

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092820\
 Data File : VD066917.D
 Acq On : 28 Sep 2020 17:00
 Operator : VA/SY
 Sample : L4160-01
 Misc : 7.94G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 11976

Quant Time: Sep 29 00:58:07 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	373393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	665646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	682398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310306	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	195610	53.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.04%	
35) Dibromofluoromethane	7.91	113	205528	48.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.06%	
50) Toluene-d8	10.34	98	810512	56.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.34%	
62) 4-Bromofluorobenzene	12.63	95	287724	58.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.50%	

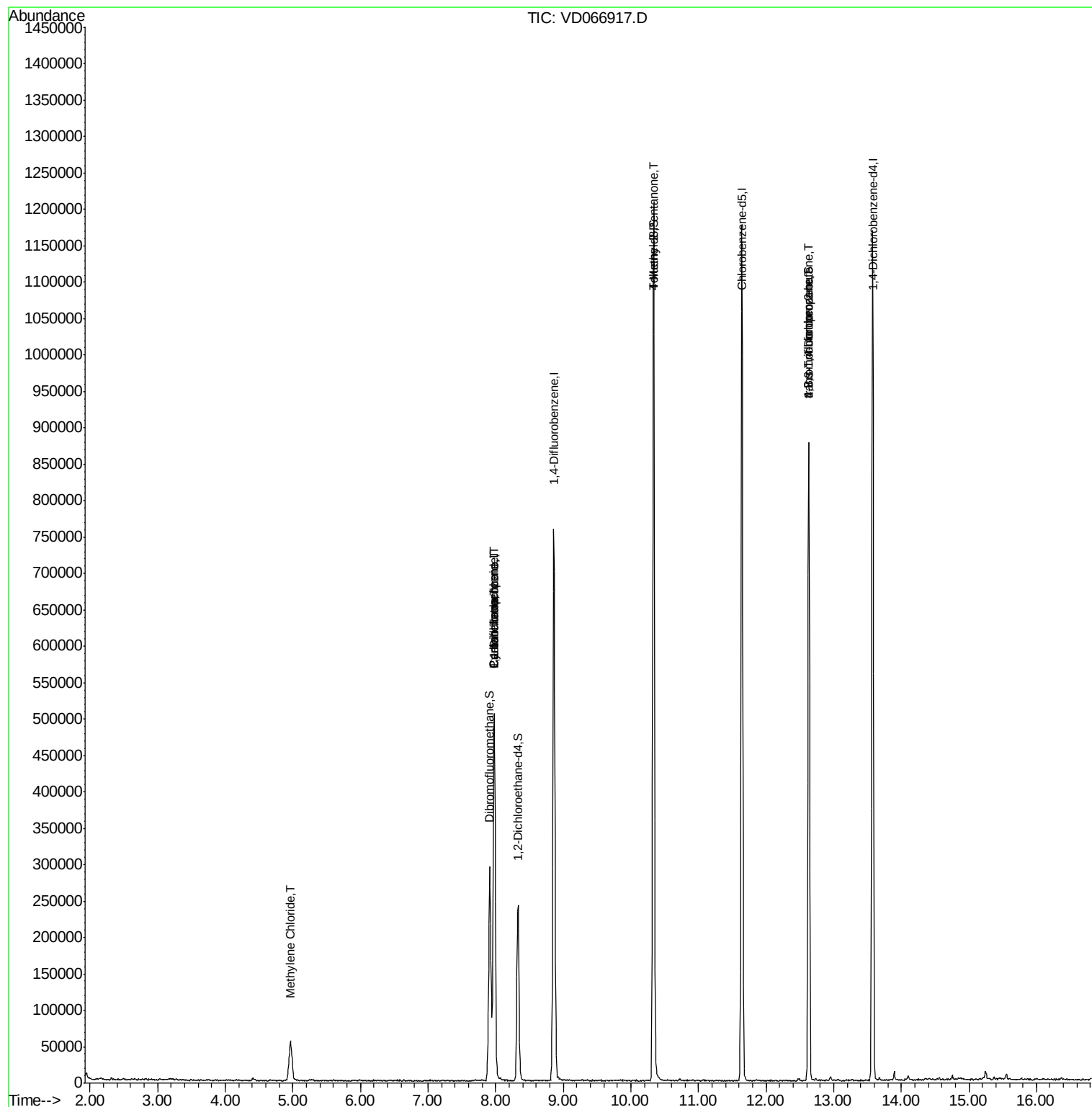
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	334	Below Cal	#	46
18) Methyl Acetate	4.74	43	144	Below Cal	#	50
20) Methylene Chloride	4.97	84	43156	5.085	ug/l	91
31) Cyclohexane	7.98	56	8728	1.313	ug/l #	8
36) 1,1-Dichloropropene	7.98	75	29601	4.482	ug/l #	49
38) Carbon Tetrachloride	7.98	117	38979	5.399	ug/l #	18
49) 1,4-Dioxane	9.44	88	56	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.34	43	3238	1.388	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	148280	57.661	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	148280	144.263	ug/l #	10

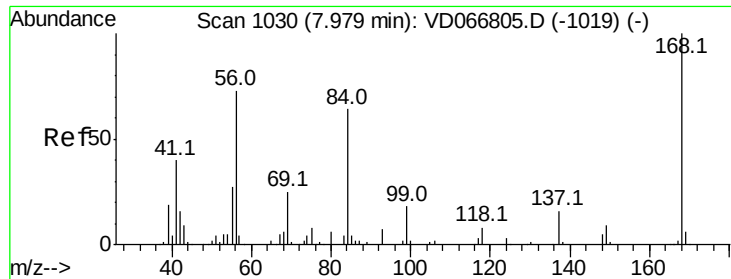
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092820\
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Sep 29 00:58:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 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: VD066917.D

Acq: 28 Sep 2020 17:00

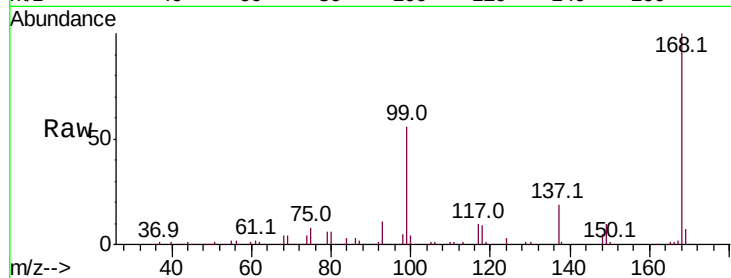
Instrument :
MSVOA_D
ClientSampled :
11976

