

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066943.D
 Acq On : 29 Sep 2020 17:15
 Operator : VA/SY
 Sample : L4172-13
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-8(11-13)

Quant Time: Sep 30 02:37:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	410254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	685117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	726427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	351597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	194475	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
35) Dibromofluoromethane	7.91	113	212748	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.34	98	835939	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	
62) 4-Bromofluorobenzene	12.63	95	317552	62.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.92%	

Target Compounds

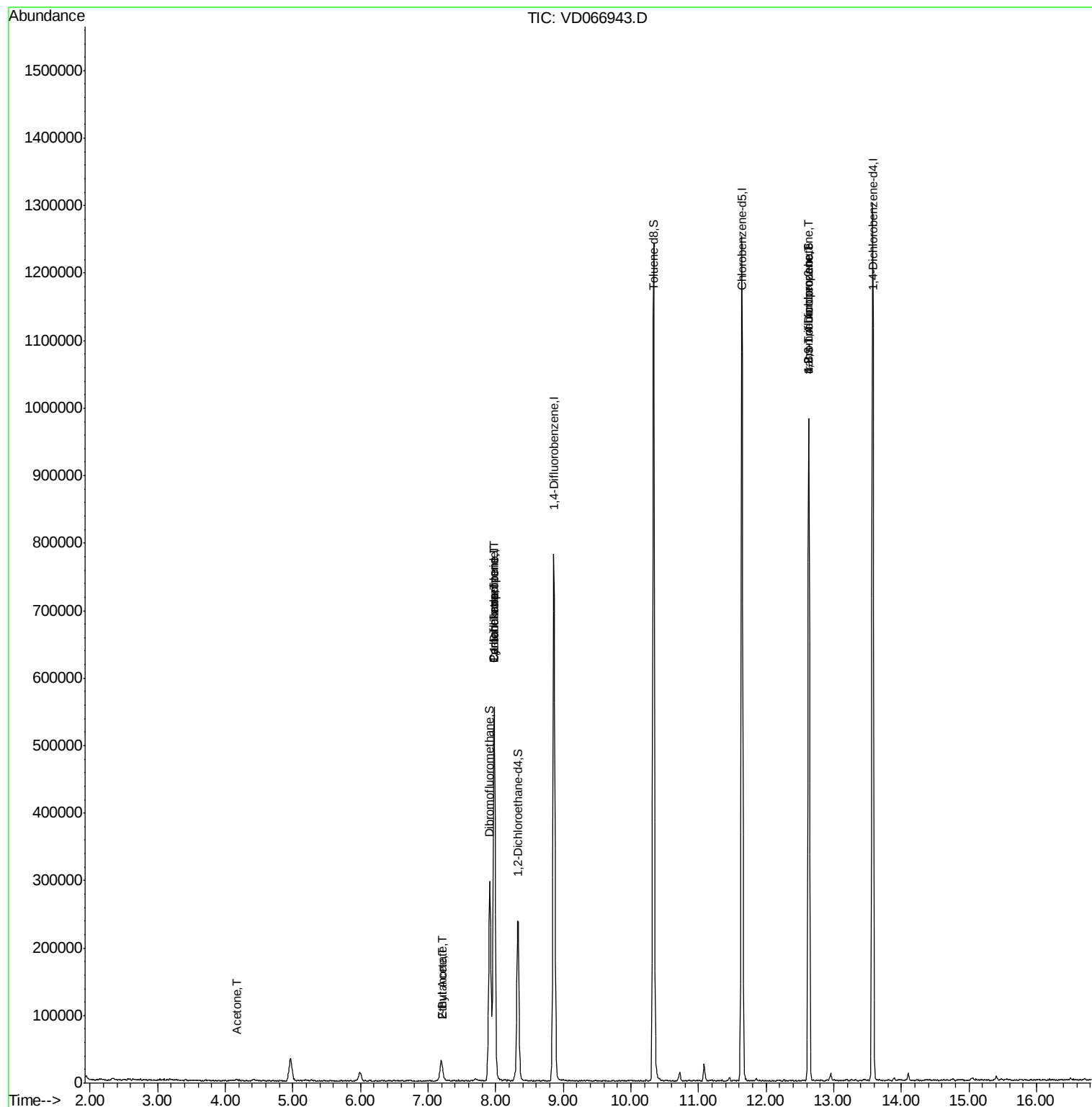
						Qvalue
2) Dichlorodifluoromethane	1.98	85	180	Below Cal	#	46
11) Tert butyl alcohol	5.17	59	519	Below Cal	#	72
16) Acetone	4.16	43	4009	4.706	ug/l #	43
18) Methyl Acetate	4.93	43	91	Below Cal	#	50
20) Methylene Chloride	4.96	84	26080	Below Cal	#	91
25) 2-Butanone	7.21	43	3259	3.184	ug/l #	46
31) Cyclohexane	7.97	56	8858	1.213	ug/l #	27
36) 1,1-Dichloropropene	7.98	75	32258	4.746	ug/l #	50
37) Ethyl Acetate	7.21	43	3259	1.326	ug/l #	70
38) Carbon Tetrachloride	7.98	117	42049	5.659	ug/l #	20
76) 1,2,3-Trichloropropane	12.63	75	162878	55.900	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	162878	139.856	ug/l #	10

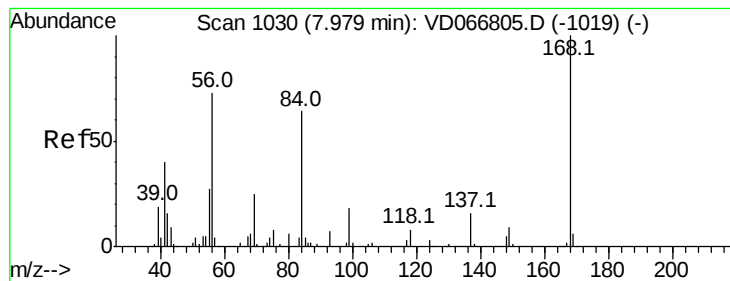
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\
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Quant Time: Sep 30 02:37:26 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066943.D

Acq: 29 Sep 2020 17:15

Instrument :

MSVOA_D

ClientSampleId :

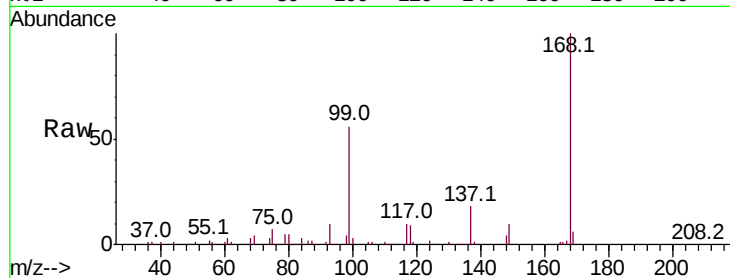
B-8(11-13)

