

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066622.D
 Acq On : 10 Sep 2020 18:01
 Operator : VA/SY
 Sample : L3808-08
 Misc : 5.22G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B44-090320-DP

Quant Time: Sep 11 02:09:19 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	347753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	644513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	606372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	266087	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	240376	57.13	ug/l	0.00
Spiked Amount			Recovery	=	114.26%	
35) Dibromofluoromethane	7.91	113	219028	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
50) Toluene-d8	10.34	98	808343	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.63	95	256101	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	

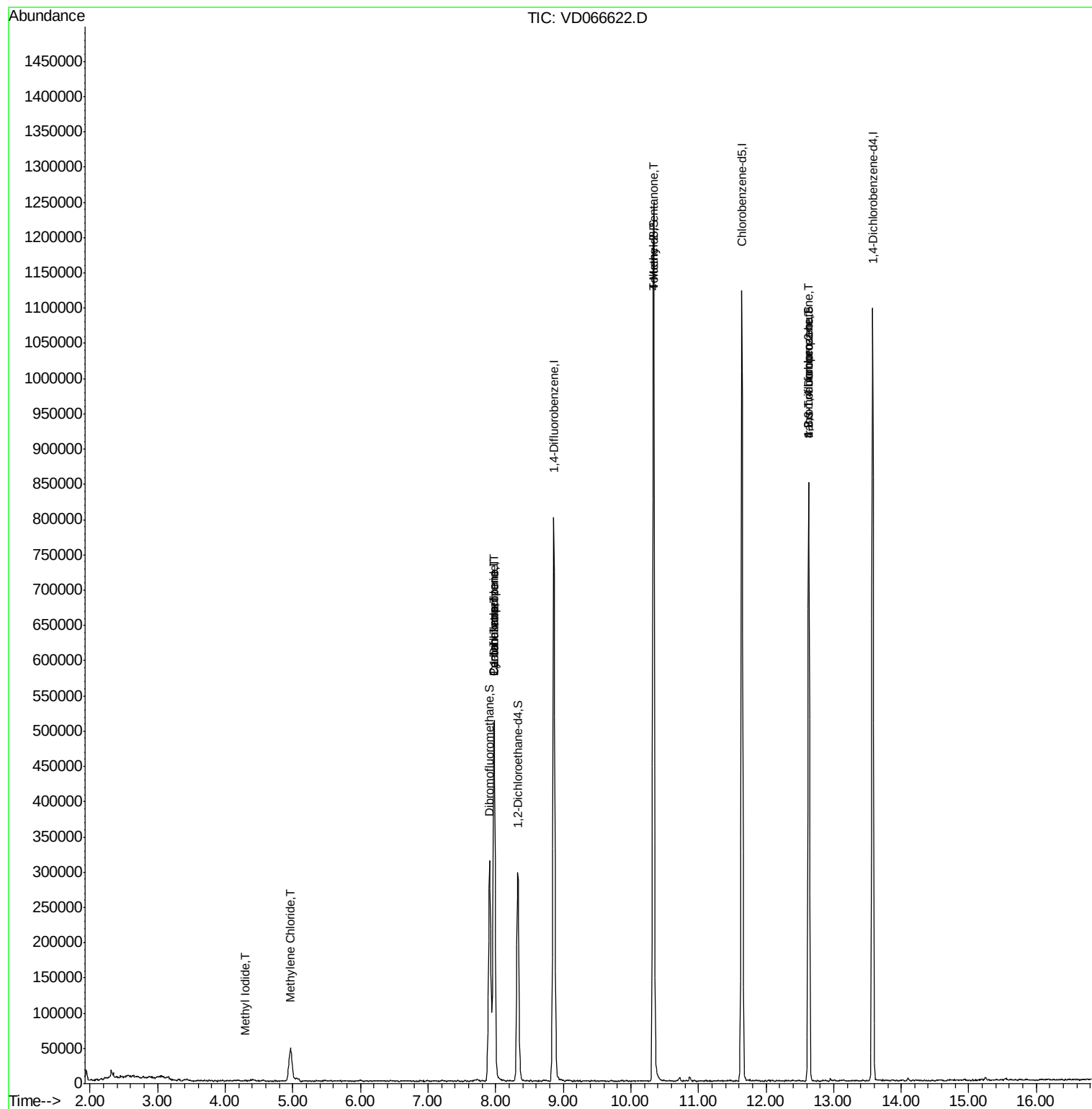
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	93	Below Cal	#	46
5) Bromomethane	2.78	94	343	Below Cal	#	38
10) Methyl Iodide	4.29	142	66	4.040	ug/l #	35
20) Methylene Chloride	4.96	84	33945	1.645	ug/l #	87
31) Cyclohexane	7.97	56	9388	1.368	ug/l #	1
36) 1,1-Dichloropropene	7.97	75	31993	4.770	ug/l #	51
38) Carbon Tetrachloride	7.97	117	38783	5.470	ug/l #	18
51) 4-Methyl-2-Pentanone	10.33	43	3837	1.486	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	147562	57.663	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	147562	134.623	ug/l #	7

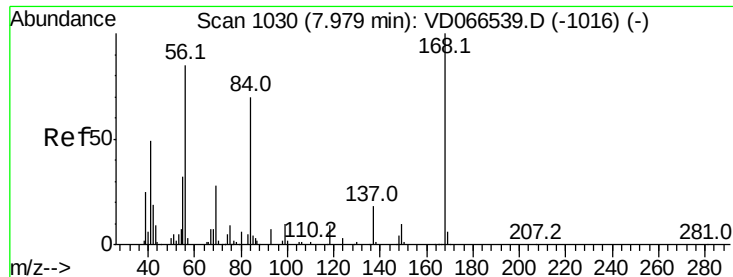
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091020\
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Quant Time: Sep 11 02:09:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 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: VD066622.D

Acq: 10 Sep 2020 18:01

Instrument :

MSVOA_D

ClientSampleId :

