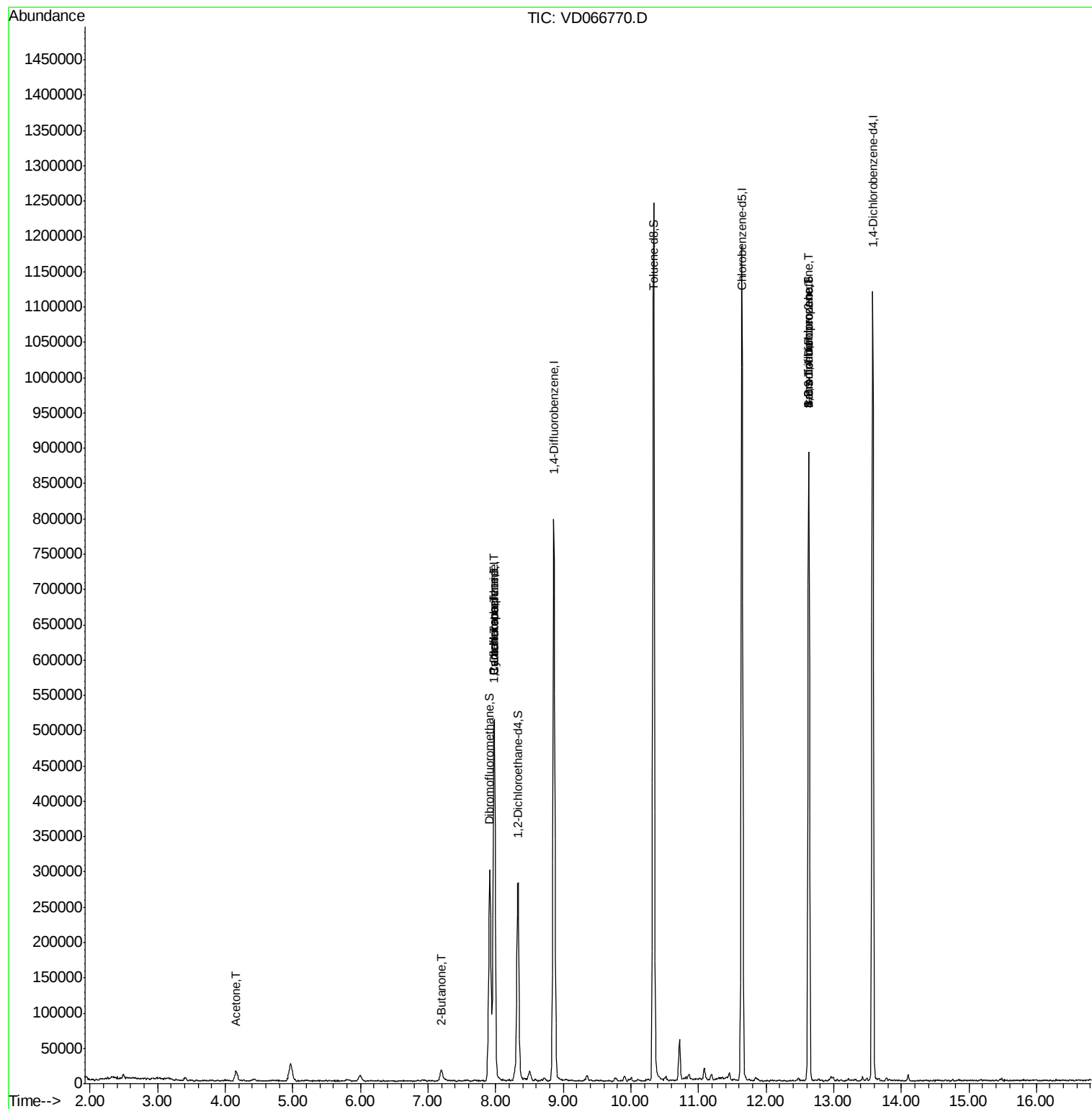
						Qvalue
2) Dichlorodifluoromethane	1.99	85	244	Below Cal	#	43
11) Tert butyl alcohol	5.22	59	335	Below Cal	#	76
16) Acetone	4.16	43	26026	33.115	ug/l	98
18) Methyl Acetate	4.71	43	159	Below Cal	#	52
20) Methylene Chloride	4.97	84	17500	Below Cal		88
25) 2-Butanone	7.21	43	1838	1.796	ug/l #	49
31) Cyclohexane	7.98	56	9820	1.440	ug/l #	3
36) 1,1-Dichloropropene	7.97	75	33705	4.943	ug/l #	50
38) Carbon Tetrachloride	7.97	117	40423	5.582	ug/l #	17
71) Bromoform	12.63	173	2691	1.094	ug/l #	29
76) 1,2,3-Trichloropropane	12.64	75	150554	62.574	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	150554	135.045	ug/l #	8

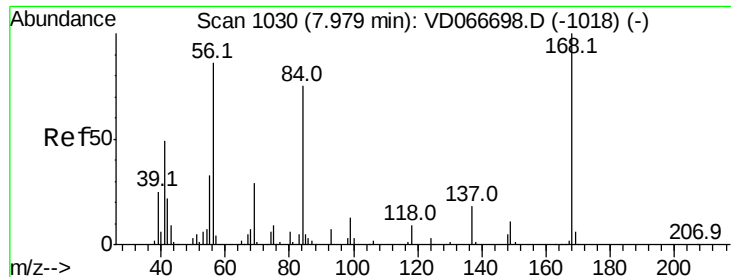
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066770.D

Acq: 18 Sep 2020 17:04

Instrument :

MSVOA_D

ClientSampleId :

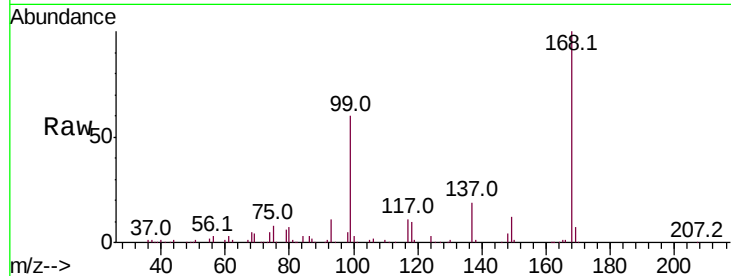
SS-5

Tot Ion:168 Resp: 361726

Ion Ratio Lower Upper

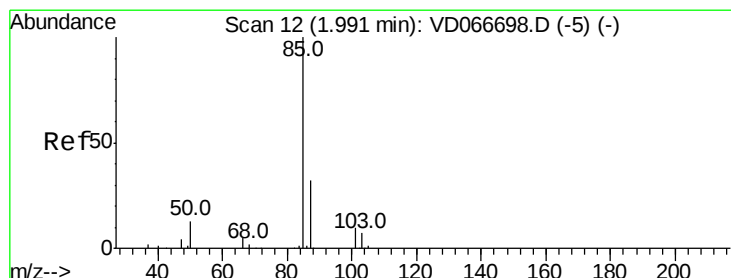
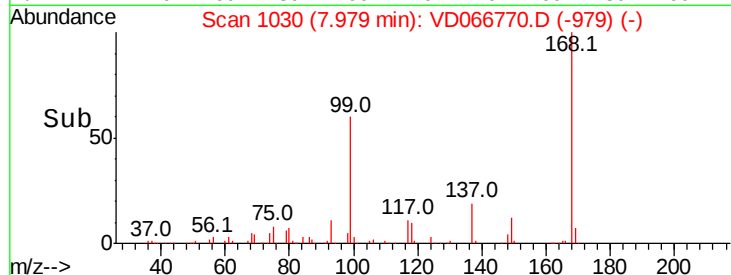
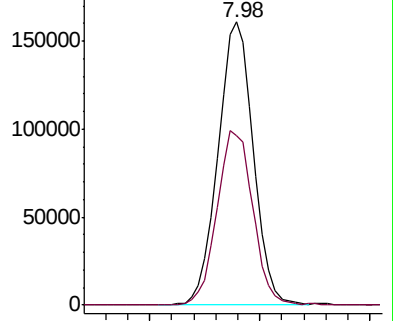
168 100

