

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067174.D
 Acq On : 08 Oct 2020 02:30
 Operator : VA/SY
 Sample : L4292-01
 Misc : 7.24G/5.00ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B13-100620-0-1

Quant Time: Oct 08 07:30:10 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	395372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	651954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	603701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	276132	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	195482	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
35) Dibromofluoromethane	7.91	113	206855	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
50) Toluene-d8	10.34	98	767504	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.64	95	252100	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	

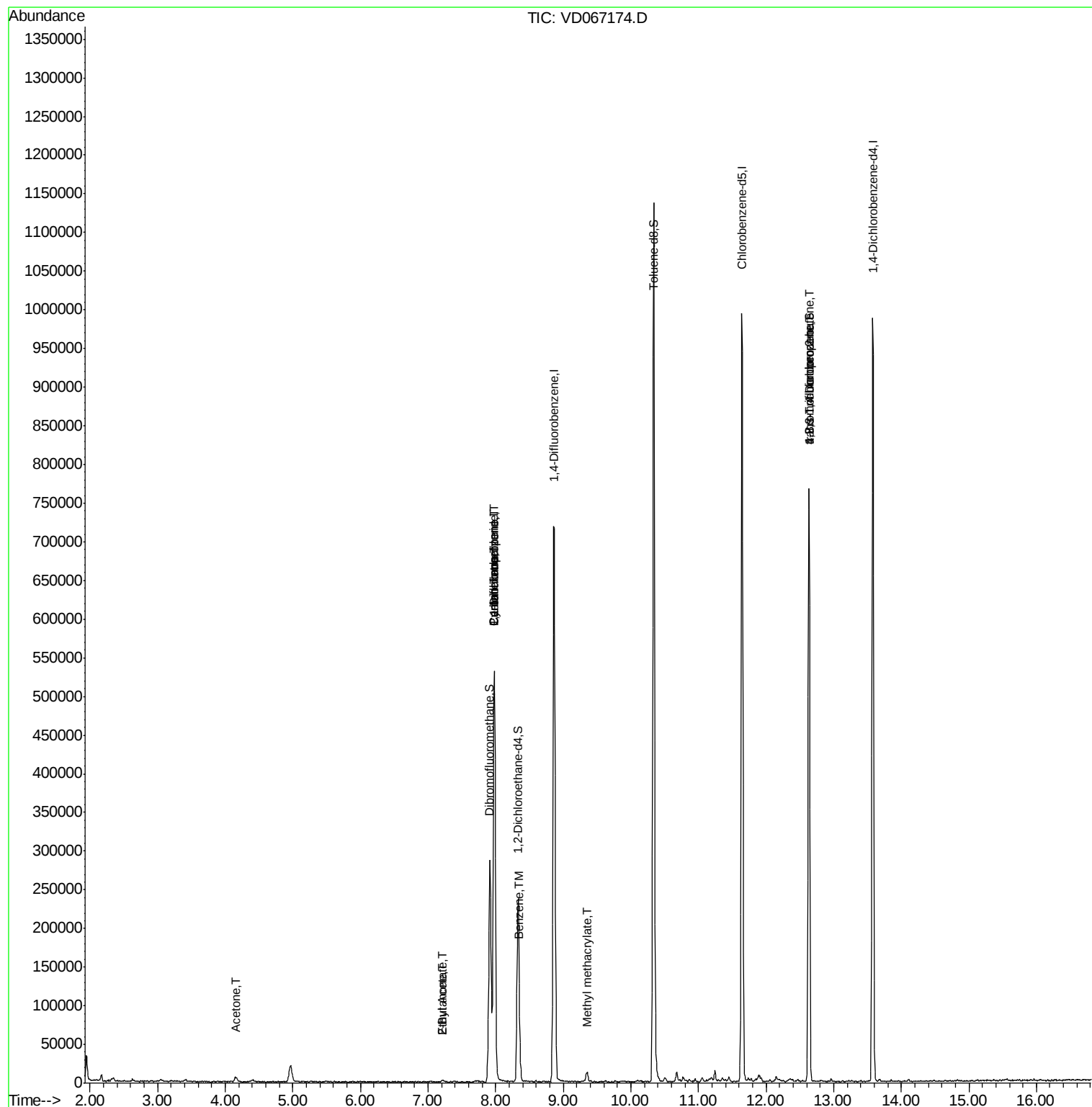
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	489	Below Cal	#	40
5) Bromomethane	2.79	94	152	Below Cal		81
11) Tert butyl alcohol	5.21	59	101	Below Cal	#	72
16) Acetone	4.16	43	10603	18.239	ug/l	94
20) Methylene Chloride	4.96	84	17167	Below Cal		93
25) 2-Butanone	7.22	43	2962	3.594	ug/l	100
26) 2,2-Dichloropropane	7.20	77	83	Below Cal	#	53
31) Cyclohexane	7.98	56	9110	1.593	ug/l	# 1
36) 1,1-Dichloropropene	7.98	75	28428	4.678	ug/l	# 50
37) Ethyl Acetate	7.22	43	2962	1.407	ug/l	# 66
38) Carbon Tetrachloride	7.98	117	41970	6.383	ug/l	# 14
40) Benzene	8.36	78	18152	1.075	ug/l	91
48) Methyl methacrylate	9.36	41	3092	1.556	ug/l	# 64
76) 1,2,3-Trichloropropane	12.64	75	125032	51.984	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	125032	129.603	ug/l	# 12

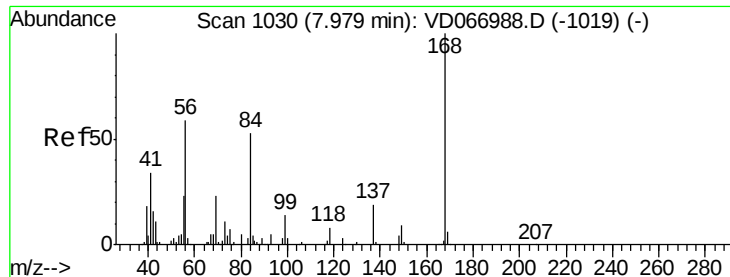
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100720\
Data File : VD067174.D
Acq On : 08 Oct 2020 02:30
Operator : VA/SY
Sample : L4292-01
Misc : 7.24G/5.00ml/MSVOA D/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PAV-B13-100620-0-1

Quant Time: Oct 08 07:30:10 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# 1030

Delta R.T. -0.00 min

Lab File: VD067174.D

Acq: 08 Oct 2020 02:30

Instrument :

MSVOA_D

ClientSampleId :

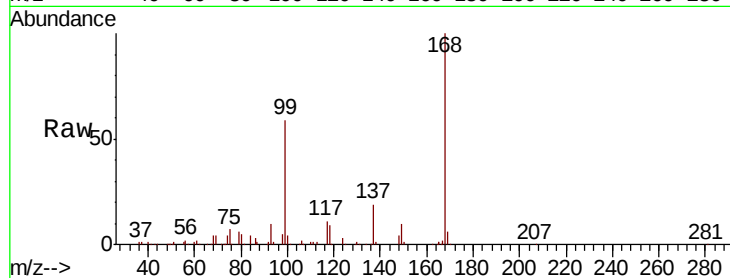
PAV-B13-100620-0-1

Tot Ion:168 Resp: 395372

Ion Ratio Lower Upper

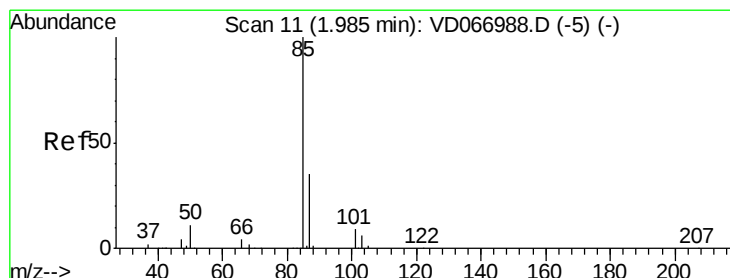
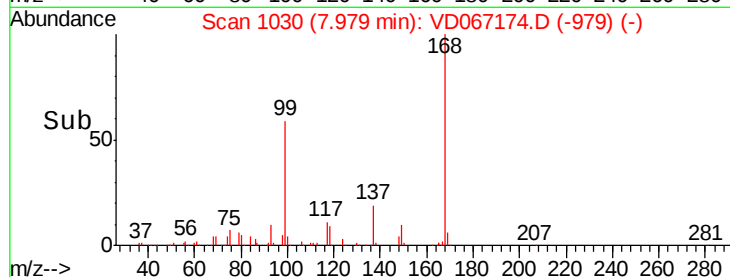
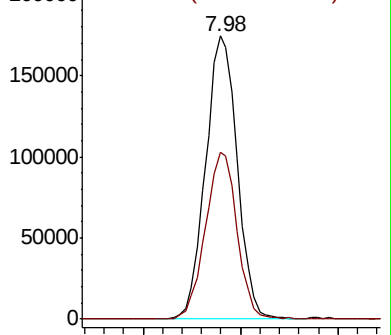
168 100