Tot Ion:168 Resp: 410254

Ion Ratio Lower Upper

168 100

99 56.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

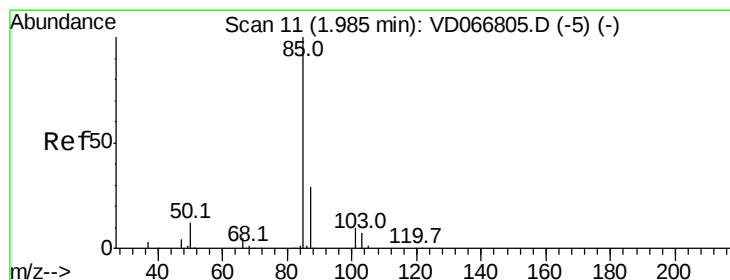
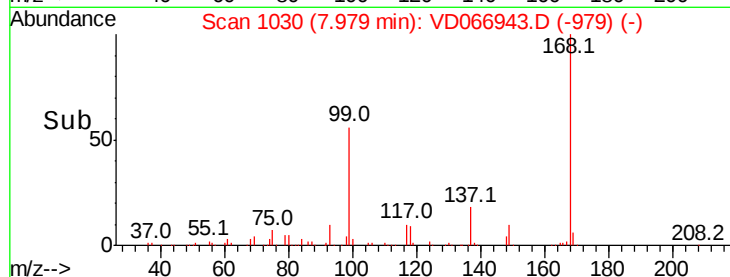
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066943.D

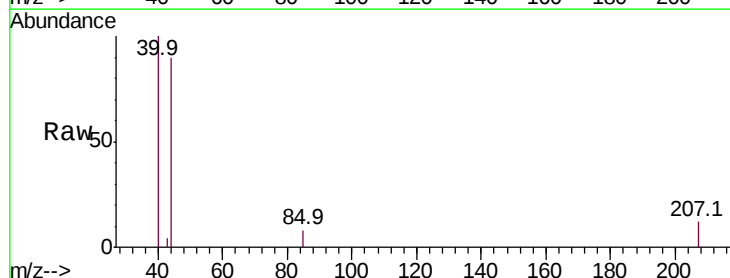
Acq: 29 Sep 2020 17:15

Tgt Ion: 85 Resp: 180

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

300

250

200

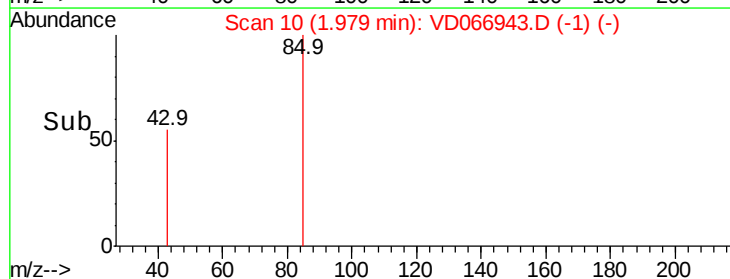
150

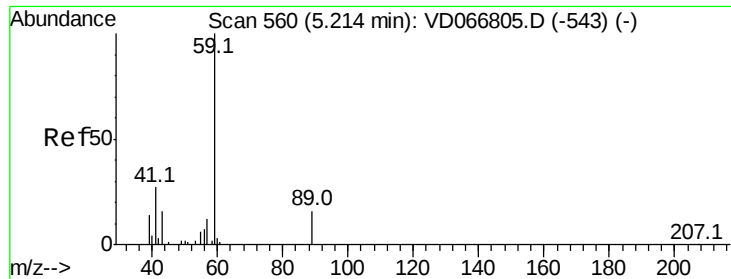
100

50

0

Time-->



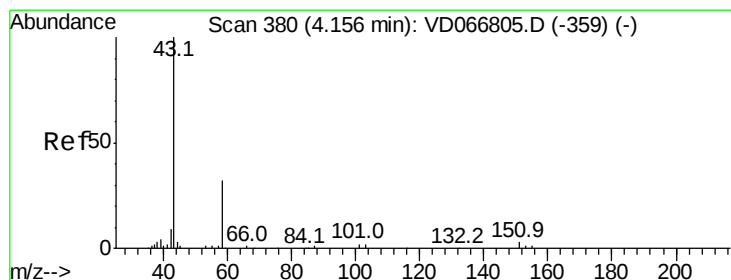
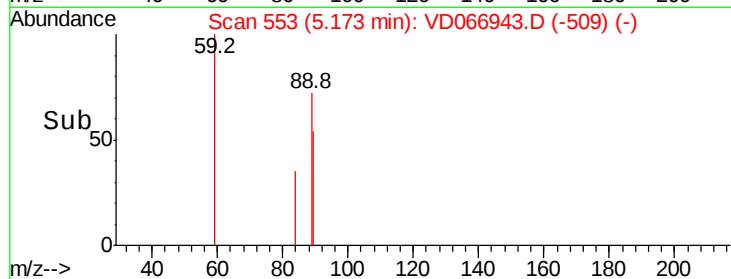
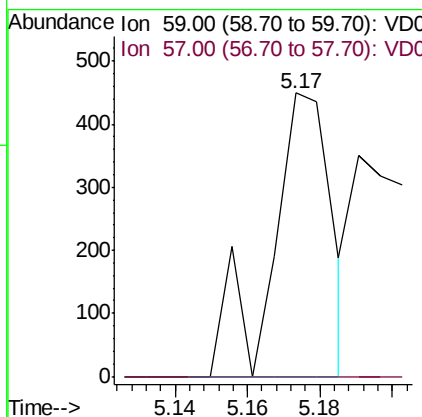
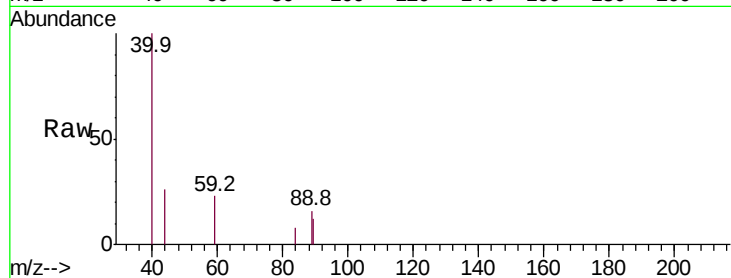


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 553
 Delta R.T. -0.04 min
 Lab File: VD066943.D
 Acq: 29 Sep 2020 17:15

Instrument :
 MSVOA_D
 ClientSampleId :
 B-8(11-13)

