

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100820\
 Data File : VD067199.D
 Acq On : 08 Oct 2020 17:21
 Operator : VA/SY
 Sample : L4311-07
 Misc : 6.48G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B10-100720-16-17

Quant Time: Oct 09 03:05:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

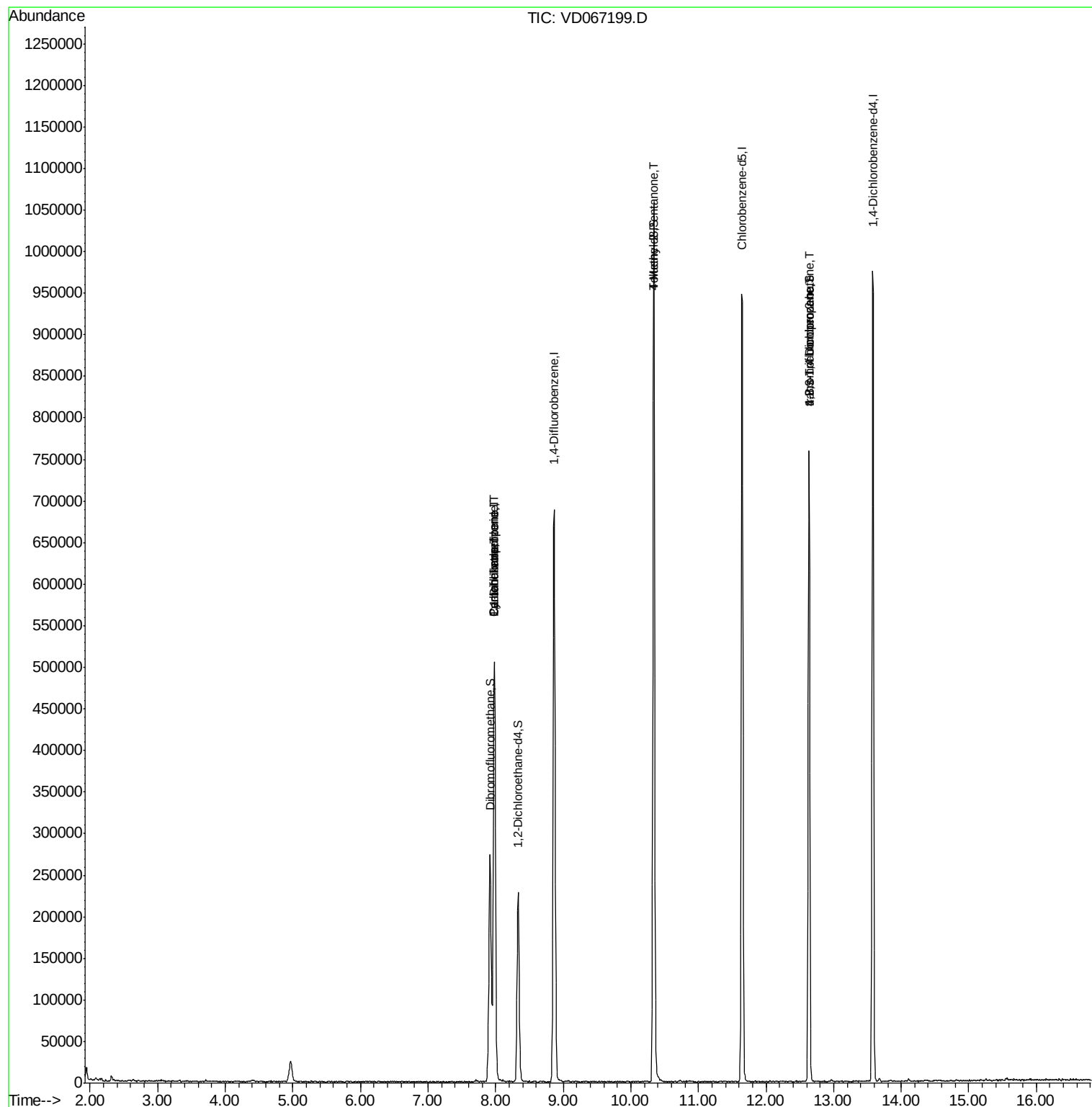
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	391319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	625266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	581648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	272997	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	187817	49.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.66%	
35) Dibromofluoromethane	7.91	113	201960	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
50) Toluene-d8	10.34	98	738637	49.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.64	95	246893	48.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	120	Below Cal	#	40
5) Bromomethane	2.79	94	57	Below Cal	#	3
20) Methylene Chloride	4.97	84	20392	Below Cal	#	91
31) Cyclohexane	7.98	56	7203	1.272	ug/l #	9
36) 1,1-Dichloropropene	7.98	75	27757	4.763	ug/l #	50
38) Carbon Tetrachloride	7.98	117	39484	6.261	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	3286	1.774	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	122852	51.664	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	122852	128.805	ug/l #	12

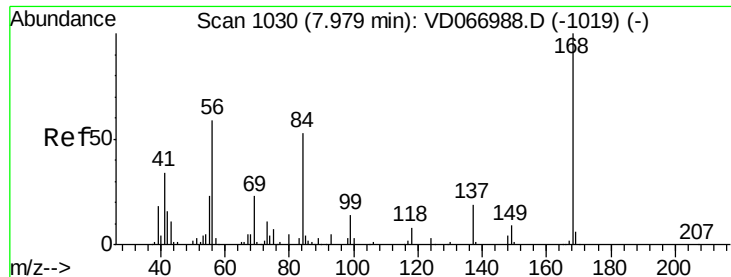
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100820\
Data File : VD067199.D
Acq On : 08 Oct 2020 17:21
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Sample : L4311-07
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PAV-B10-100720-16-17

Quant Time: Oct 09 03:05:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD067199.D

Acq: 08 Oct 2020 17:21

Instrument :

MSVOA_D

ClientSampleId :