99 58.8 44.1 66.1



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# 11

Delta R.T. 0.00 min

Lab File: VD067174.D

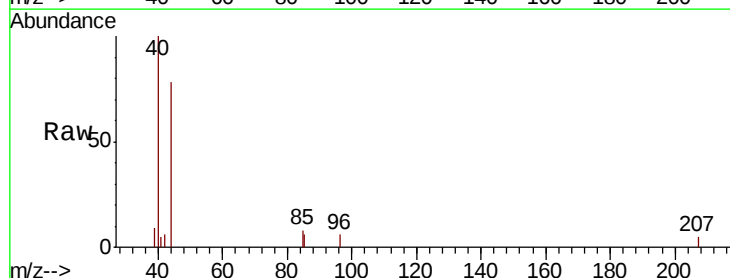
Acq: 08 Oct 2020 02:30

Tgt Ion: 85 Resp: 489

Ion Ratio Lower Upper

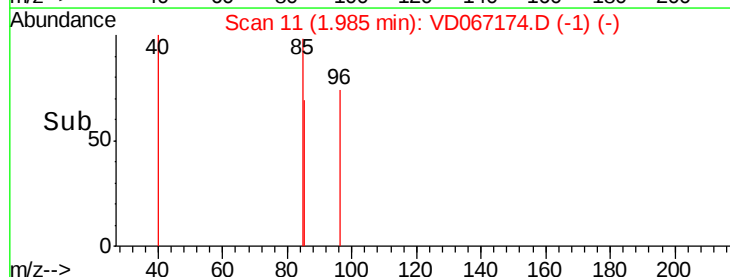
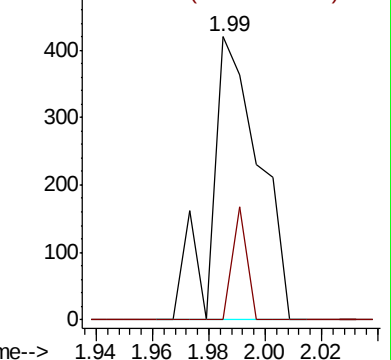
85 100

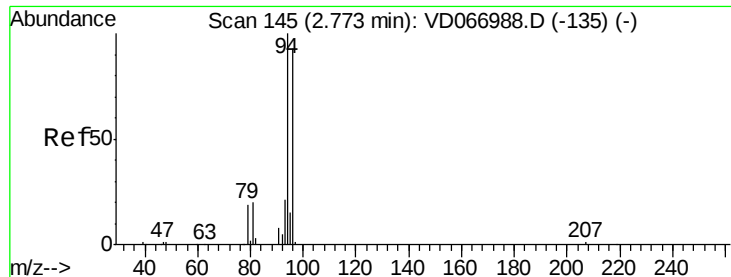
87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067174.D

Acq: 08 Oct 2020 02:30

Instrument :

MSVOA_D

ClientSampleId :

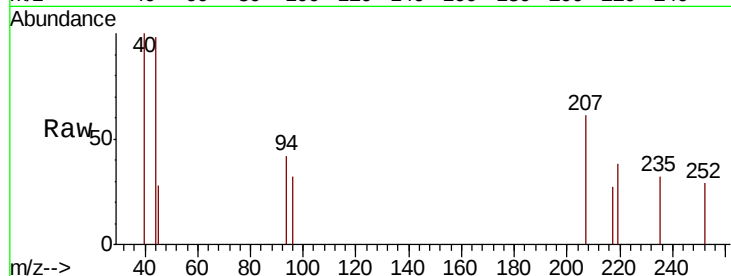
PAV-B13-100620-0-1

Tot Ion: 94 Resp: 152

Ion Ratio Lower Upper

94 100

96 75.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

500

400

300

200

100

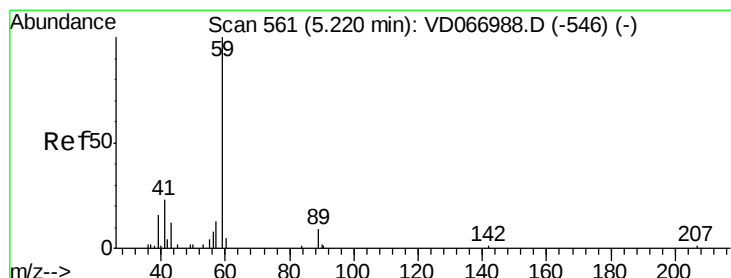
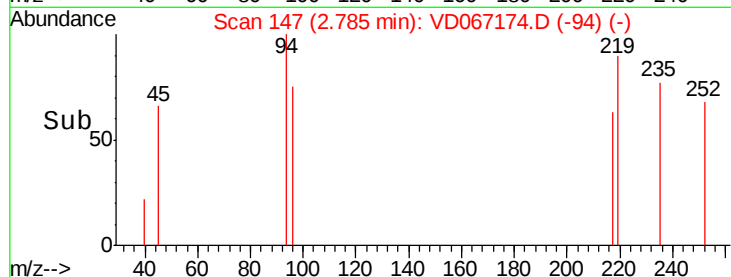
0

2.76

2.78

2.80

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067174.D

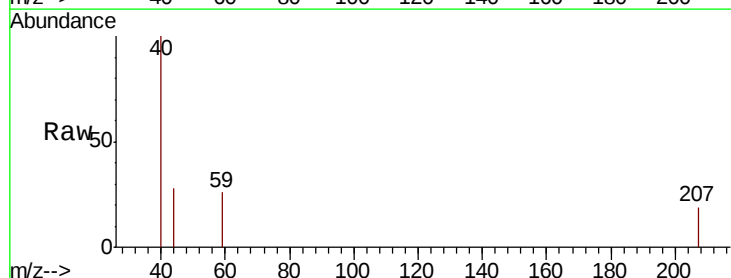
Acq: 08 Oct 2020 02:30

Tgt Ion: 59 Resp: 101

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

300

200

100

0

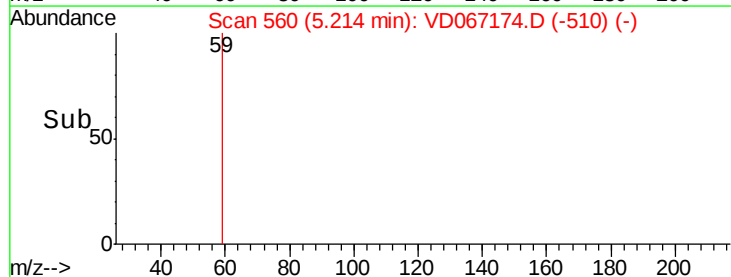
5.20

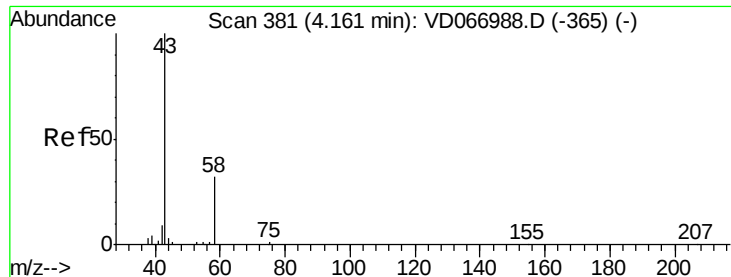
5.21

5.22

5.23

Time-->





#16

Acetone

Concen: 18.239 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD067174.D

Acq: 08 Oct 2020 02:30

Instrument :

MSVOA_D

ClientSampleId :

