

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066605.D
 Acq On : 10 Sep 2020 03:06
 Operator : VA/SY
 Sample : L3808-04
 Misc : 6.89G/5.00ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B44-090320-0-1

Quant Time: Sep 10 03:41:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	332927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	646356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	586616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241086	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	227453	56.47	ug/l	0.00
Spiked Amount			Recovery	=	112.94%	
35) Dibromofluoromethane	7.91	113	222386	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
50) Toluene-d8	10.34	98	789267	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.63	95	245958	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	

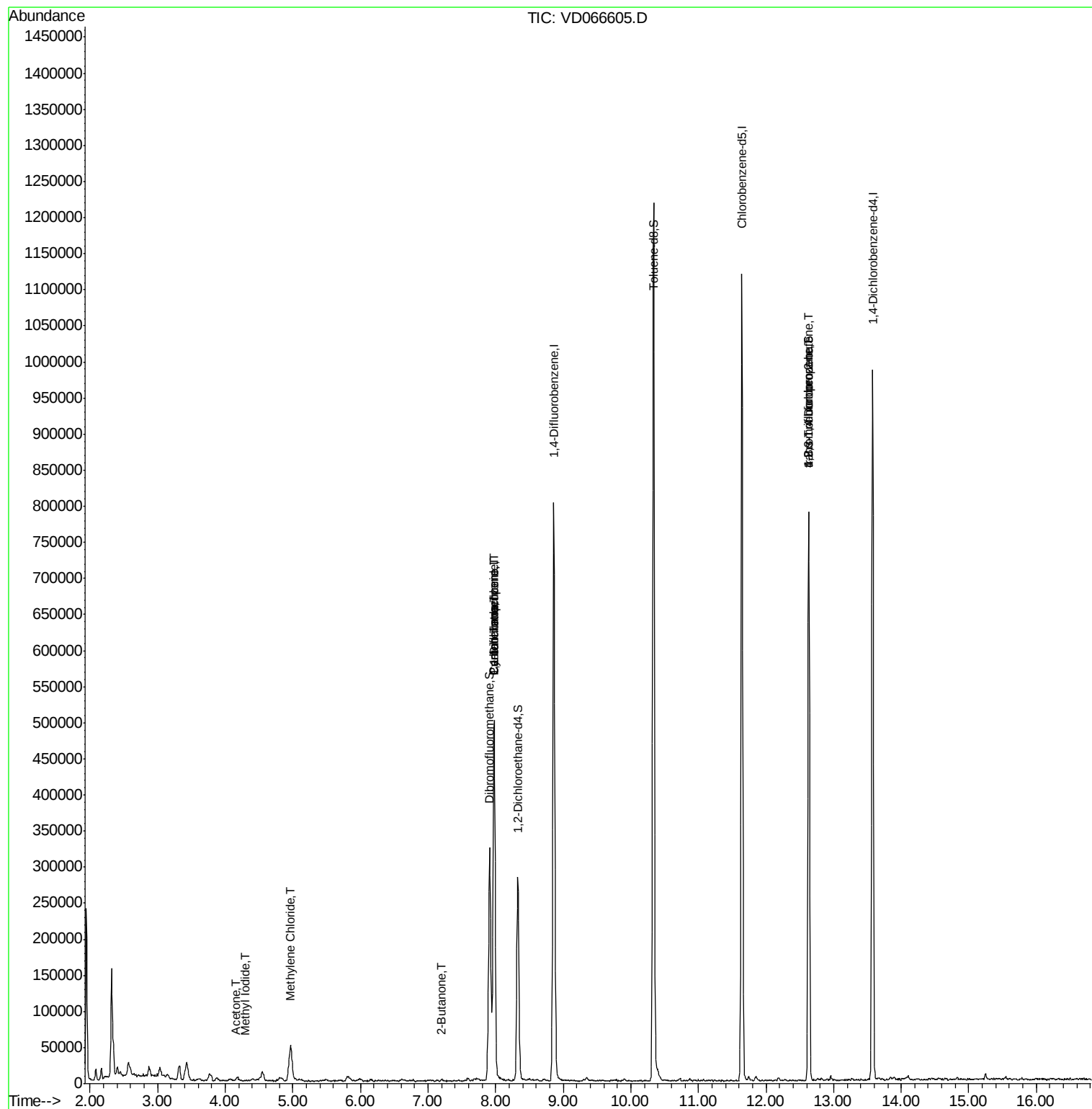
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	450	Below Cal	#	46
5) Bromomethane	2.76	94	174	Below Cal		97
10) Methyl Iodide	4.29	142	77	4.044	ug/l #	35
16) Acetone	4.15	43	2210	2.982	ug/l	94
20) Methylene Chloride	4.96	84	35807	2.589	ug/l	95
25) 2-Butanone	7.20	43	1135	1.141	ug/l #	88
31) Cyclohexane	7.97	56	11247	1.711	ug/l #	42
36) 1,1-Dichloropropene	7.97	75	31342	4.659	ug/l #	51
38) Carbon Tetrachloride	7.98	117	38211	5.374	ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	139621	60.218	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	139621	140.587	ug/l #	7

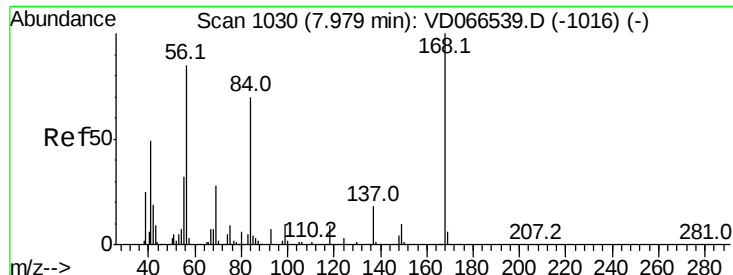
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090920\
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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: VD066605.D

Acq: 10 Sep 2020 03:06

Instrument :

MSVOA_D

ClientSampleId :