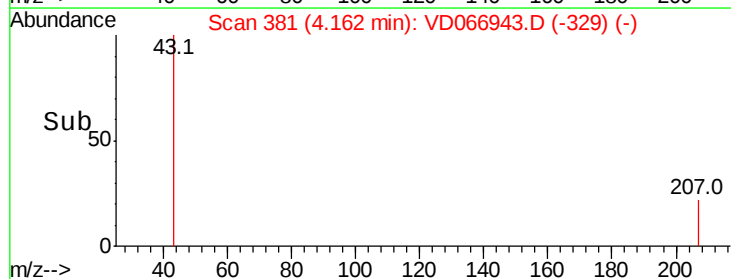
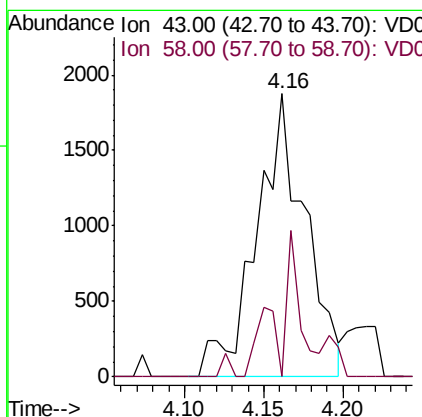
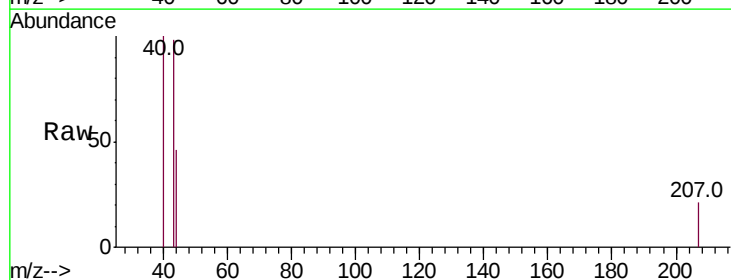
Tot Ion: 59 Resp: 519
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

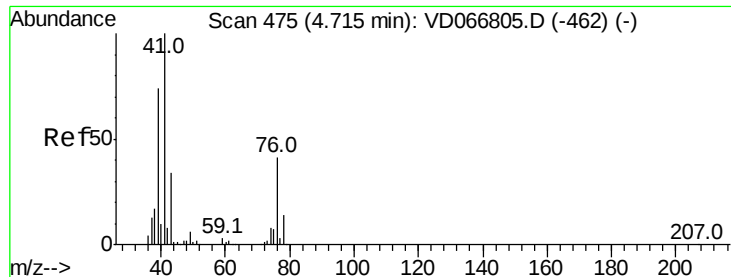


#16

Acetone
 Concen: 4.706 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066943.D
 Acq: 29 Sep 2020 17:15

Tgt Ion: 43 Resp: 4009
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.6 38.4#

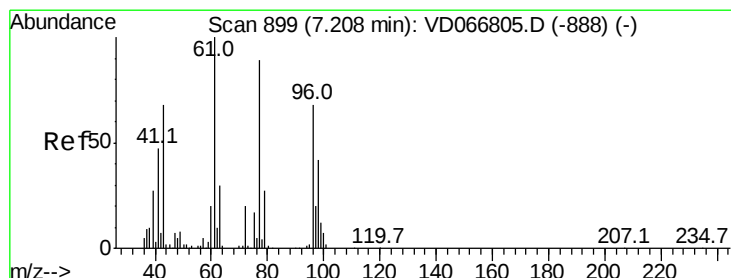
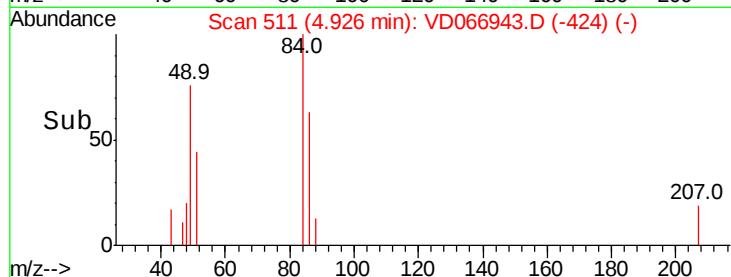
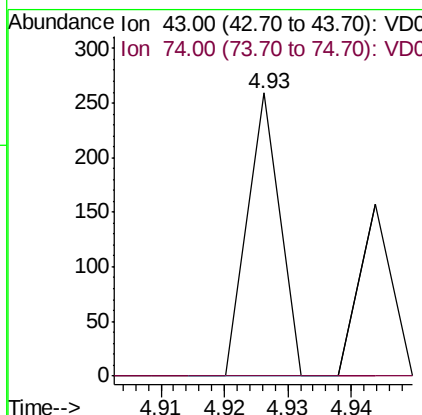
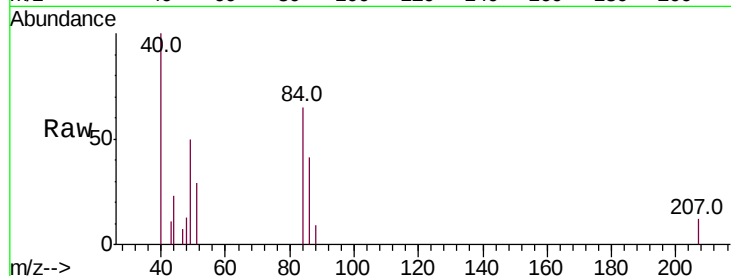




#18
Methyl Acetate
Concen: Below Cal
RT: 4.93 min Scan# 511
Delta R.T. 0.21 min
Lab File: VD066943.D
Acq: 29 Sep 2020 17:15

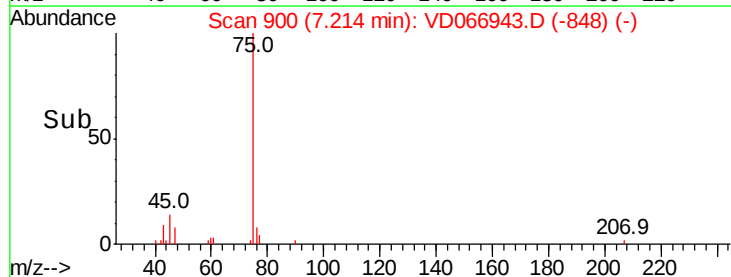
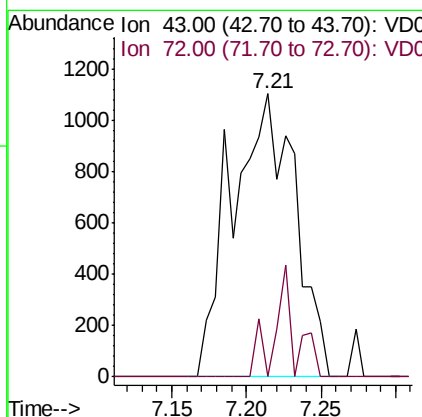
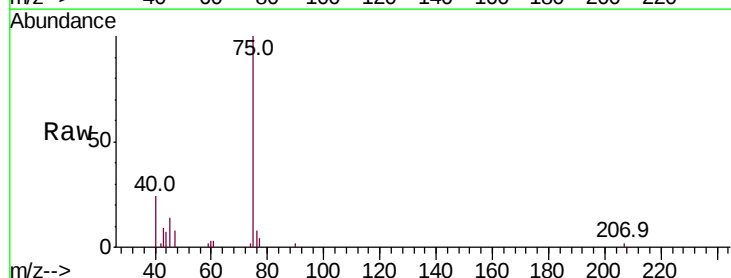
Instrument :
MSVOA_D
ClientSampleId :
B-8(11-13)