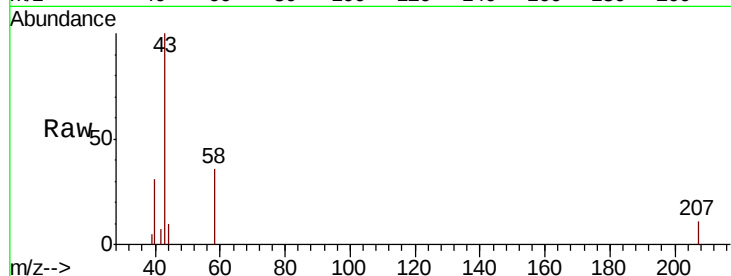
PAV-B13-100620-0-1

Tot Ion: 43 Resp: 10603

Ion Ratio Lower Upper

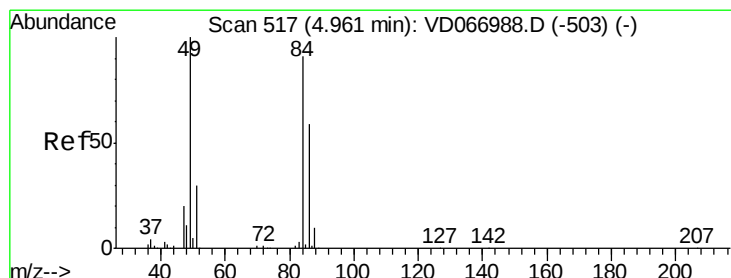
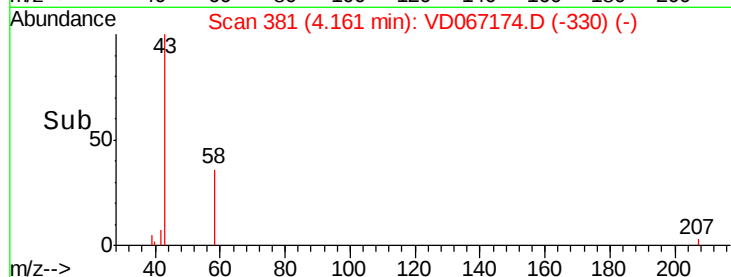
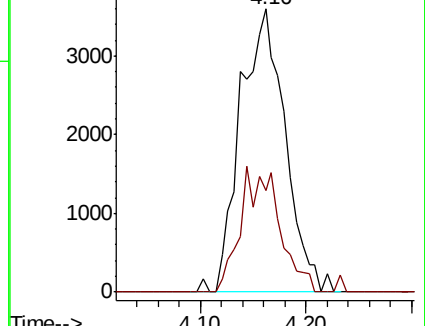
43 100

58 36.0 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067174.D

Acq: 08 Oct 2020 02:30

Tgt Ion: 84 Resp: 17167

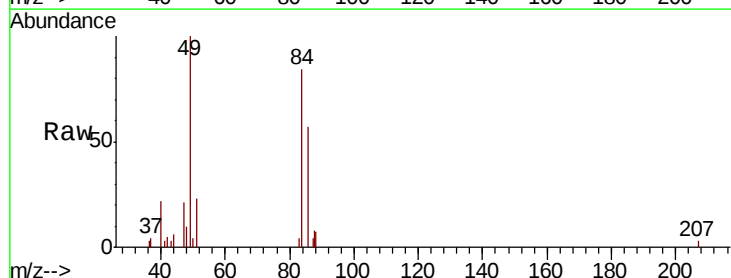
Ion Ratio Lower Upper

84 100

49 118.9 88.2 132.2

51 26.8 26.6 39.8

86 67.5 52.1 78.1

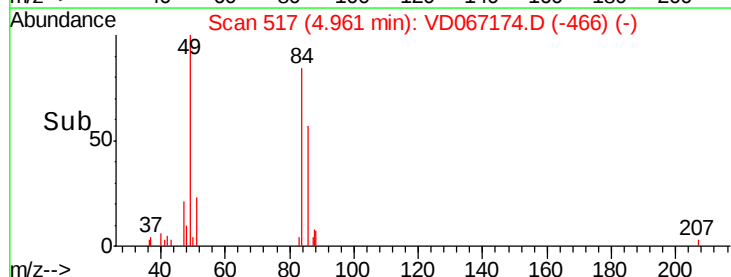
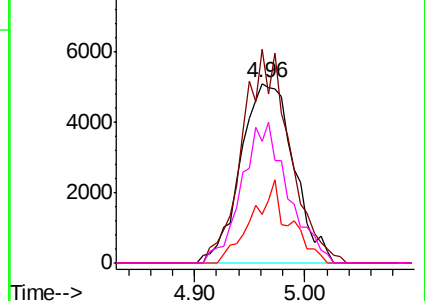


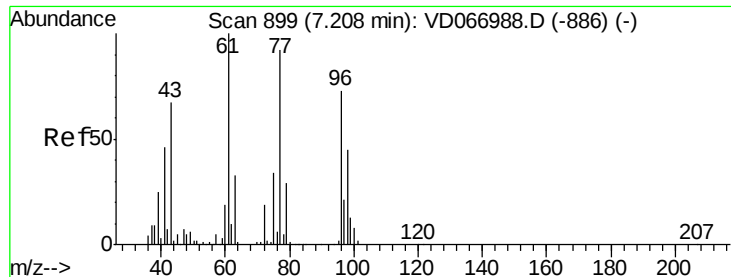
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 3.594 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067174.D

Acq: 08 Oct 2020 02:30

Instrument :

MSVOA_D

ClientSampleId :

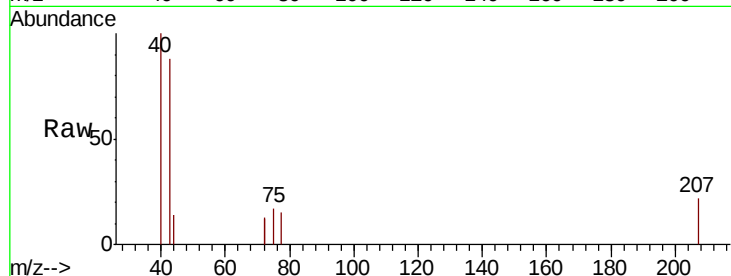
PAV-B13-100620-0-1

Tot Ion: 43 Resp: 2962

Ion Ratio Lower Upper

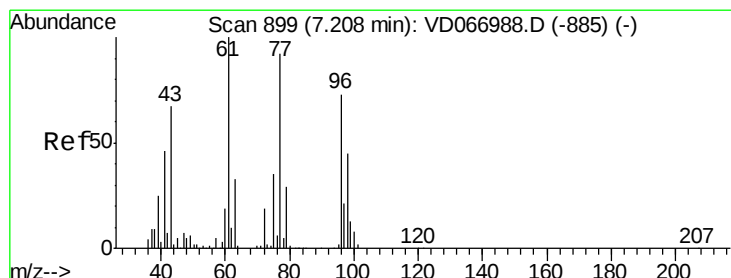
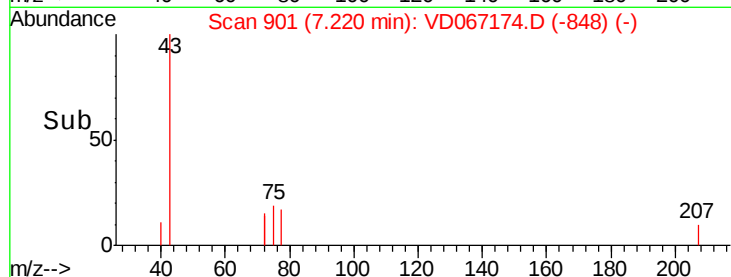
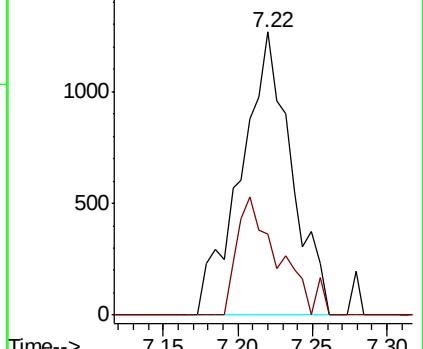
43 100