Tot Ion:168 Resp: 373393

Ion Ratio Lower Upper

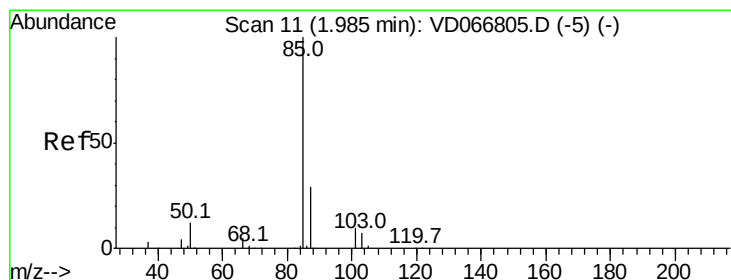
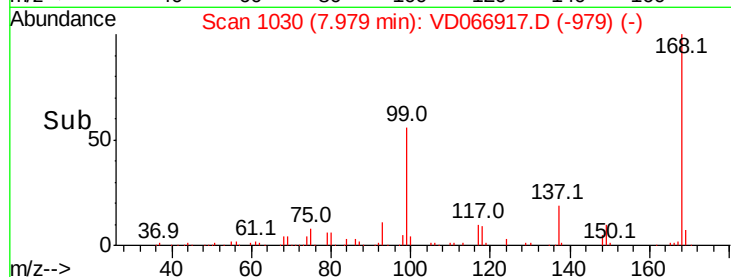
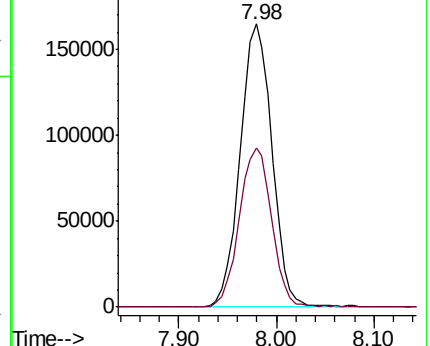
168 100

99 56.4 46.6 69.8



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. 0.01 min

Lab File: VD066917.D

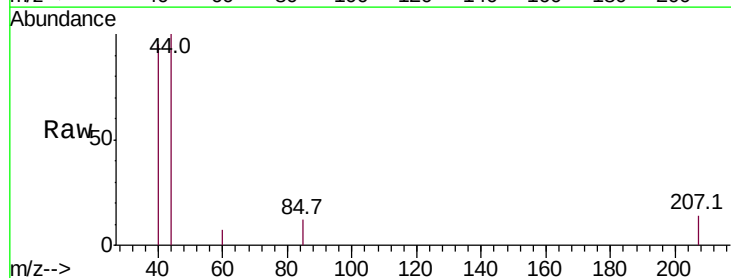
Acq: 28 Sep 2020 17:00

Tgt Ion: 85 Resp: 334

Ion Ratio Lower Upper

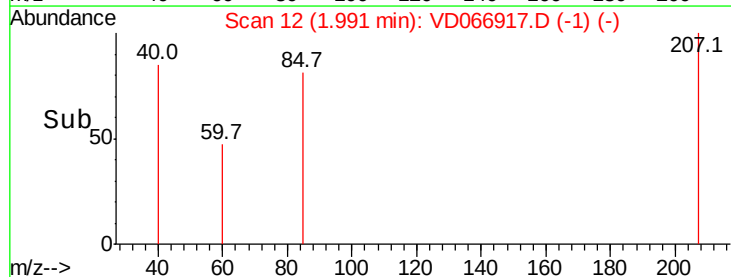
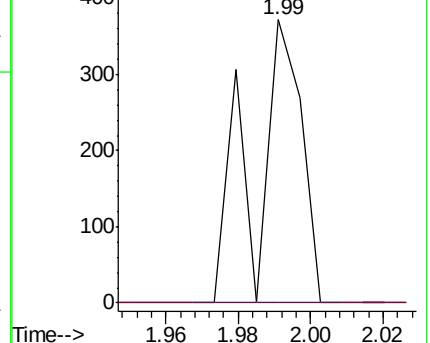
85 100

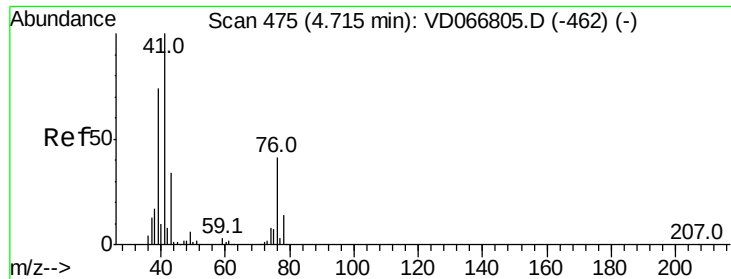
87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

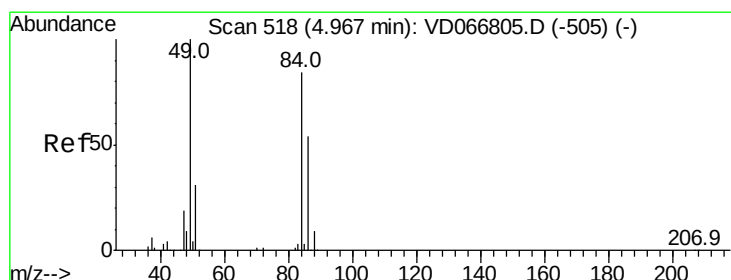
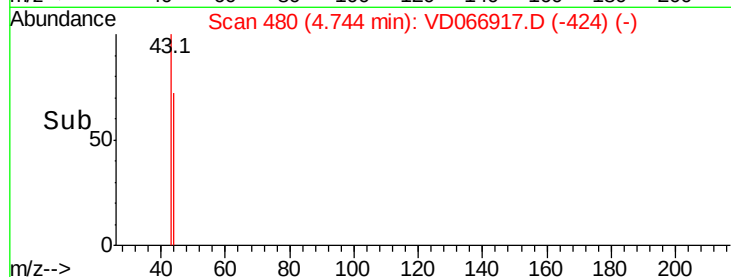
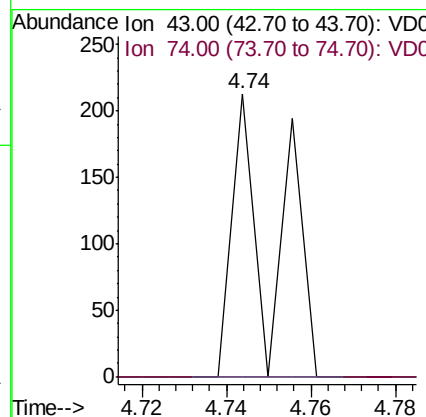
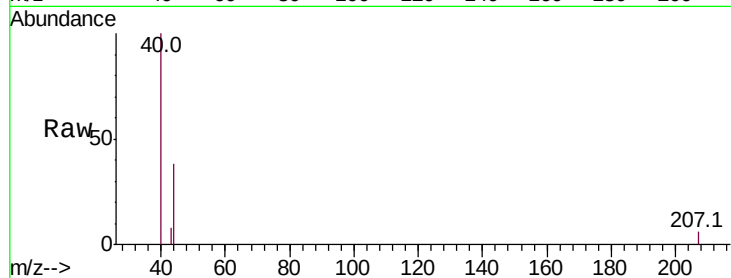