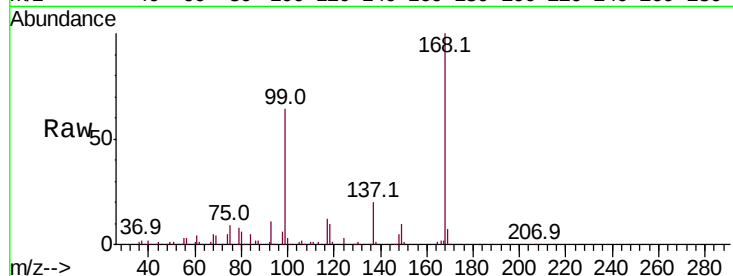
PAV-B44-090320-0-1

Tot Ion:168 Resp: 332927

Ion Ratio Lower Upper

168 100

99 64.0 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

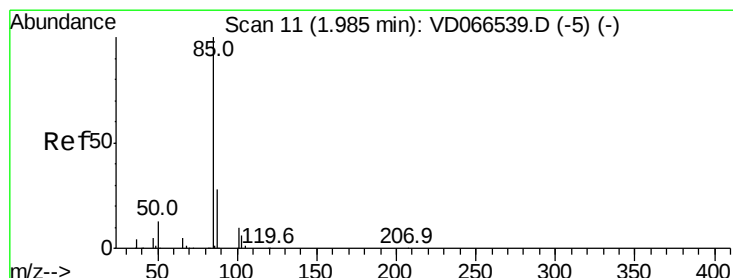
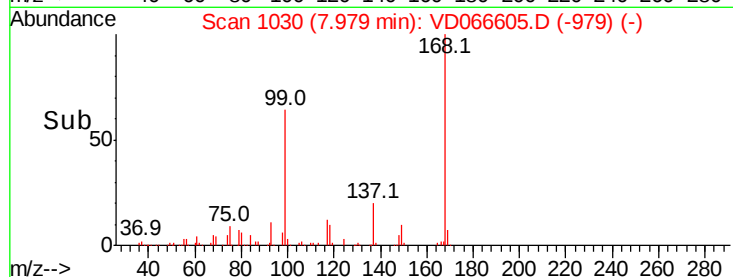
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066605.D

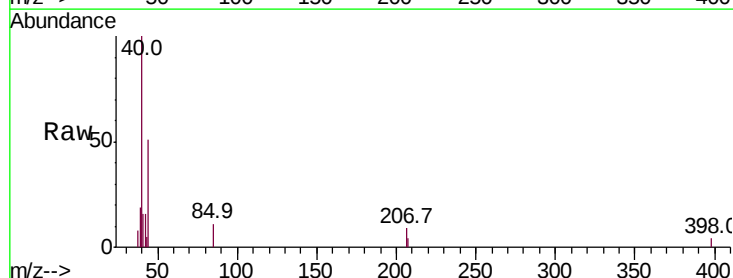
Acq: 10 Sep 2020 03:06

Tgt Ion: 85 Resp: 450

Ion Ratio Lower Upper

85 100

87 0.0 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

500

400

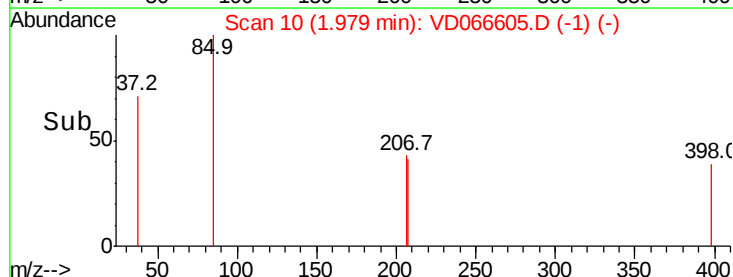
300

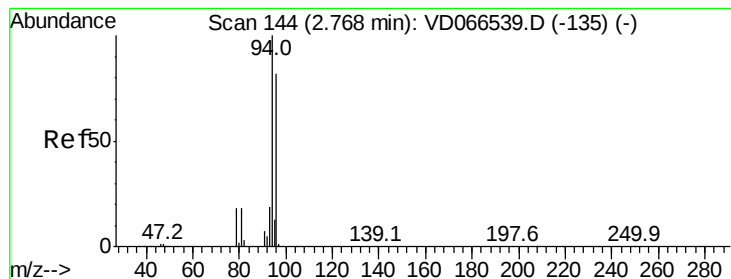
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066605.D

Acq: 10 Sep 2020 03:06

Instrument :

MSVOA_D

ClientSampleId :

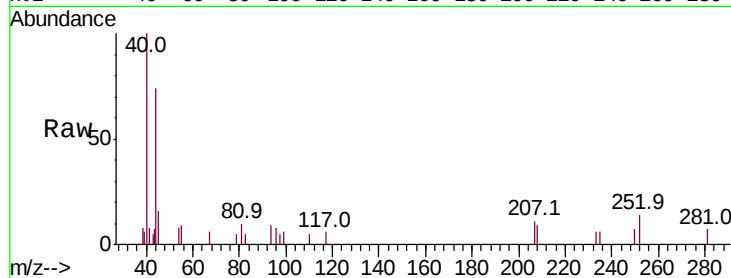
PAV-B44-090320-0-1

Tot Ion: 94 Resp: 174

Ion Ratio Lower Upper

94 100

96 83.9 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

600

500

400

300

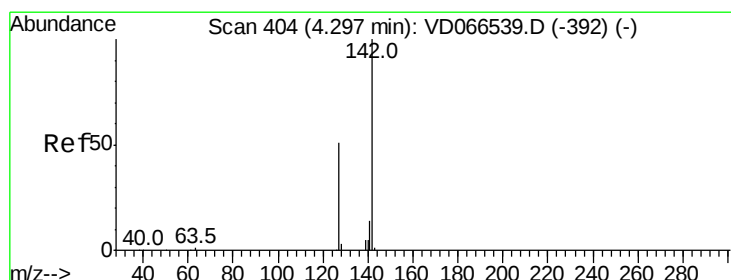
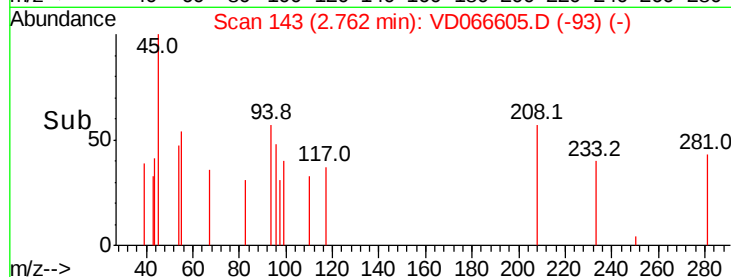
200