99 59.8 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD066770.D

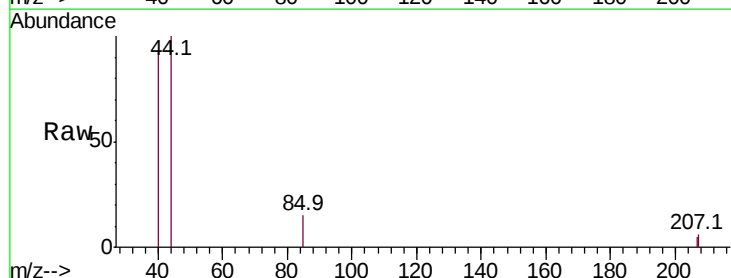
Acq: 18 Sep 2020 17:04

Tgt Ion: 85 Resp: 244

Ion Ratio Lower Upper

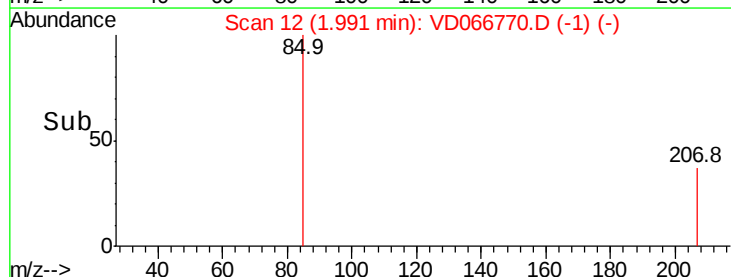
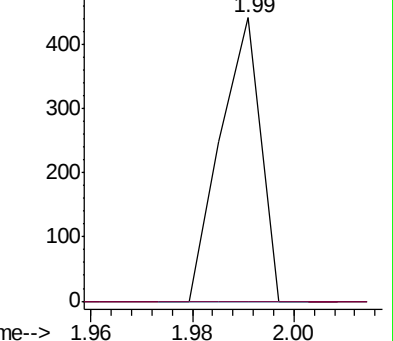
85 100

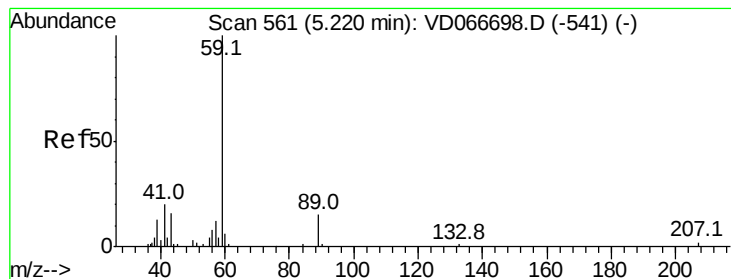
87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



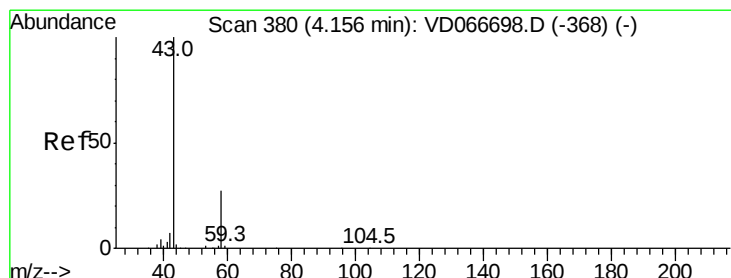
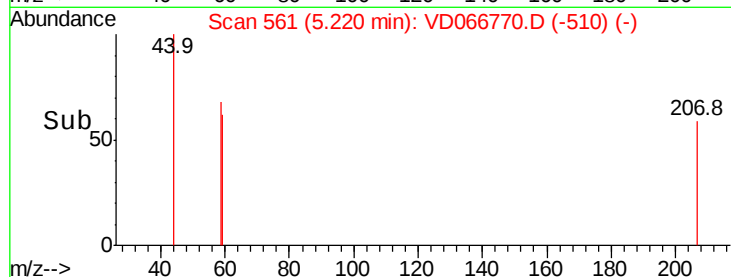
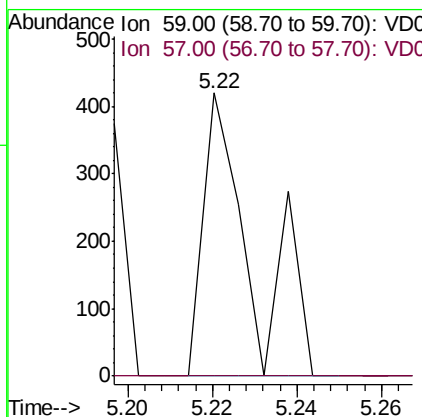
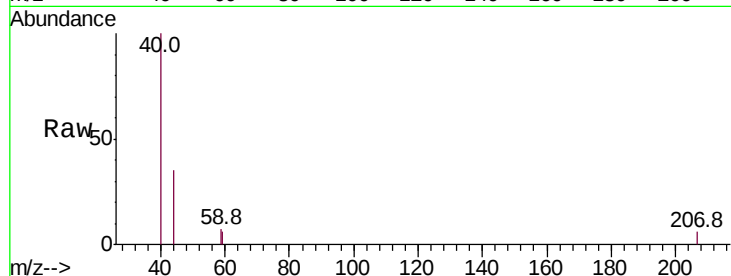


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD066770.D
 Acq: 18 Sep 2020 17:04

Instrument :
 MSVOA_D
 ClientSampleID :
 SS-5

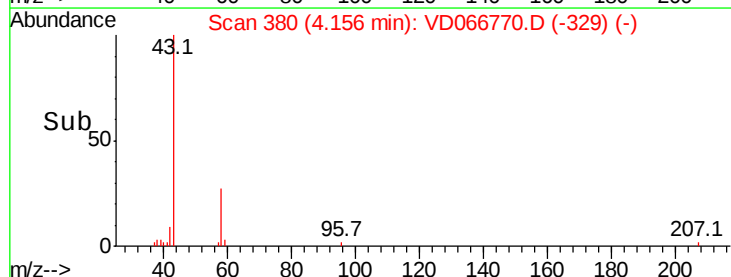
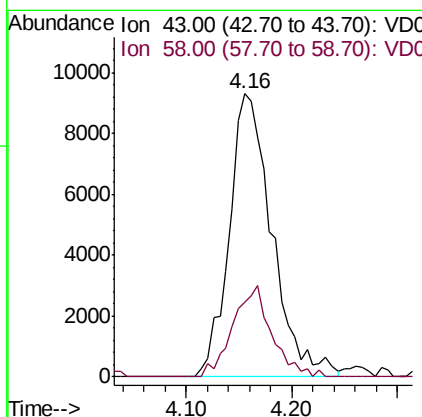
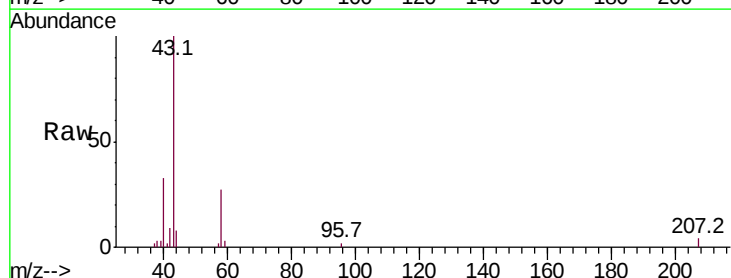
Tot Ion: 59 Resp: 335
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