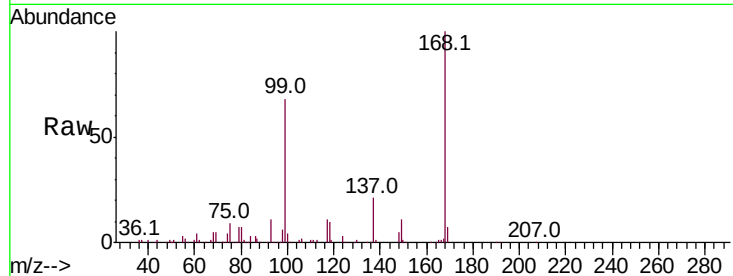
PAV-B44-090320-DP

Tot Ion:168 Resp: 347753

Ion Ratio Lower Upper

168 100

99 67.8 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

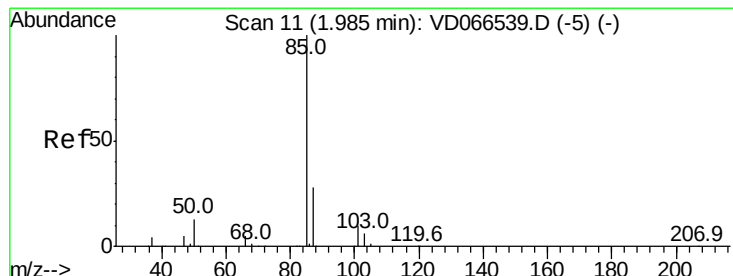
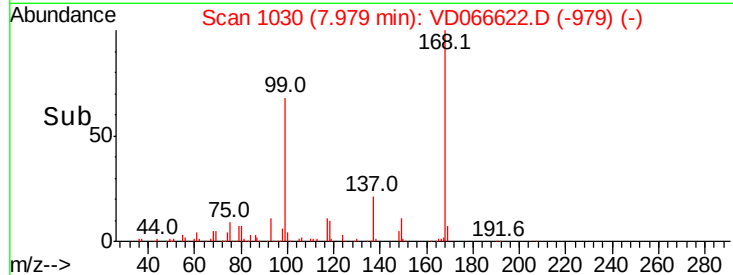
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066622.D

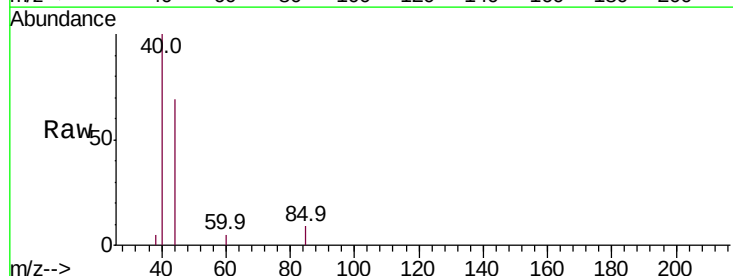
Acq: 10 Sep 2020 18:01

Tgt Ion: 85 Resp: 93

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

300

250

200

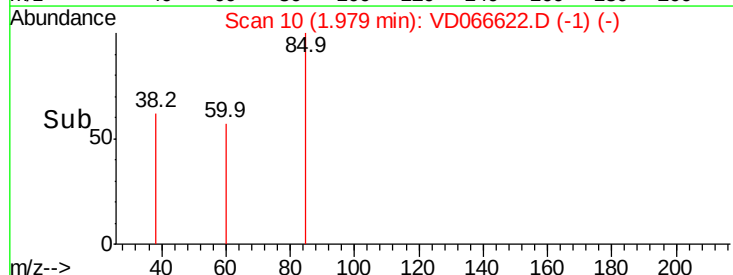
150

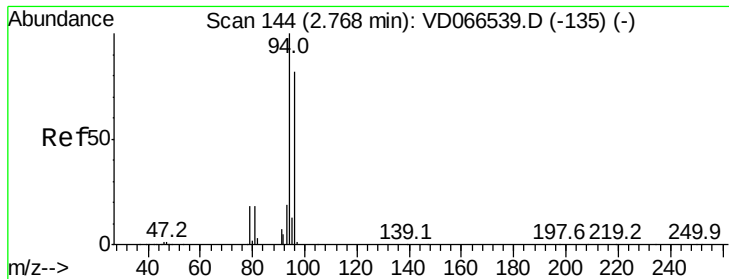
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066622.D

Acq: 10 Sep 2020 18:01

Instrument :

MSVOA_D

ClientSampleId :

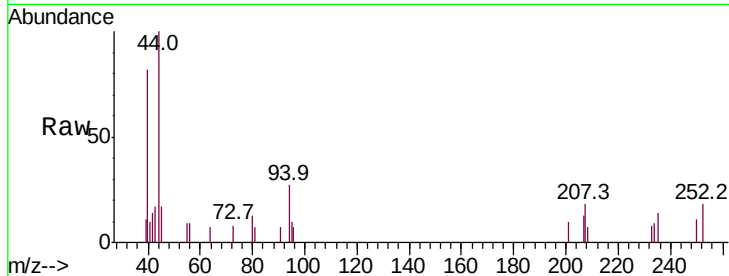
PAV-B44-090320-DP

Tot Ion: 94 Resp: 343

Ion Ratio Lower Upper

94 100

96 26.4 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

600

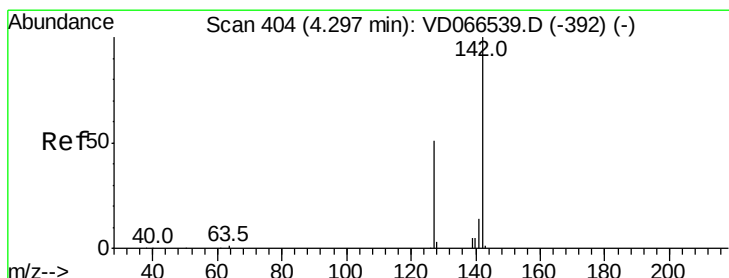
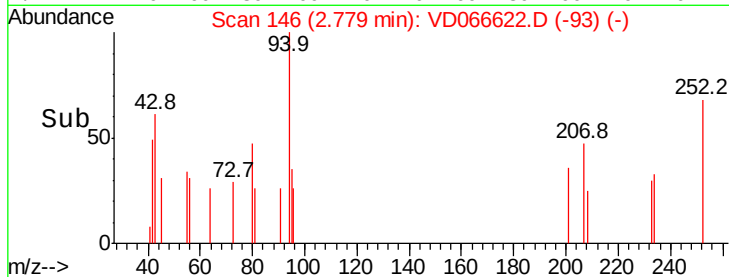
400