100

0

2.74 2.75 2.76 2.77 2.78

Time-->



#10

Methyl Iodide

Concen: 4.044 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD066605.D

Acq: 10 Sep 2020 03:06

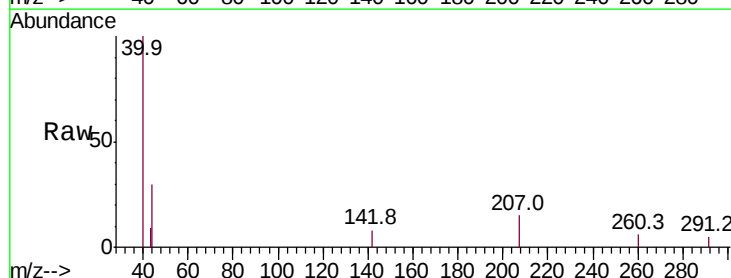
Tgt Ion: 142 Resp: 77

Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

141 0.0 12.2 18.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

300

250

200

150

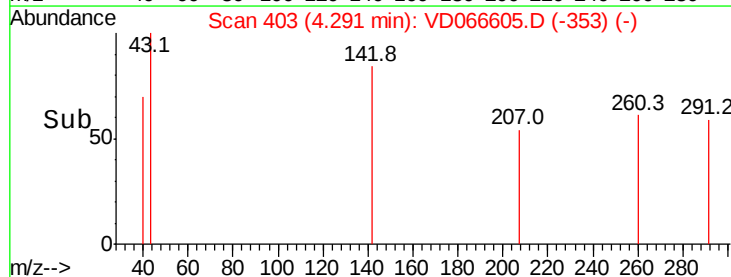
100

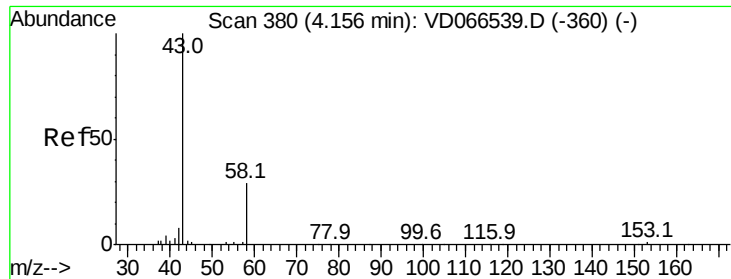
50

0

4.28 4.29 4.30

Time-->





#16

Acetone

Concen: 2.982 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066605.D

Acq: 10 Sep 2020 03:06

Instrument :

MSVOA_D

ClientSampleId :

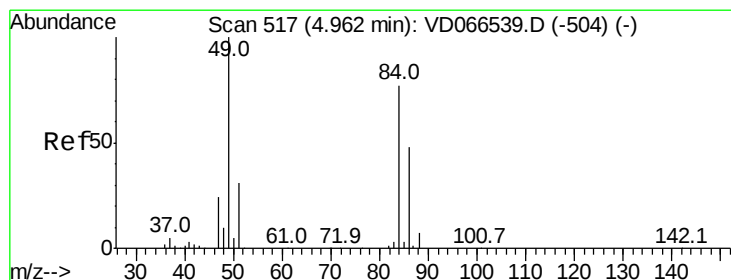
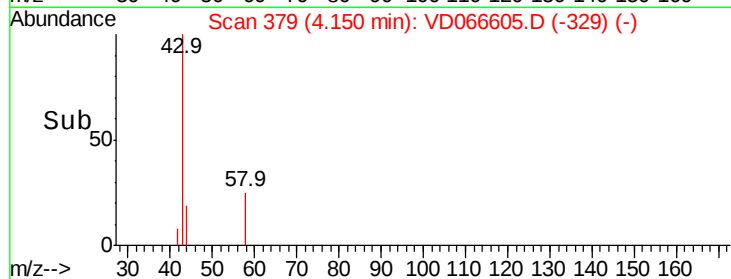
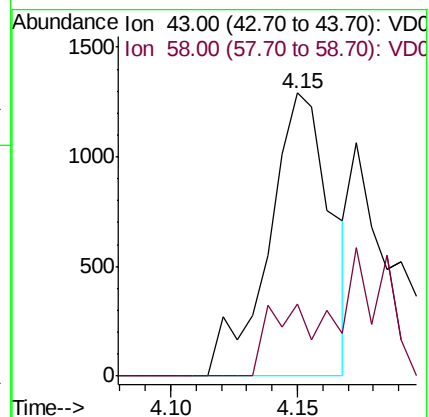
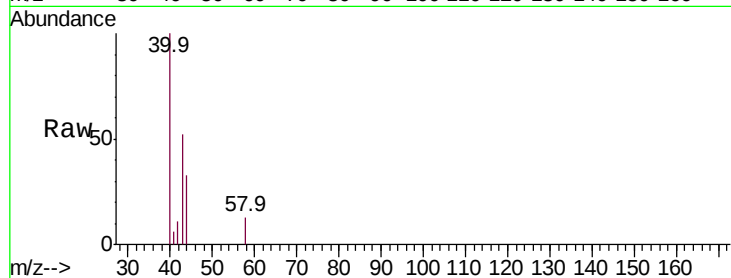
PAV-B44-090320-0-1

Tot Ion: 43 Resp: 2210

Ion Ratio Lower Upper

43 100

58 25.4 22.9 34.3



#20

Methylene Chloride

Concen: 2.589 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD066605.D

Acq: 10 Sep 2020 03:06

Tgt Ion: 84 Resp: 35807

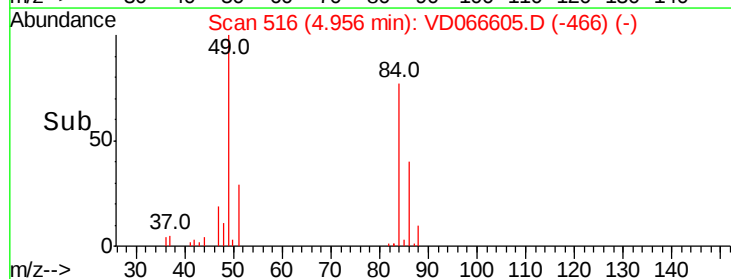
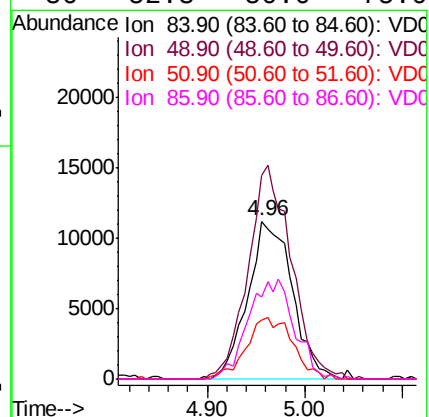
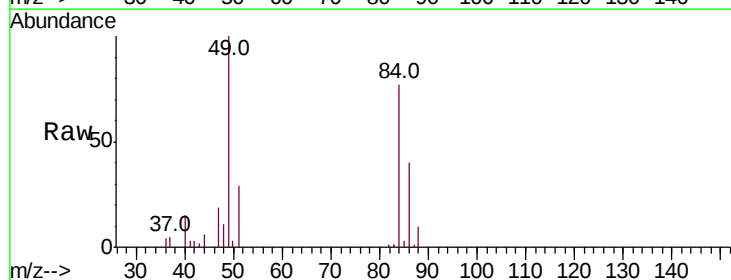
Ion Ratio Lower Upper

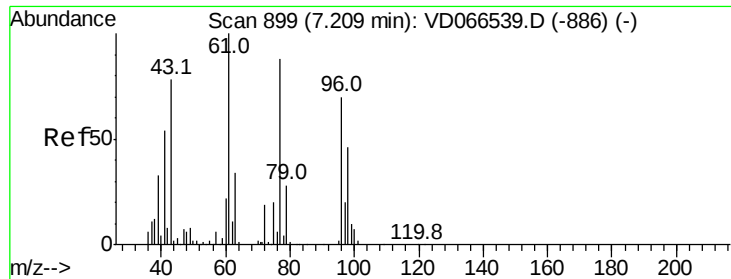
84 100

49 129.2 104.3 156.5

51 37.6 32.2 48.4

86 52.3 50.0 75.0





#25

2-Butanone

Concen: 1.141 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066605.D

Acq: 10 Sep 2020 03:06

Instrument :