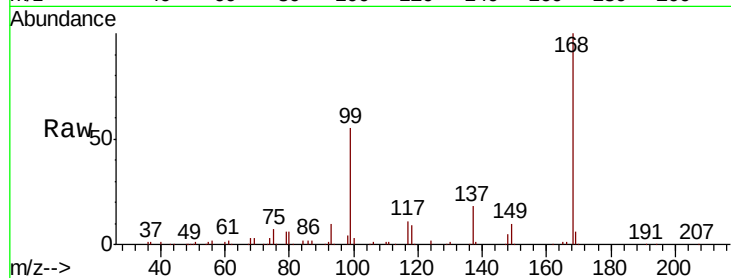
PAV-B10-100720-16-17

Tot Ion:168 Resp: 391319

Ion Ratio Lower Upper

168 100

99 55.2 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

100000

50000

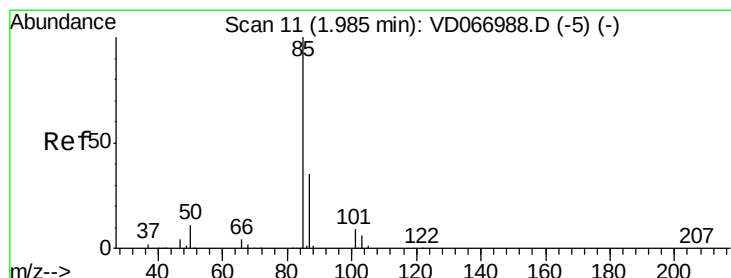
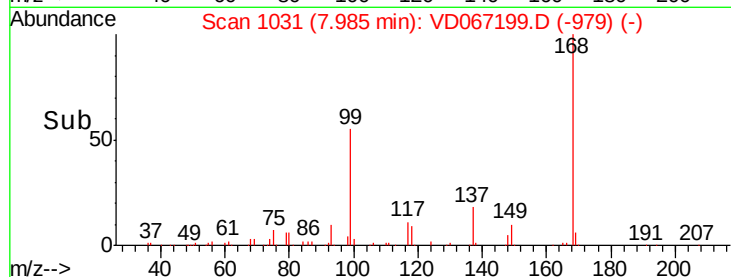
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067199.D

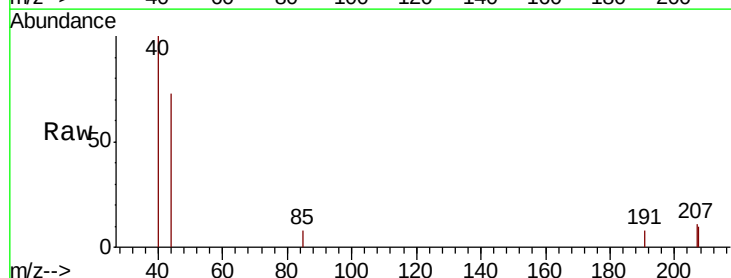
Acq: 08 Oct 2020 17:21

Tgt Ion: 85 Resp: 120

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

200

150

100

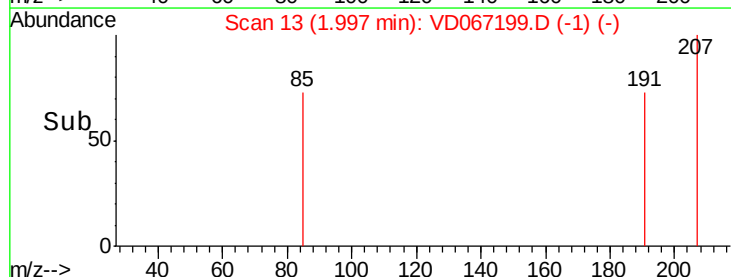
50

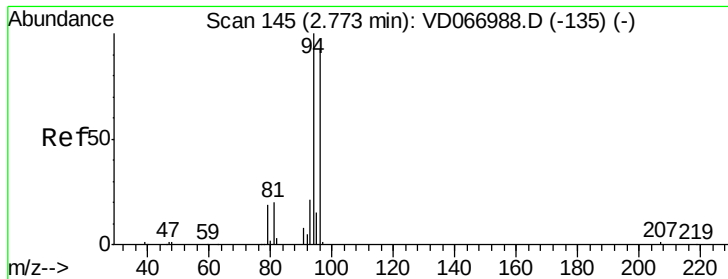
0

1.98

2.00

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067199.D

Acq: 08 Oct 2020 17:21

Instrument :

MSVOA_D

ClientSampleId :

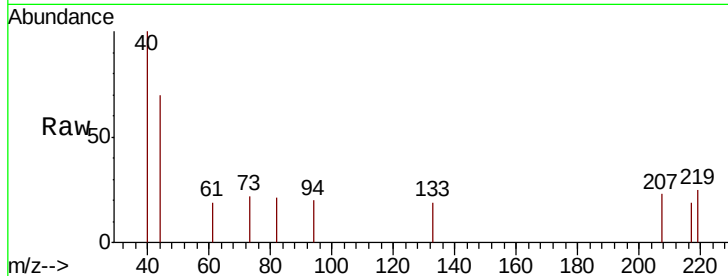
PAV-B10-100720-16-17

Tot Ion: 94 Resp: 57

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

150

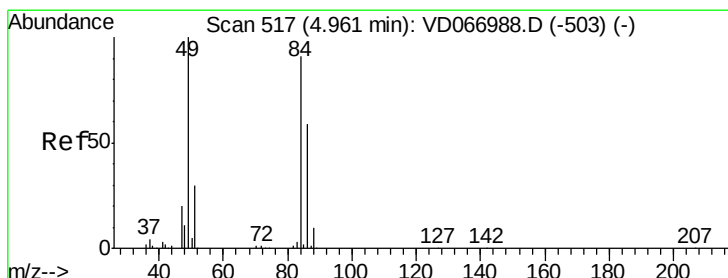
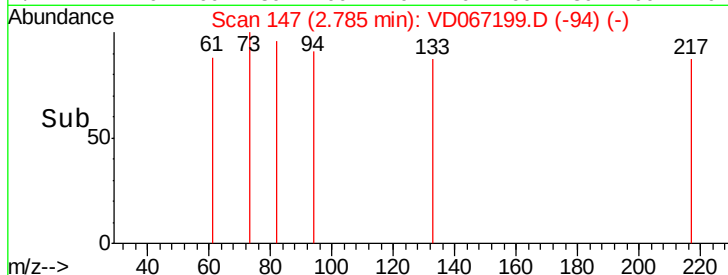
100