200

0

2.76 2.78 2.80

Time-->



#10

Methyl Iodide

Concen: 4.040 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD066622.D

Acq: 10 Sep 2020 18:01

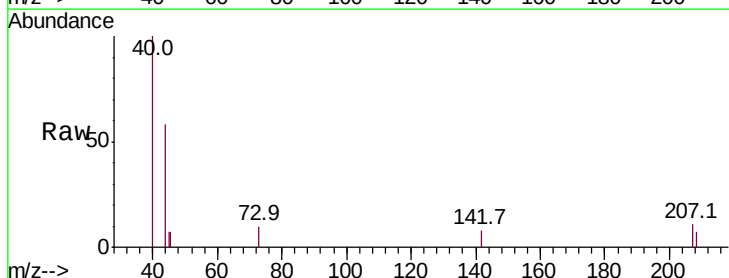
Tgt Ion: 142 Resp: 66

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

250

200

150

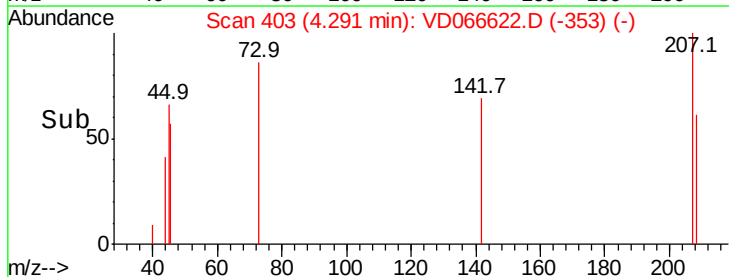
100

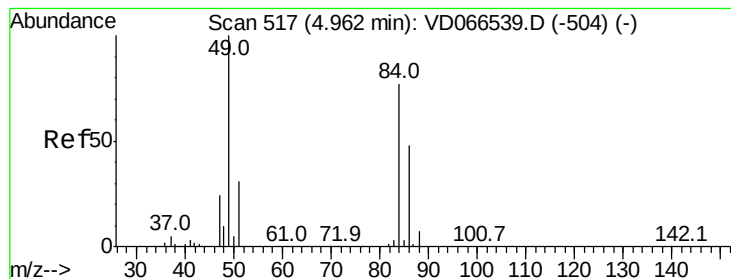
50

0

4.27 4.28 4.29 4.30 4.31

Time-->





#20

Methvlene Chloride

Concen: 1.645 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD066622.D

Acq: 10 Sep 2020 18:01

Instrument :

MSVOA_D

ClientSampleId :

PAV-B44-090320-DP

Tot Ion: 84 Resp: 33945

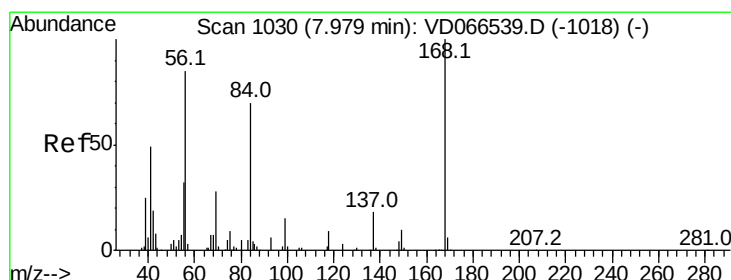
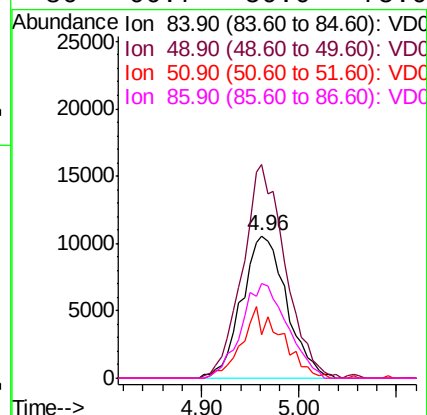
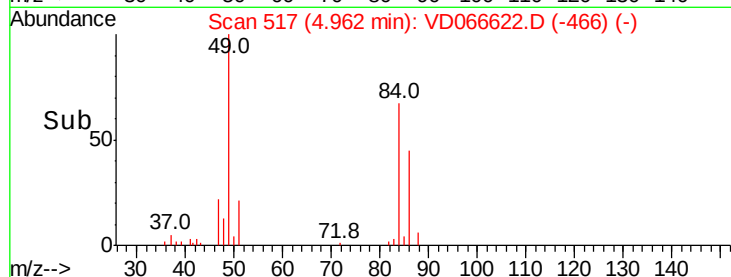
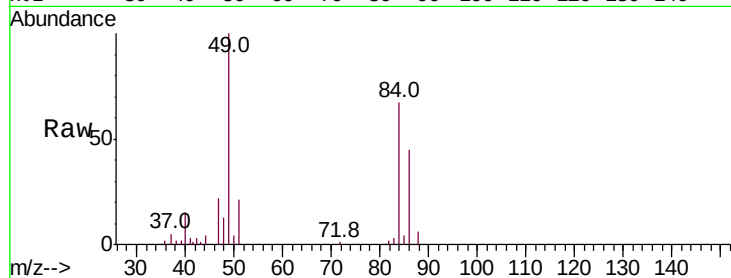
Ion Ratio Lower Upper

84 100

49 149.7 104.3 156.5

51 30.8 32.2 48.4#

86 66.7 50.0 75.0



#31

Cyclohexane

Concen: 1.368 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066622.D

Acq: 10 Sep 2020 18:01

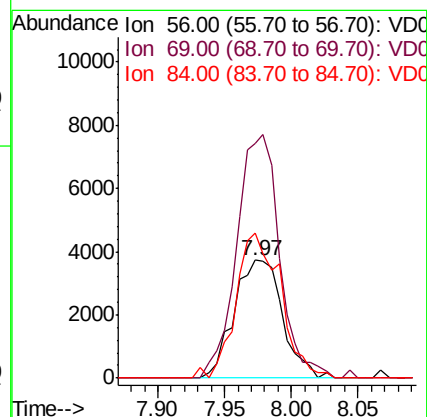
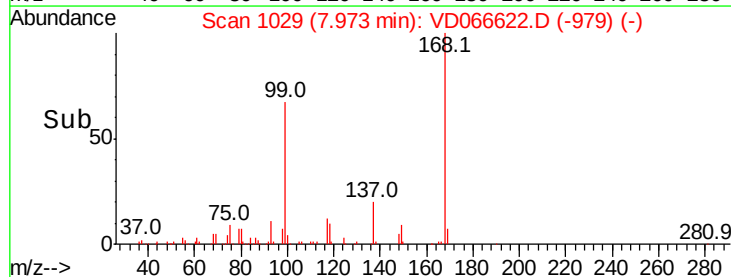
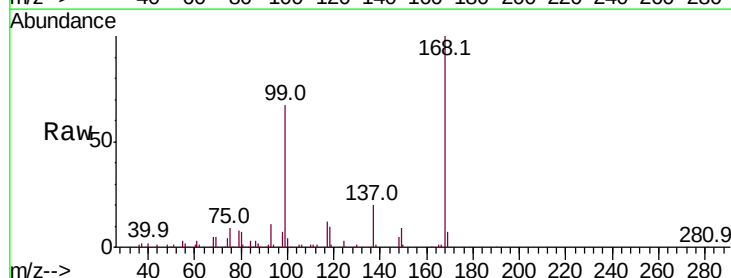
Tgt Ion: 56 Resp: 9388