MSVOA_D

ClientSampleId :

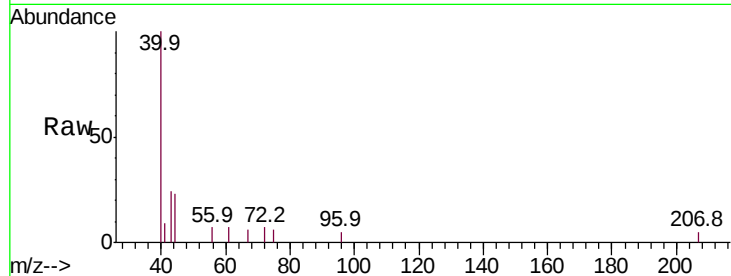
PAV-B44-090320-0-1

Tot Ion: 43 Resp: 1135

Ion Ratio Lower Upper

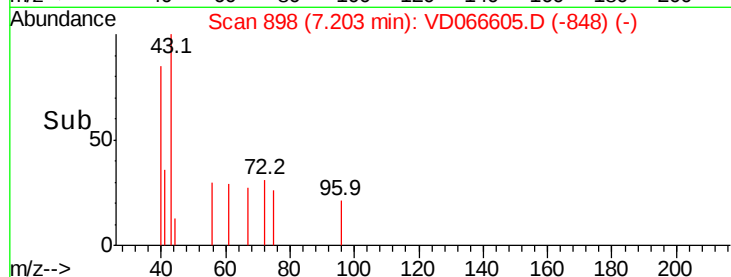
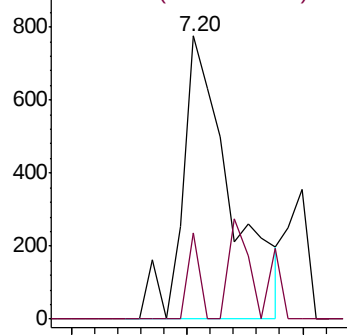
43 100

72 30.7 19.8 29.6#

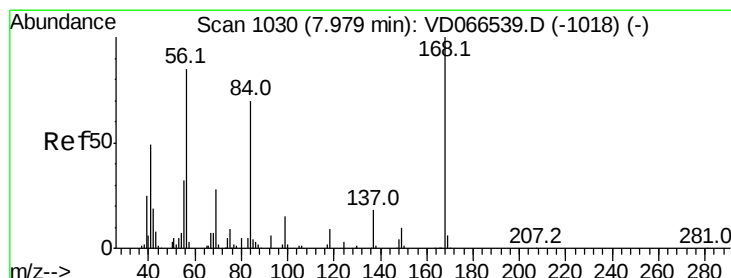


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#31

Cyclohexane

Concen: 1.711 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066605.D

Acq: 10 Sep 2020 03:06

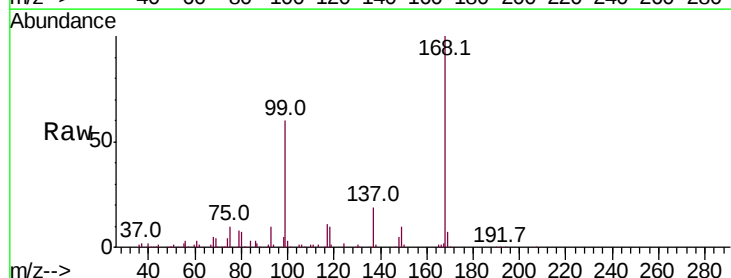
Tgt Ion: 56 Resp: 11247

Ion Ratio Lower Upper

56 100

69 124.6 26.3 39.5#

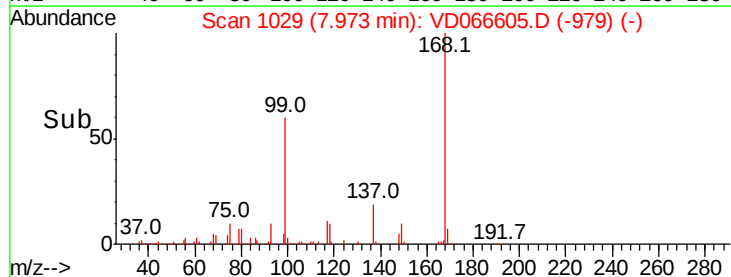
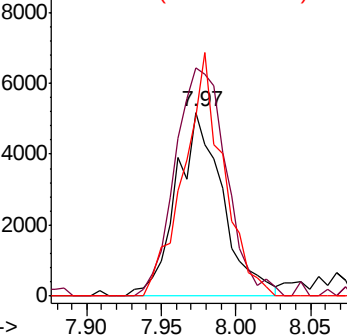
84 97.8 66.1 99.1



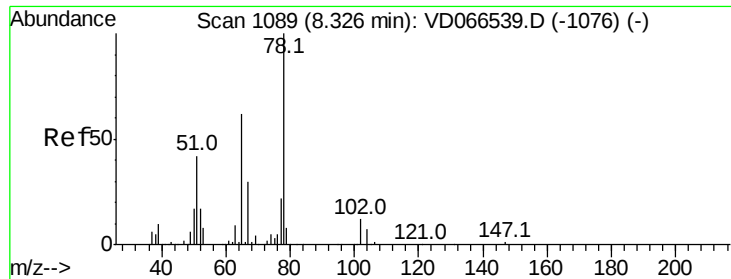
Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



Time-->



#33

1,2-Dichloroethane-d4

Concen: 56.467 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066605.D

Acq: 10 Sep 2020 03:06

Instrument :

MSVOA_D

ClientSampleId :