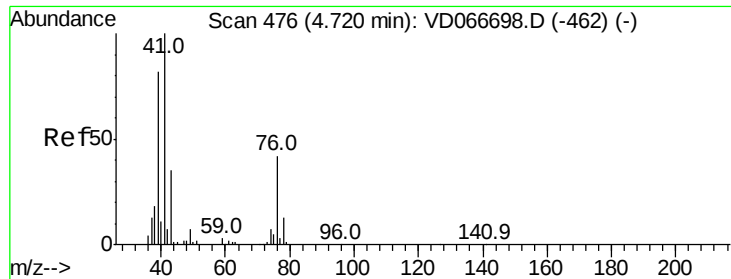


#16

Acetone
 Concen: 33.115 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066770.D
 Acq: 18 Sep 2020 17:04

Tgt Ion: 43 Resp: 26026
 Ion Ratio Lower Upper
 43 100
 58 26.6 21.9 32.9

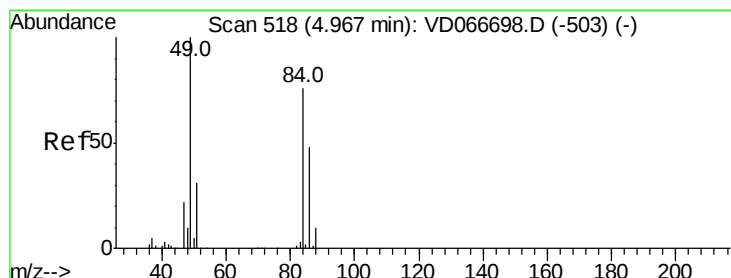
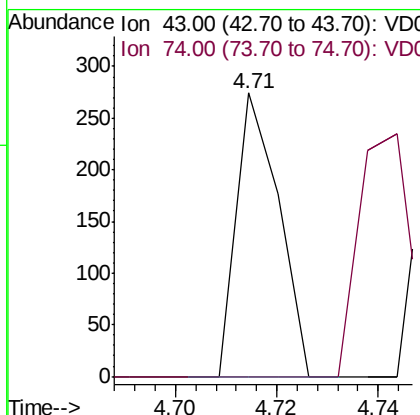
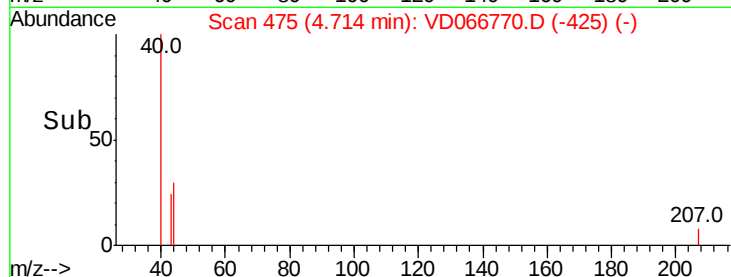
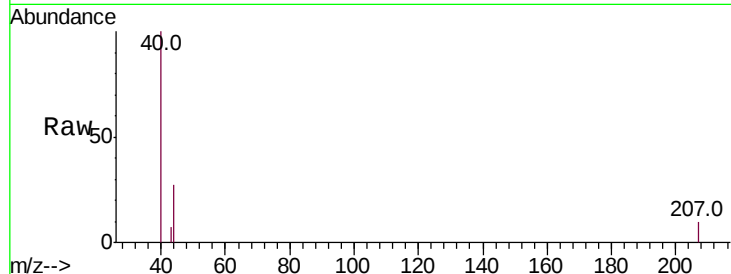




#18
Methyl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD066770.D
Acq: 18 Sep 2020 17:04

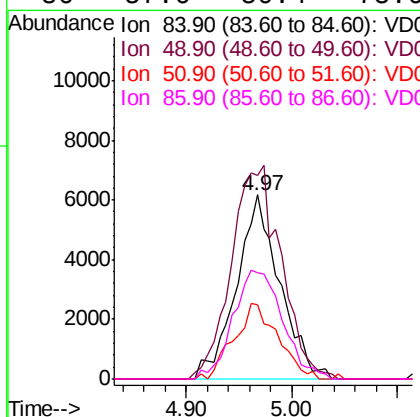
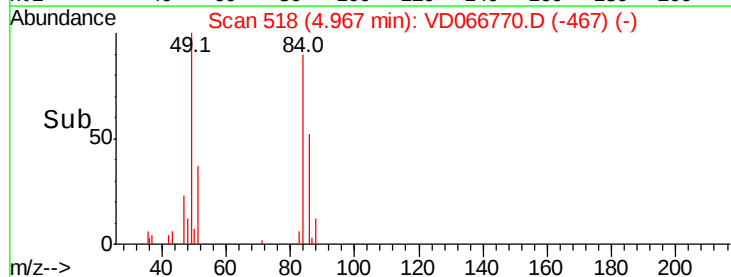
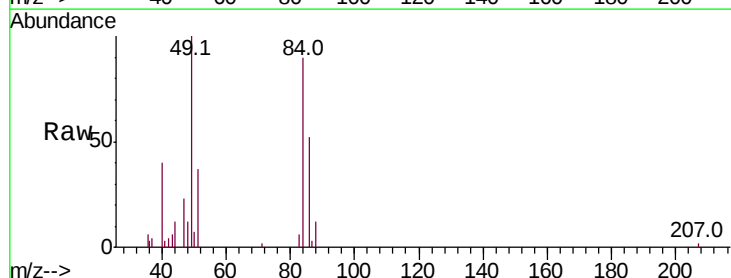
Instrument :
MSVOA_D
ClientSampleId :
SS-5

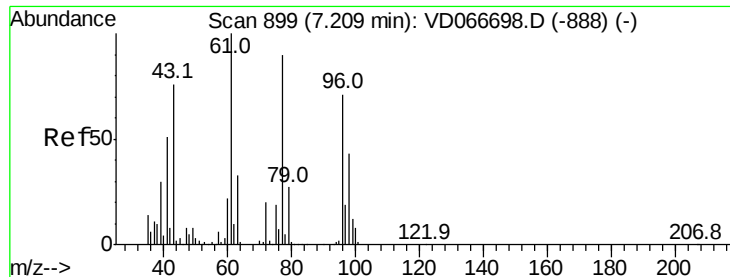
Tot Ion: 43 Resp: 159
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066770.D
Acq: 18 Sep 2020 17:04

Tgt Ion: 84 Resp: 17500
Ion Ratio Lower Upper
84 100
49 110.8 105.0 157.6
51 40.5 32.2 48.4
86 57.6 50.4 75.6





#25

2-Butanone

Concen: 1.796 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066770.D

Acq: 18 Sep 2020 17:04

Instrument :