#18
Methyl Acetate
Concen: Below Cal
RT: 4.74 min Scan# 480
Delta R.T. 0.03 min
Lab File: VD066917.D
Acq: 28 Sep 2020 17:00

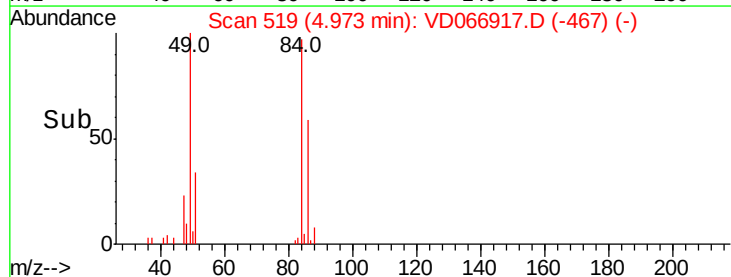
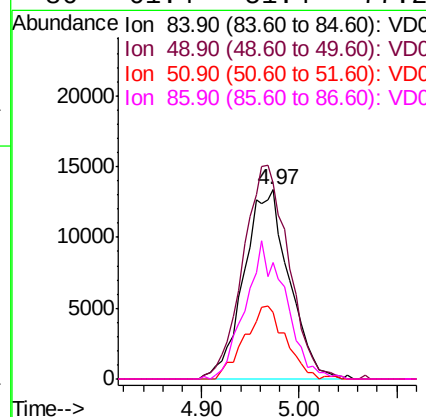
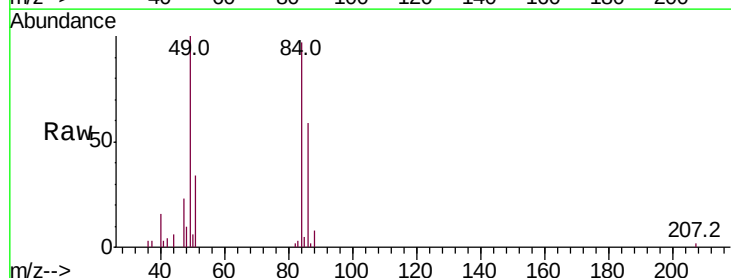
Instrument :
MSVOA_D
ClientSampled :
11976

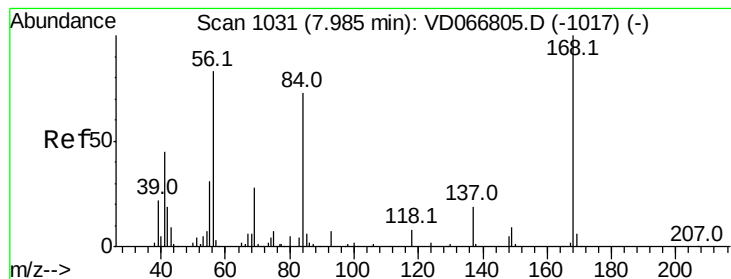
Tot Ion: 43 Resp: 144
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 5.085 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066917.D
Acq: 28 Sep 2020 17:00

Tgt Ion: 84 Resp: 43156
Ion Ratio Lower Upper
84 100
49 103.5 95.4 143.2
51 34.9 29.7 44.5
86 61.4 51.4 77.2





#31

Cyclohexane

Concen: 1.313 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066917.D

Acq: 28 Sep 2020 17:00

Instrument :

MSVOA_D

ClientSampleId :

11976

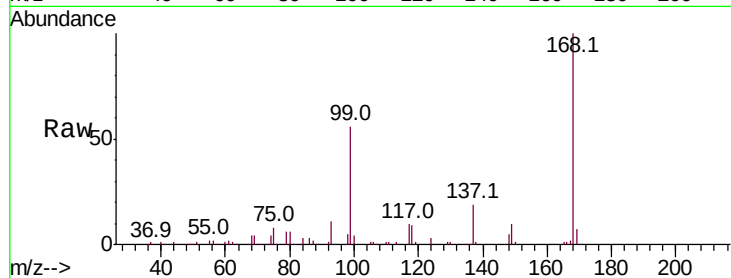
Tot Ion: 56 Resp: 8728

Ion Ratio Lower Upper

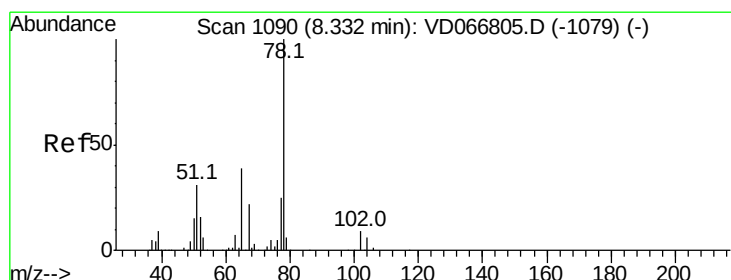
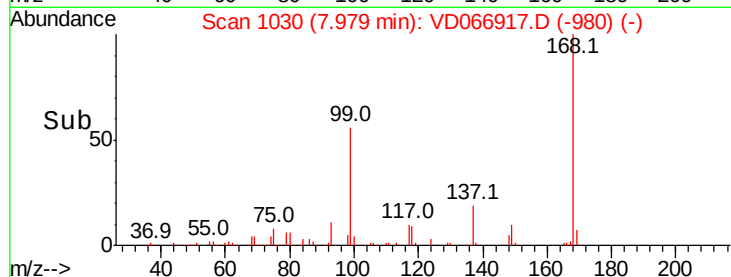
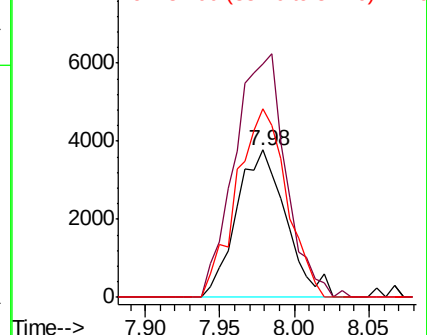
56 100

69 158.0 27.0 40.4#

84 127.9 70.2 105.4#



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 53.524 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066917.D