72 28.7 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067174.D

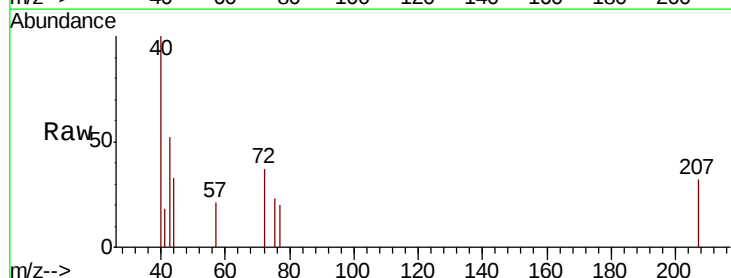
Acq: 08 Oct 2020 02:30

Tgt Ion: 77 Resp: 83

Ion Ratio Lower Upper

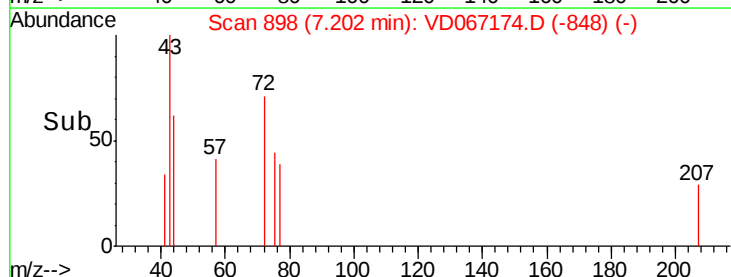
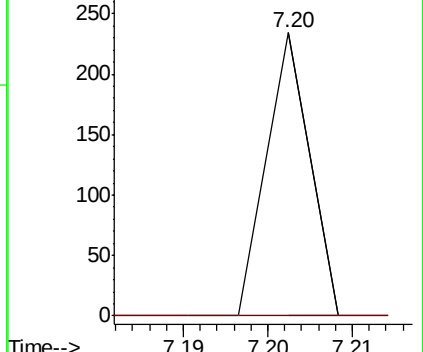
77 100

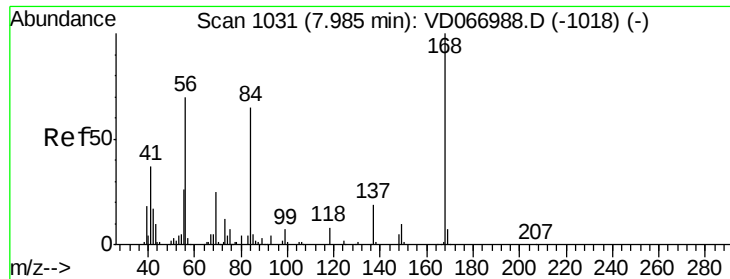
97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

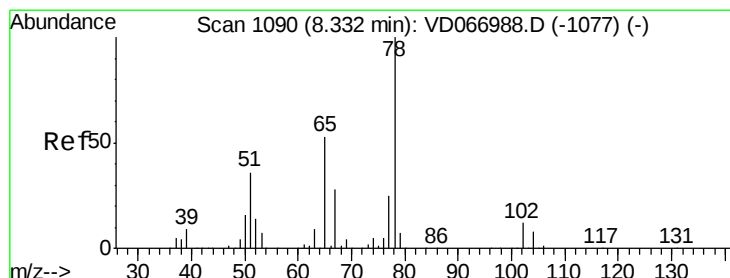
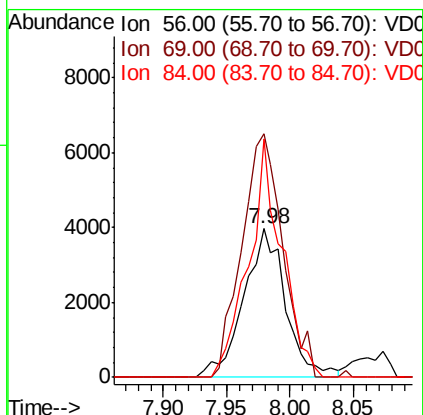
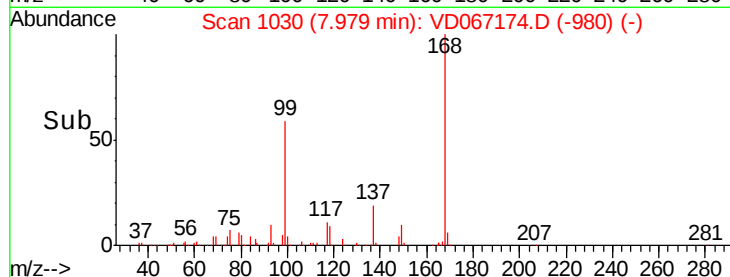
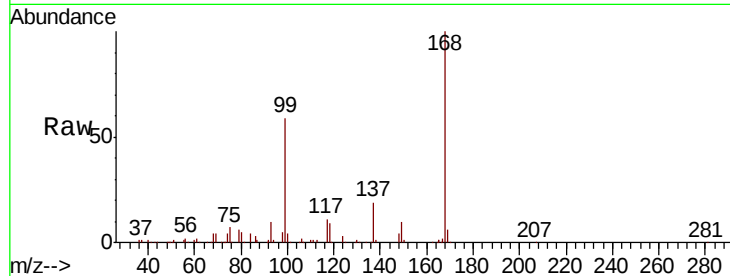




#31
Cyclohexane
Concen: 1.593 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067174.D
Acq: 08 Oct 2020 02:30

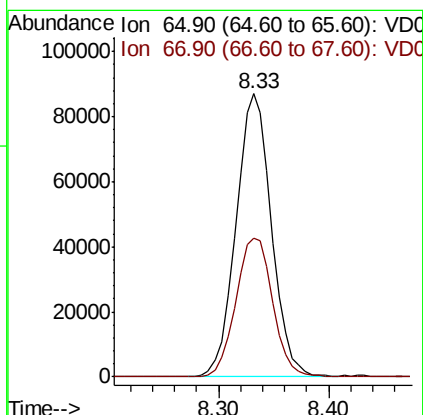
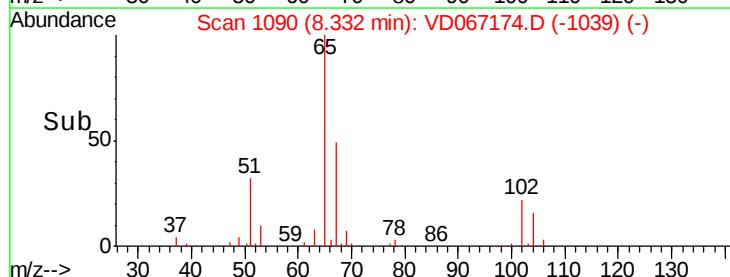
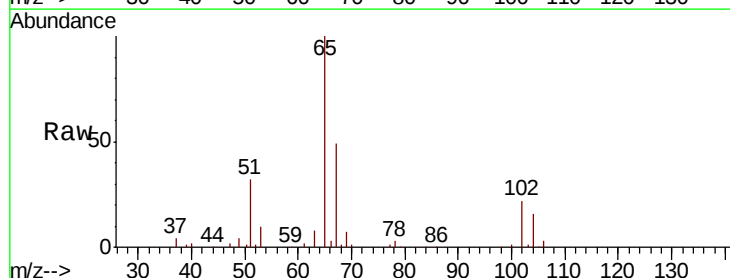
Instrument :
MSVOA_D
ClientSampleId :
PAV-B13-100620-0-1

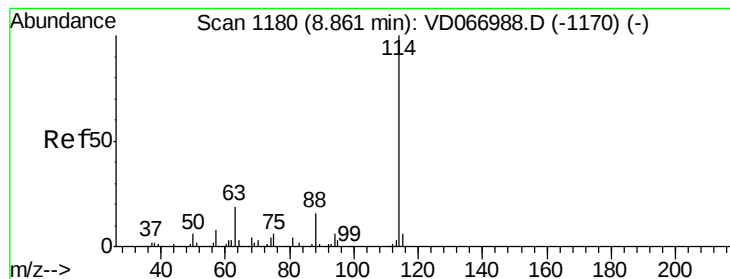
Tot Ion: 56 Resp: 9110
Ion Ratio Lower Upper
56 100
69 163.7 29.0 43.6#
84 160.4 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 51.332 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD067174.D
Acq: 08 Oct 2020 02:30

Tgt Ion: 65 Resp: 195482
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067174.D

Acq: 08 Oct 2020 02:30

Instrument :

MSVOA_D

ClientSampleId :

