

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066591.D
 Acq On : 09 Sep 2020 18:54
 Operator : VA/SY
 Sample : L3919-10
 Misc : 6.92G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-13

Quant Time: Sep 10 01:41:36 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	324744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	634166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	594642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256289	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	237718	60.50	ug/l	0.00
Spiked Amount			Recovery	=	121.00%	
35) Dibromofluoromethane	7.91	113	222640	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
50) Toluene-d8	10.34	98	784172	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.63	95	260656	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	

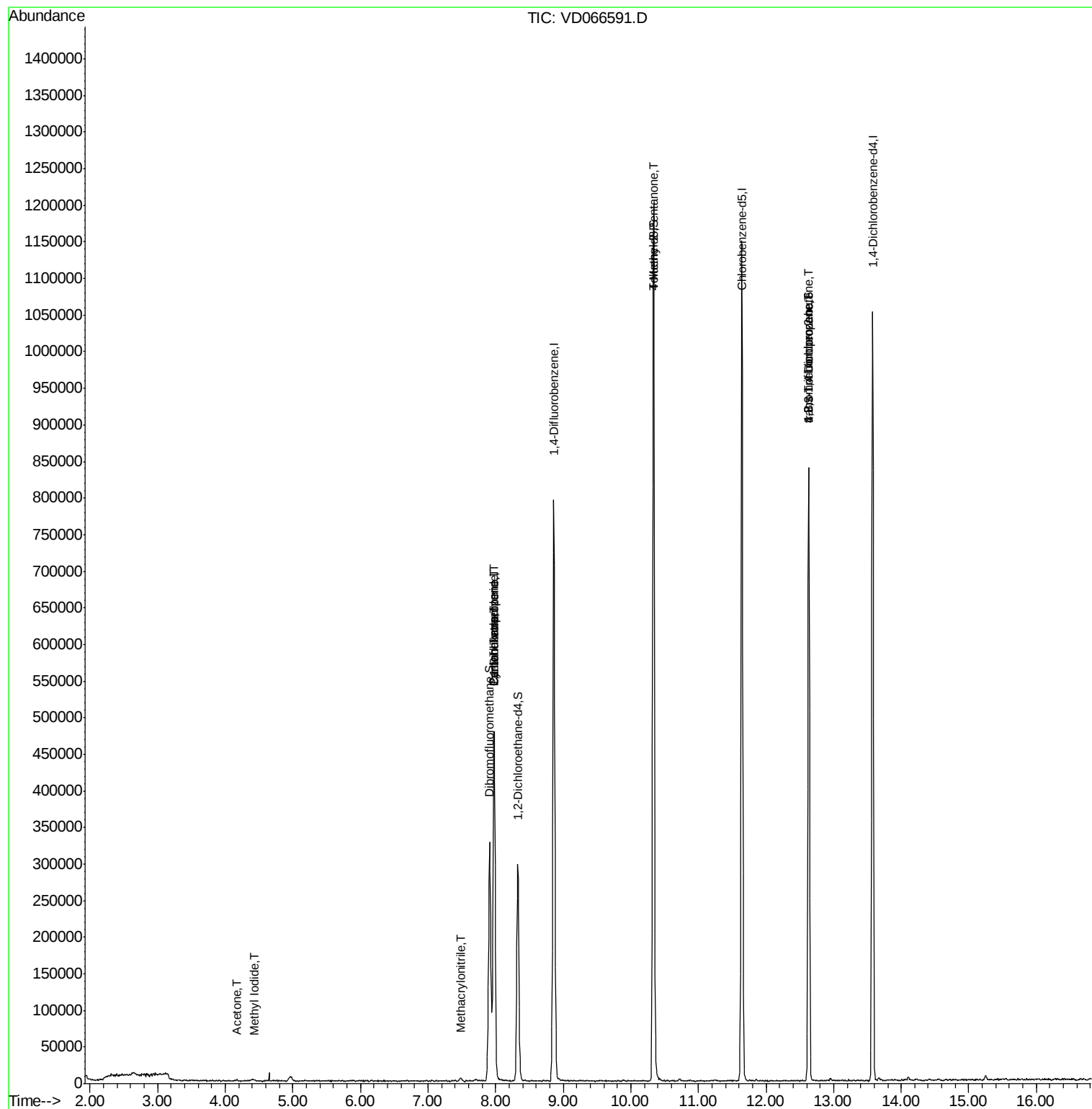
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	537	Below Cal	#	60
10) Methyl Iodide	4.43	142	54	4.038	ug/l #	35
16) Acetone	4.17	43	1087	1.504	ug/l #	46
20) Methylene Chloride	4.97	84	5305	Below Cal	#	62
31) Cyclohexane	7.98	56	10343	1.614	ug/l #	14
36) 1,1-Dichloropropene	7.97	75	31905	4.834	ug/l #	51
38) Carbon Tetrachloride	7.97	117	37839	5.424	ug/l #	19
41) Methacrylonitrile	7.48	41	2762	2.171	ug/l #	29
51) 4-Methyl-2-Pentanone	10.34	43	4005	1.577	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	147752	59.944	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	147752	139.949	ug/l #	7