50

0

2.77 2.78 2.79 2.80

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067199.D

Acq: 08 Oct 2020 17:21

Tgt Ion: 84 Resp: 20392

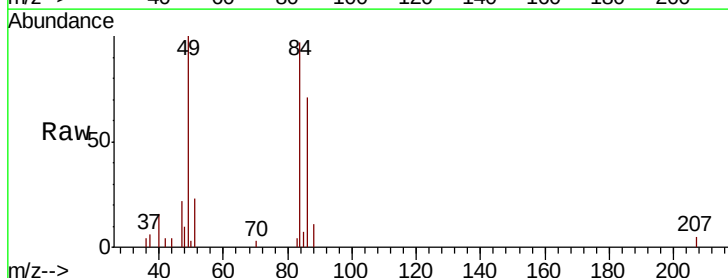
Ion Ratio Lower Upper

84 100

49 102.6 88.2 132.2

51 23.7 26.6 39.8#

86 72.4 52.1 78.1



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

10000

8000

6000

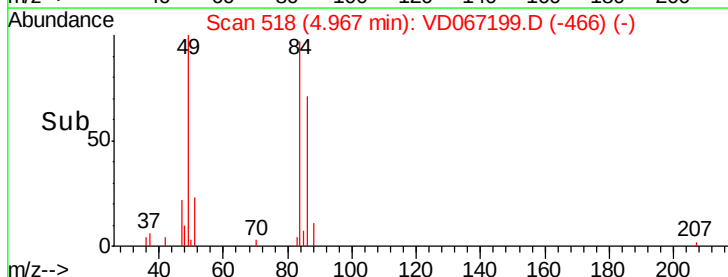
4000

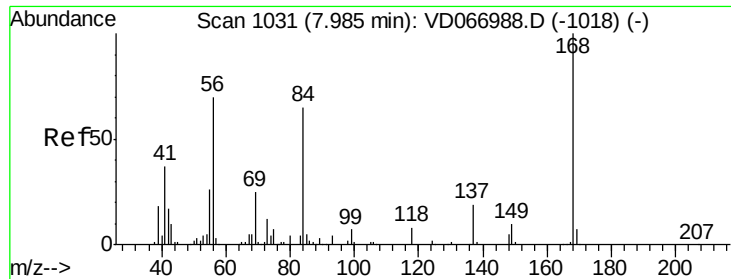
2000

0

4.90 4.97 5.00

Time-->

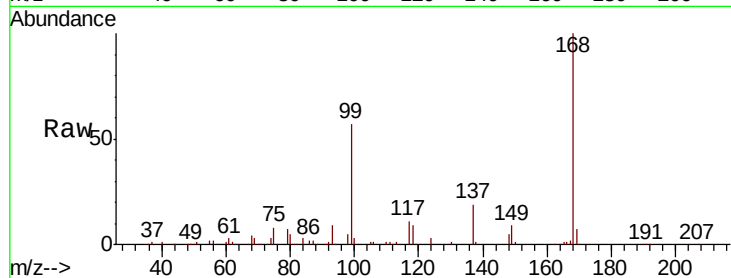




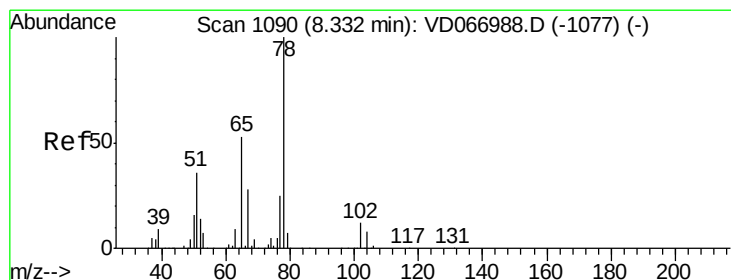
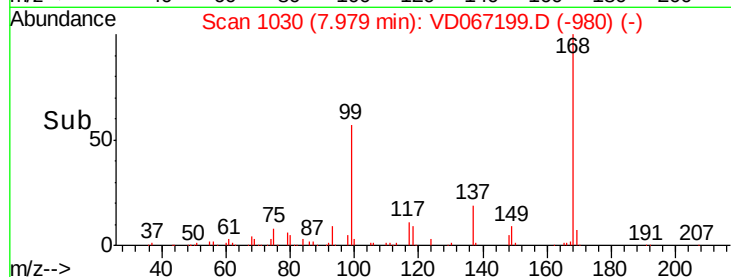
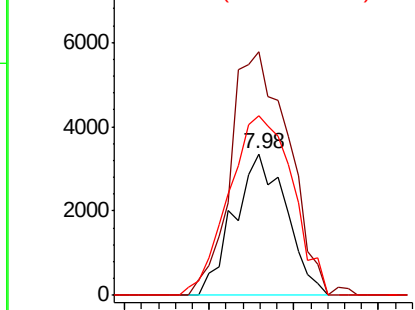
#31
Cyclohexane
Concen: 1.272 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067199.D
Acq: 08 Oct 2020 17:21

Instrument :
MSVOA_D
ClientSampleId :
PAV-B10-100720-16-17

Tot Ion: 56 Resp: 7203
Ion Ratio Lower Upper
56 100
69 172.4 29.0 43.6#
84 127.0 74.2 111.2#