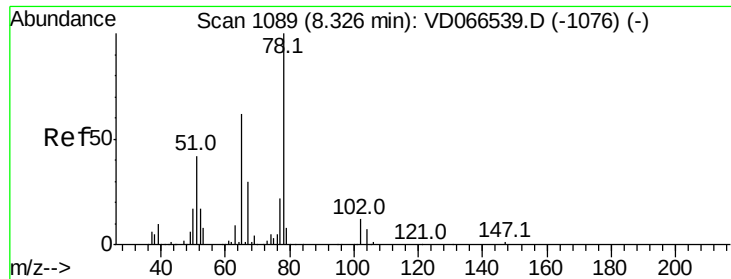
Ion Ratio Lower Upper

56 100

69 198.8 26.3 39.5#

84 123.1 66.1 99.1#

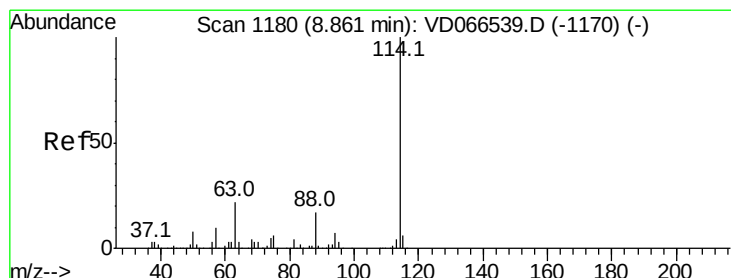
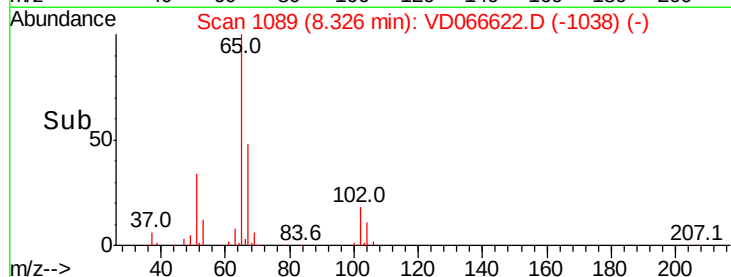
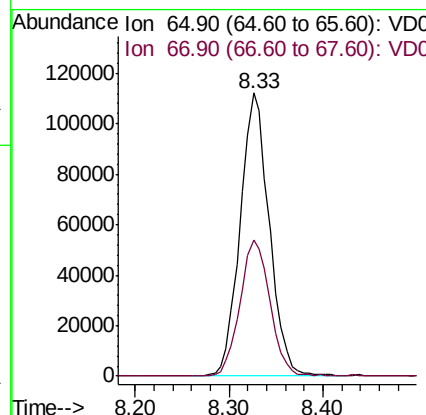
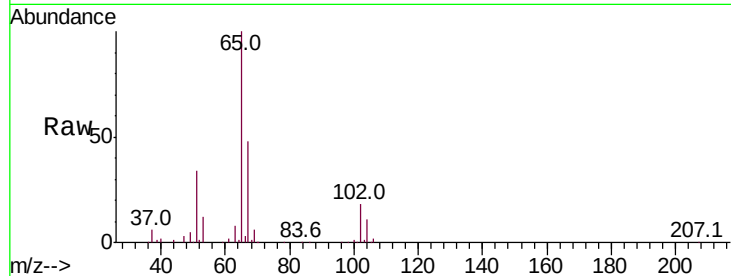




#33
 1,2-Dichloroethane-d4
 Concen: 57.131 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066622.D
 Acq: 10 Sep 2020 18:01

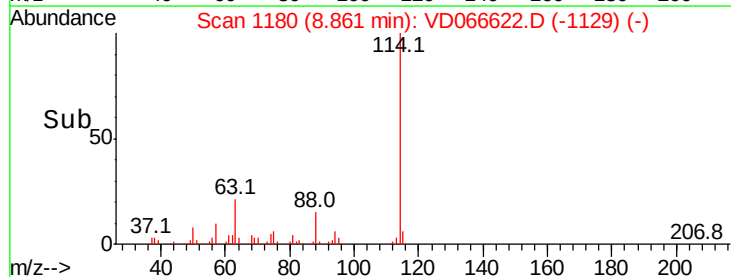
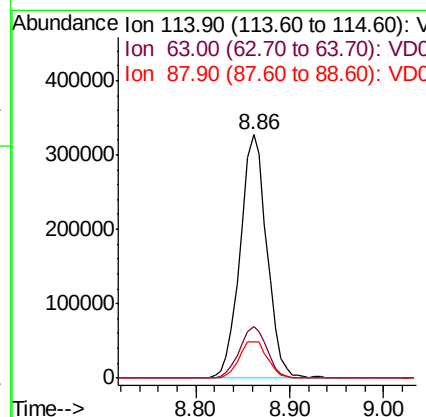
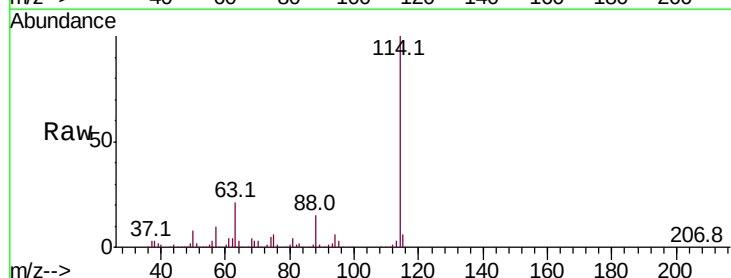
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B44-090320-DP

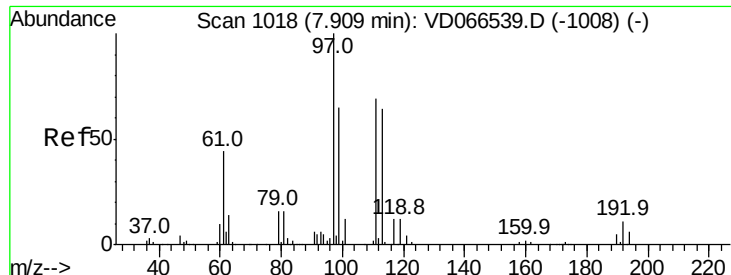
Tot Ion: 65 Resp: 240376
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066622.D
 Acq: 10 Sep 2020 18:01