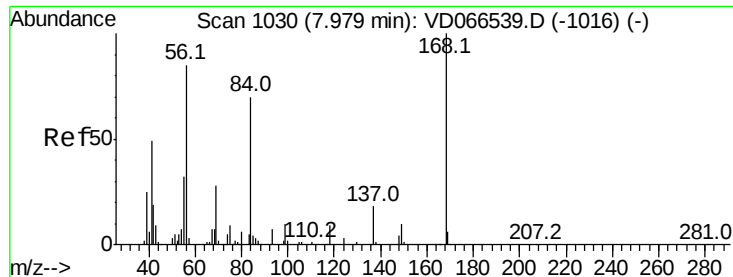
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090920\
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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: VD066591.D

Acq: 09 Sep 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

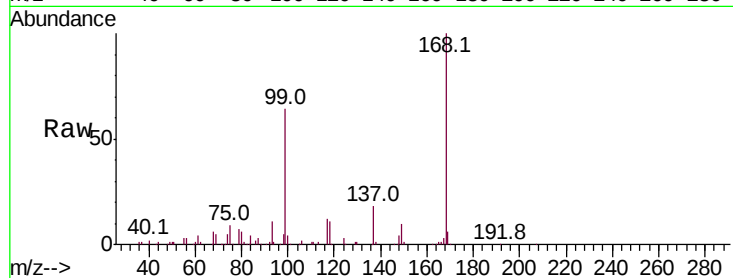
TP-13

Tot Ion:168 Resp: 324744

Ion Ratio Lower Upper

168 100

99 63.7 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

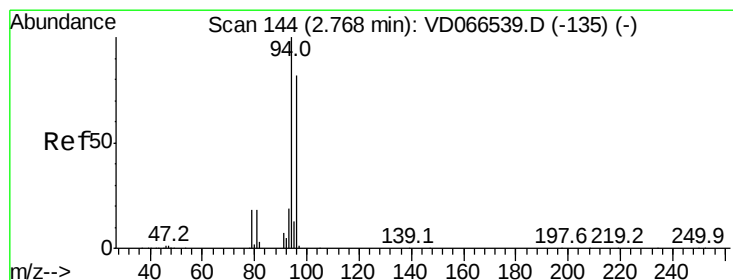
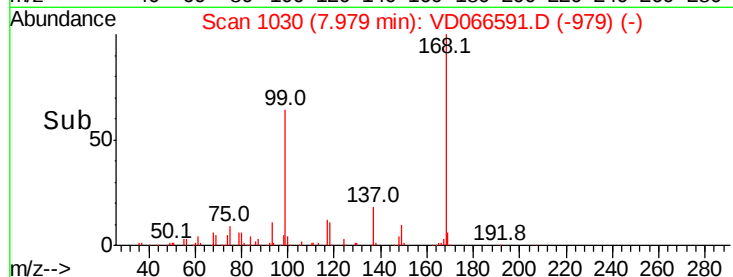
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066591.D