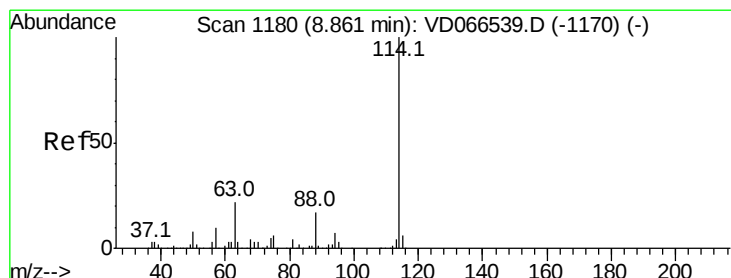
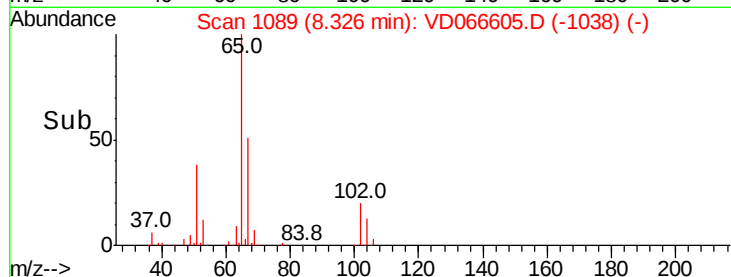
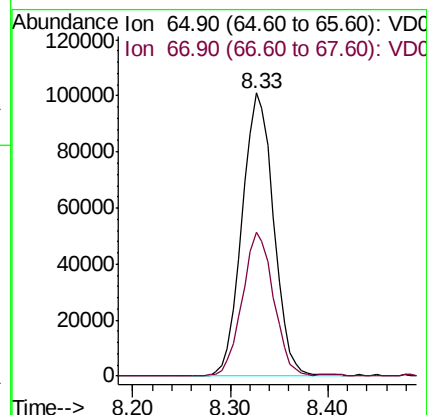
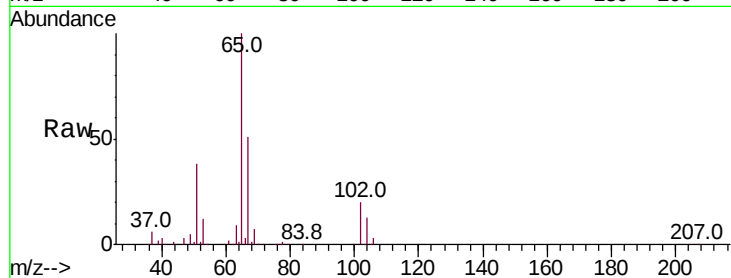
PAV-B44-090320-0-1

Tot Ion: 65 Resp: 227453

Ion Ratio Lower Upper

65 100

67 50.3 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066605.D

Acq: 10 Sep 2020 03:06

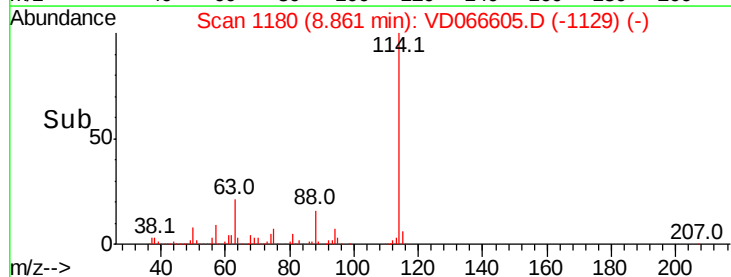
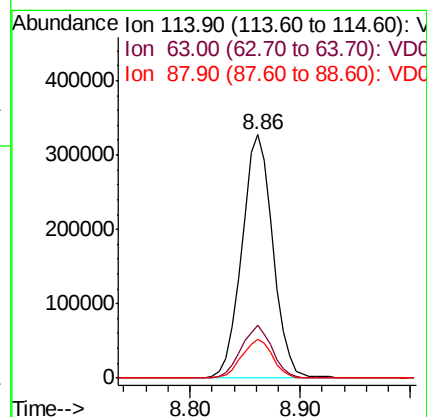
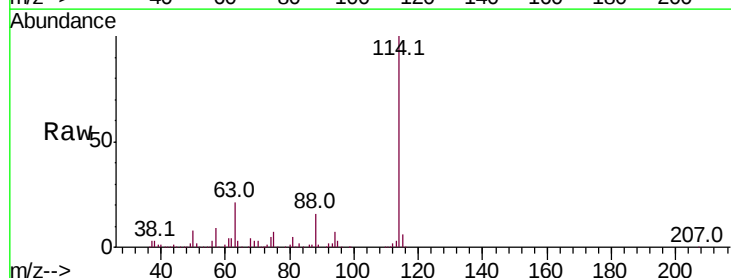
Tgt Ion: 114 Resp: 646356

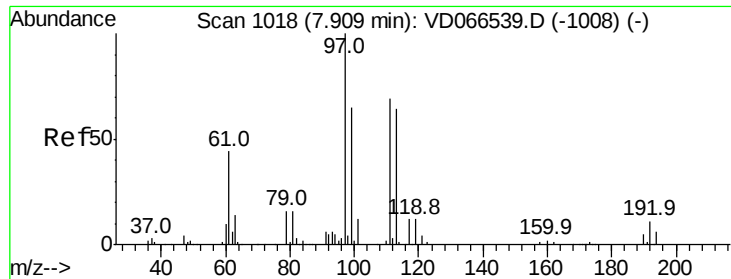
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

88 16.0 0.0 33.2

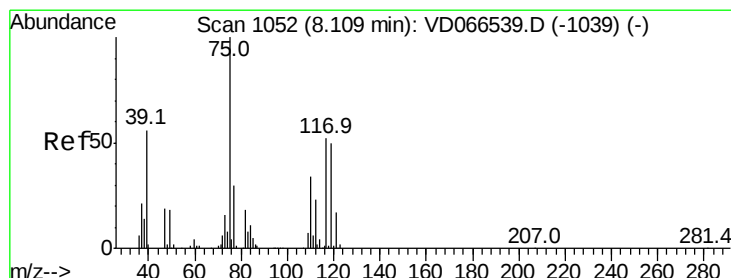
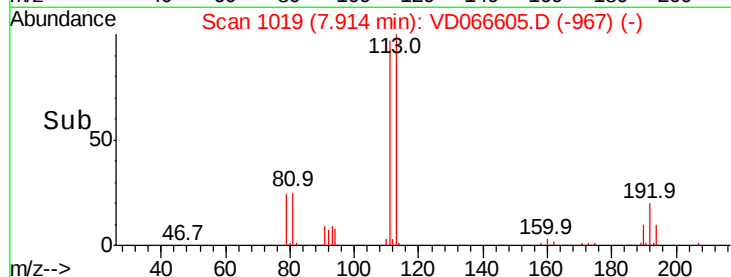
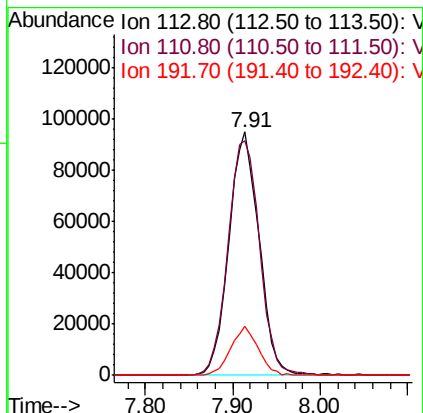
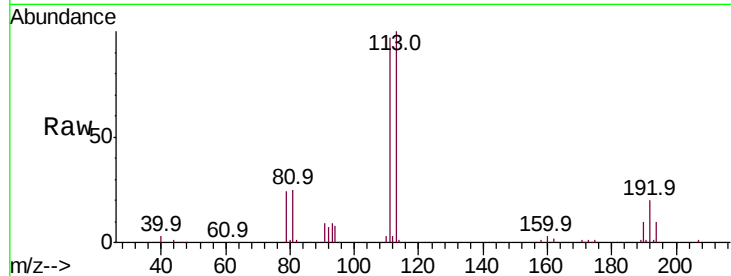