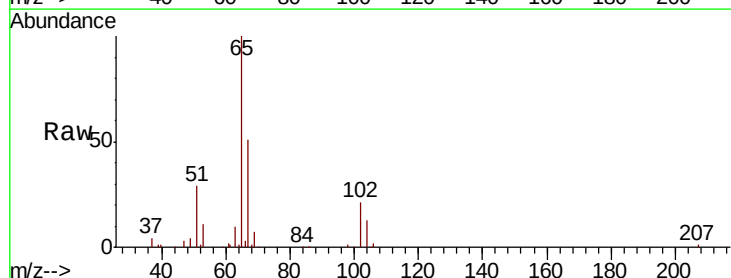


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

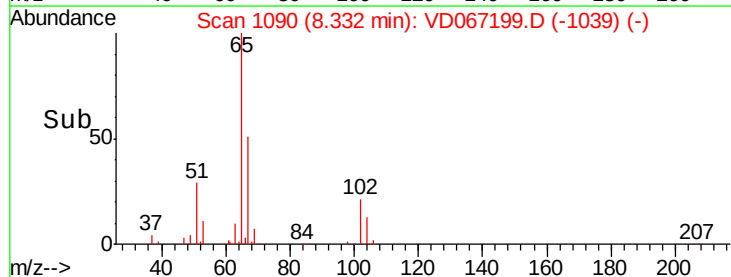
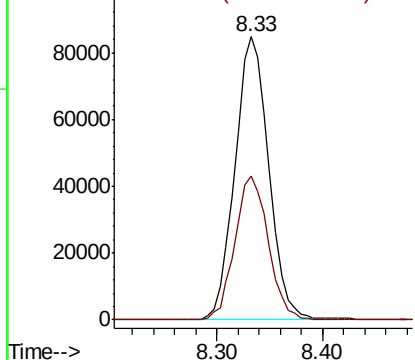


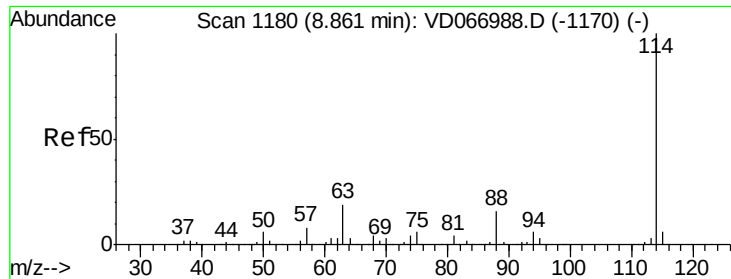
#33
1,2-Dichloroethane-d4
Concen: 49.830 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067199.D
Acq: 08 Oct 2020 17:21

Tgt Ion: 65 Resp: 187817
Ion Ratio Lower Upper
65 100
67 50.5 0.0 106.8



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

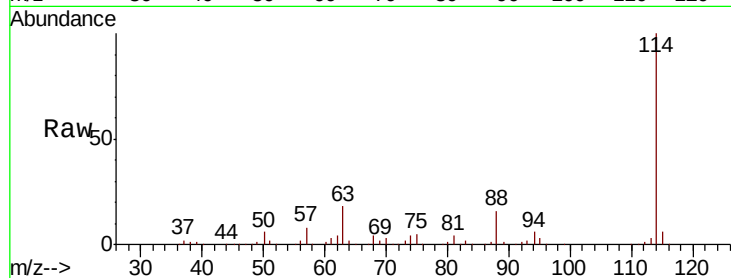




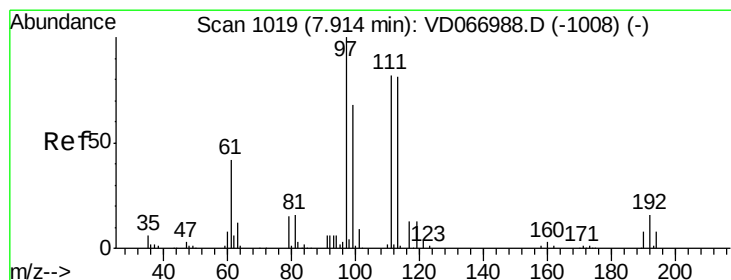
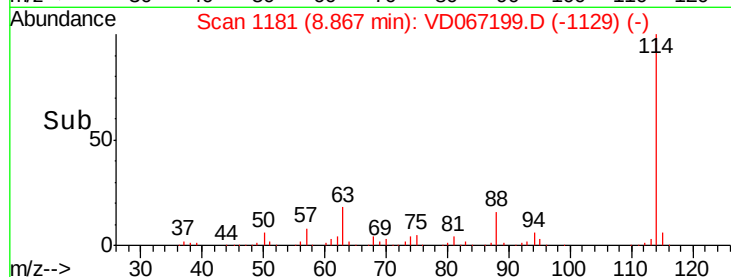
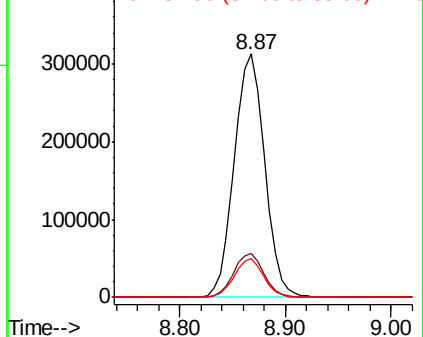
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067199.D
 Acq: 08 Oct 2020 17:21

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B10-100720-16-17

Tot Ion:114 Resp: 625266
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 38.4
 88 15.7 0.0 31.2

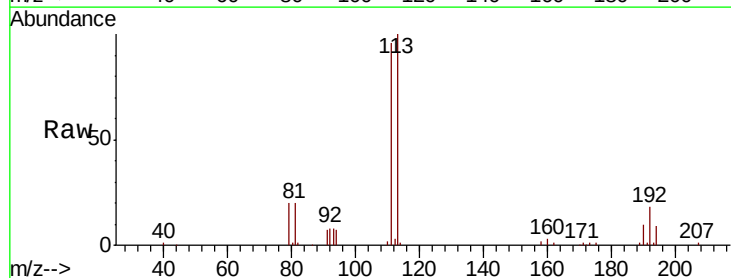


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

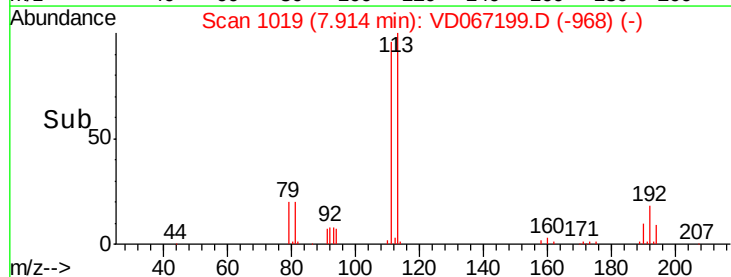
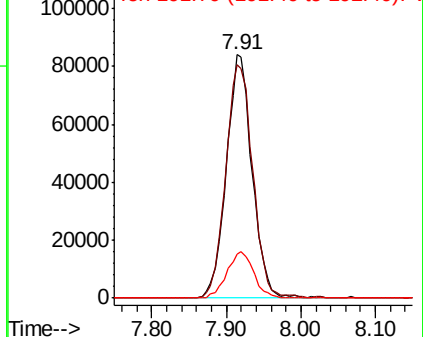