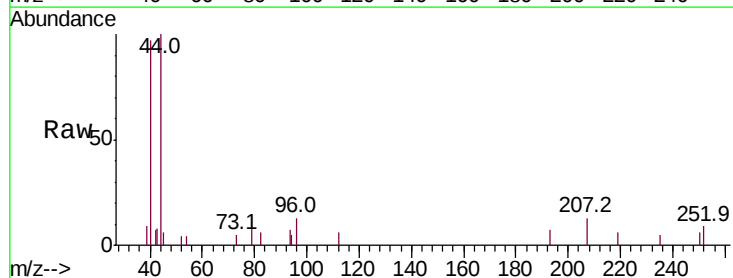
Acq: 09 Sep 2020 18:54

Tgt Ion: 94 Resp: 537

Ion Ratio Lower Upper

94 100

96 117.6 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

600

500

400

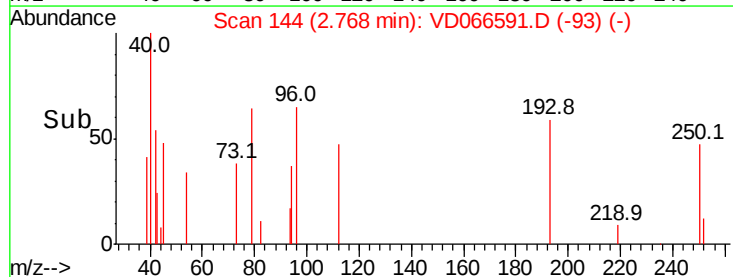
300

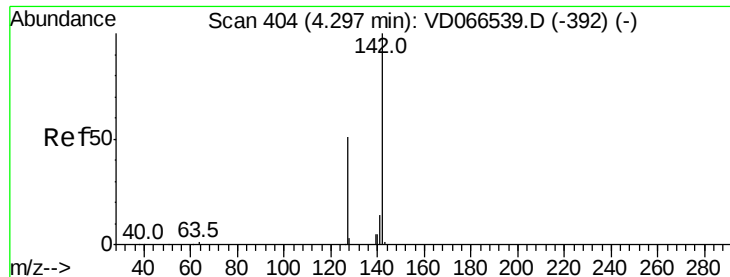
200

100

0

Time-->

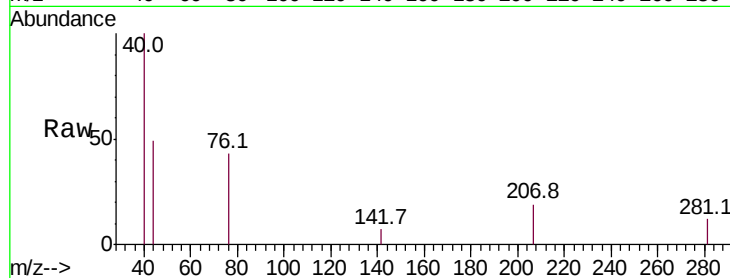




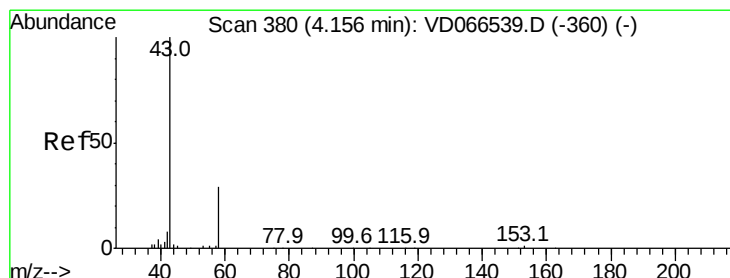
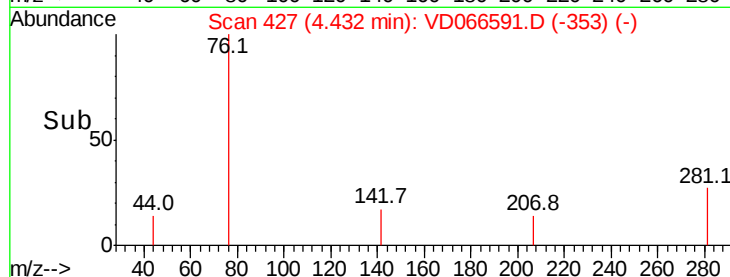
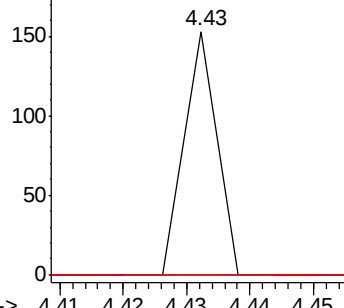
#10
Methyl Iodide
Concen: 4.038 ug/l
RT: 4.43 min Scan# 427
Delta R.T. 0.14 min
Lab File: VD066591.D
Acq: 09 Sep 2020 18:54

Instrument :
MSVOA_D
ClientSampled :
TP-13

Tot Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 40.6 61.0#
141 0.0 12.2 18.4#

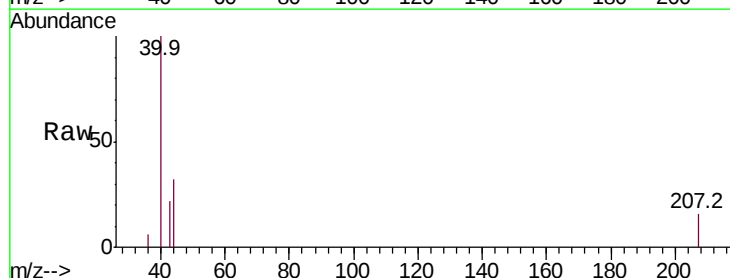


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

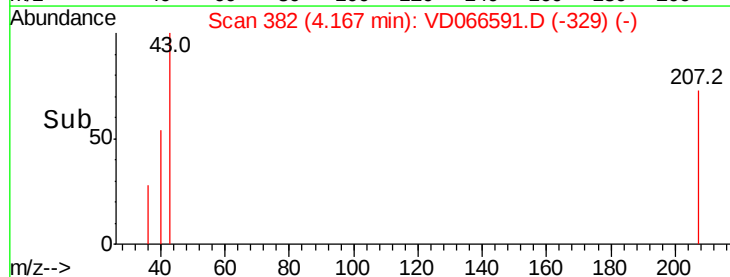
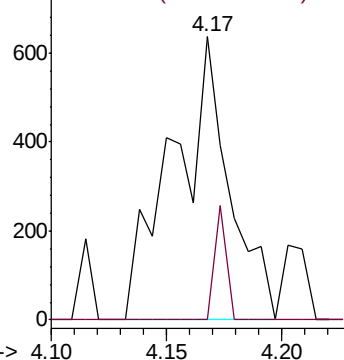


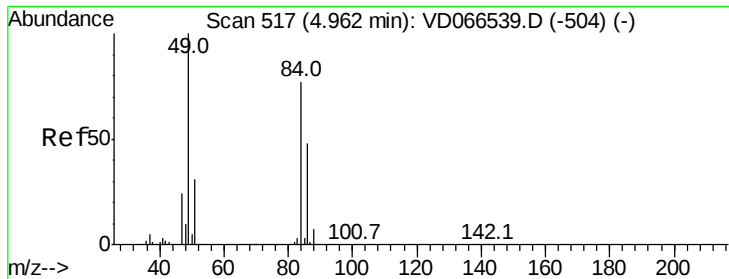
#16
Acetone
Concen: 1.504 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.01 min
Lab File: VD066591.D
Acq: 09 Sep 2020 18:54