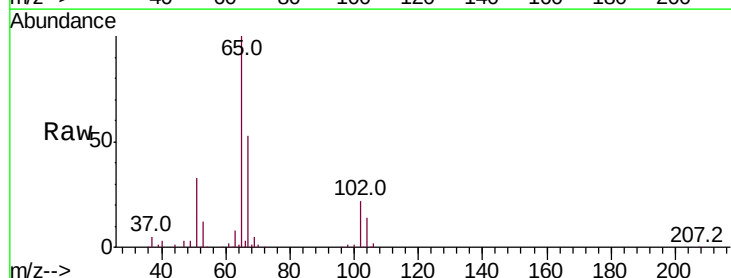
Acq: 28 Sep 2020 17:00

Tgt Ion: 65 Resp: 195610

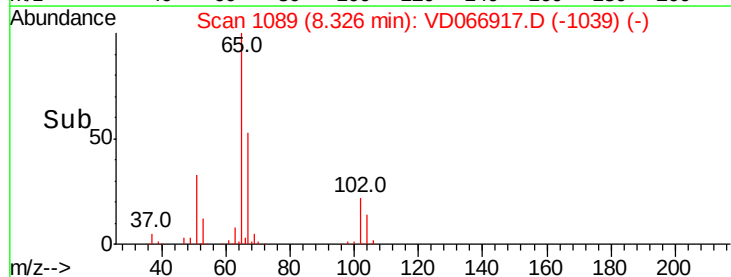
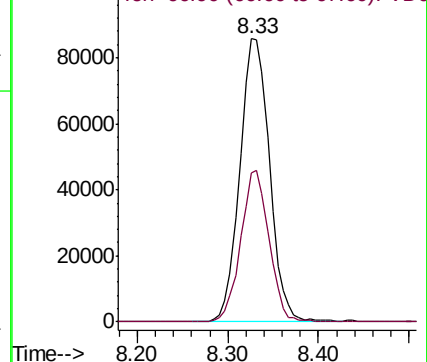
Ion Ratio Lower Upper

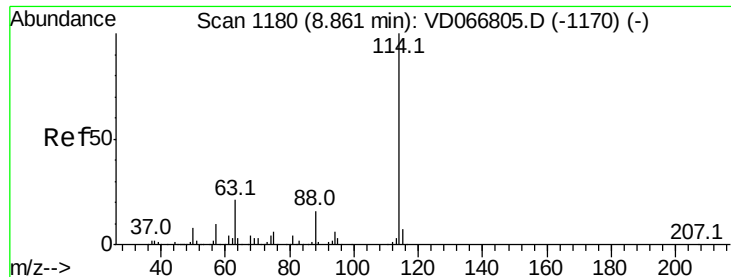
65 100

67 50.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

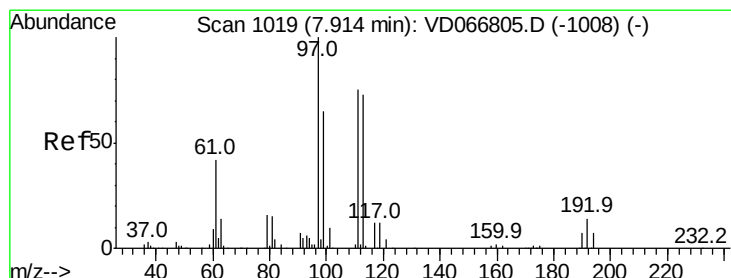
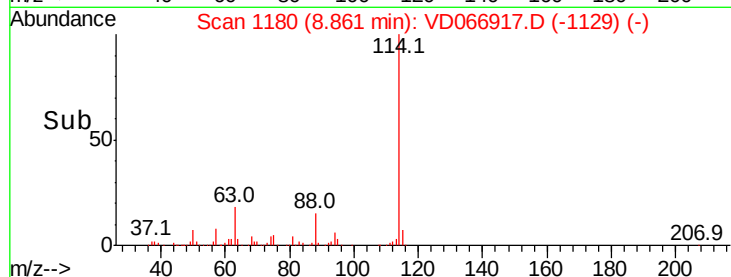
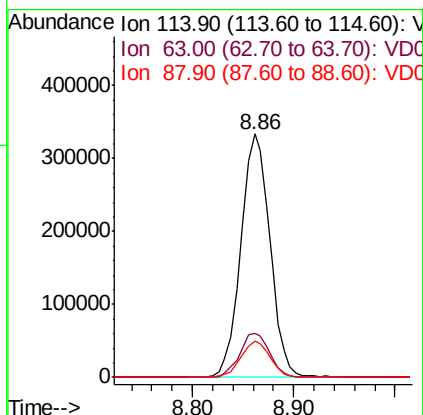
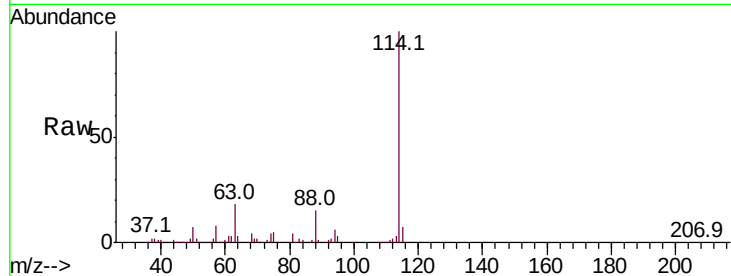




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066917.D
 Acq: 28 Sep 2020 17:00

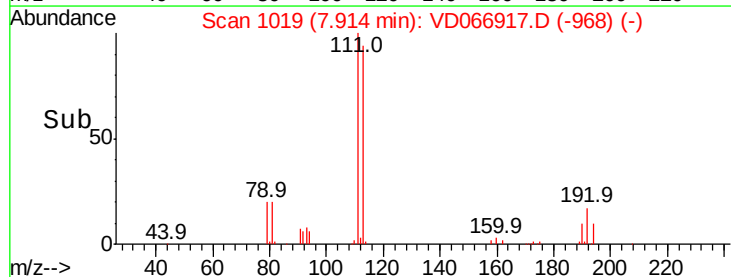
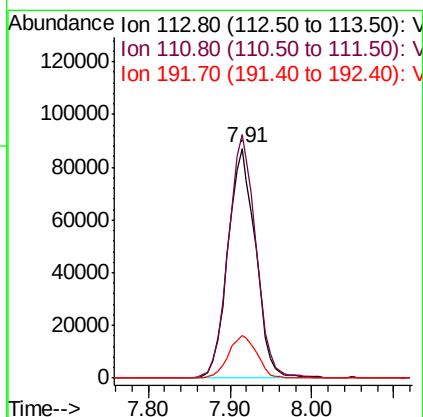
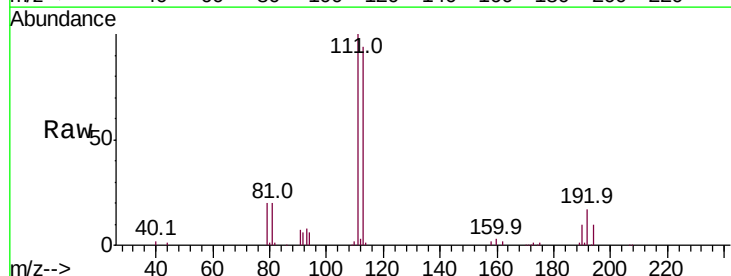
Instrument :
 MSVOA_D
 ClientSampleId :
 11976