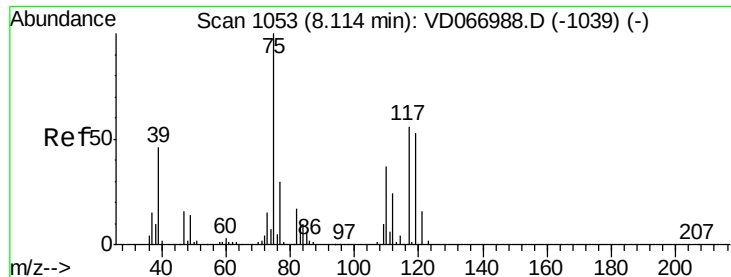
#35
 Dibromofluoromethane
 Concen: 49.337 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067199.D
 Acq: 08 Oct 2020 17:21

Tgt Ion:113 Resp: 201960
 Ion Ratio Lower Upper
 113 100
 111 100.5 83.0 124.4
 192 19.7 15.5 23.3



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: 4.763 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067199.D

Acq: 08 Oct 2020 17:21

Instrument :

MSVOA_D

ClientSampleId :

PAV-B10-100720-16-17

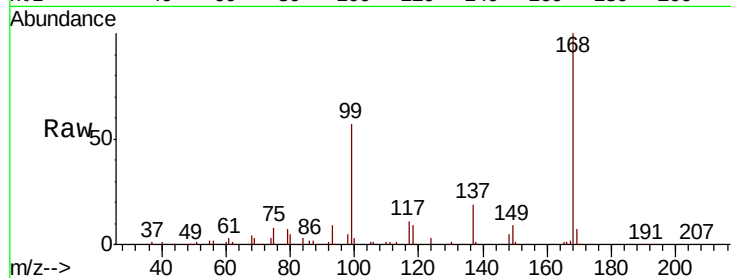
Tot Ion: 75 Resp: 27757

Ion Ratio Lower Upper

75 100

110 10.6 18.4 55.0#

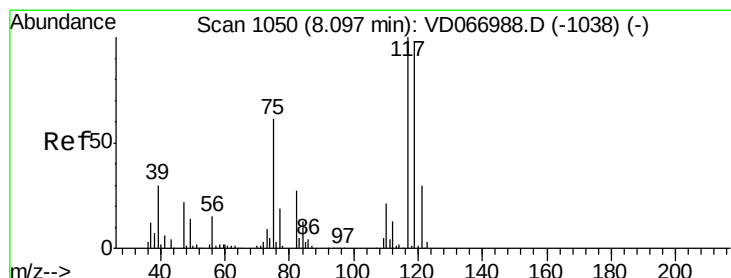
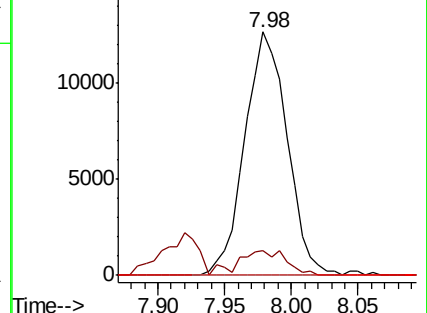
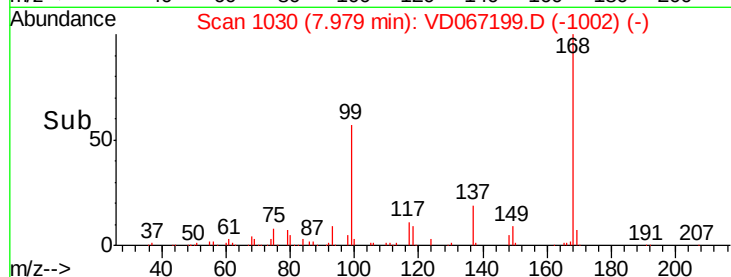
77 0.0 24.8 37.2#



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: 6.261 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067199.D

Acq: 08 Oct 2020 17:21

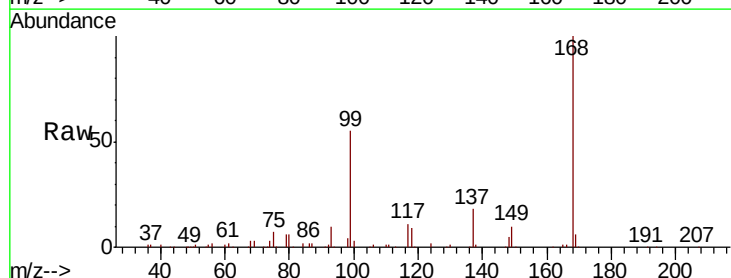
Tgt Ion: 117 Resp: 39484

Ion Ratio Lower Upper

117 100

119 3.8 78.7 118.1#

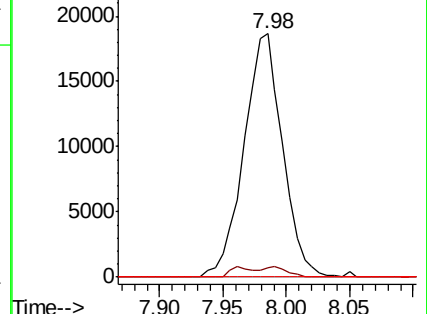
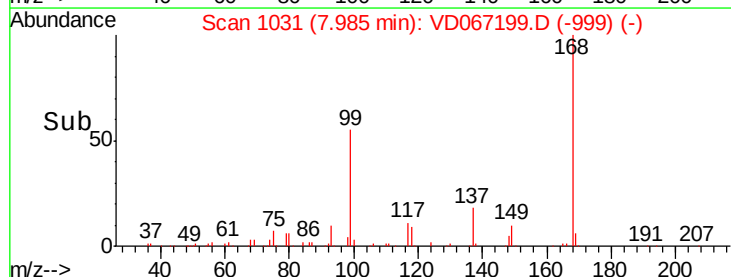
121 0.0 24.2 36.2#