#35
 Dibromofluoromethane
 Concen: 51.002 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066605.D
 Acq: 10 Sep 2020 03:06

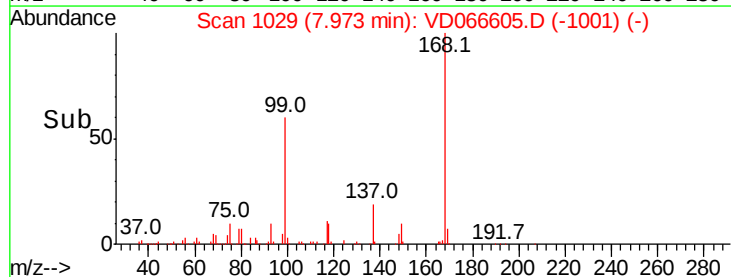
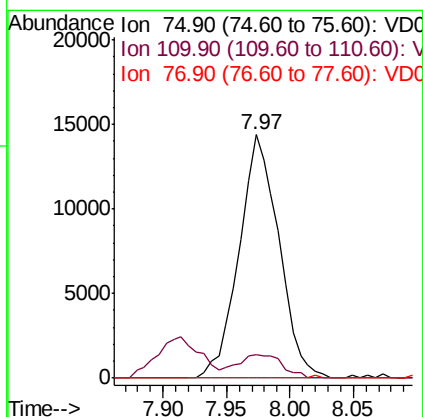
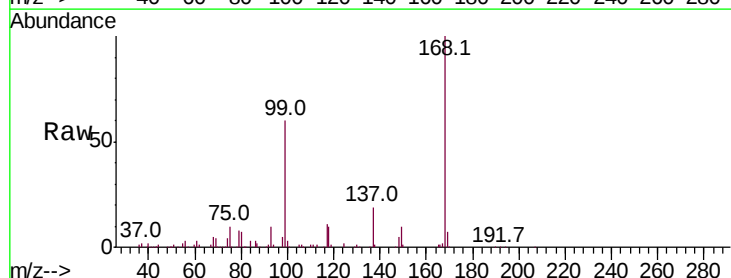
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B44-090320-0-1

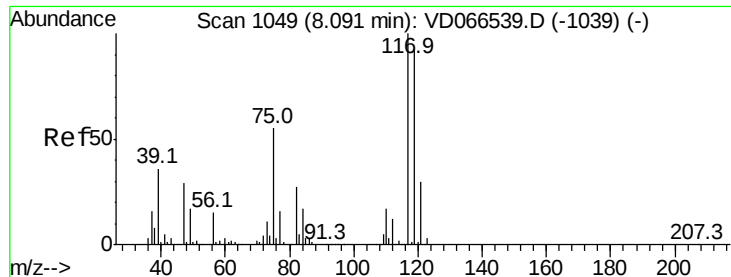
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.2	124.8
192	18.3	13.7	20.5



#36
 1,1-Dichloropropene
 Concen: 4.659 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066605.D
 Acq: 10 Sep 2020 03:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.0	17.3	52.0#
77	0.0	25.1	37.7#

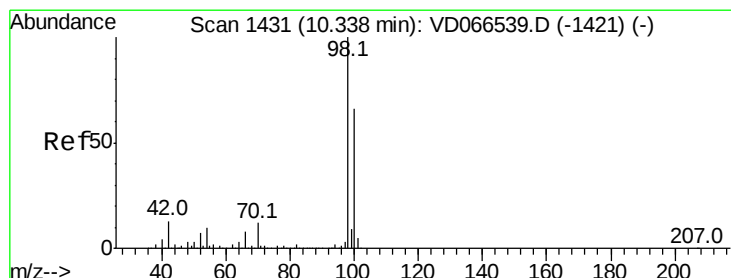
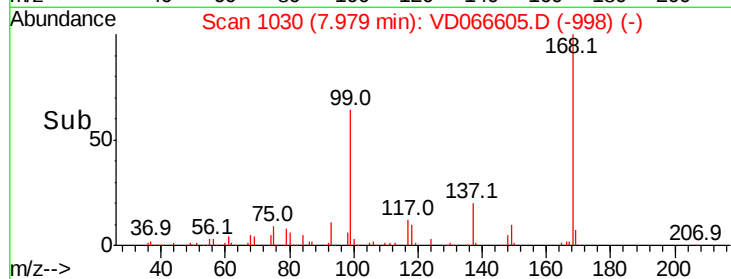
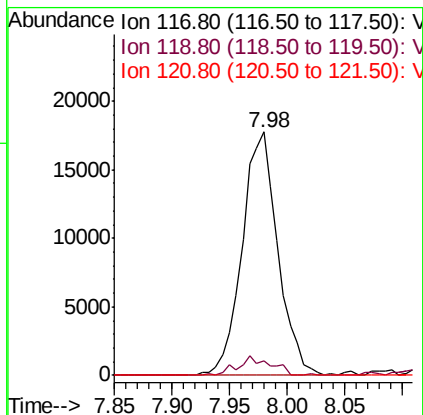
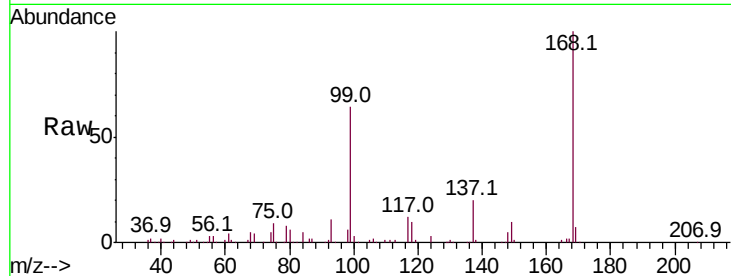




#38
Carbon Tetrachloride
Concen: 5.374 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.11 min
Lab File: VD066605.D
Acq: 10 Sep 2020 03:06