Tgt Ion: 114 Resp: 644513
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.2
 88 15.0 0.0 33.2

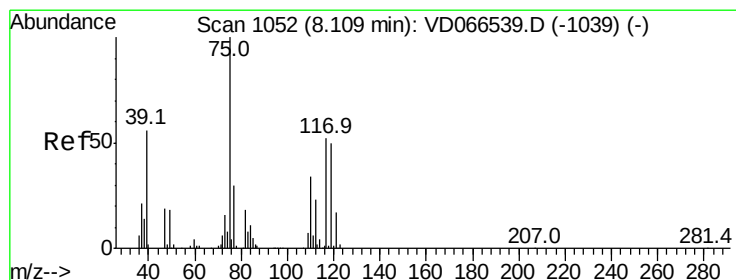
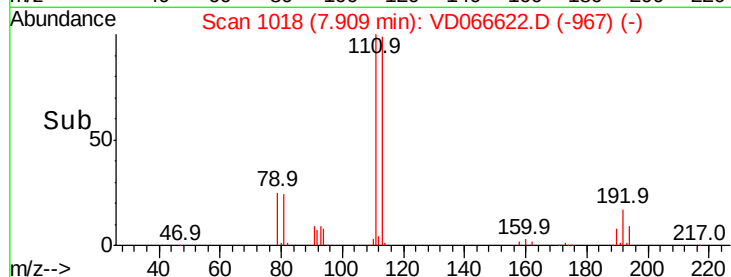
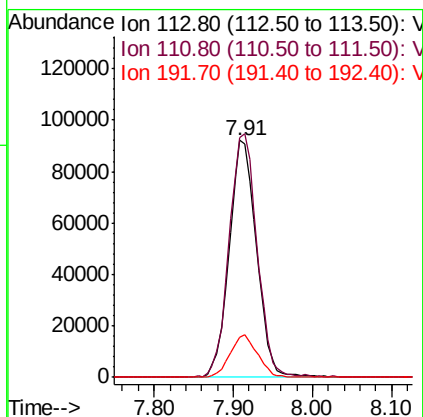
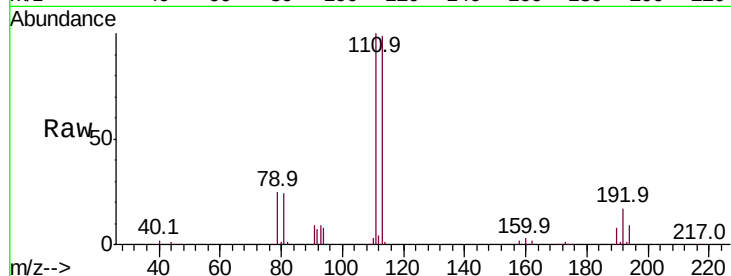




#35
 Dibromofluoromethane
 Concen: 50.375 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066622.D
 Acq: 10 Sep 2020 18:01

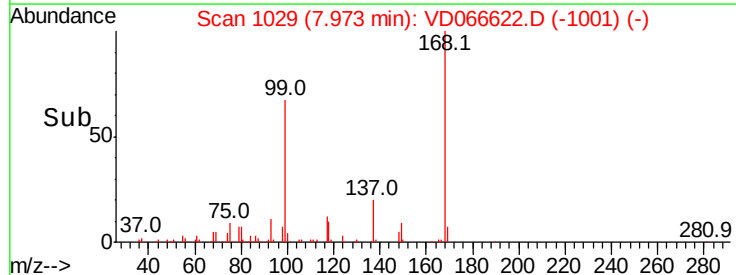
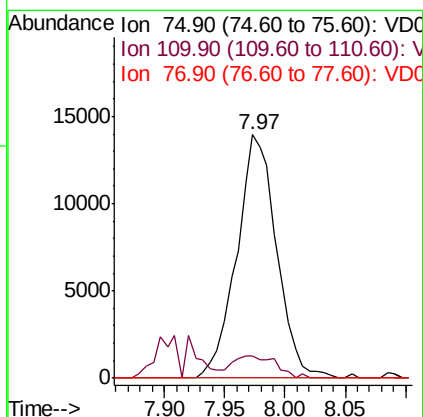
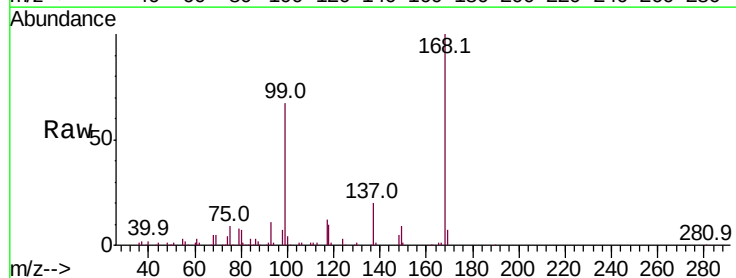
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B44-090320-DP

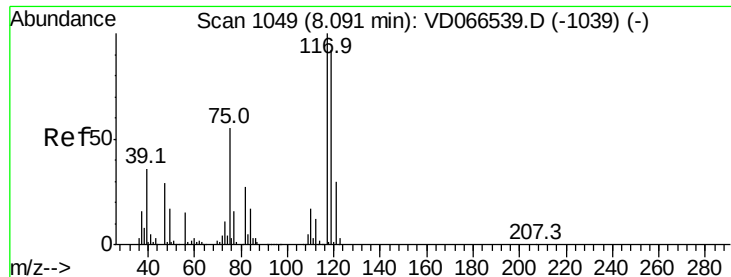
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.4	83.2	124.8
192	18.0	13.7	20.5



#36
 1,1-Dichloropropene
 Concen: 4.770 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066622.D
 Acq: 10 Sep 2020 18:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.3	52.0#
77	0.0	25.1	37.7#