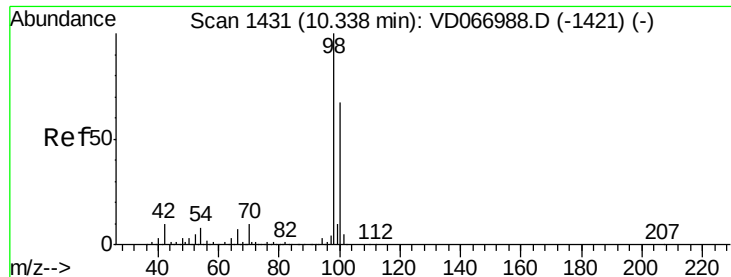


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

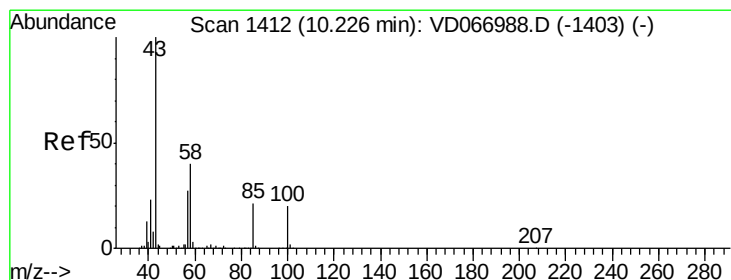
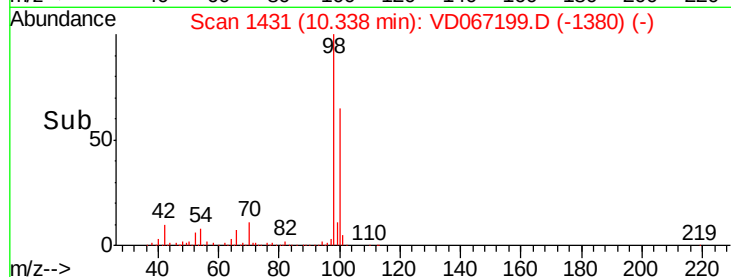
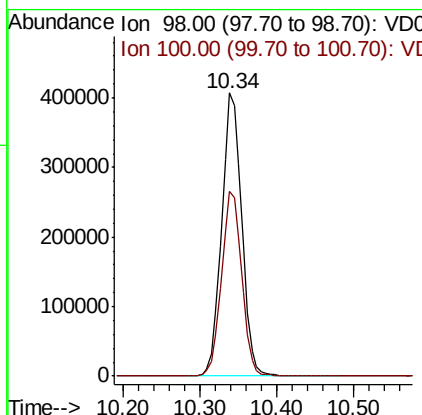
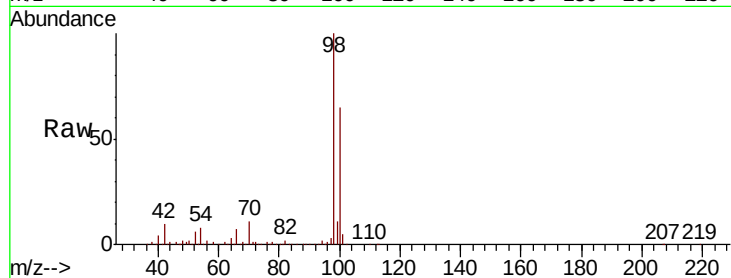




#50
Toluene-d8
Concen: 49.519 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067199.D
Acq: 08 Oct 2020 17:21

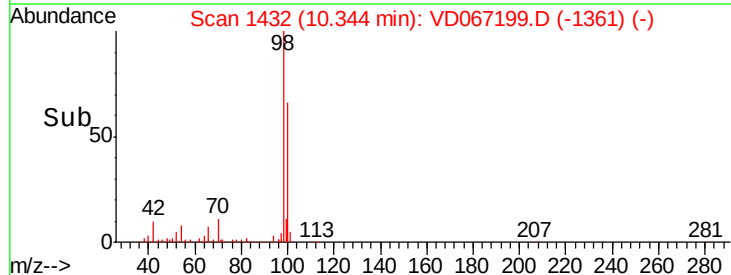
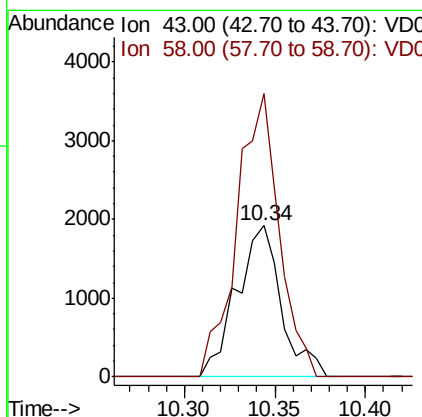
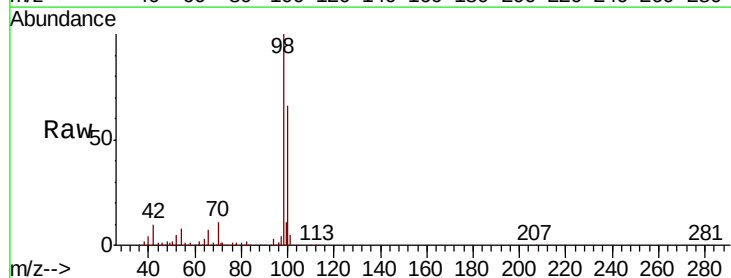
Instrument :
MSVOA_D
ClientSampleId :
PAV-B10-100720-16-17