MSVOA_D

ClientSampled :

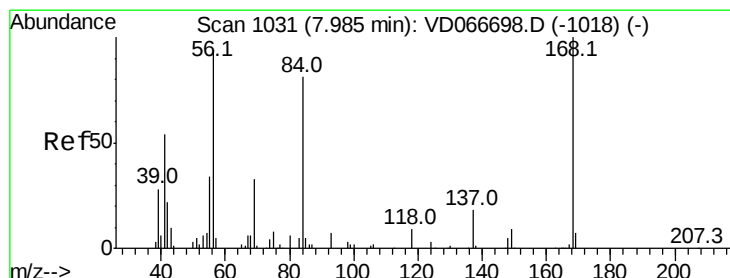
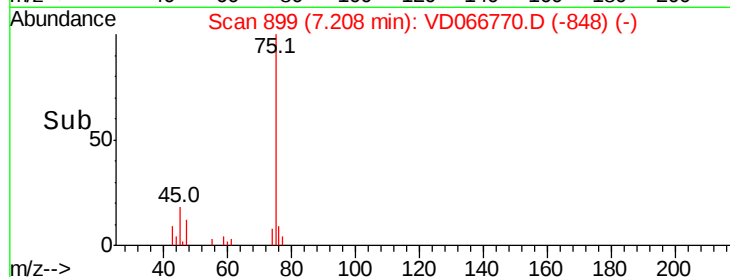
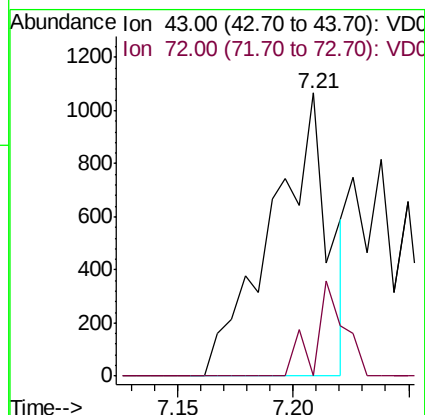
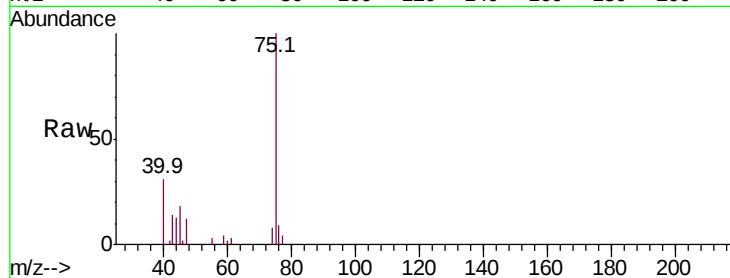
SS-5

Tot Ion: 43 Resp: 1838

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.440 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066770.D

Acq: 18 Sep 2020 17:04

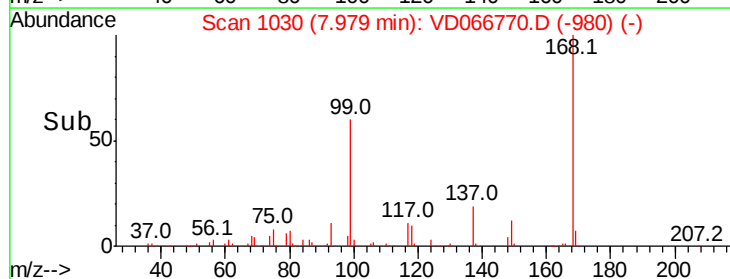
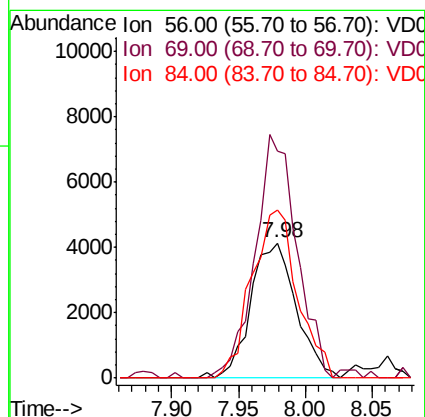
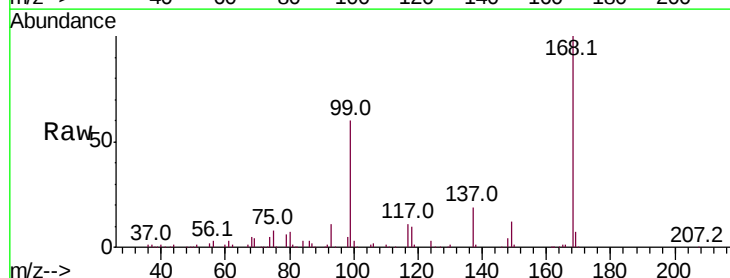
Tgt Ion: 56 Resp: 9820

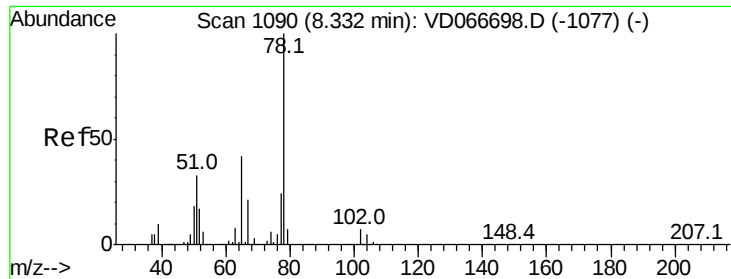
Ion Ratio Lower Upper

56 100

69 168.0 27.7 41.5#

84 124.4 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 59.352 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066770.D

Acq: 18 Sep 2020 17:04

Instrument :

MSVOA_D

ClientSampleId :

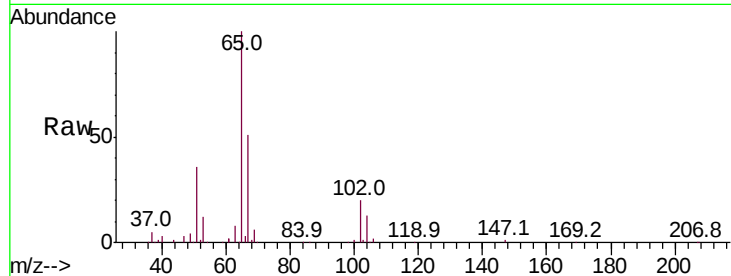
SS-5

Tot Ion: 65 Resp: 229064

Ion Ratio Lower Upper

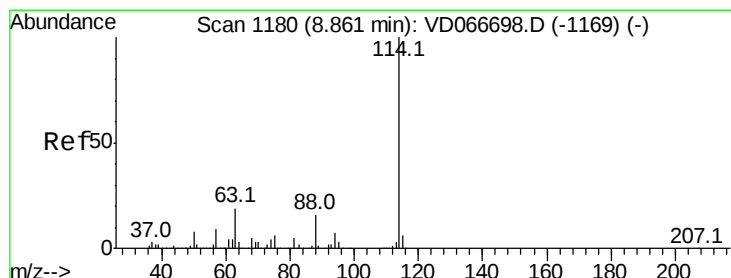
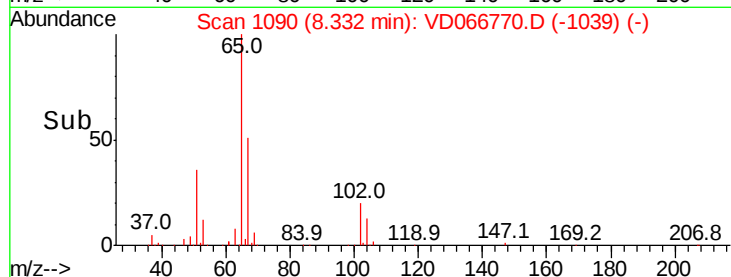
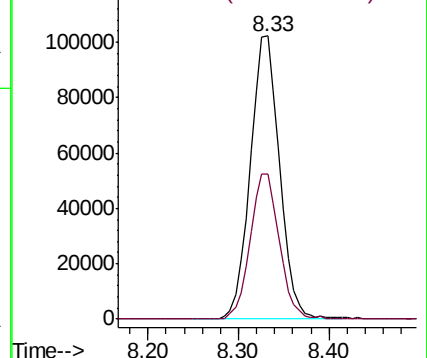
65 100