PAV-B13-100620-0-1

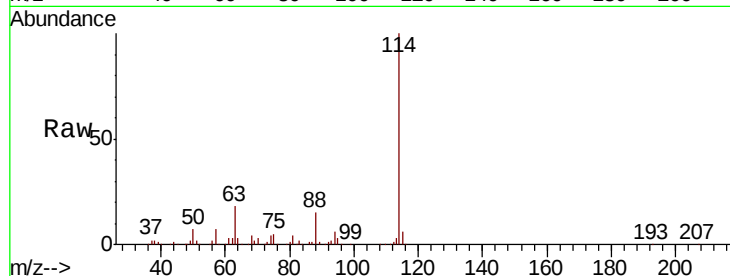
Tot Ion:114 Resp: 651954

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

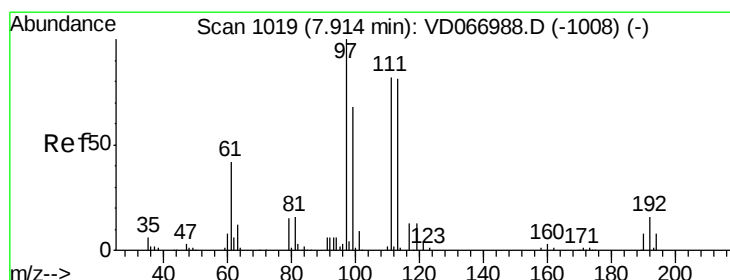
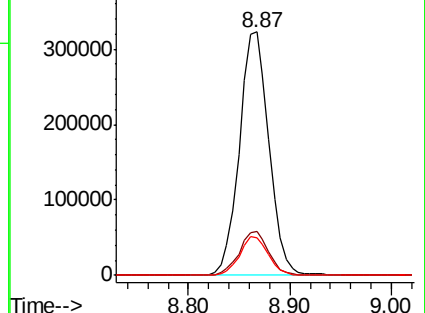
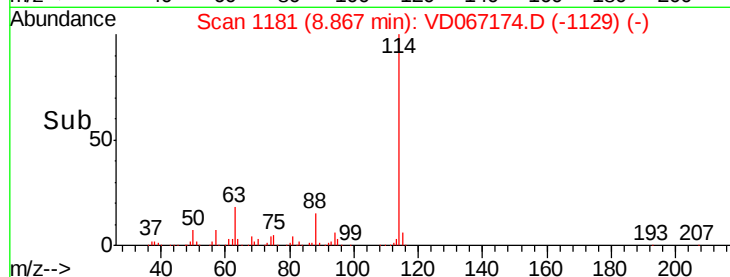
88 15.2 0.0 31.2



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: 48.464 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD067174.D

Acq: 08 Oct 2020 02:30

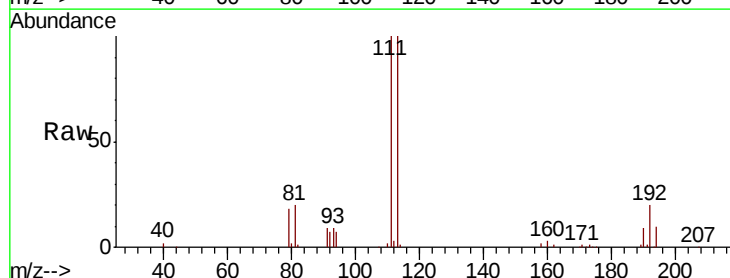
Tgt Ion:113 Resp: 206855

Ion Ratio Lower Upper

113 100

111 101.5 83.0 124.4

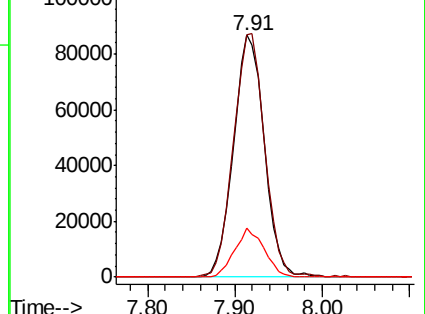
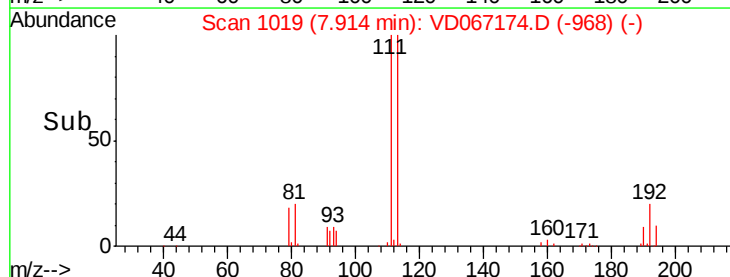
192 19.4 15.5 23.3

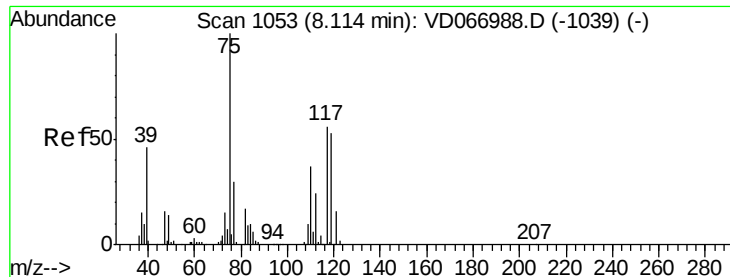


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.678 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067174.D

Acq: 08 Oct 2020 02:30

Instrument :

MSVOA_D

ClientSampleId :

PAV-B13-100620-0-1

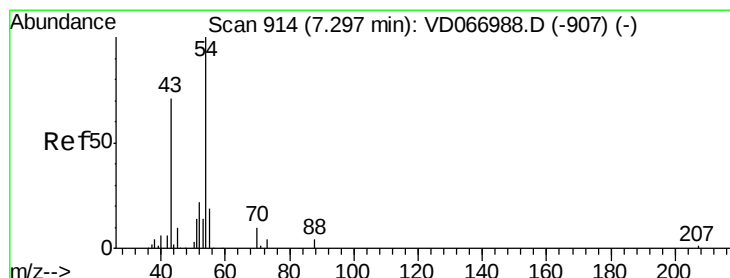
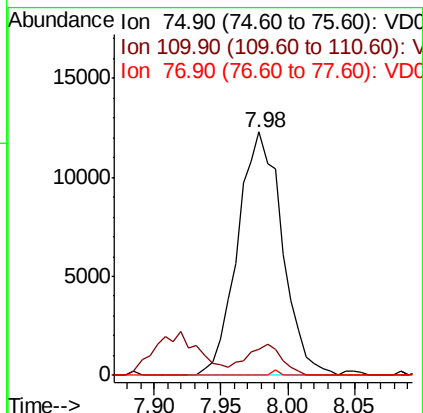
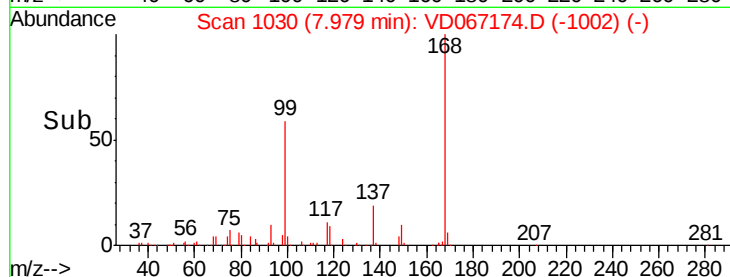
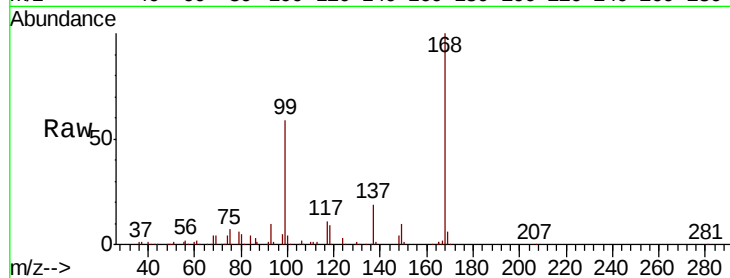
Tot Ion: 75 Resp: 28428

Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.0#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 1.407 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.08 min