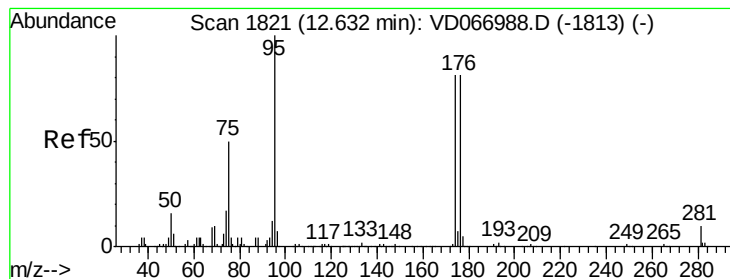
Tot Ion: 98 Resp: 738637
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.774 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.12 min
Lab File: VD067199.D
Acq: 08 Oct 2020 17:21

Tgt Ion: 43 Resp: 3286
Ion Ratio Lower Upper
43 100
58 177.5 33.8 50.8#





#62

4-Bromofluorobenzene

Concen: 48.757 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067199.D

Acq: 08 Oct 2020 17:21

Instrument :

MSVOA_D

ClientSampleId :

PAV-B10-100720-16-17

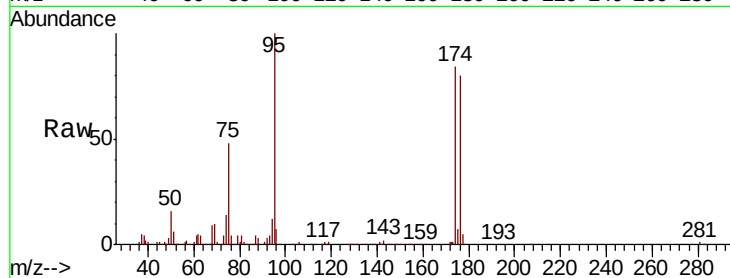
Tot Ion: 95 Resp: 246893

Ion Ratio Lower Upper

95 100

174 86.0 0.0 167.6

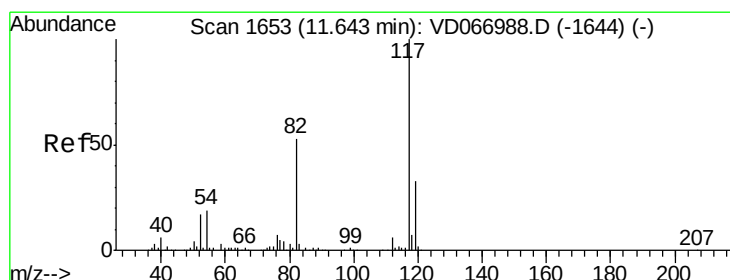
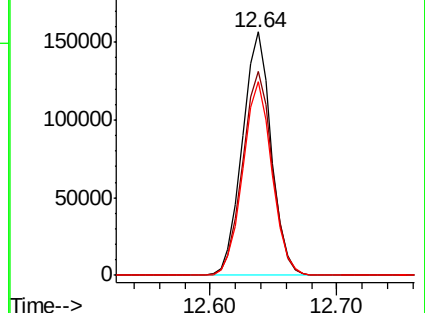
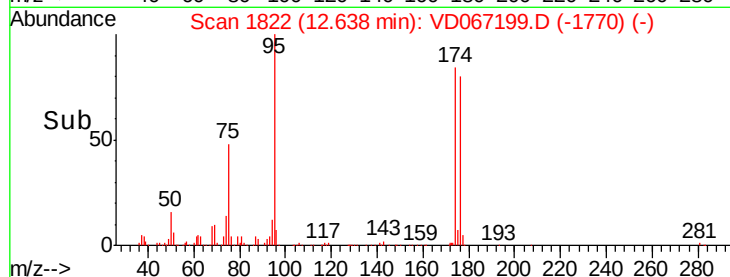
176 80.6 0.0 162.4



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: VD067199.D

Acq: 08 Oct 2020 17:21

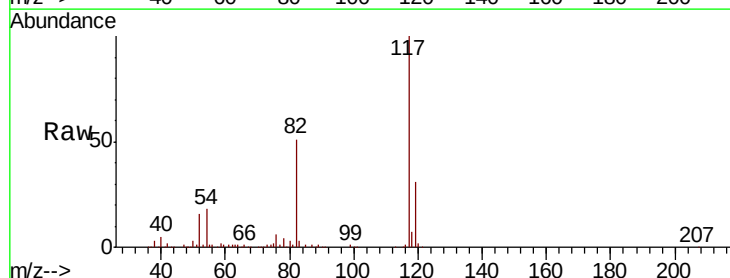
Tgt Ion: 117 Resp: 581648

Ion Ratio Lower Upper

117 100

82 50.8 42.6 63.8

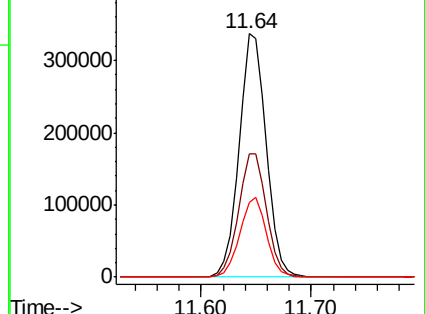
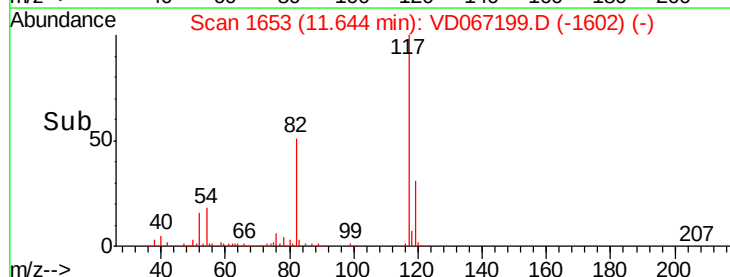
119 30.6 26.3 39.5