67 50.9 0.0 102.2



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: VD066770.D

Acq: 18 Sep 2020 17:04

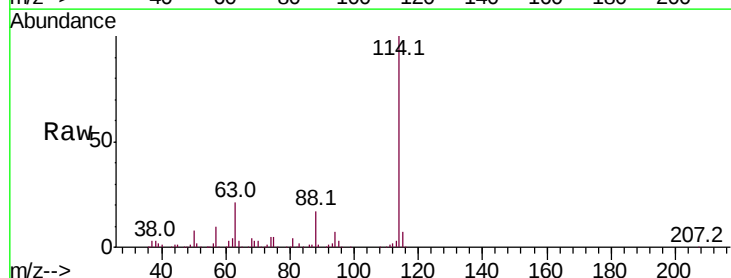
Tgt Ion: 114 Resp: 663249

Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.6

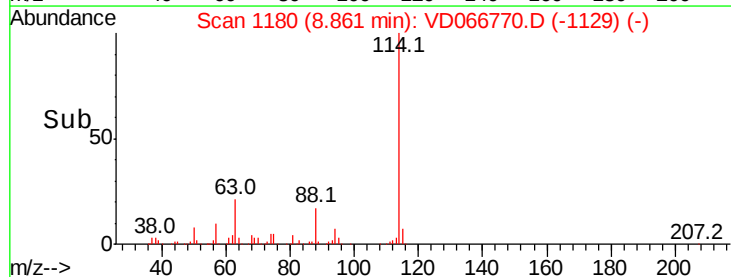
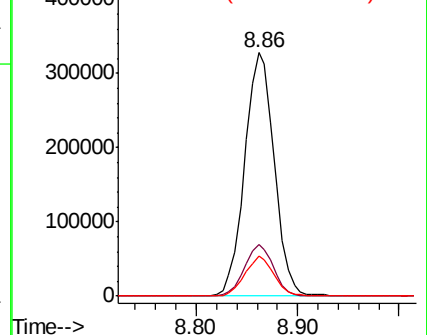
88 16.5 0.0 32.2

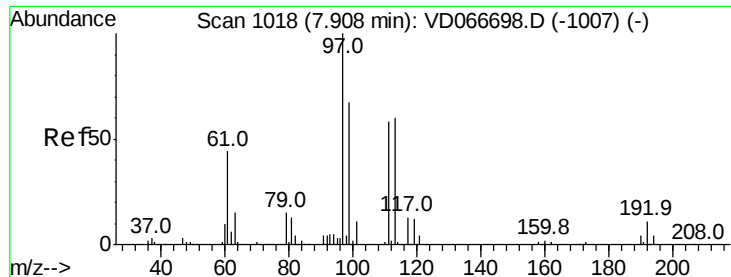


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

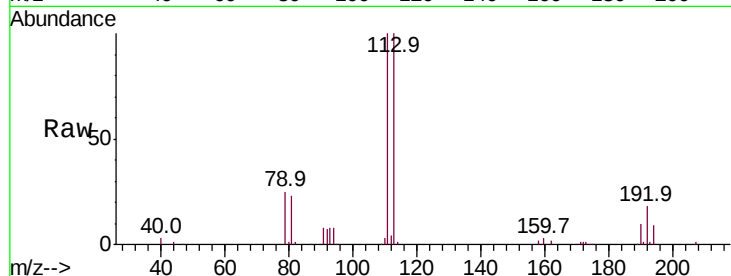




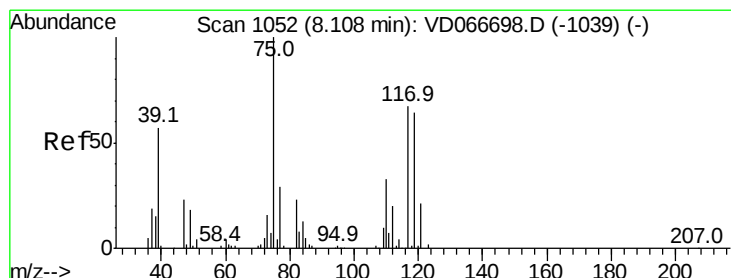
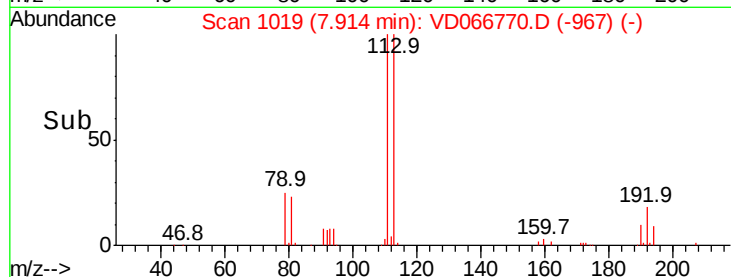
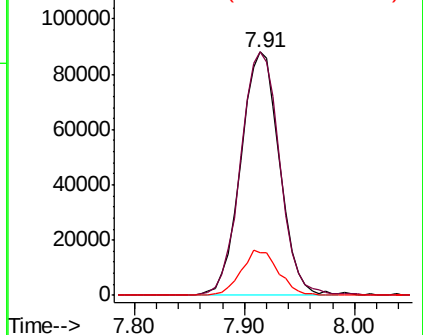
#35
 Dibromofluoromethane
 Concen: 53.238 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066770.D
 Acq: 18 Sep 2020 17:04

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-5

Tot Ion:113 Resp: 216486
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.2 124.8
 192 17.8 14.8 22.2

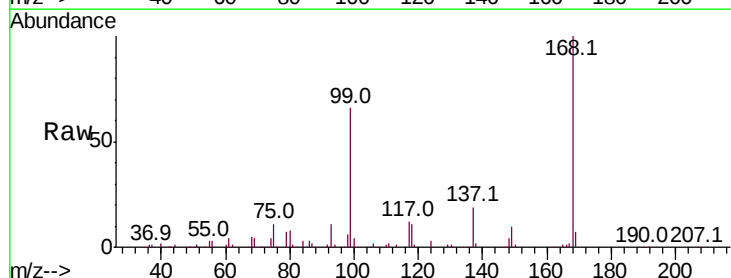


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

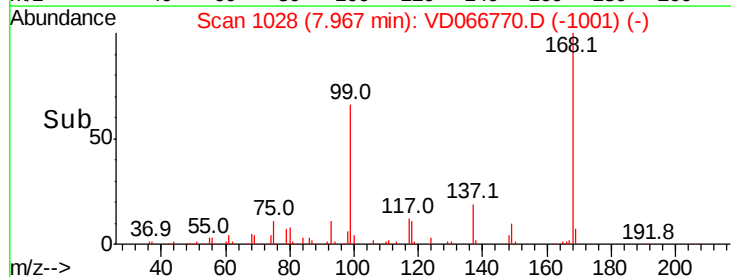
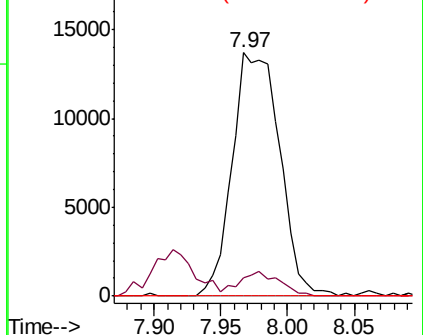