Tgt Ion: 43 Resp: 1087
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



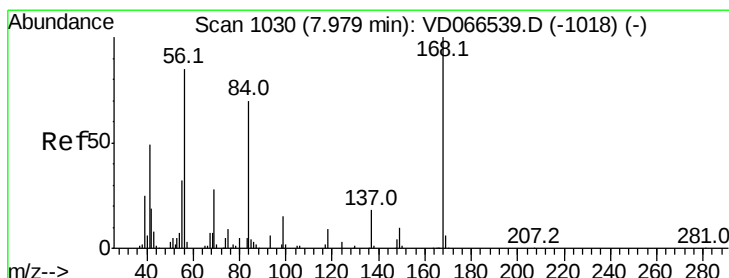
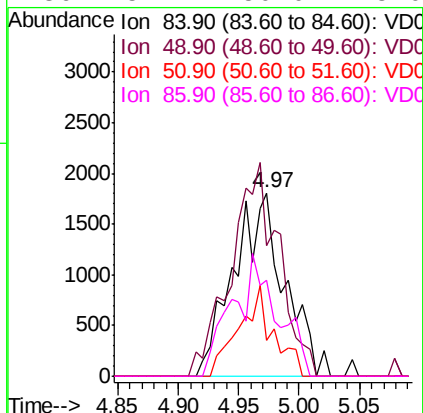
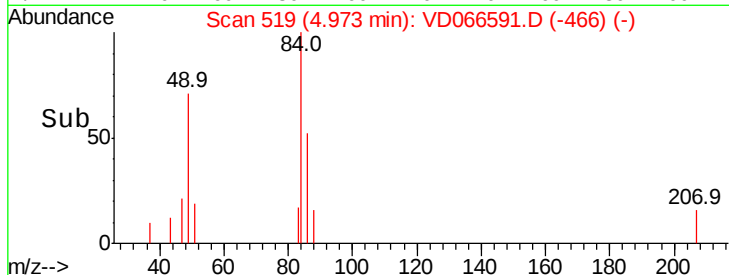
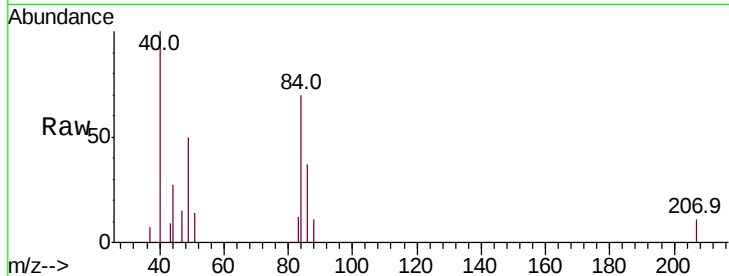


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.97 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VD066591.D
 Acq: 09 Sep 2020 18:54

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-13

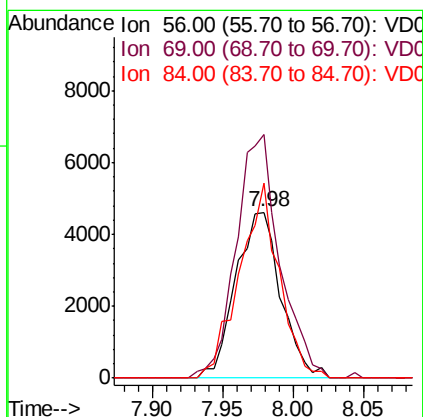
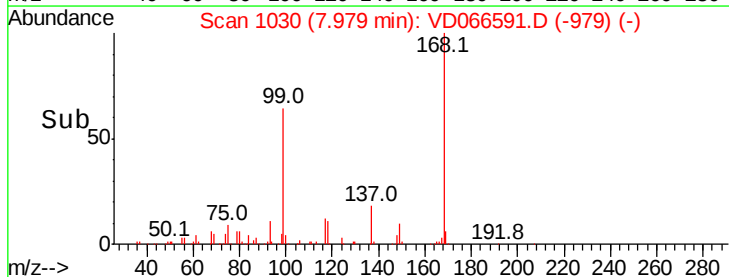
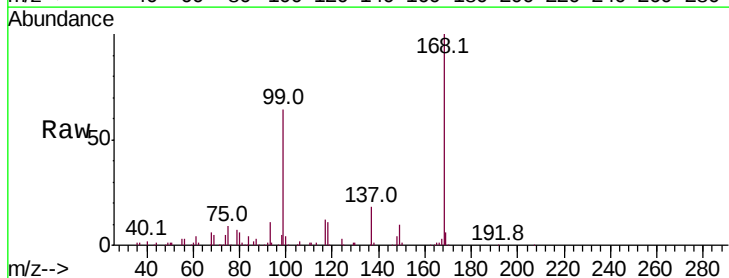
Tot Ion: 84 Resp: 5305
 Ion Ratio Lower Upper
 84 100
 49 71.3 104.3 156.5#
 51 19.2 32.2 48.4#
 86 52.4 50.0 75.0

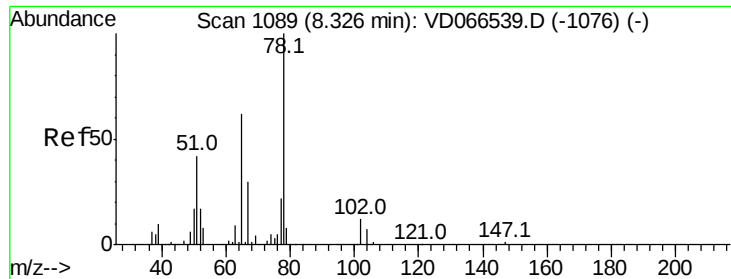


#31

Cyclohexane
 Concen: 1.614 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VD066591.D
 Acq: 09 Sep 2020 18:54