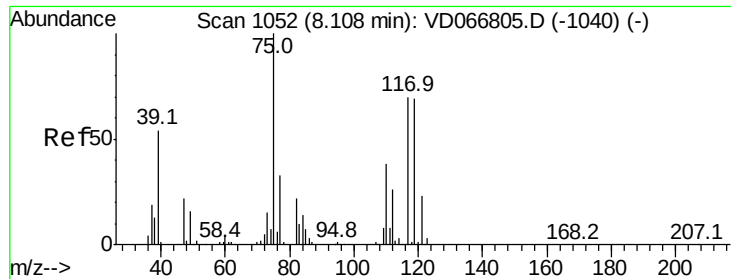
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	42.6
88	15.0	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 48.533 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066917.D
 Acq: 28 Sep 2020 17:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.7	81.8	122.8
192	18.9	14.4	21.6





#36

1,1-Dichloropropene

Concen: 4.482 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066917.D

Acq: 28 Sep 2020 17:00

Instrument :

MSVOA_D

ClientSampled :

11976

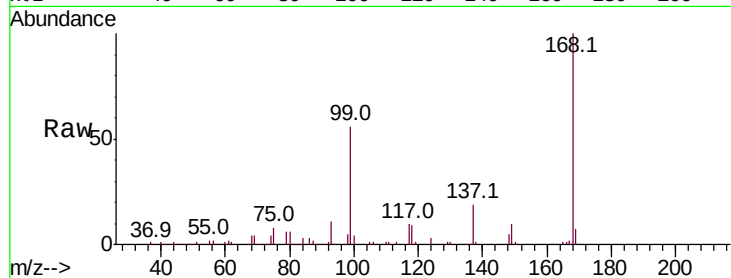
Tot Ion: 75 Resp: 29601

Ion Ratio Lower Upper

75 100

110 8.5 17.9 53.8#

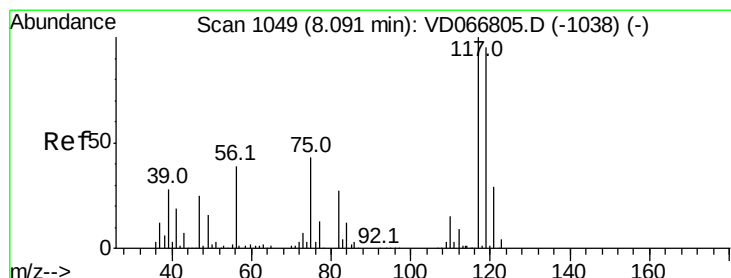
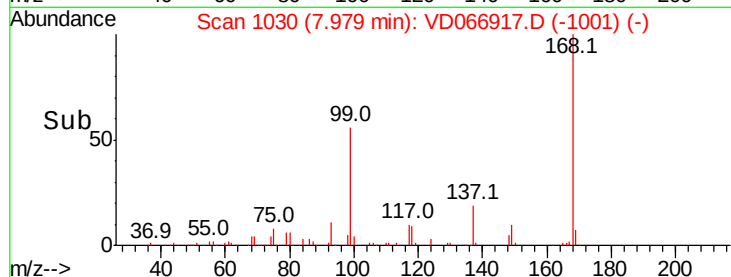
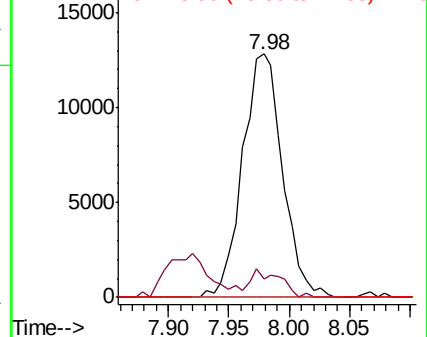
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VD066917.D (-1001) (-)

Ion 109.90 (109.60 to 110.60): VD066917.D (-1001) (-)

Ion 76.90 (76.60 to 77.60): VD066917.D (-1001) (-)



#38

Carbon Tetrachloride

Concen: 5.399 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066917.D

Acq: 28 Sep 2020 17:00

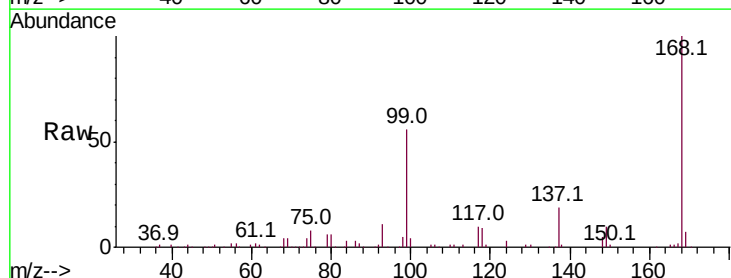
Tgt Ion: 117 Resp: 38979

Ion Ratio Lower Upper

117 100

119 7.7 75.8 113.8#

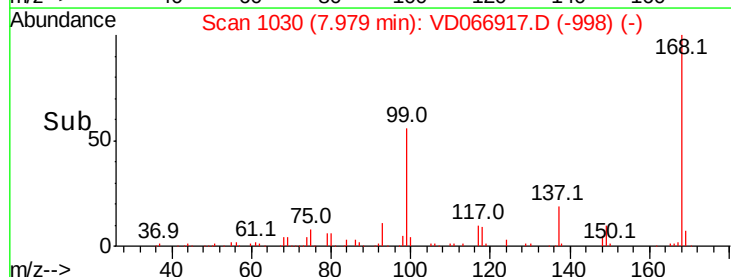
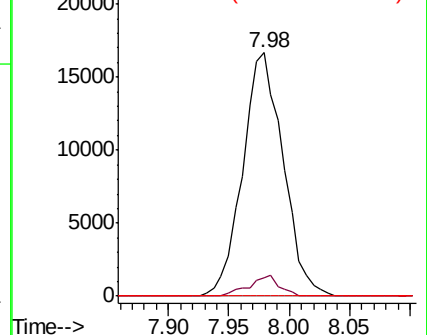
121 0.0 23.4 35.0#

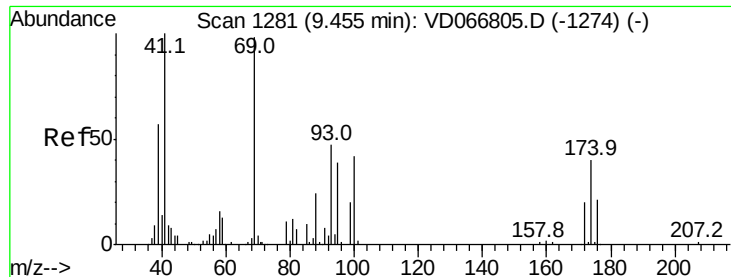


Abundance Ion 116.80 (116.50 to 117.50): VD066917.D (-998) (-)