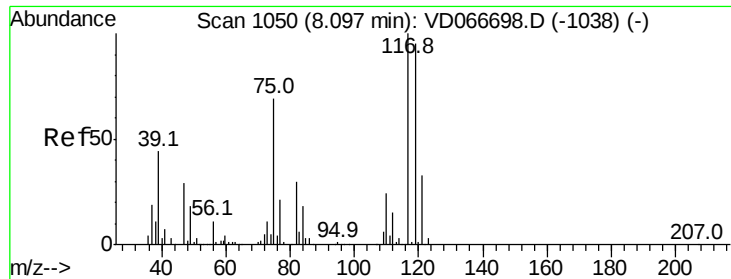
#36
 1,1-Dichloropropene
 Concen: 4.943 ug/l
 RT: 7.97 min Scan# 1028
 Delta R.T. -0.14 min
 Lab File: VD066770.D
 Acq: 18 Sep 2020 17:04

Tgt Ion: 75 Resp: 33705
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.1 51.2#
 77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.582 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066770.D

Acq: 18 Sep 2020 17:04

Instrument :

MSVOA_D

ClientSampleId :

SS-5

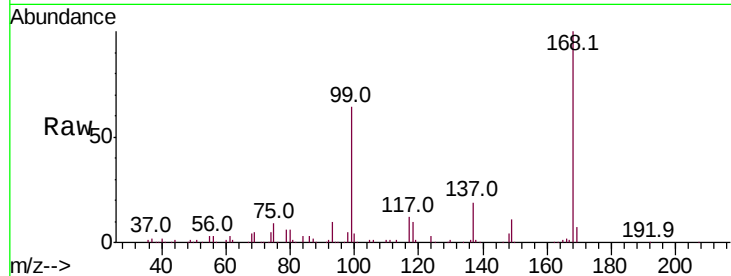
Tot Ion:117 Resp: 40423

Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.6#

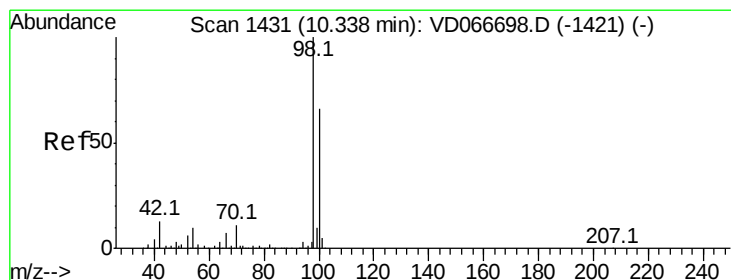
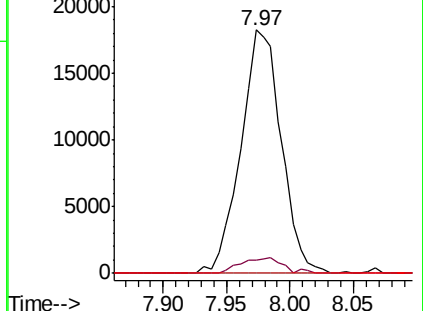
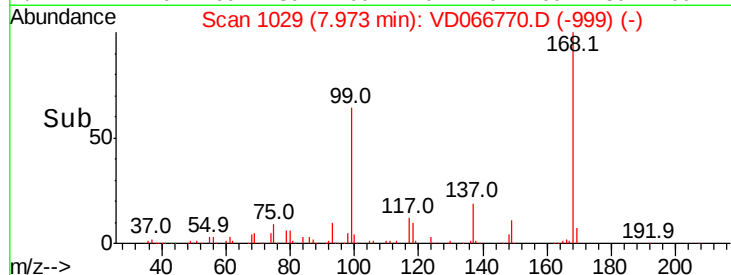
121 0.0 26.2 39.4#



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: 57.037 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066770.D

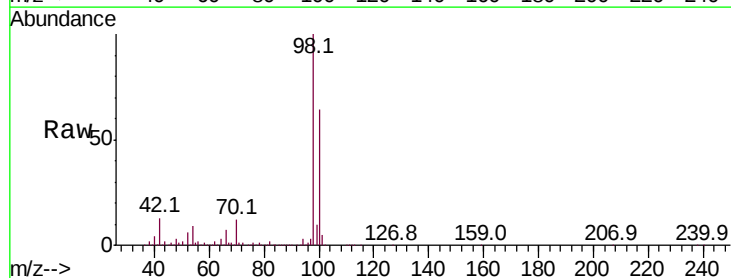
Acq: 18 Sep 2020 17:04

Tgt Ion: 98 Resp: 826315

Ion Ratio Lower Upper

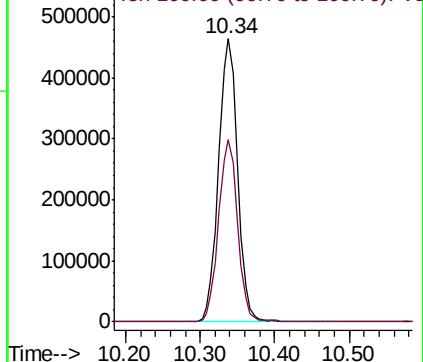
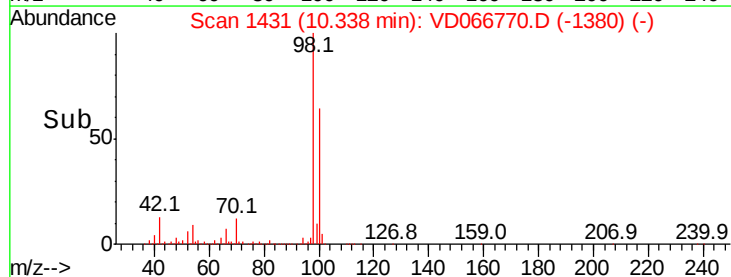
98 100

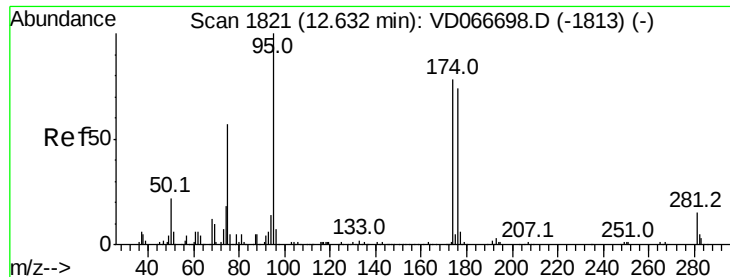
100 64.0 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