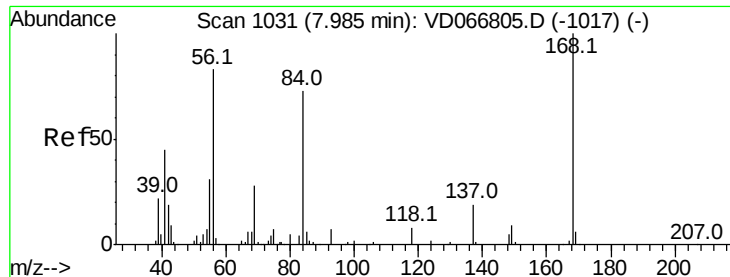
Tot Ion: 43 Resp: 91
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#25
2-Butanone
Concen: 3.184 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066943.D
Acq: 29 Sep 2020 17:15

Tgt Ion: 43 Resp: 3259
Ion Ratio Lower Upper
43 100
72 0.0 22.9 34.3#

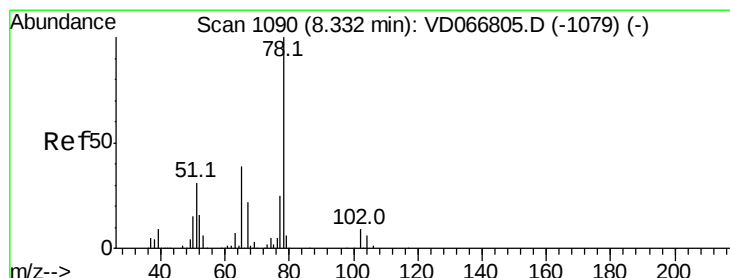
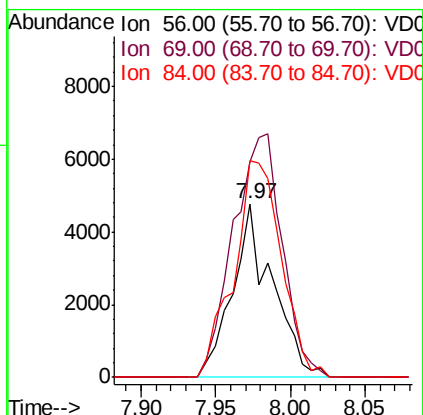
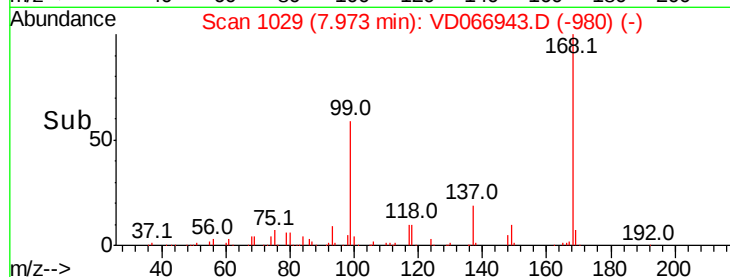
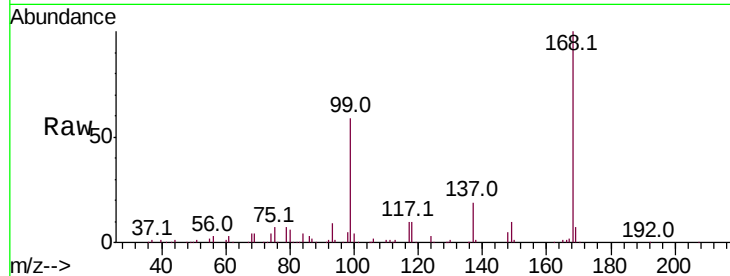




#31
Cyclohexane
Concen: 1.213 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066943.D
Acq: 29 Sep 2020 17:15

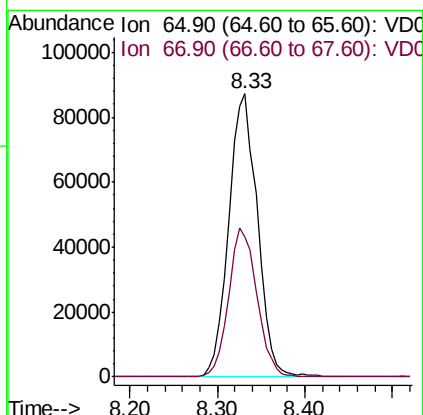
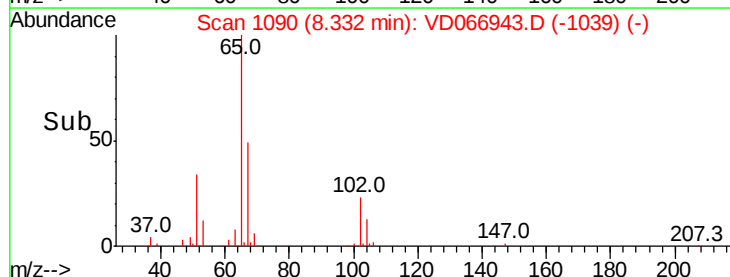
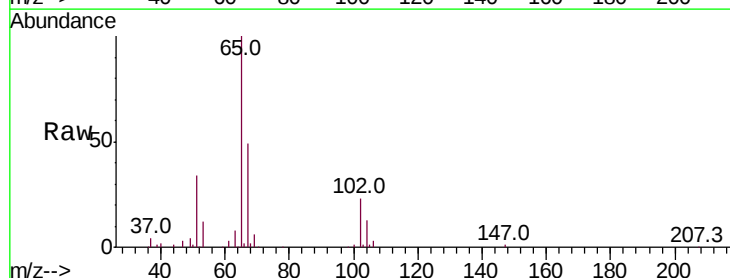
Instrument :
MSVOA_D
ClientSampleId :
B-8(11-13)

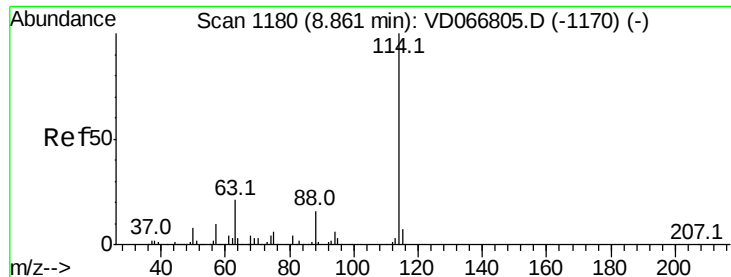
Tot Ion: 56 Resp: 8858
Ion Ratio Lower Upper
56 100
69 124.3 27.0 40.4#
84 124.6 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 48.432 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD066943.D
Acq: 29 Sep 2020 17:15

Tgt Ion: 65 Resp: 194475
Ion Ratio Lower Upper
65 100
67 51.7 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066943.D

Acq: 29 Sep 2020 17:15

Instrument :

MSVOA_D

ClientSampleId :

B-8(11-13)