Ion 118.80 (118.50 to 119.50): VD066917.D (-998) (-)

Ion 120.80 (120.50 to 121.50): VD066917.D (-998) (-)





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.44 min Scan# 1278

Delta R.T. -0.02 min

Lab File: VD066917.D

Acq: 28 Sep 2020 17:00

Instrument :

MSVOA_D

ClientSampleId :

11976

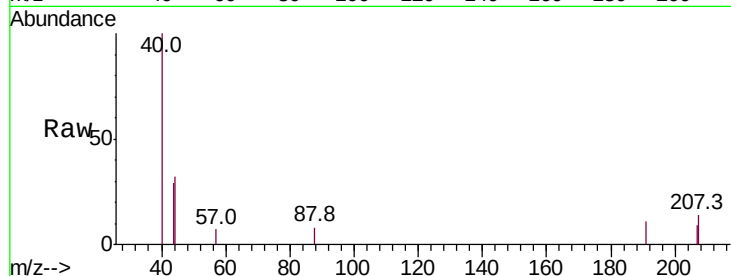
Tot Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 110.7 27.7 41.5#

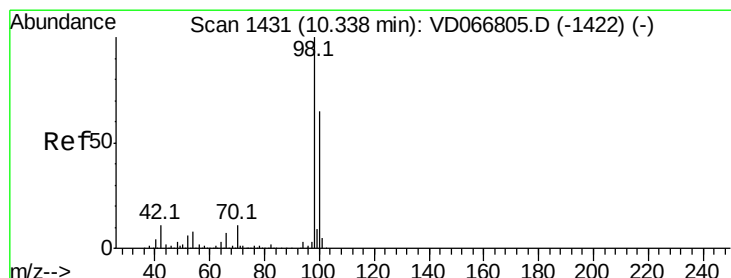
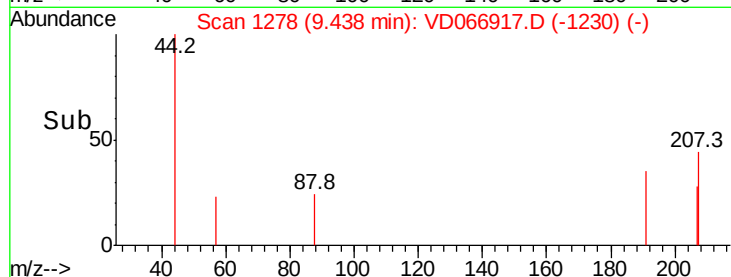
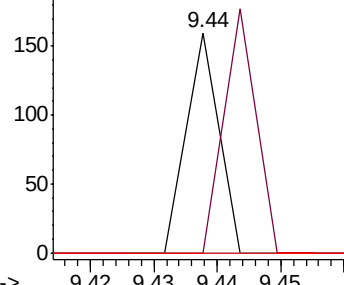
58 0.0 55.5 83.3#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 56.173 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066917.D

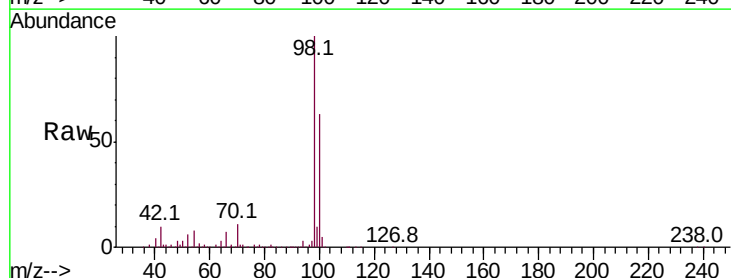
Acq: 28 Sep 2020 17:00

Tgt Ion: 98 Resp: 810512

Ion Ratio Lower Upper

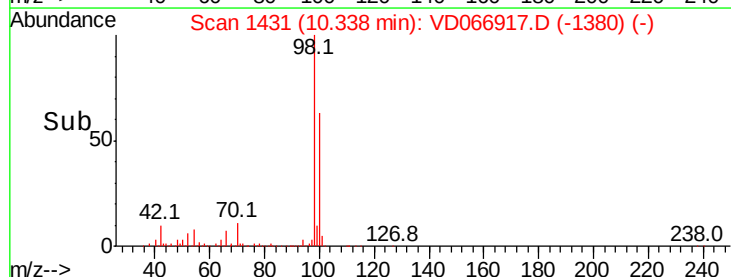
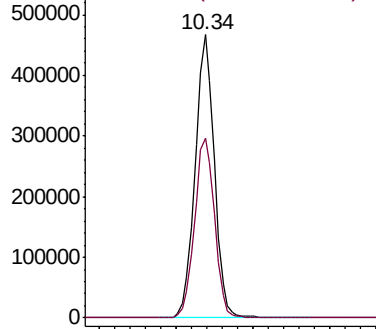
98 100

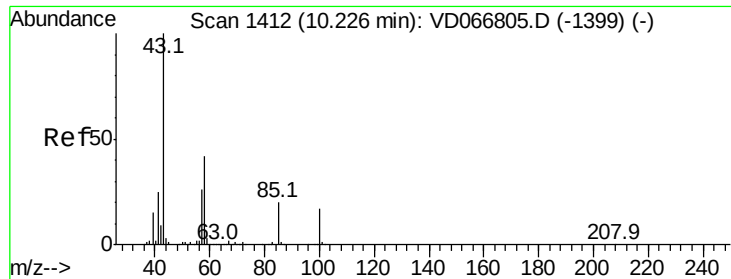
100 65.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.388 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066917.D

Acq: 28 Sep 2020 17:00

Instrument :

MSVOA_D

ClientSampleId :