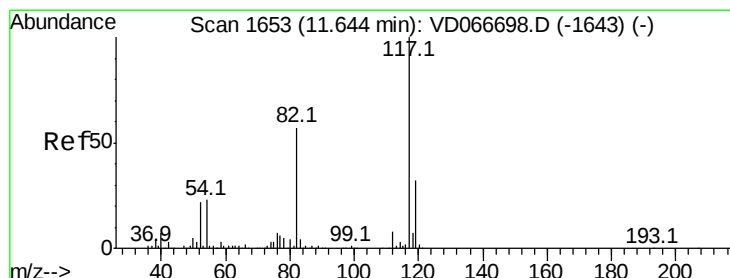
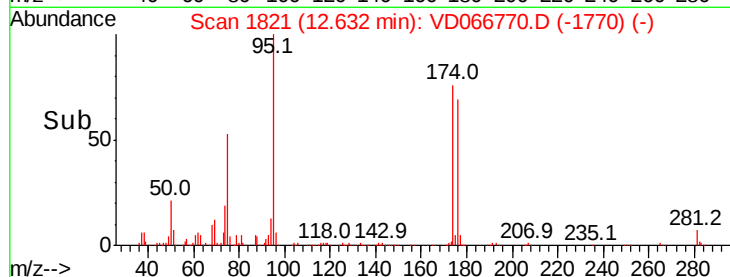
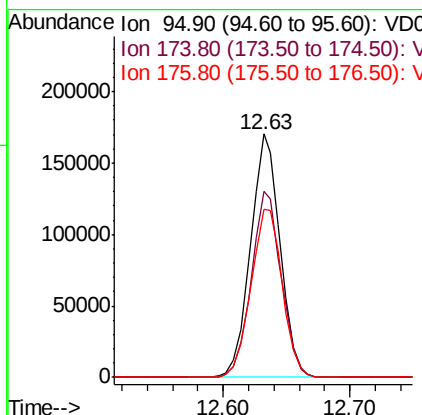
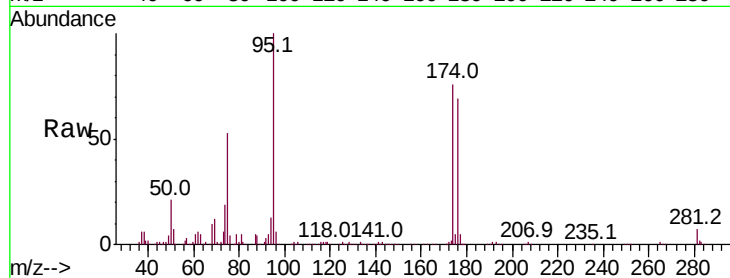




#62
4-Bromofluorobenzene
Concen: 55.103 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066770.D
Acq: 18 Sep 2020 17:04

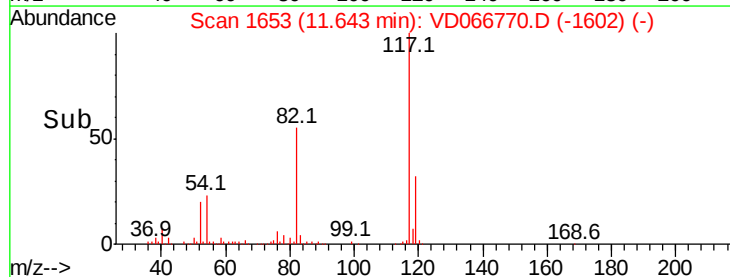
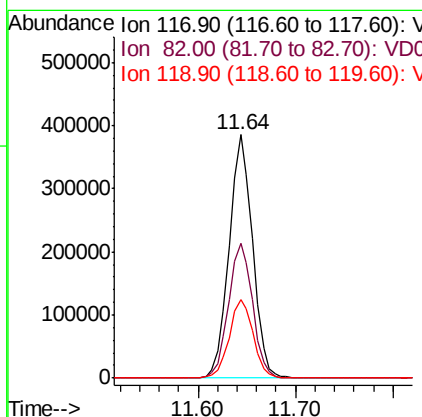
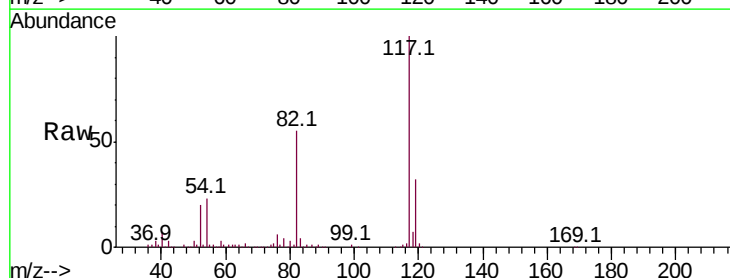
Instrument :
MSVOA_D
ClientSampleId :
SS-5

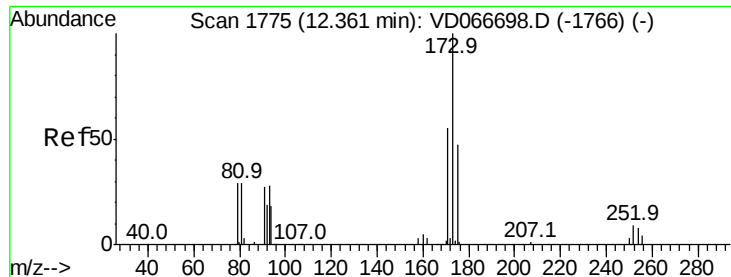
Tot Ion: 95 Resp: 275563
Ion Ratio Lower Upper
95 100
174 77.3 0.0 156.6
176 73.4 0.0 150.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066770.D
Acq: 18 Sep 2020 17:04

Tgt Ion: 117 Resp: 641720
Ion Ratio Lower Upper
117 100
82 55.4 45.4 68.0
119 32.2 25.8 38.6





#71

Bromoform

Concen: 1.094 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD066770.D

Acq: 18 Sep 2020 17:04

Instrument :

MSVOA_D

ClientSampled :

SS-5

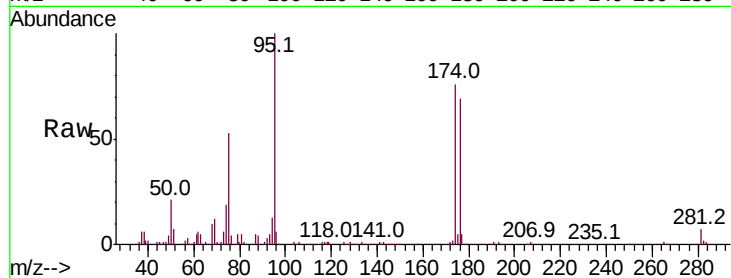
Tot Ion:173 Resp: 2691

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.8#

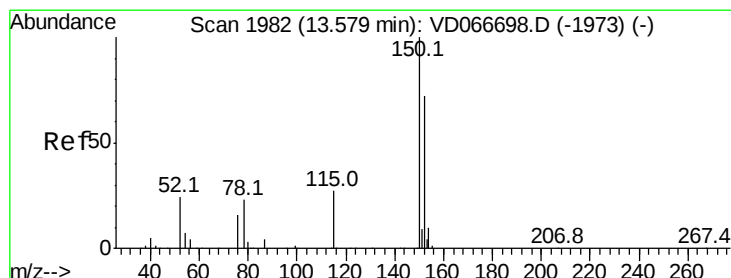
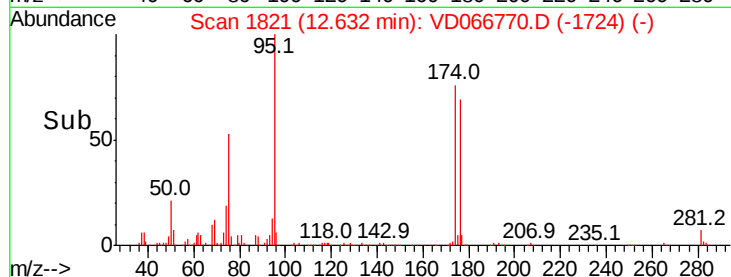
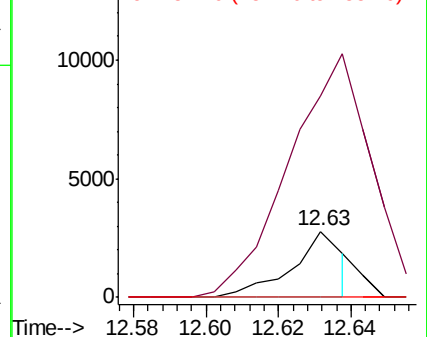
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066770.D