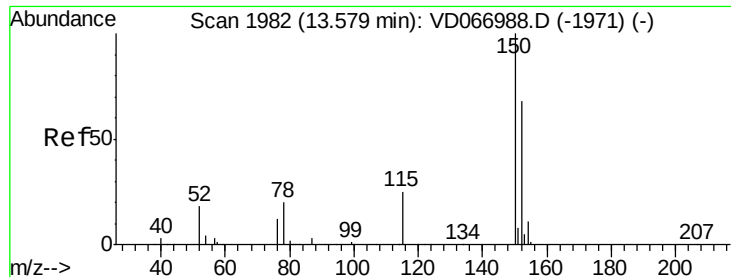


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



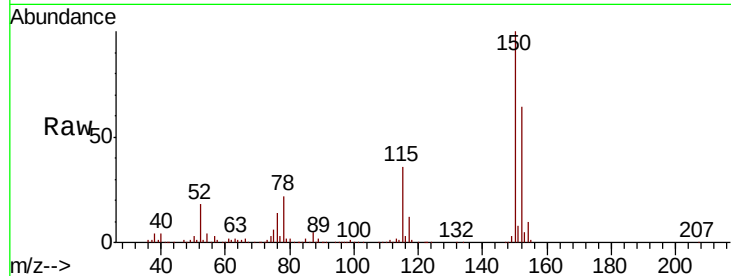


#72

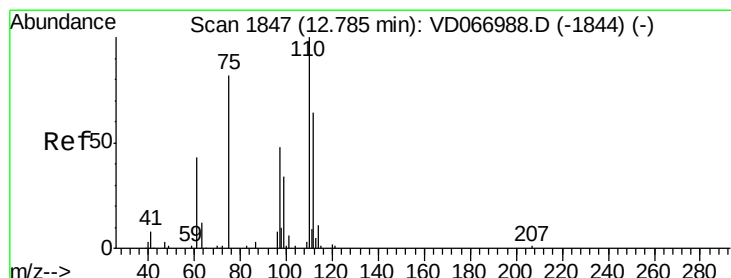
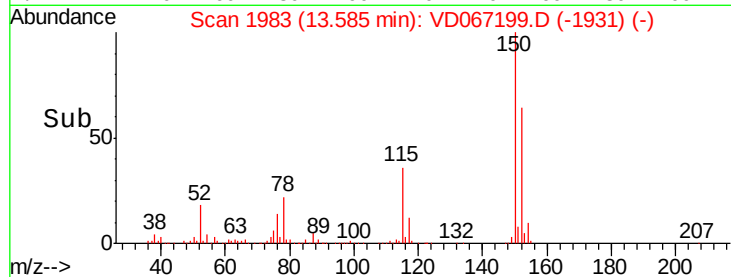
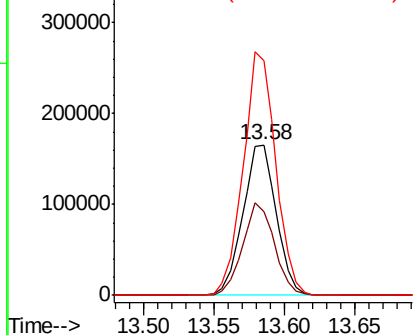
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067199.D
Acq: 08 Oct 2020 17:21

Instrument :
MSVOA_D
ClientSampleId :
PAV-B10-100720-16-17

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.6	88.8
150	158.4	0.0	344.8



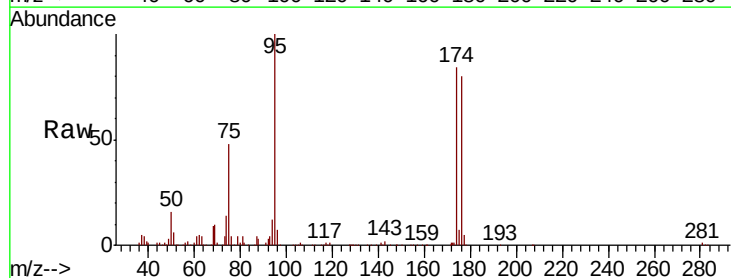
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



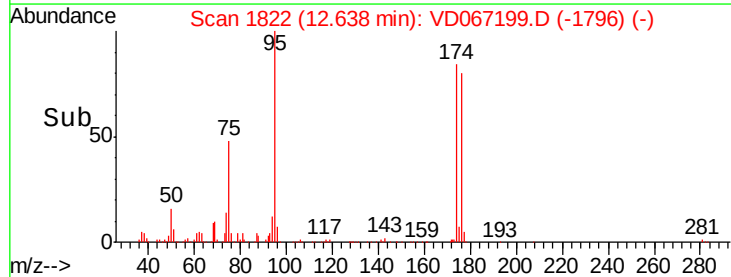
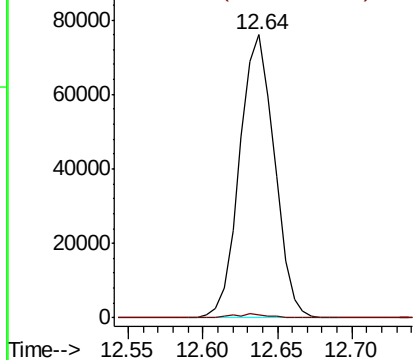
#76

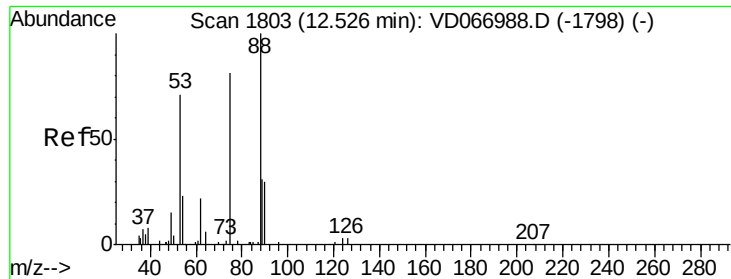
1,2,3-Trichloropropane
Concen: 51.664 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067199.D
Acq: 08 Oct 2020 17:21

Tgt 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: 128.805 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067199.D
 Acq: 08 Oct 2020 17:21

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B10-100720-16-17

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.2	73.8	110.6#
89	0.0	38.9	58.3#