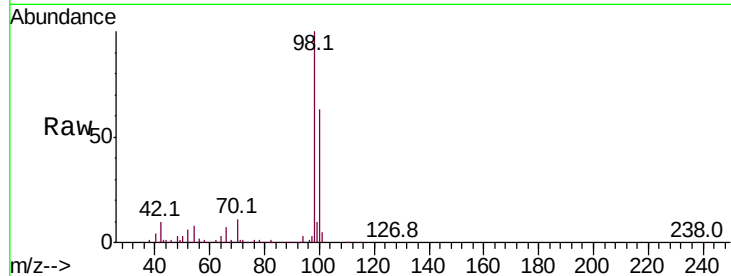
11976

Tot Ion: 43 Resp: 3238

Ion Ratio Lower Upper

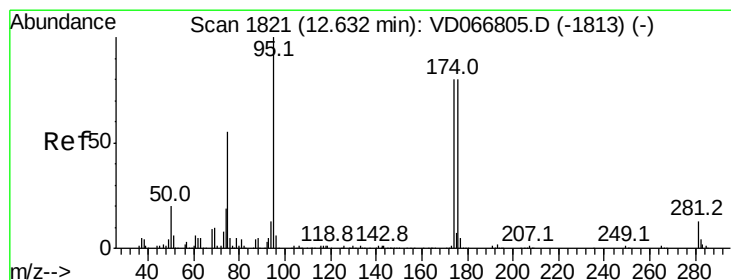
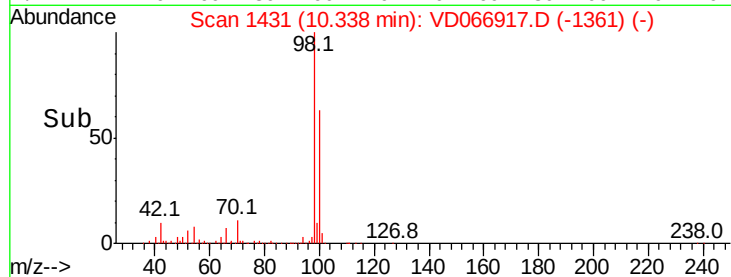
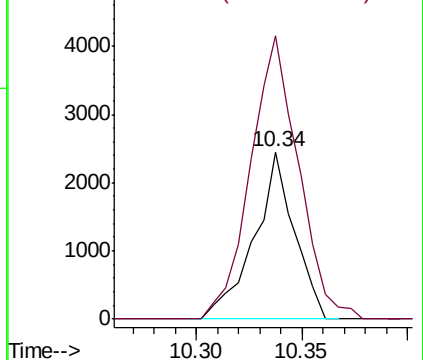
43 100

58 203.3 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 58.250 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066917.D

Acq: 28 Sep 2020 17:00

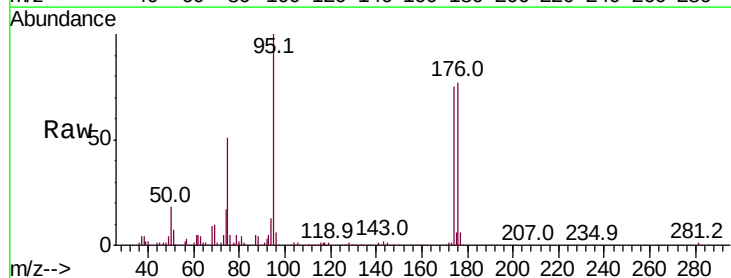
Tgt Ion: 95 Resp: 287724

Ion Ratio Lower Upper

95 100

174 80.4 0.0 159.8

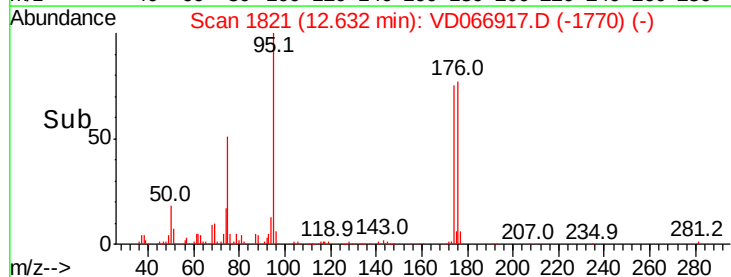
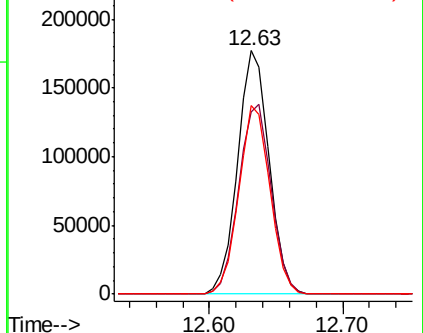
176 76.9 0.0 154.4

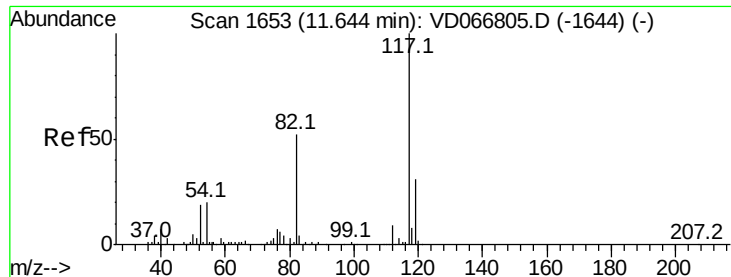


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

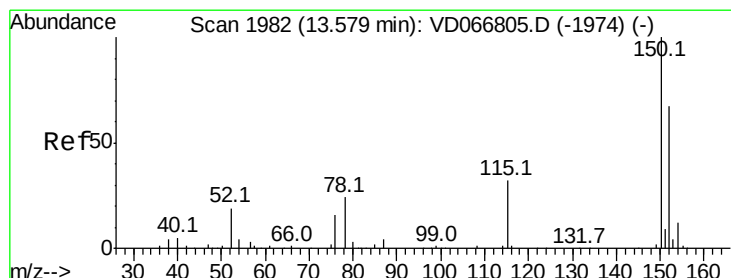
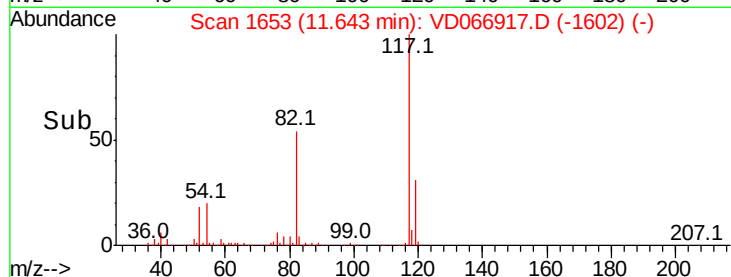
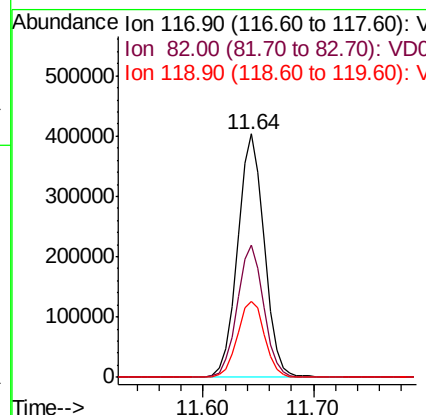
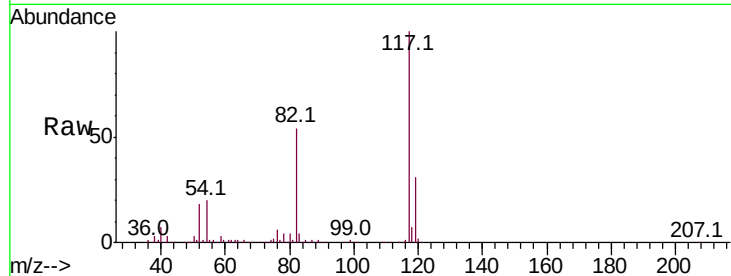