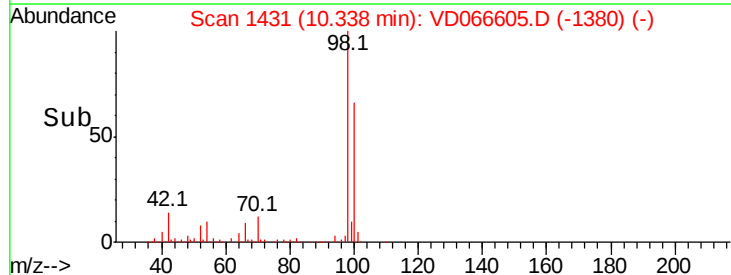
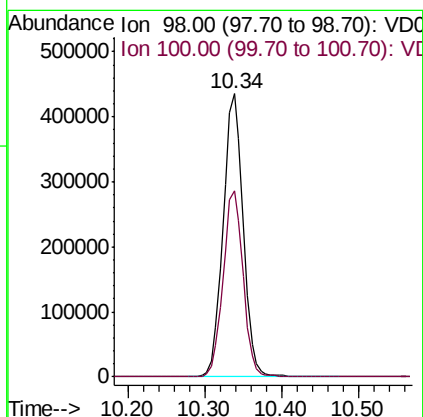
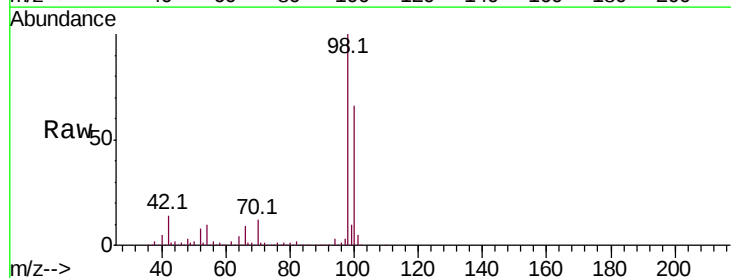
Instrument :
MSVOA_D
ClientSampleId :
PAV-B44-090320-0-1

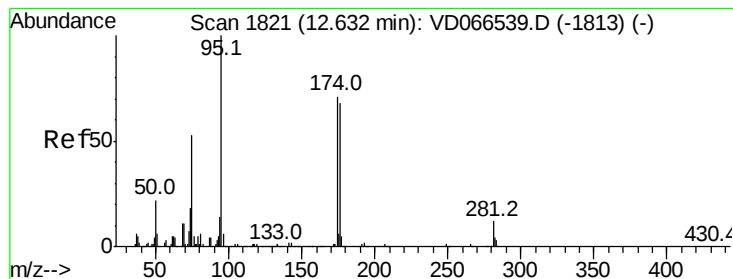
Tot Ion:117 Resp: 38211
Ion Ratio Lower Upper
117 100
119 5.8 73.9 110.9#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 50.644 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066605.D
Acq: 10 Sep 2020 03:06

Tgt Ion: 98 Resp: 789267
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 47.595 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066605.D

Acq: 10 Sep 2020 03:06

Instrument :

MSVOA_D

ClientSampleId :

PAV-B44-090320-0-1

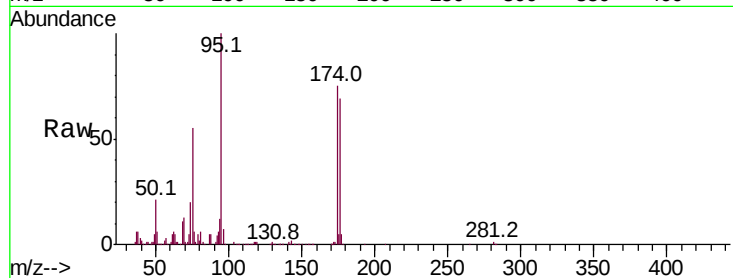
Tot Ion: 95 Resp: 245958

Ion Ratio Lower Upper

95 100

174 77.6 0.0 155.8

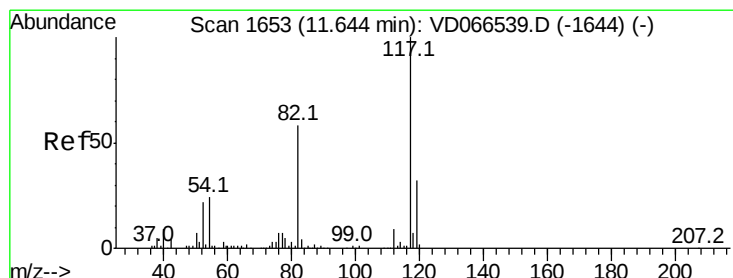
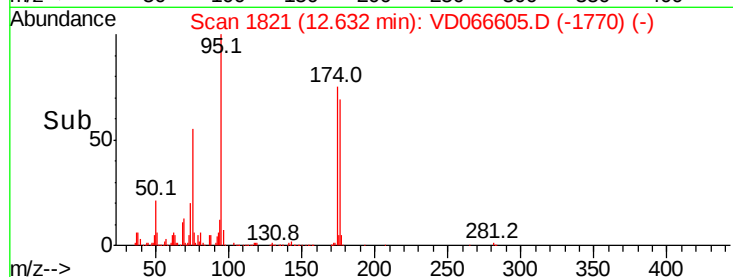
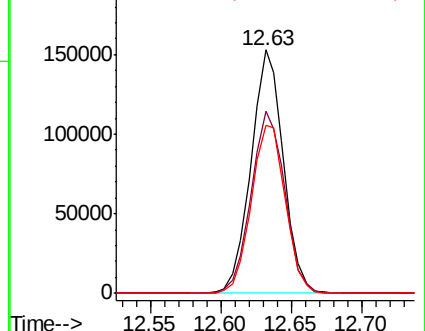
176 72.7 0.0 148.6



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: VD066605.D

Acq: 10 Sep 2020 03:06

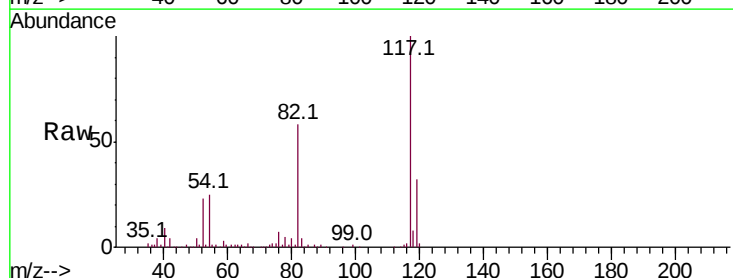
Tgt Ion: 117 Resp: 586616

Ion Ratio Lower Upper

117 100

82 58.3 46.2 69.2

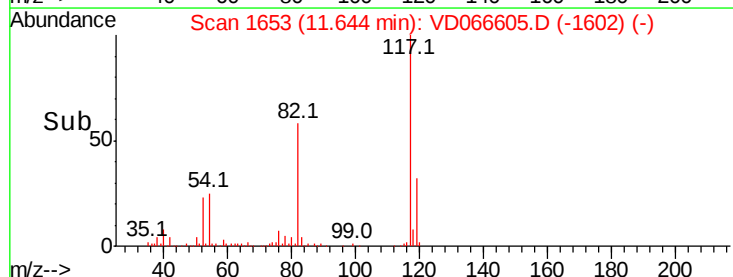
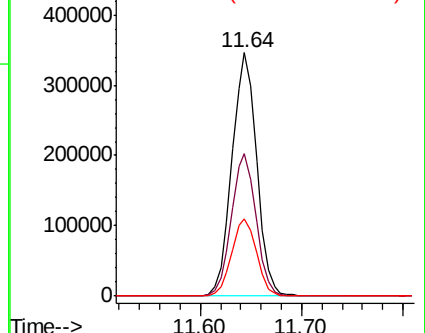
119 31.8 25.8 38.8