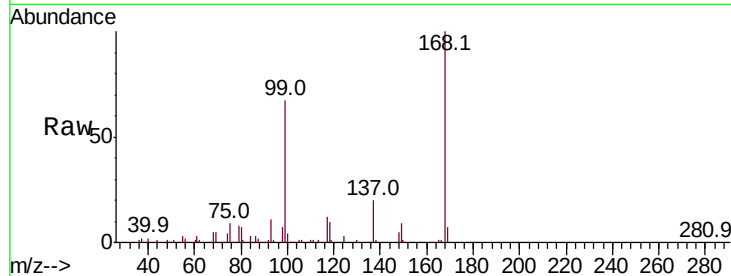




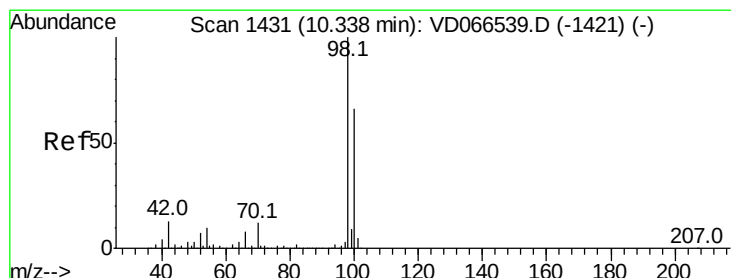
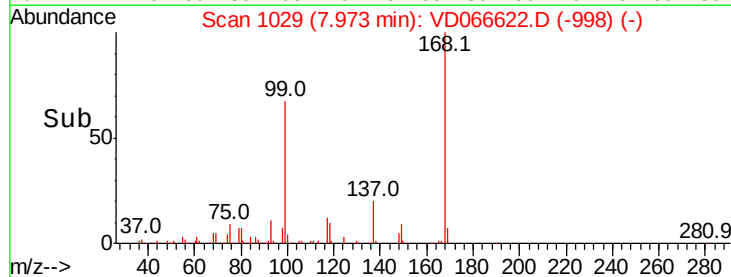
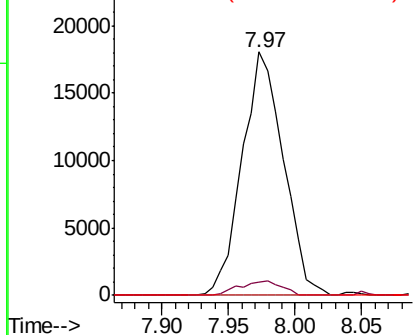
#38
Carbon Tetrachloride
Concen: 5.470 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066622.D
Acq: 10 Sep 2020 18:01

Instrument :
MSVOA_D
ClientSampleId :
PAV-B44-090320-DP

Tot Ion:117 Resp: 38783
Ion Ratio Lower Upper
117 100
119 5.7 73.9 110.9#
121 0.0 24.1 36.1#

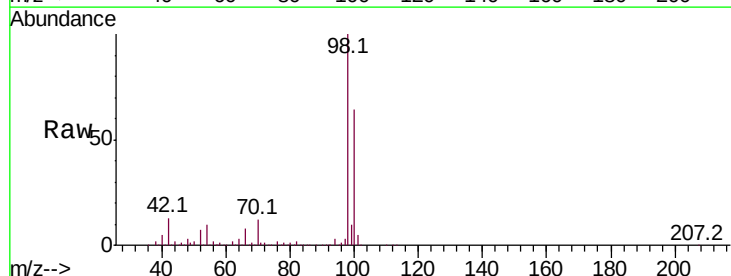


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

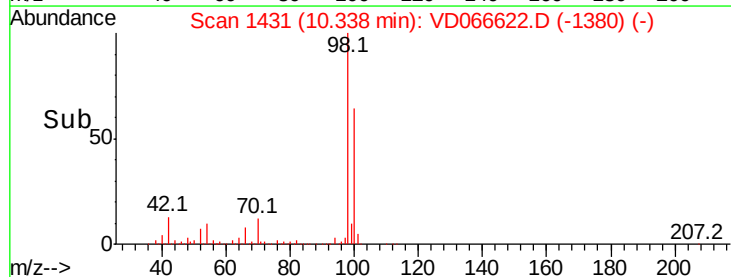
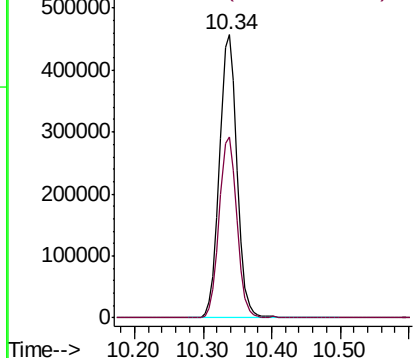


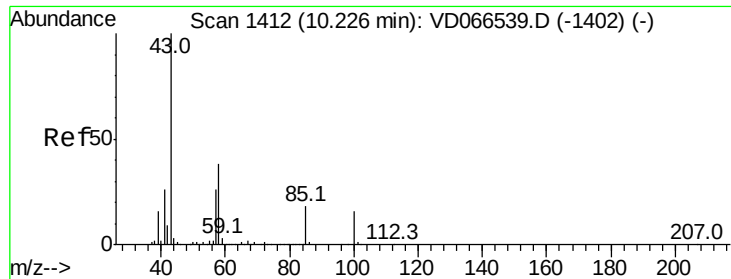
#50
Toluene-d8
Concen: 52.016 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066622.D
Acq: 10 Sep 2020 18:01

Tgt Ion: 98 Resp: 808343
Ion Ratio Lower Upper
98 100
100 64.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V

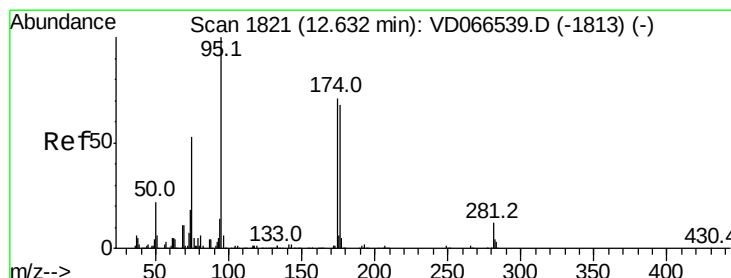
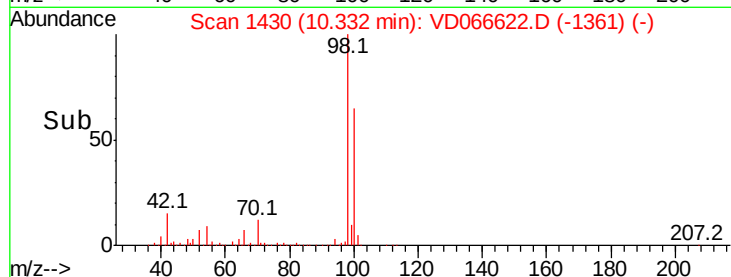
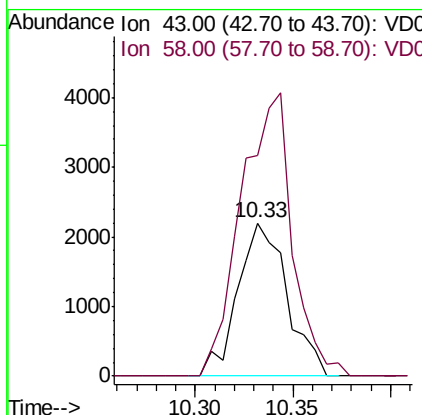
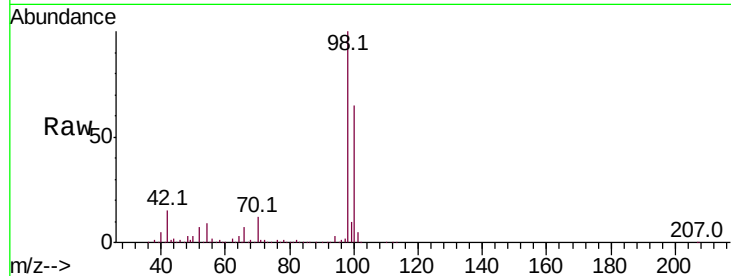