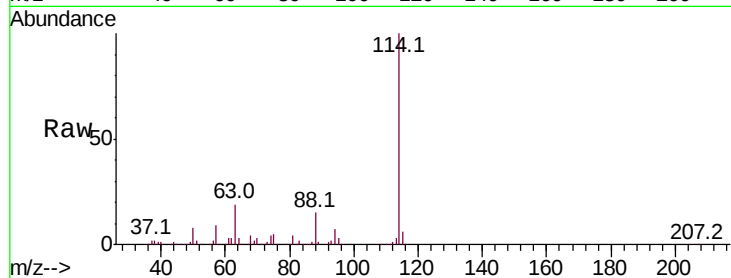
Tot Ion:114 Resp: 685117

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.6

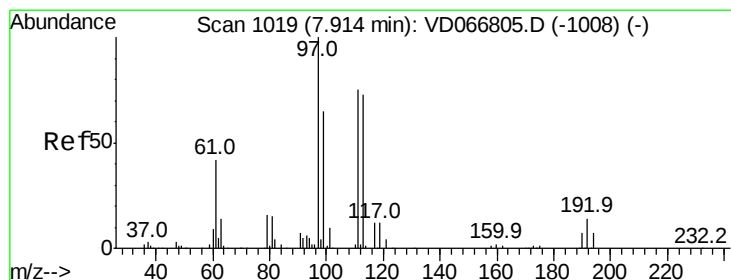
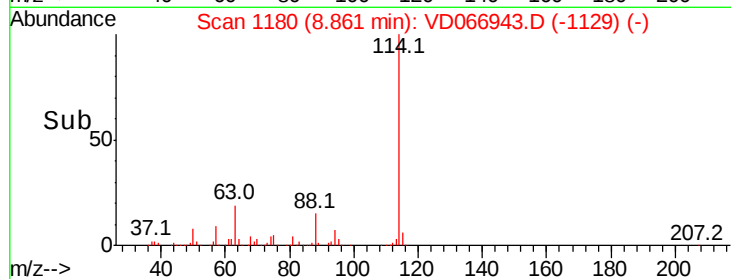
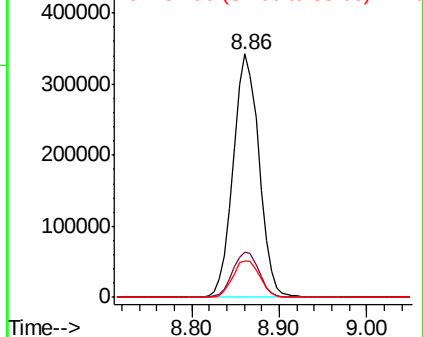
88 15.1 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 48.810 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066943.D

Acq: 29 Sep 2020 17:15

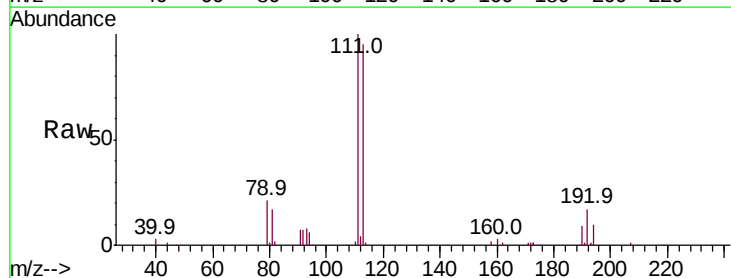
Tgt Ion:113 Resp: 212748

Ion Ratio Lower Upper

113 100

111 104.1 81.8 122.8

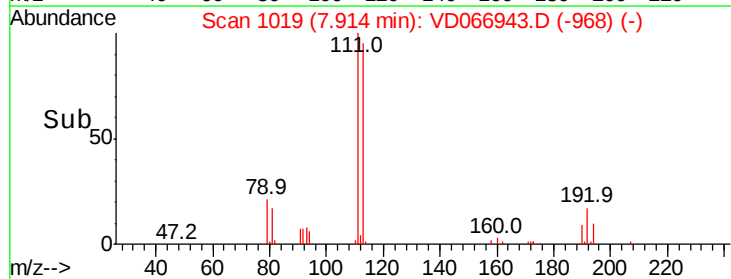
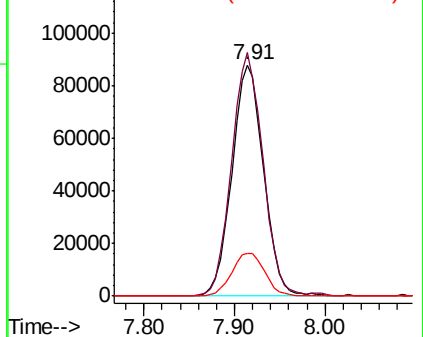
192 19.4 14.4 21.6

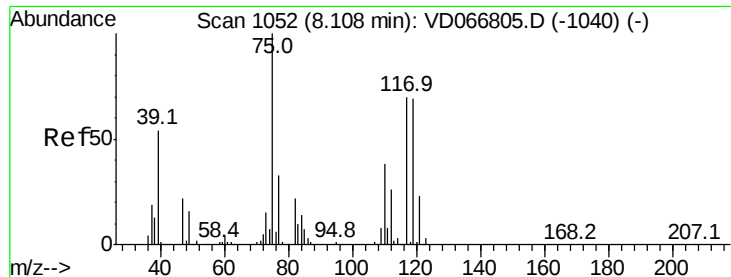


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.746 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066943.D

Acq: 29 Sep 2020 17:15

Instrument :

MSVOA_D

ClientSampleId :

B-8(11-13)

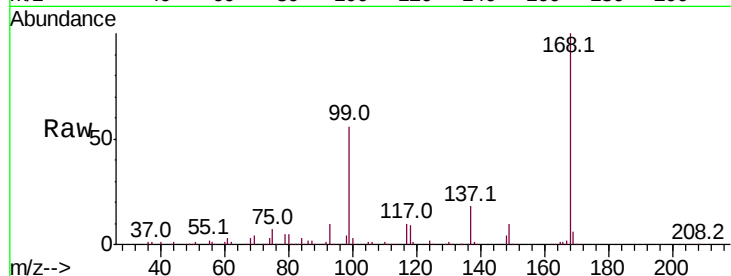
Tot Ion: 75 Resp: 32258

Ion Ratio Lower Upper

75 100

110 9.7 17.9 53.8#

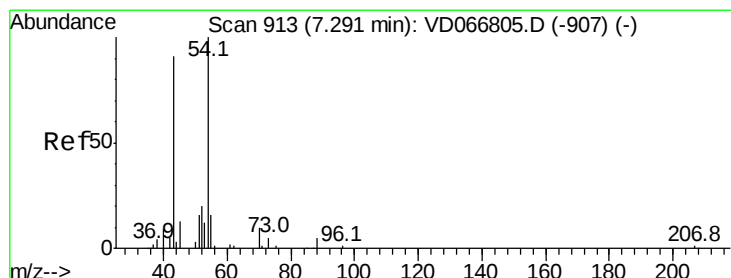
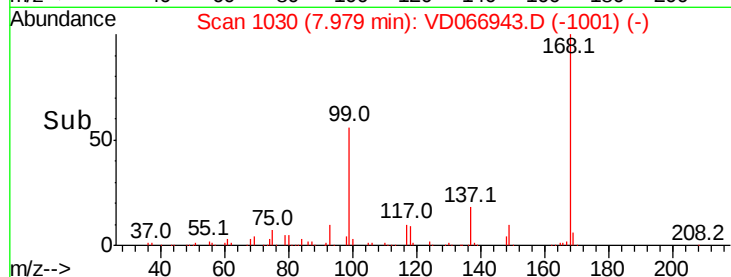
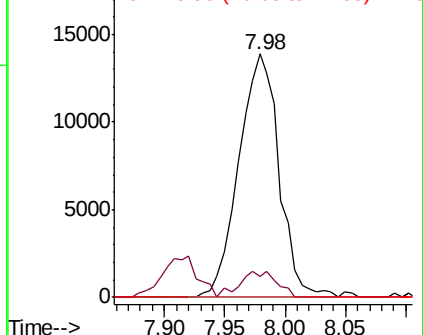
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 1.326 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.08 min