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066917.D
Acq: 28 Sep 2020 17:00

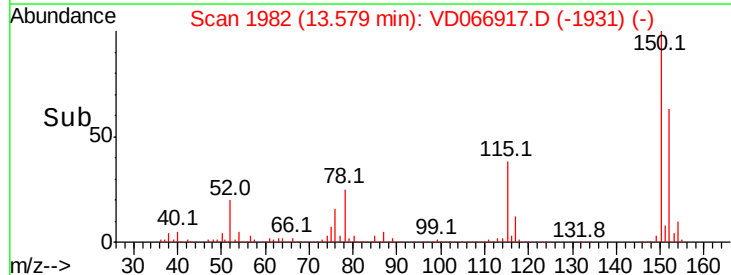
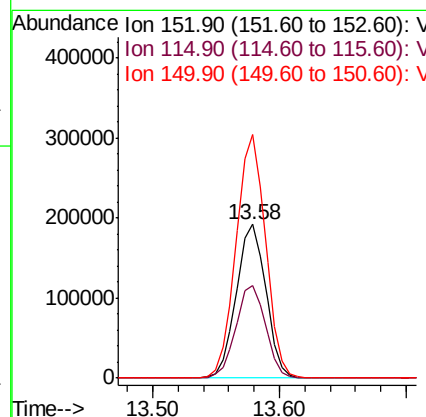
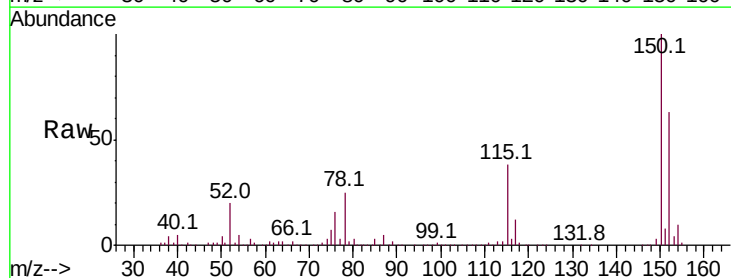
Instrument :
MSVOA_D
ClientSampleId :
11976

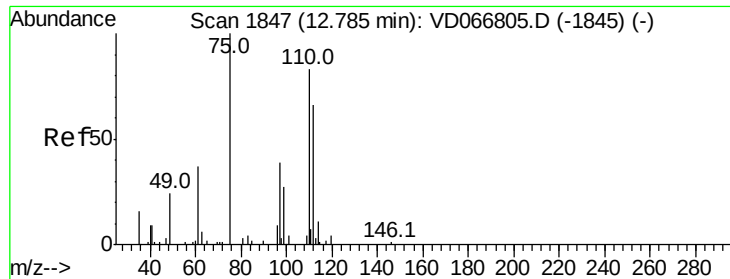
Tot Ion:117 Resp: 682398
Ion Ratio Lower Upper
117 100
82 54.2 41.8 62.6
119 31.0 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066917.D
Acq: 28 Sep 2020 17:00

Tgt Ion:152 Resp: 310306
Ion Ratio Lower Upper
152 100
115 60.5 30.3 91.0
150 157.2 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 57.661 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066917.D

Acq: 28 Sep 2020 17:00

Instrument :

MSVOA_D

ClientSampled :

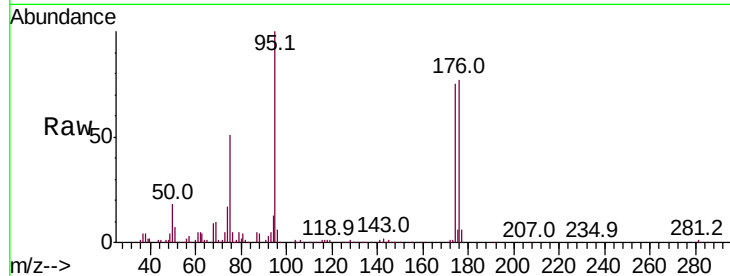
11976

Tot Ion: 75 Resp: 148280

Ion Ratio Lower Upper

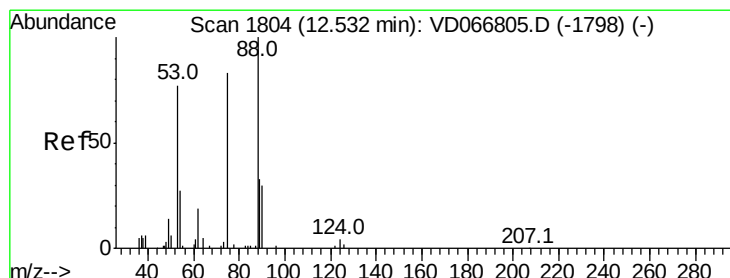
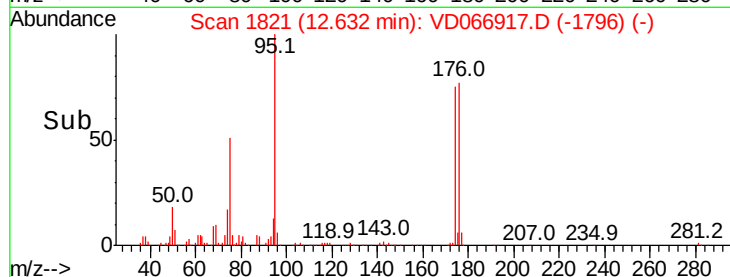
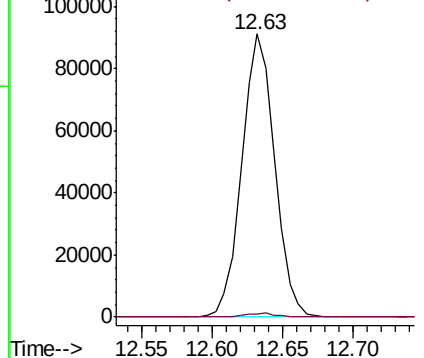
75 100

77 1.4 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: 144.263 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066917.D

Acq: 28 Sep 2020 17:00

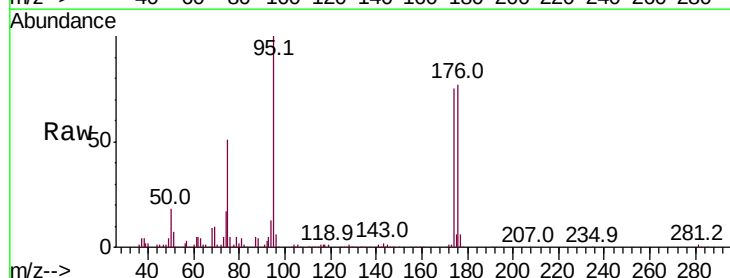
Tgt Ion: 75 Resp: 148280

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 38.1 57.1#



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