#51
4-Methyl-2-Pentanone
Concen: 1.486 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. 0.11 min
Lab File: VD066622.D
Acq: 10 Sep 2020 18:01

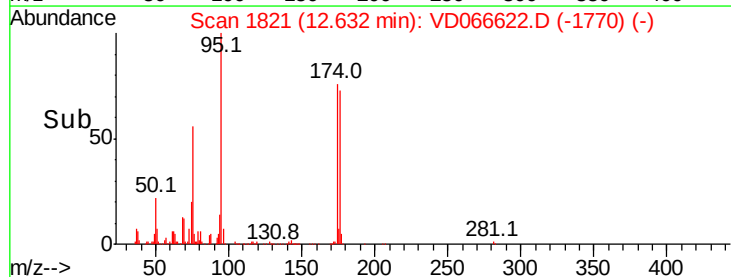
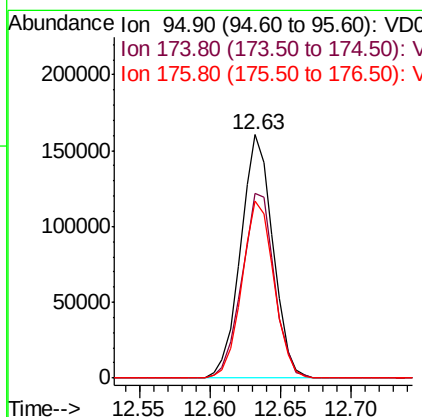
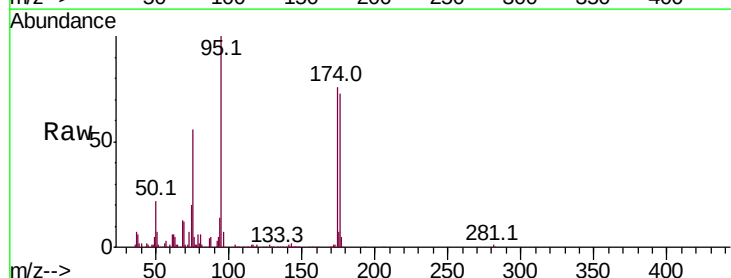
Instrument :
MSVOA_D
ClientSampleId :
PAV-B44-090320-DP

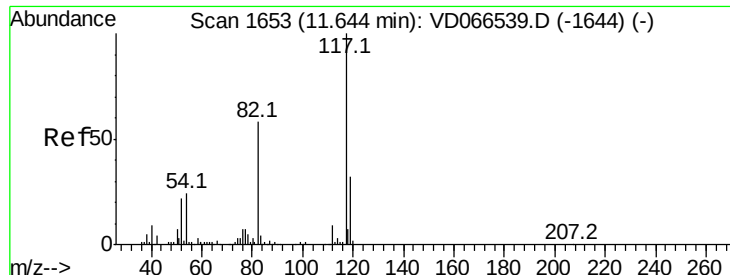
Tot Ion: 43 Resp: 3837
Ion Ratio Lower Upper
43 100
58 193.1 30.5 45.7#



#62
4-Bromofluorobenzene
Concen: 49.700 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066622.D
Acq: 10 Sep 2020 18:01

Tgt Ion: 95 Resp: 256101
Ion Ratio Lower Upper
95 100
174 76.7 0.0 155.8
176 72.4 0.0 148.6

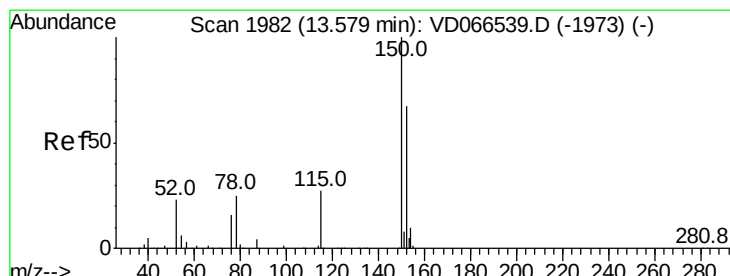
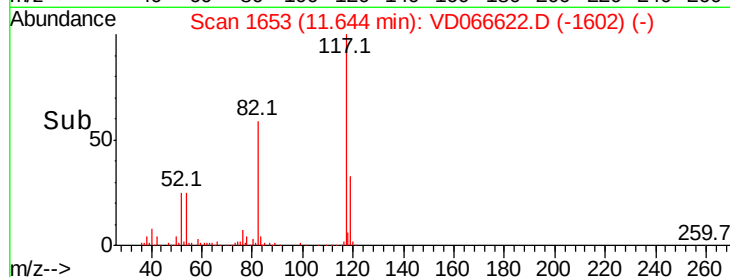
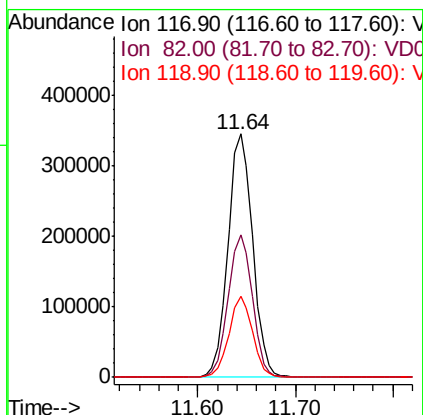
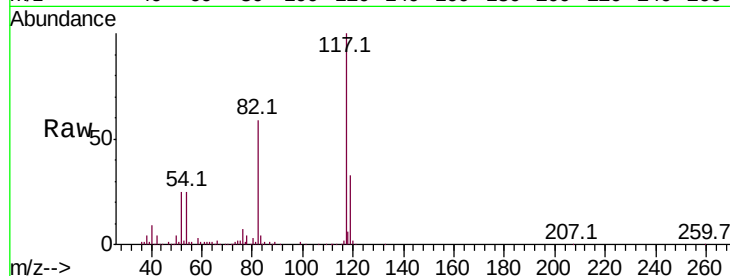