Lab File: VD067174.D

Acq: 08 Oct 2020 02:30

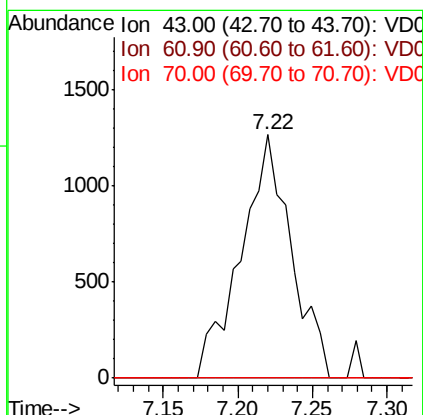
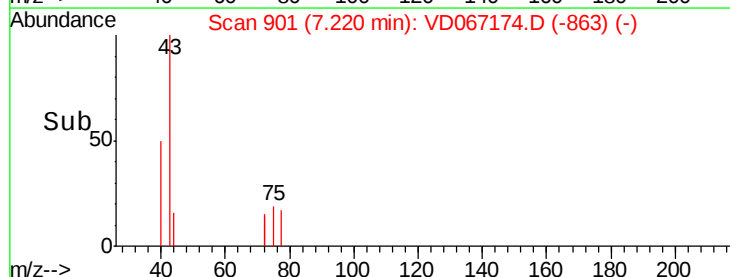
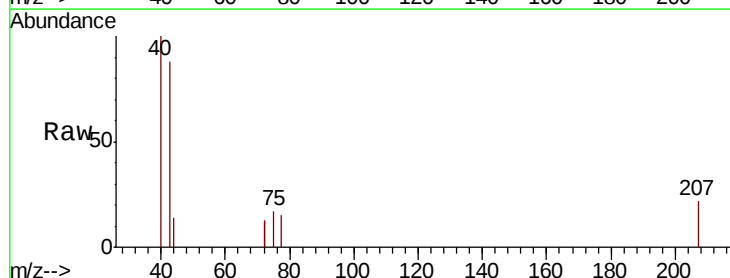
Tgt Ion: 43 Resp: 2962

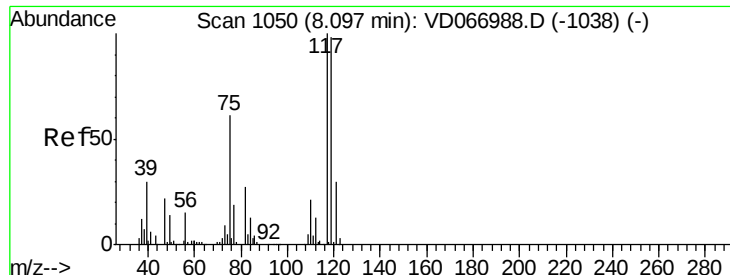
Ion Ratio Lower Upper

43 100

61 0.0 12.5 18.7#

70 0.0 9.4 14.0#





#38

Carbon Tetrachloride

Concen: 6.383 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067174.D

Acq: 08 Oct 2020 02:30

Instrument :

MSVOA_D

ClientSampleId :

PAV-B13-100620-0-1

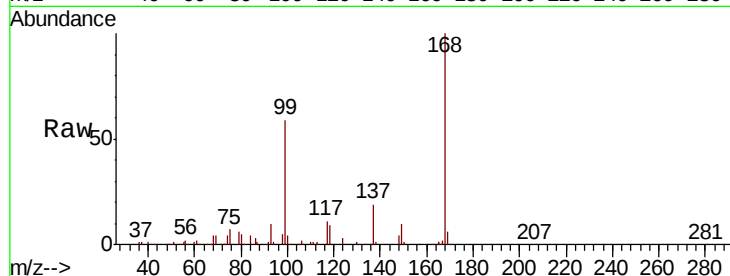
Tot Ion:117 Resp: 41970

Ion Ratio Lower Upper

117 100

119 4.5 78.7 118.1#

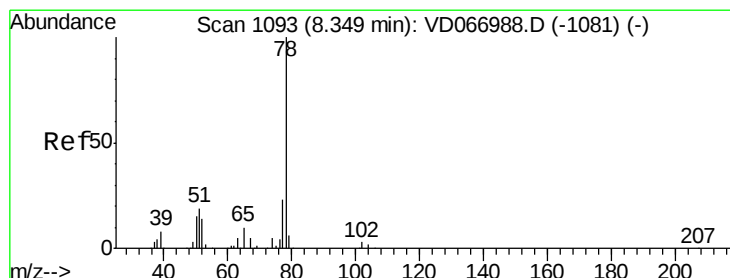
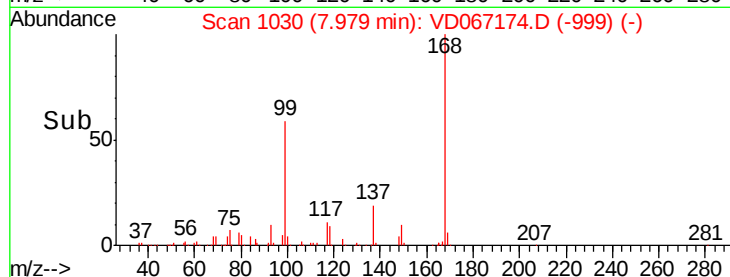
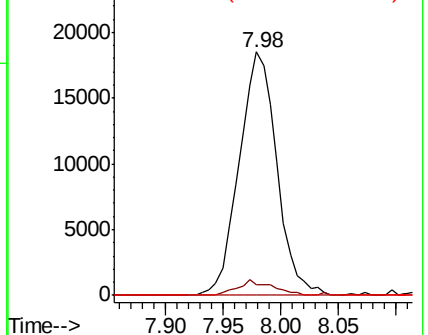
121 0.0 24.2 36.2#



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



#40

Benzene

Concen: 1.075 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD067174.D

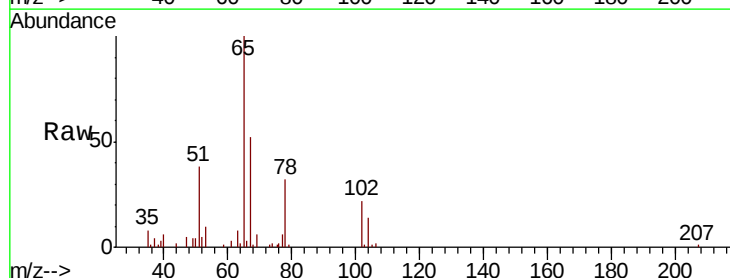
Acq: 08 Oct 2020 02:30

Tgt Ion: 78 Resp: 18152

Ion Ratio Lower Upper

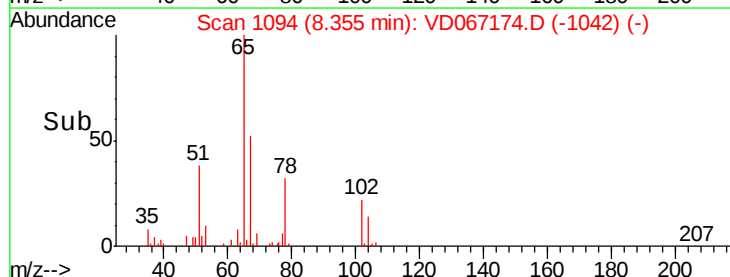
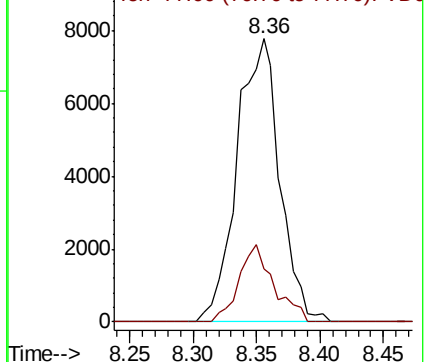
78 100