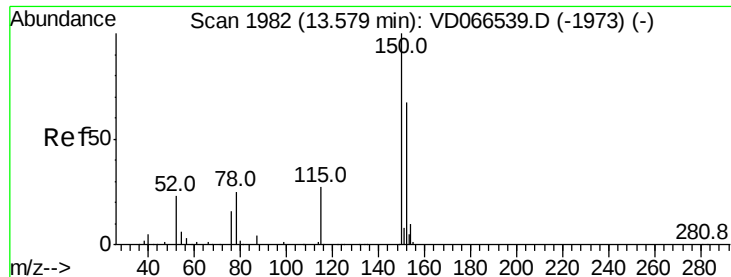


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



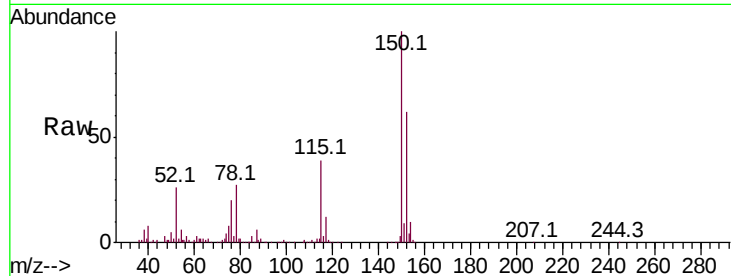


#72

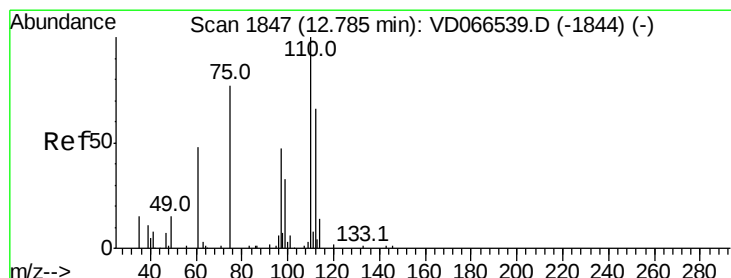
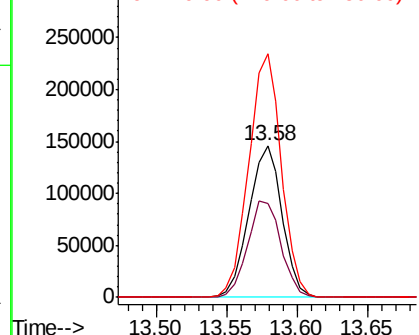
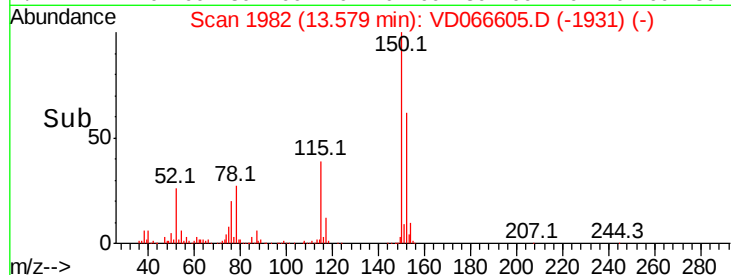
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066605.D
Acq: 10 Sep 2020 03:06

Instrument :
MSVOA_D
ClientSampleId :
PAV-B44-090320-0-1

Tot Ion:152 Resp: 241086
Ion Ratio Lower Upper
152 100
115 64.0 30.4 91.2
150 157.8 0.0 345.8



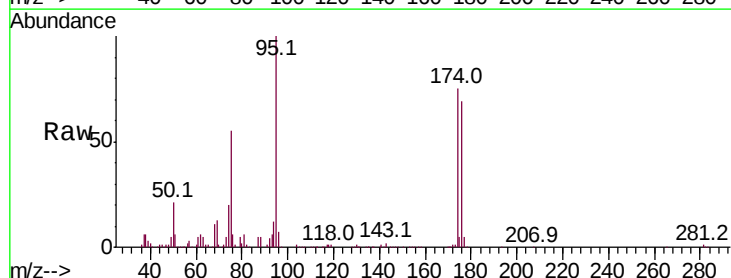
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



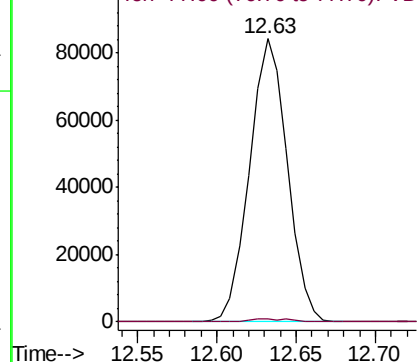
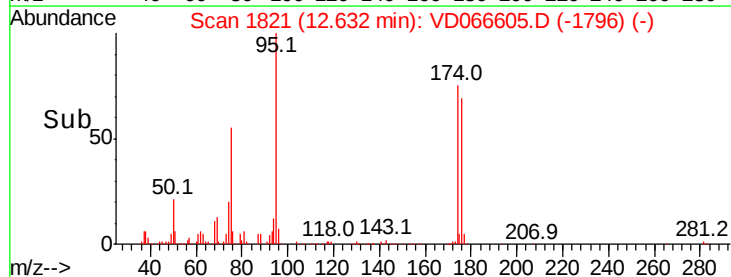
#76

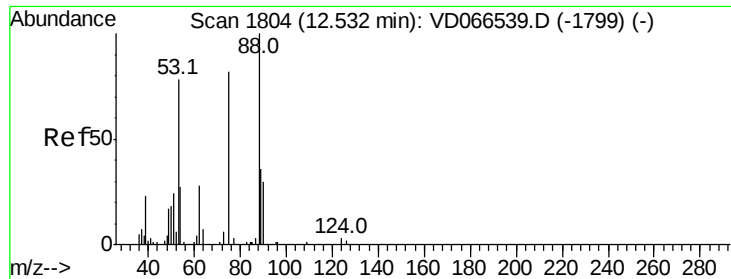
1,2,3-Trichloropropane
Concen: 60.218 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066605.D
Acq: 10 Sep 2020 03:06

Tgt Ion: 75 Resp: 139621
Ion Ratio Lower Upper
75 100
77 1.2 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: 140.587 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066605.D

Acq: 10 Sep 2020 03:06

Instrument :

MSVOA_D

ClientSampleId :

PAV-B44-090320-0-1

Tot Ion: 75 Resp: 139621

Ion Ratio Lower Upper

75 100

53 0.0 87.0 130.4#

89 0.1 37.1 55.7#