Acq: 18 Sep 2020 17:04

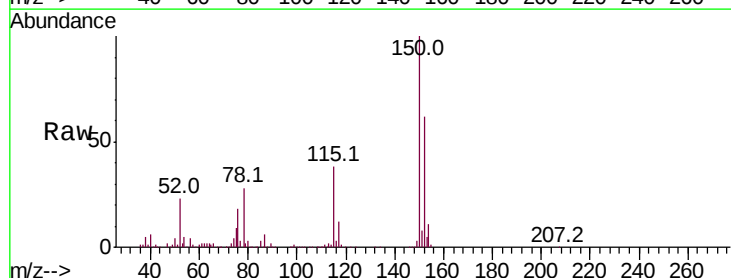
Tgt Ion:152 Resp: 281090

Ion Ratio Lower Upper

152 100

115 61.4 30.5 91.5

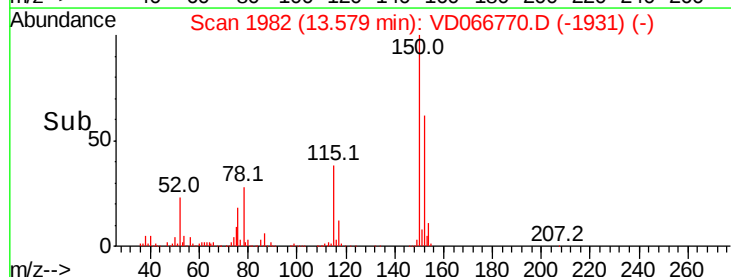
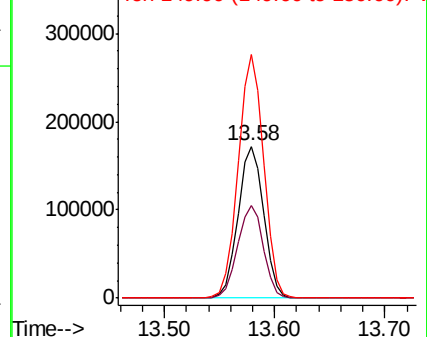
150 159.0 0.0 344.6

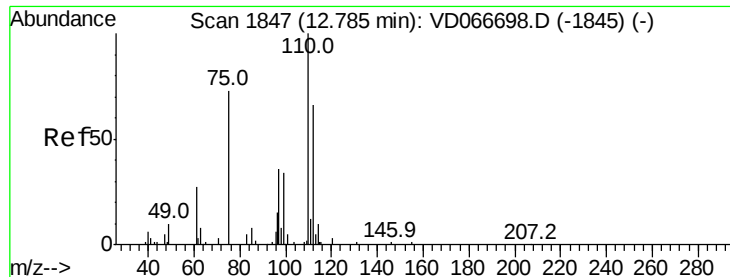


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 62.574 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066770.D

Acq: 18 Sep 2020 17:04

Instrument :

MSVOA_D

ClientSampled :

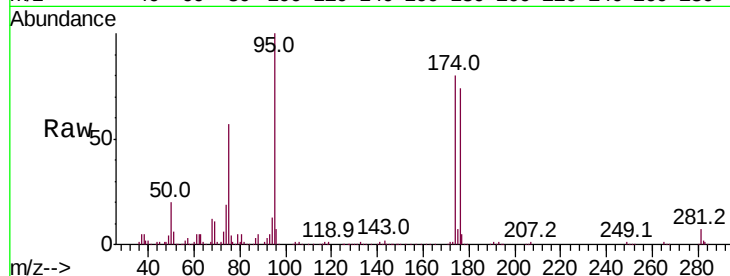
SS-5

Tot Ion: 75 Resp: 150554

Ion Ratio Lower Upper

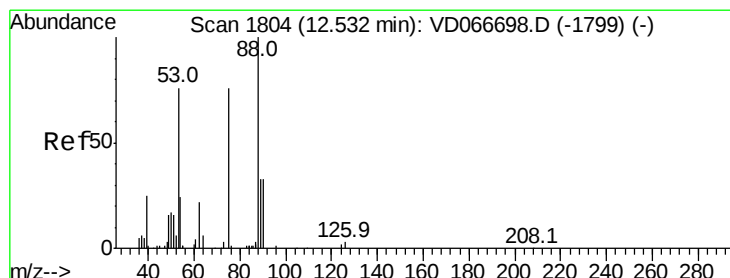
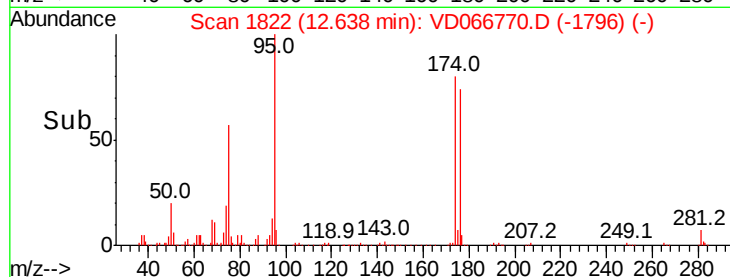
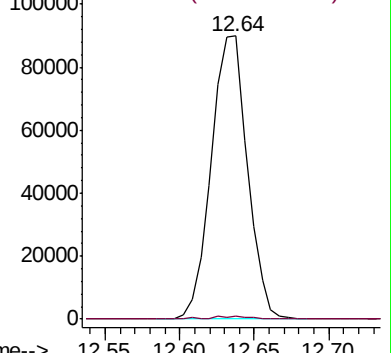
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 135.045 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066770.D

Acq: 18 Sep 2020 17:04

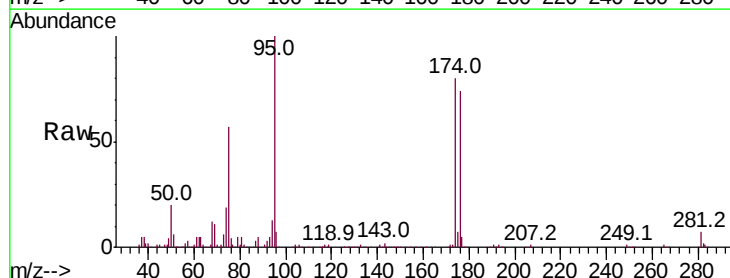
Tgt Ion: 75 Resp: 150554

Ion Ratio Lower Upper

75 100

53 0.1 82.2 123.4#

89 0.1 39.6 59.4#



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