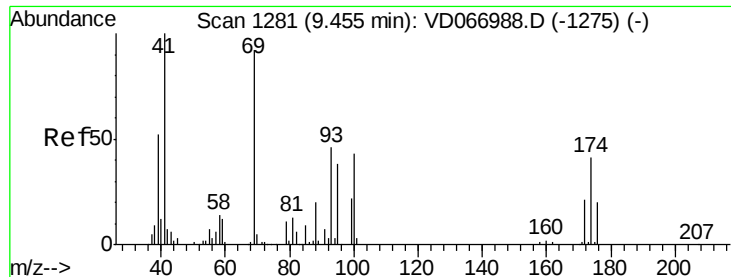
77 18.6 18.4 27.6



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC

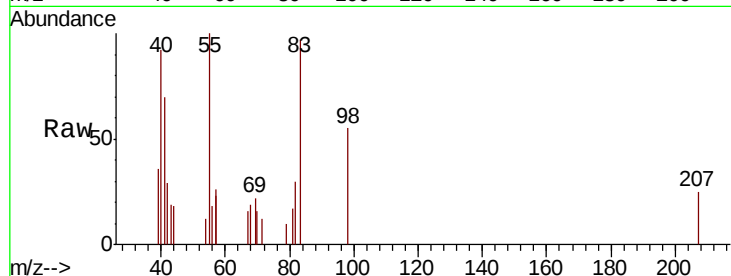




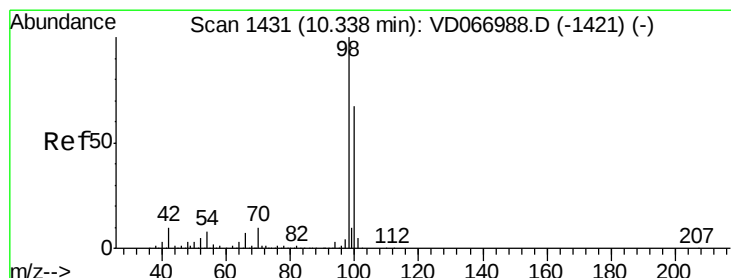
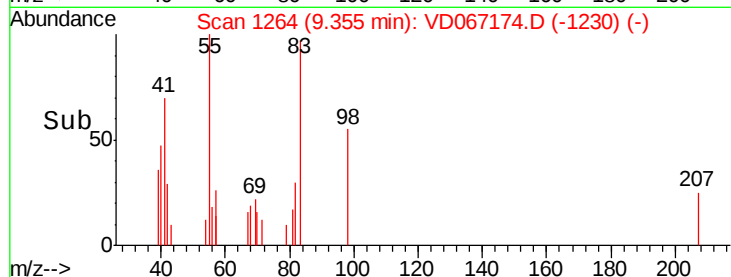
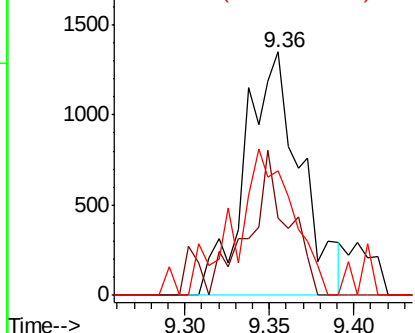
#48
Methyl methacrylate
Concen: 1.556 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.10 min
Lab File: VD067174.D
Acq: 08 Oct 2020 02:30

Instrument :
MSVOA_D
ClientSampleId :
PAV-B13-100620-0-1

Tot Ion: 41 Resp: 3092
Ion Ratio Lower Upper
41 100
69 41.8 68.5 102.7#
39 61.8 40.2 60.2#

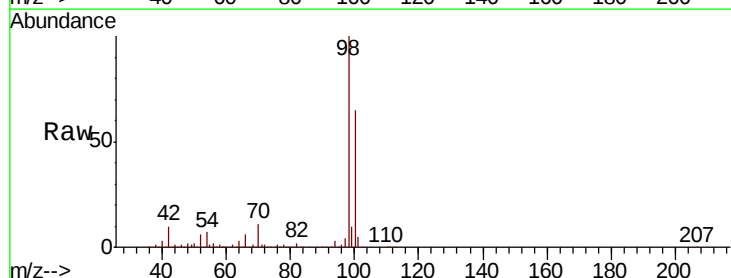


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

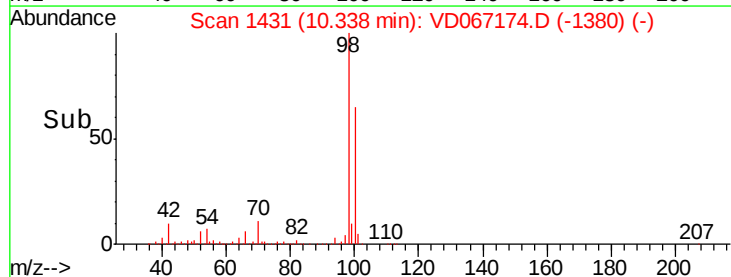
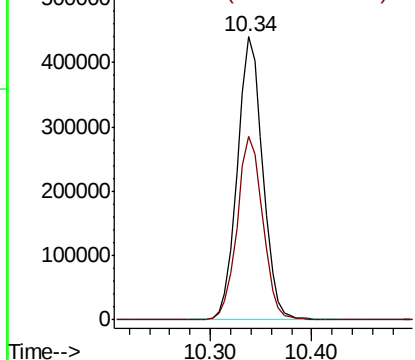


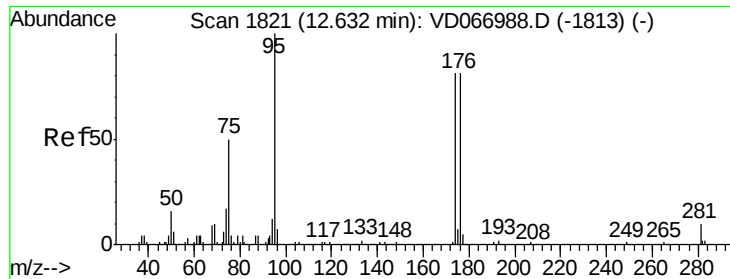
#50
Toluene-d8
Concen: 49.348 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD067174.D
Acq: 08 Oct 2020 02:30

Tgt Ion: 98 Resp: 767504
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



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

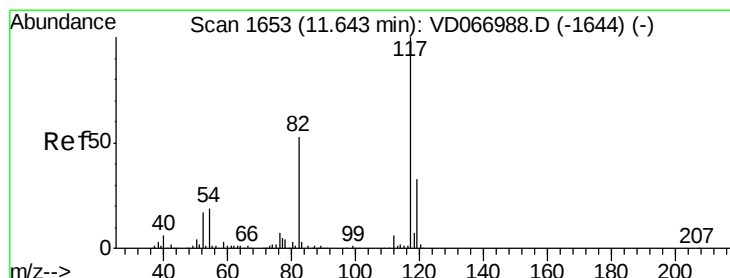
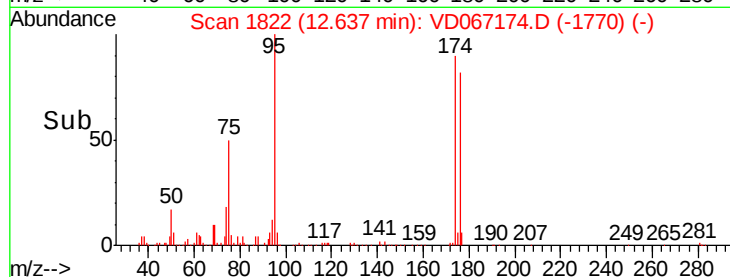
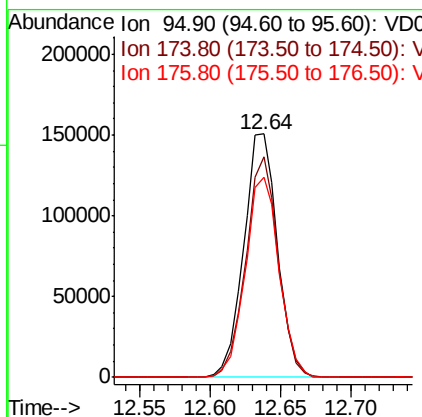
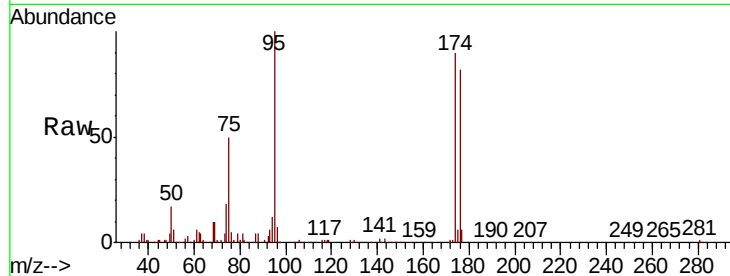




#62
4-Bromofluorobenzene
Concen: 47.748 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067174.D
Acq: 08 Oct 2020 02:30