Lab File: VD066943.D

Acq: 29 Sep 2020 17:15

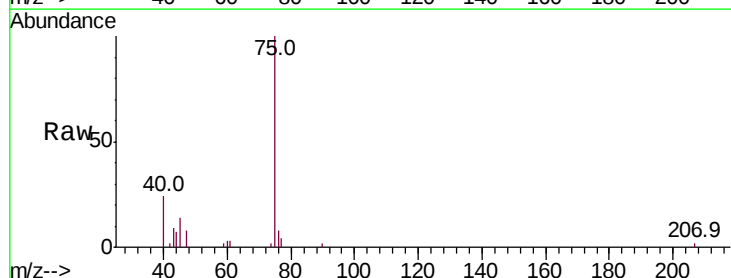
Tgt Ion: 43 Resp: 3259

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

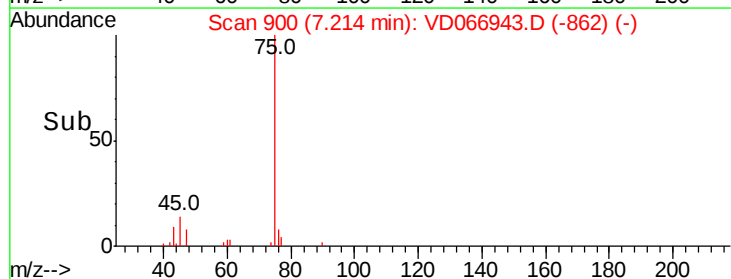
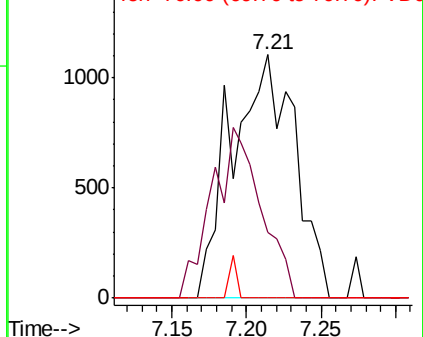
70 0.0 8.5 12.7#

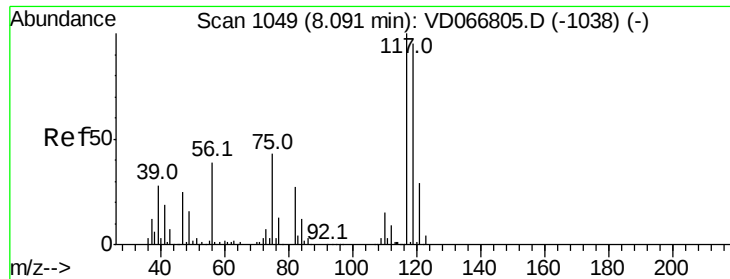


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.659 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066943.D

Acq: 29 Sep 2020 17:15

Instrument :

MSVOA_D

ClientSampleId :

B-8(11-13)

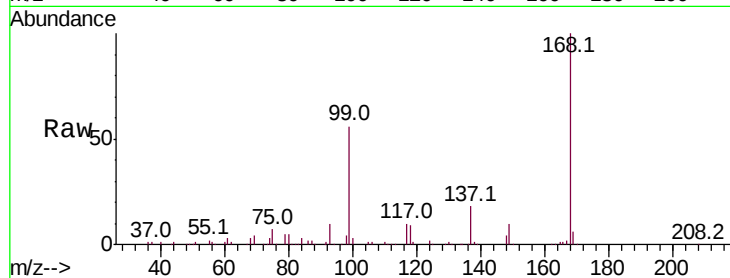
Tot Ion:117 Resp: 42049

Ion Ratio Lower Upper

117 100

119 9.3 75.8 113.8#

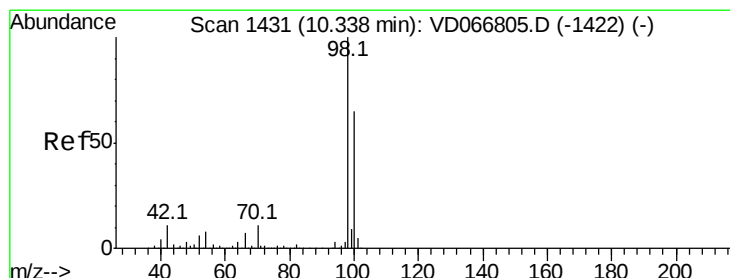
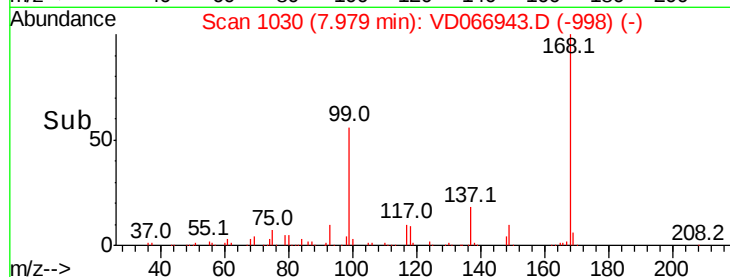
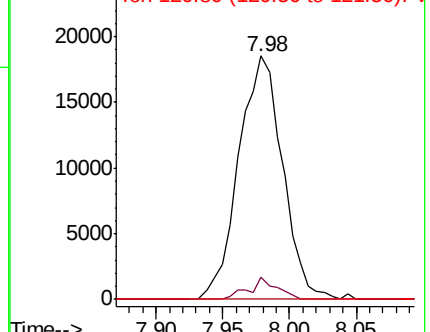
121 0.0 23.4 35.0#



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: 56.289 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066943.D