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066622.D
Acq: 10 Sep 2020 18:01

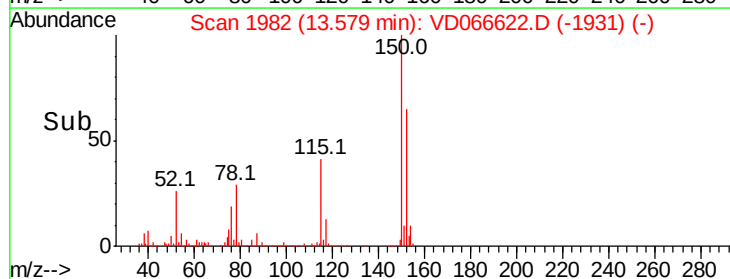
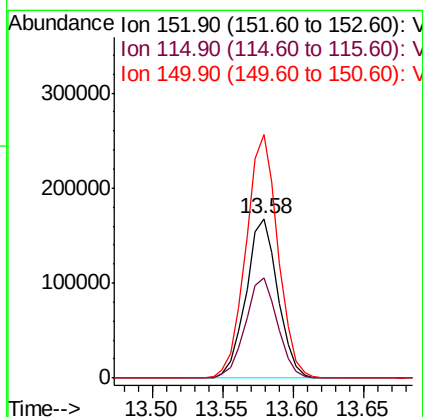
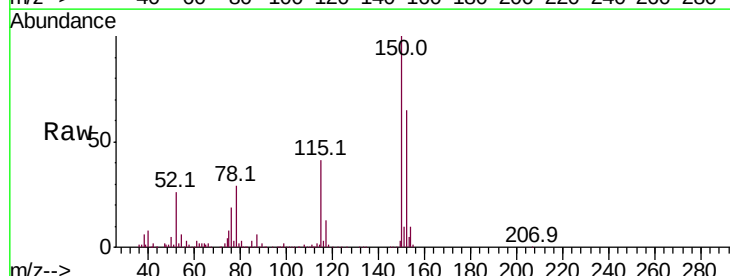
Instrument :
MSVOA_D
ClientSampleId :
PAV-B44-090320-DP

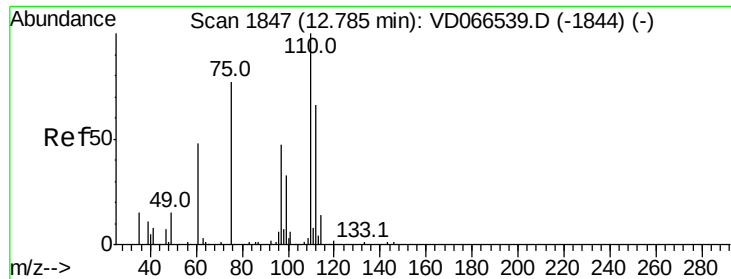
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.2	69.2
119	33.3	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066622.D
Acq: 10 Sep 2020 18:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.3	30.4	91.2
150	153.4	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 57.663 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066622.D

Acq: 10 Sep 2020 18:01

Instrument :

MSVOA_D

ClientSampleId :

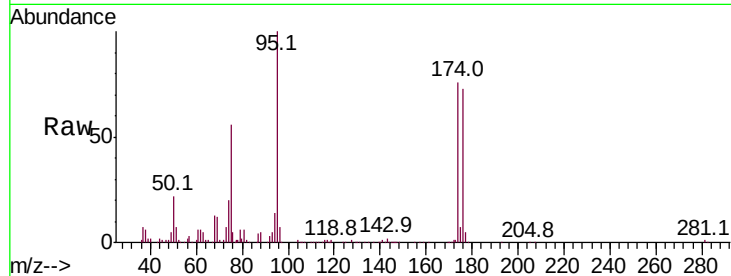
PAV-B44-090320-DP

Tot Ion: 75 Resp: 147562

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

80000

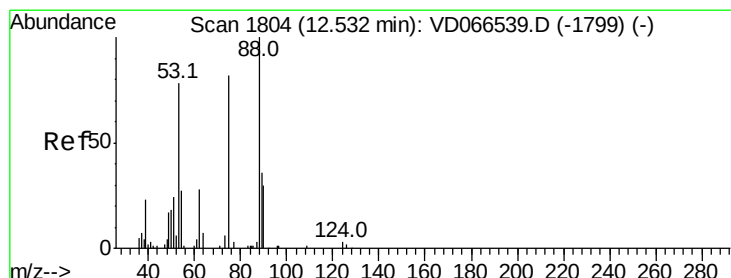
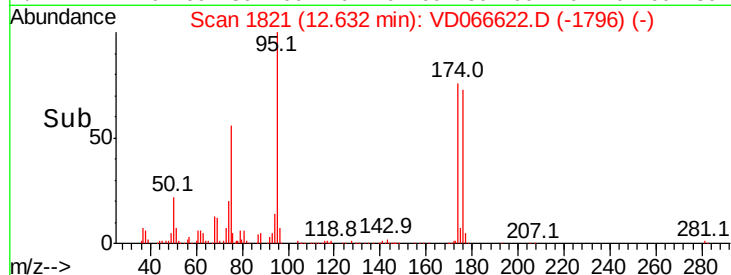
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 134.623 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066622.D

Acq: 10 Sep 2020 18:01

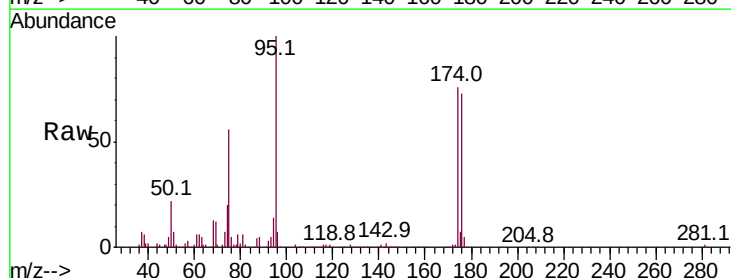
Tgt Ion: 75 Resp: 147562

Ion Ratio Lower Upper

75 100

53 0.1 87.0 130.4#

89 0.0 37.1 55.7#



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

120000

100000

80000

60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