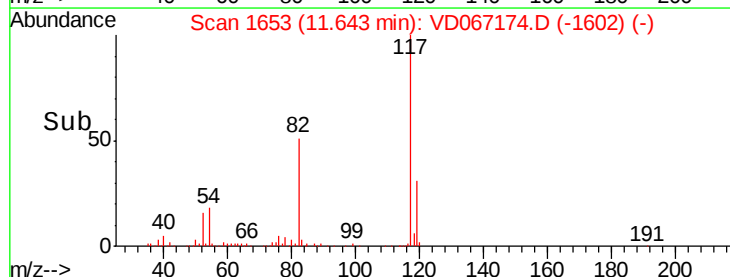
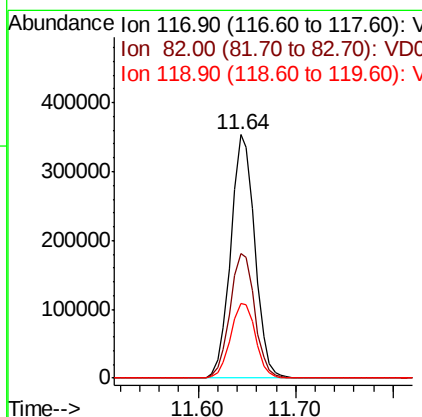
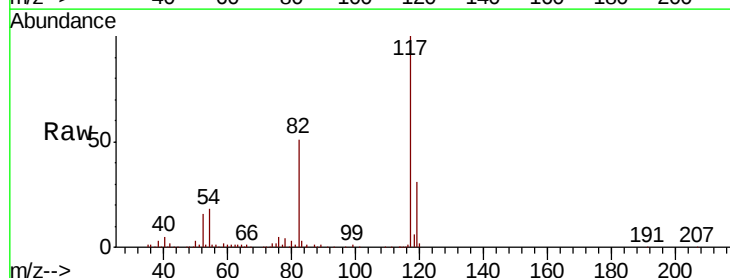
Instrument :
MSVOA_D
ClientSampleId :
PAV-B13-100620-0-1

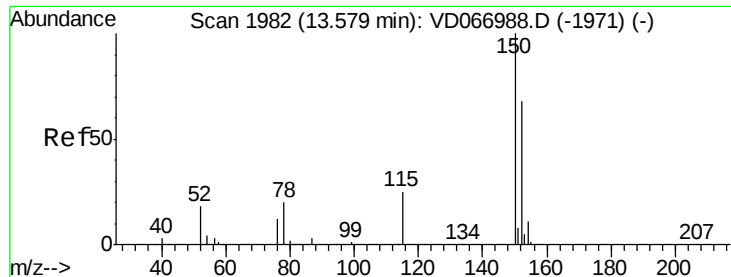
Tot Ion	95	Resp	252100
Ion Ratio	Lower	Upper	
95	100		
174	86.9	0.0	167.6
176	82.5	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067174.D
Acq: 08 Oct 2020 02:30

Tgt Ion	117	Resp	603701
Ion Ratio	Lower	Upper	
117	100		
82	51.4	42.6	63.8
119	30.7	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD067174.D

Acq: 08 Oct 2020 02:30

Instrument :

MSVOA_D

ClientSampleId :

PAV-B13-100620-0-1

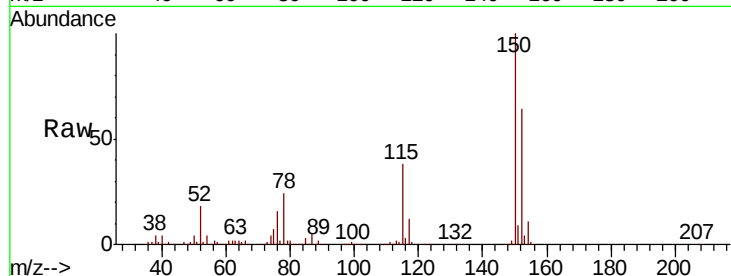
Tot Ion:152 Resp: 276132

Ion Ratio Lower Upper

152 100

115 57.1 29.6 88.8

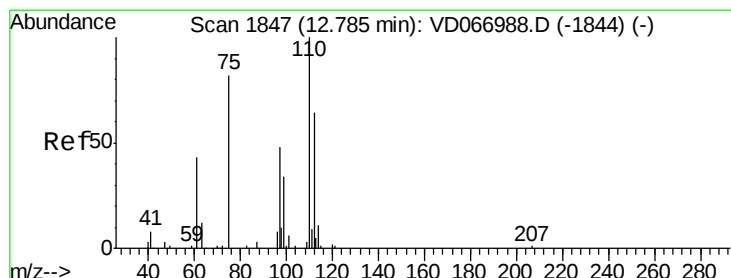
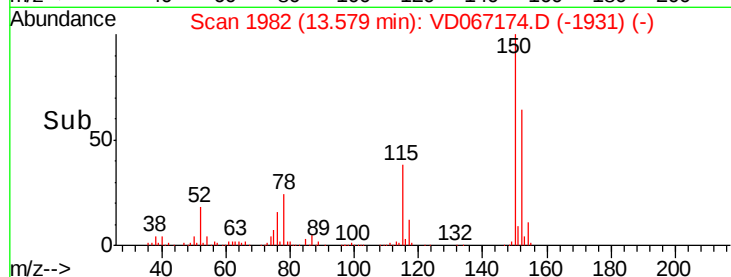
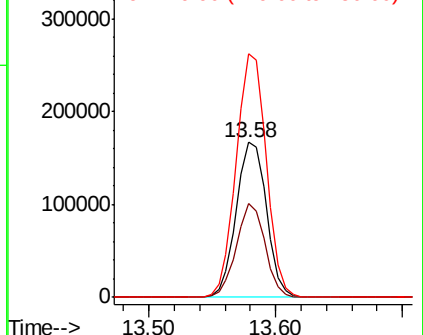
150 156.7 0.0 344.8



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: 51.984 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067174.D

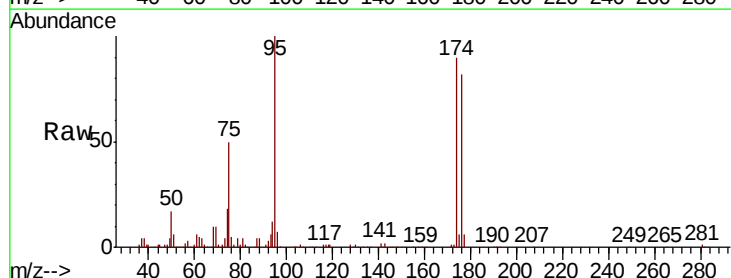
Acq: 08 Oct 2020 02:30

Tgt Ion: 75 Resp: 125032

Ion Ratio Lower Upper

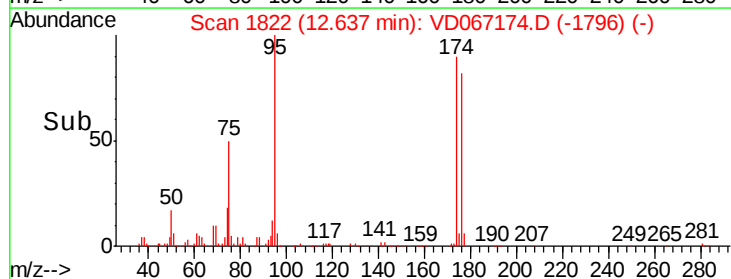
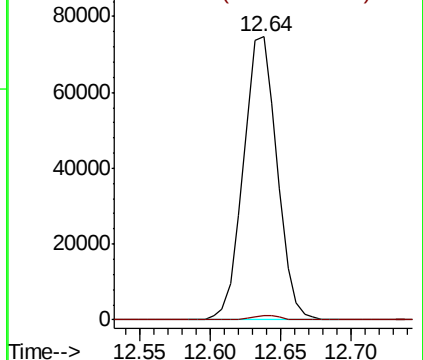
75 100

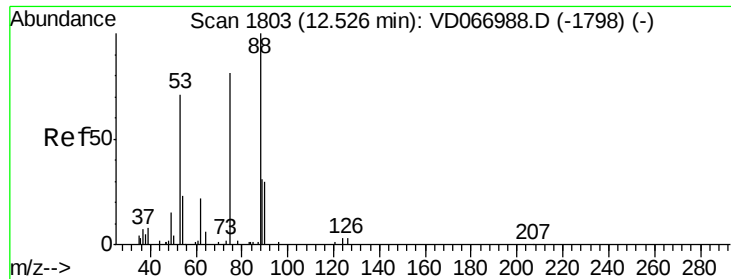
77 1.4 0.0 0.0#



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: 129.603 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067174.D

Acq: 08 Oct 2020 02:30

Instrument :

MSVOA_D

ClientSampleId :

PAV-B13-100620-0-1

Tot Ion: 75 Resp: 125032

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.0 38.9 58.3#