Tgt Ion: 56 Resp: 10343
 Ion Ratio Lower Upper
 56 100
 69 147.0 26.3 39.5#
 84 117.9 66.1 99.1#





#33

1,2-Dichloroethane-d4

Concen: 60.502 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066591.D

Acq: 09 Sep 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

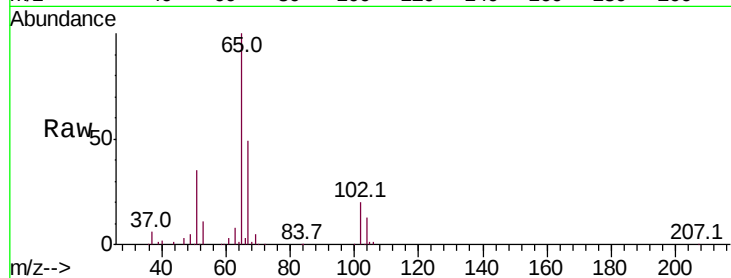
TP-13

Tot Ion: 65 Resp: 237718

Ion Ratio Lower Upper

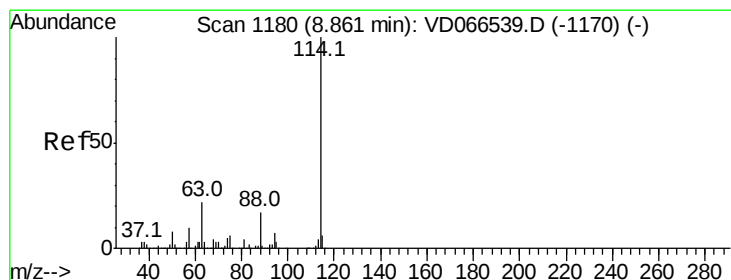
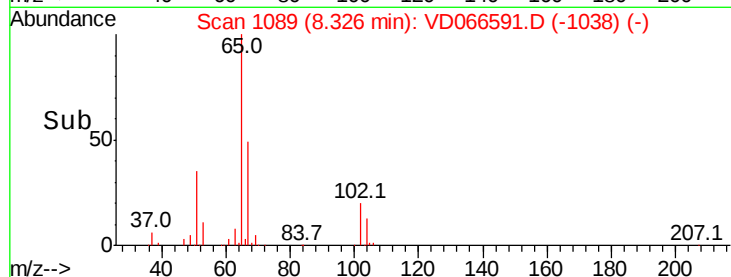
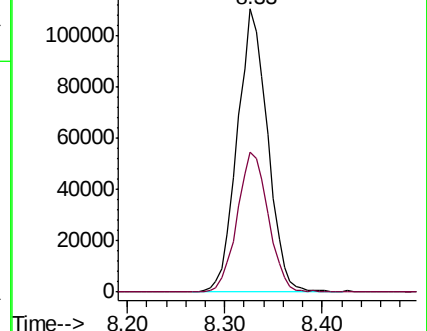
65 100

67 50.5 0.0 102.8



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: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066591.D

Acq: 09 Sep 2020 18:54

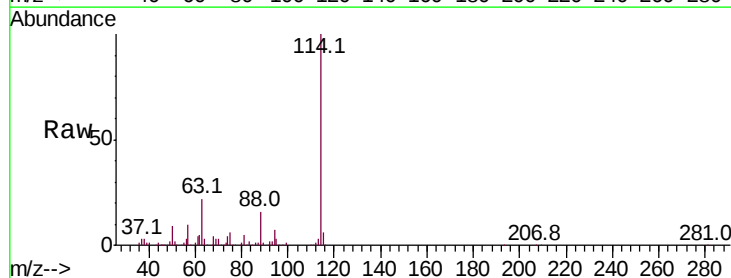
Tgt Ion: 114 Resp: 634166

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.2

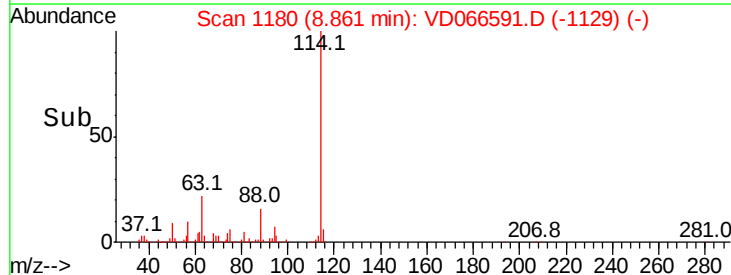
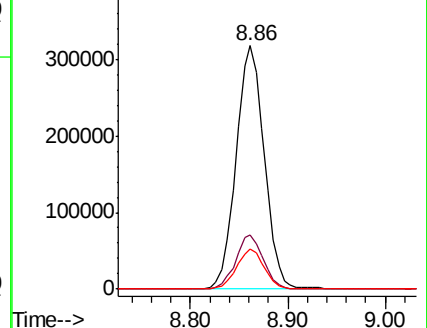
88 16.4 0.0 33.2