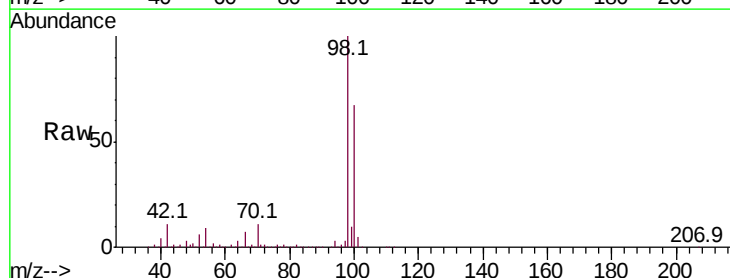
Acq: 29 Sep 2020 17:15

Tgt Ion: 98 Resp: 835939

Ion Ratio Lower Upper

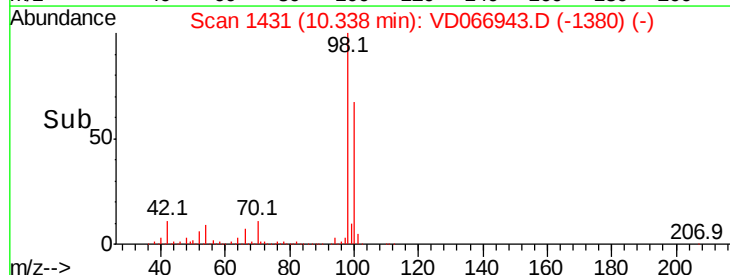
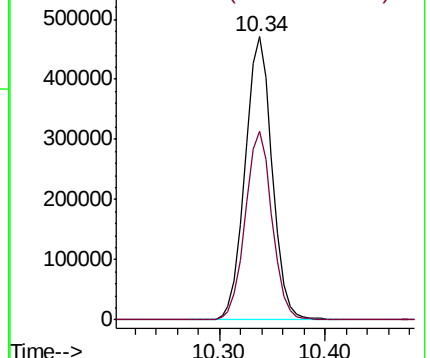
98 100

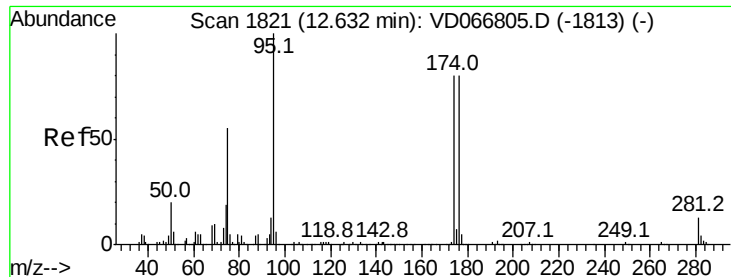
100 66.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

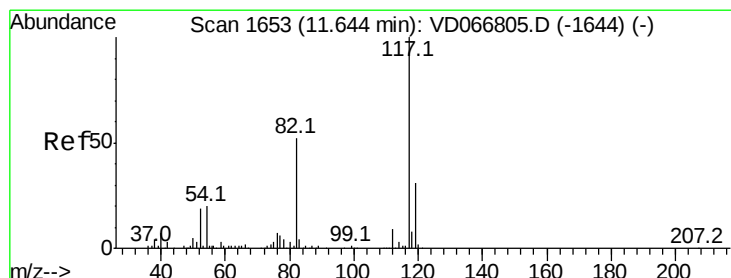
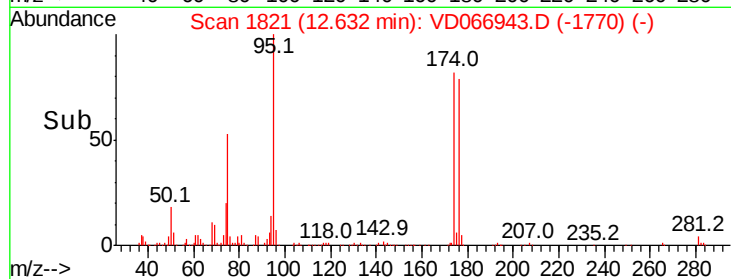
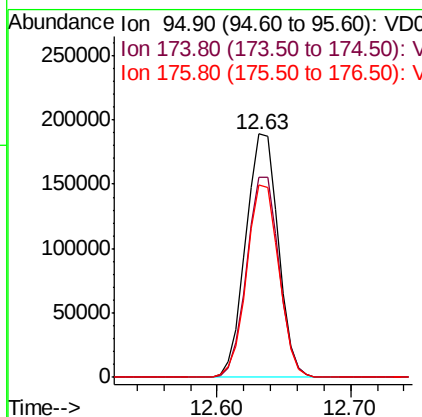
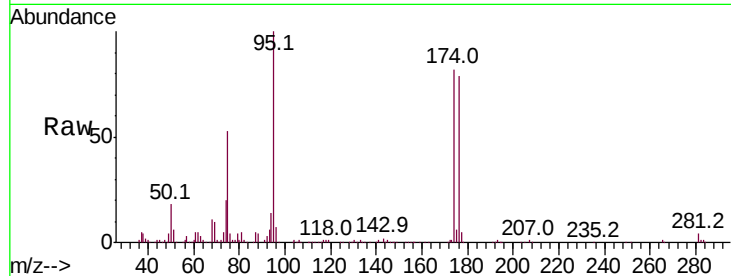




#62
4-Bromofluorobenzene
Concen: 62.461 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066943.D
Acq: 29 Sep 2020 17:15

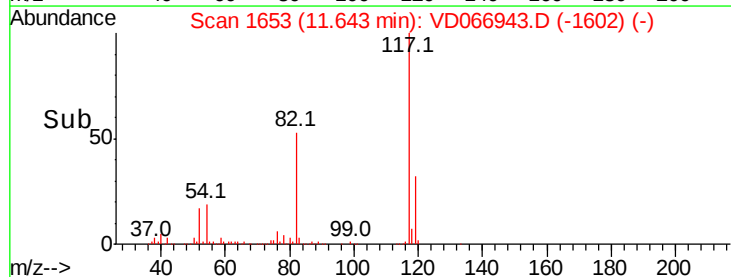
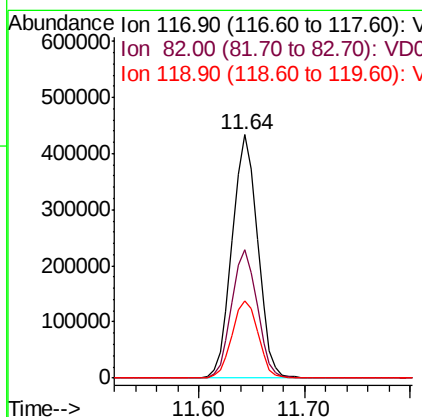
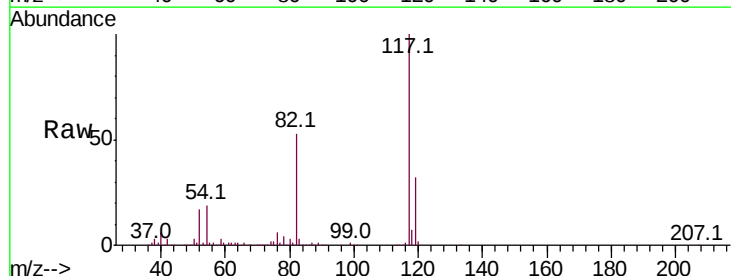
Instrument :
MSVOA_D
ClientSampleId :
B-8(11-13)