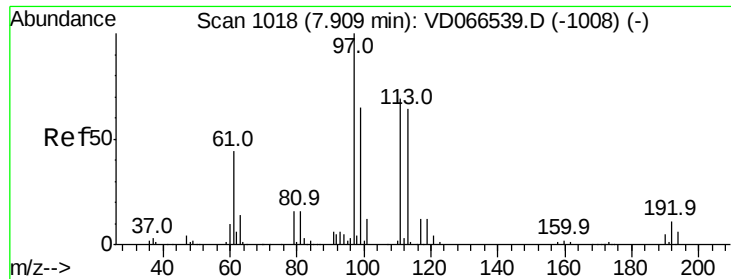


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

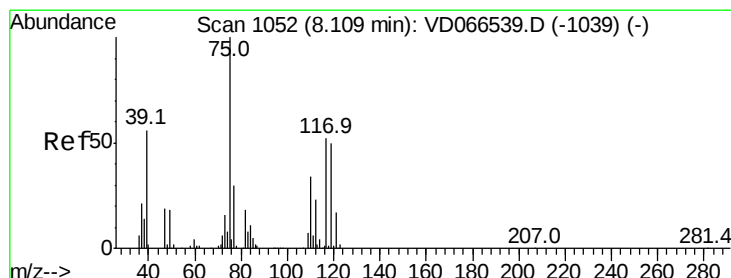
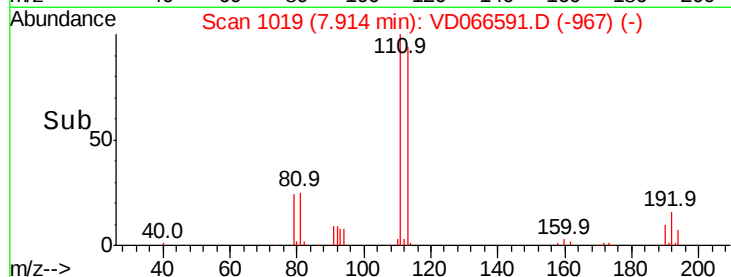
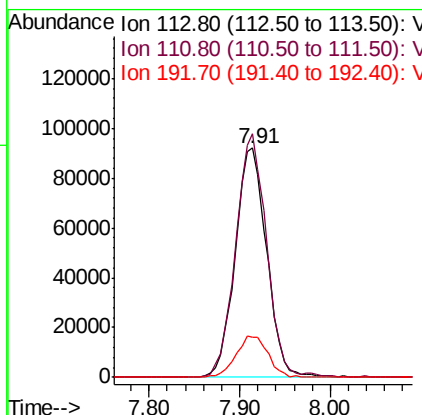
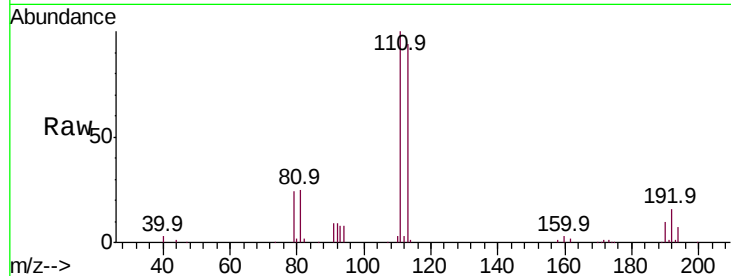




#35
 Dibromofluoromethane
 Concen: 52.041 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066591.D
 Acq: 09 Sep 2020 18:54

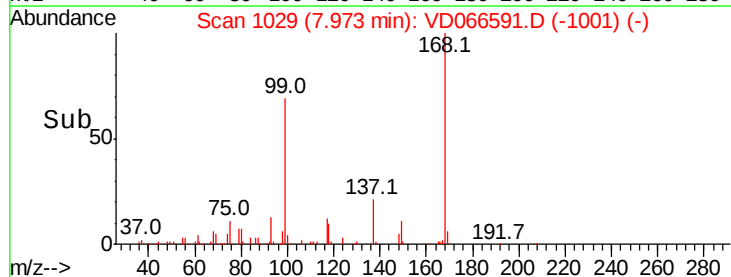
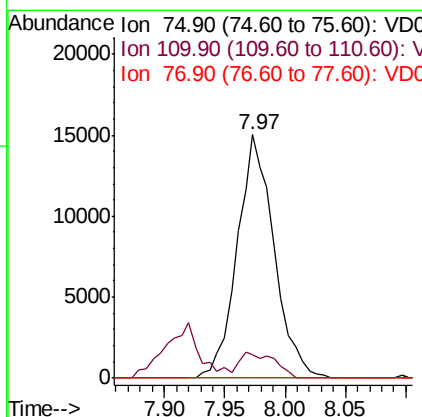
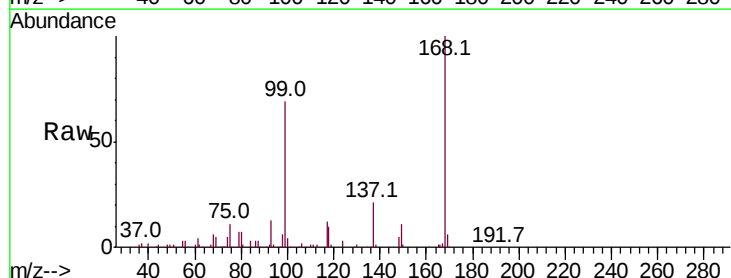
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-13