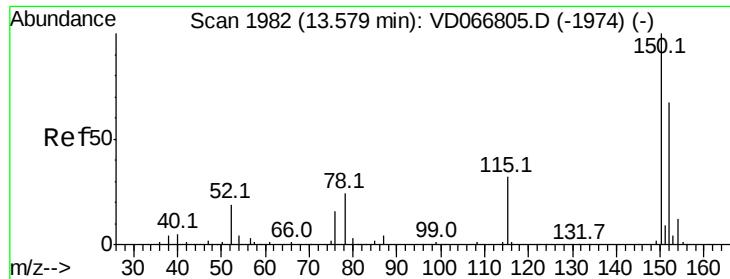
Tot Ion	95	Resp	317552
Ion Ratio	Lower	Upper	
95	100		
174	81.7	0.0	159.8
176	78.1	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066943.D
Acq: 29 Sep 2020 17:15

Tgt Ion	117	Resp	726427
Ion Ratio	Lower	Upper	
117	100		
82	52.7	41.8	62.6
119	31.6	24.6	37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066943.D

Acq: 29 Sep 2020 17:15

Instrument :

MSVOA_D

ClientSampleId :

B-8(11-13)

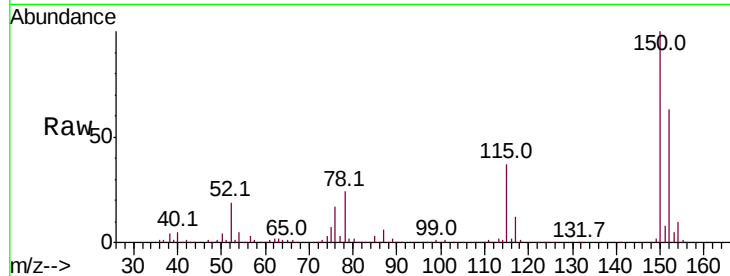
Tot Ion:152 Resp: 351597

Ion Ratio Lower Upper

152 100

115 59.0 30.3 91.0

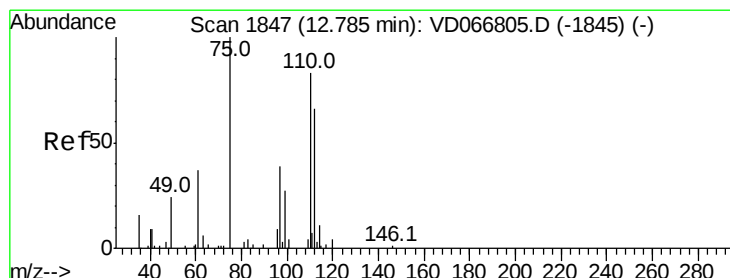
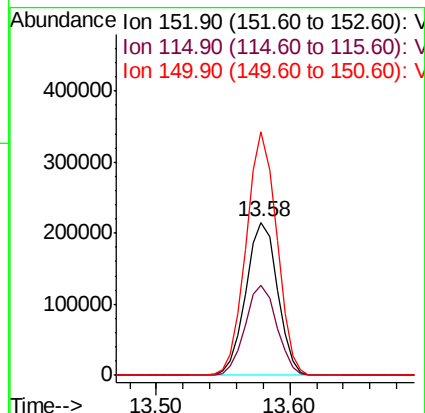
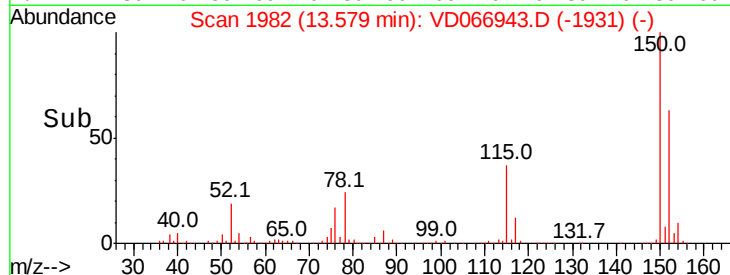
150 154.5 0.0 346.2



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: 55.900 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066943.D

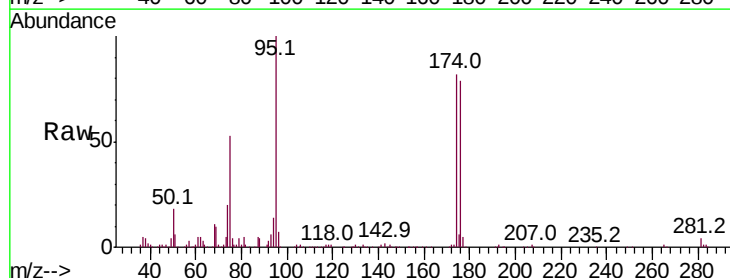
Acq: 29 Sep 2020 17:15

Tgt Ion: 75 Resp: 162878

Ion Ratio Lower Upper

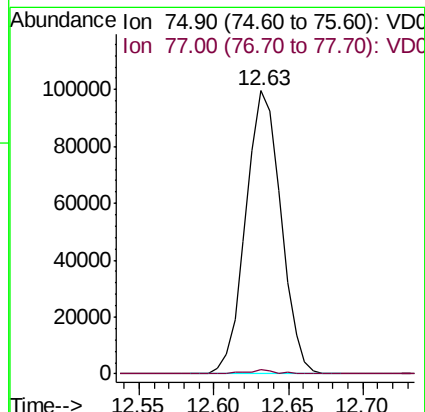
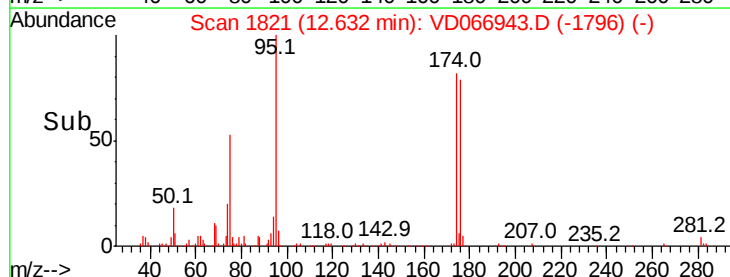
75 100

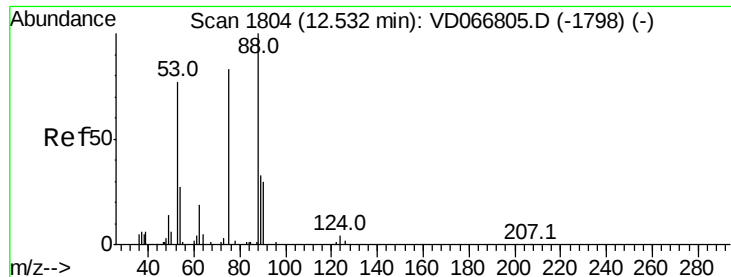
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 139.856 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066943.D

Acq: 29 Sep 2020 17:15

Instrument :

MSVOA_D

ClientSampleId :

B-8(11-13)

Tot Ion: 75 Resp: 162878

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.1 38.1 57.1#