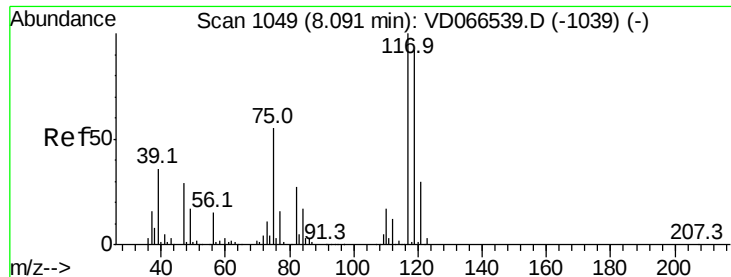
Tot Ion:113 Resp: 222640
 Ion Ratio Lower Upper
 113 100
 111 104.4 83.2 124.8
 192 18.2 13.7 20.5



#36
 1,1-Dichloropropene
 Concen: 4.834 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066591.D
 Acq: 09 Sep 2020 18:54

Tgt Ion: 75 Resp: 31905
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.3 52.0#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.424 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066591.D

Acq: 09 Sep 2020 18:54

Instrument :

MSVOA_D

ClientSampled :

TP-13

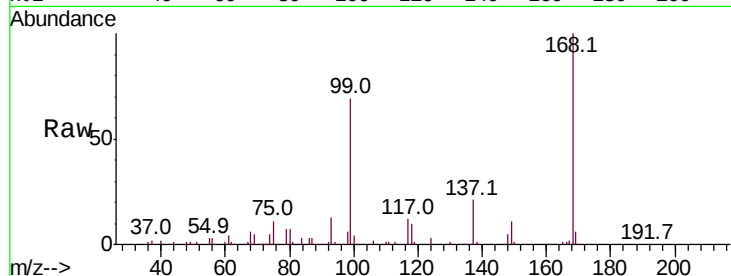
Tot Ion:117 Resp: 37839

Ion Ratio Lower Upper

117 100

119 6.5 73.9 110.9#

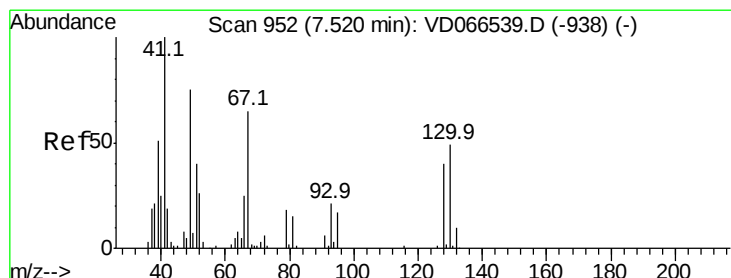
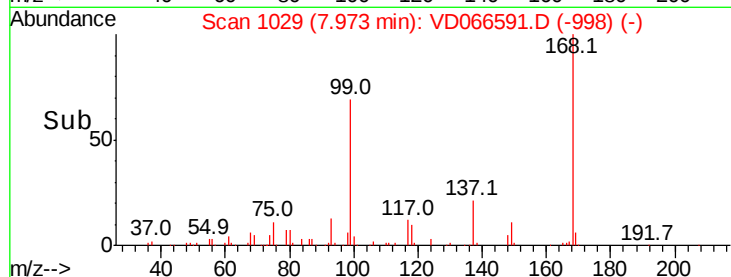
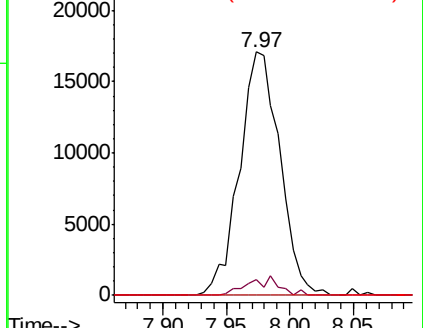
121 0.0 24.1 36.1#



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



#41

Methacrylonitrile

Concen: 2.171 ug/l

RT: 7.48 min Scan# 946

Delta R.T. -0.04 min

Lab File: VD066591.D

Acq: 09 Sep 2020 18:54

Tgt Ion: 41 Resp: 2762

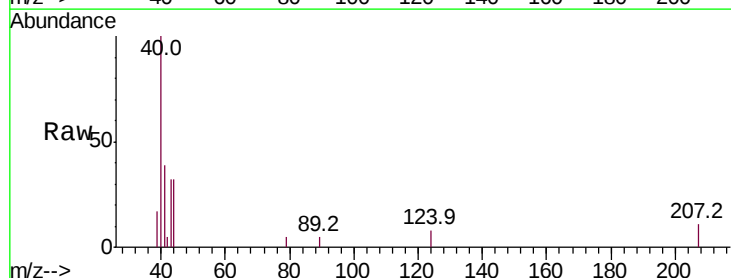
Ion Ratio Lower Upper

41 100

39 20.2 53.6 80.4#

67 0.0 59.2 88.8#

52 0.0 26.8 40.2#

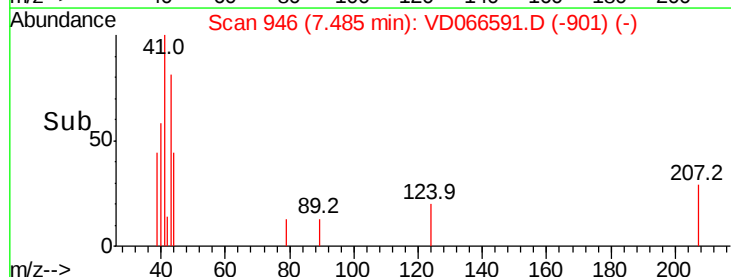
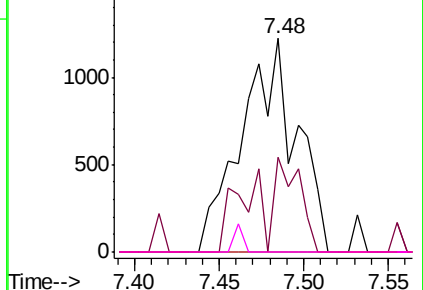


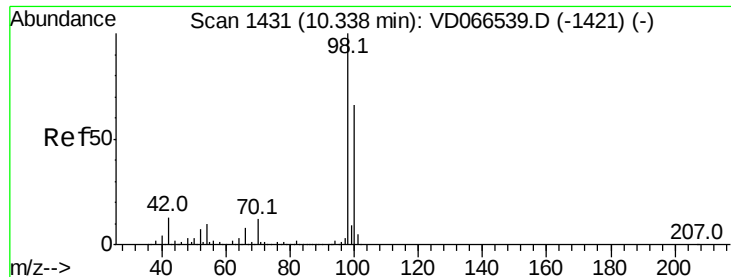
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

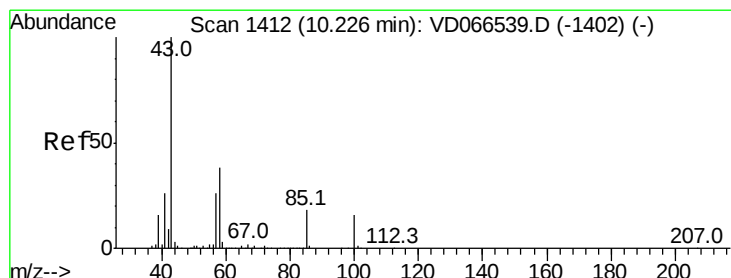
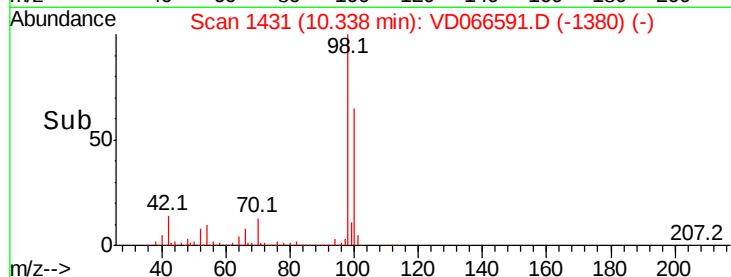
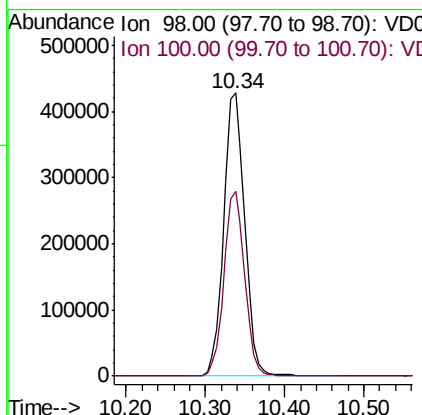
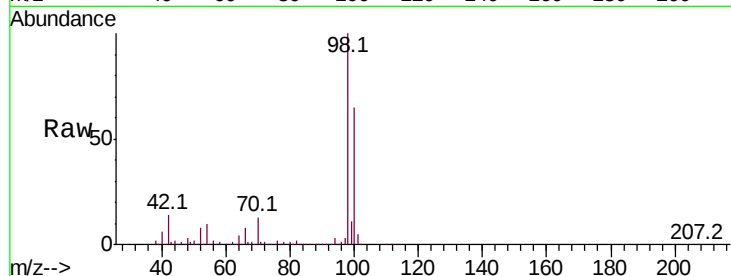




#50
Toluene-d8
Concen: 51.284 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066591.D
Acq: 09 Sep 2020 18:54

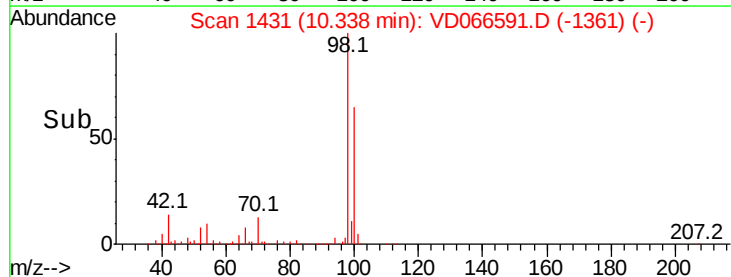
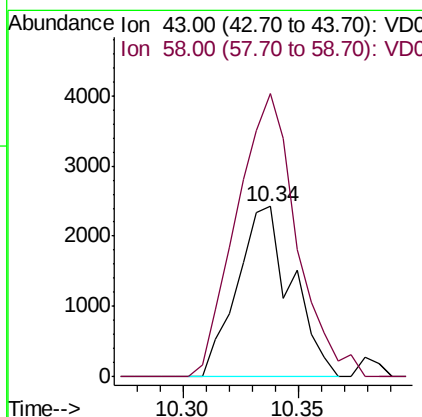
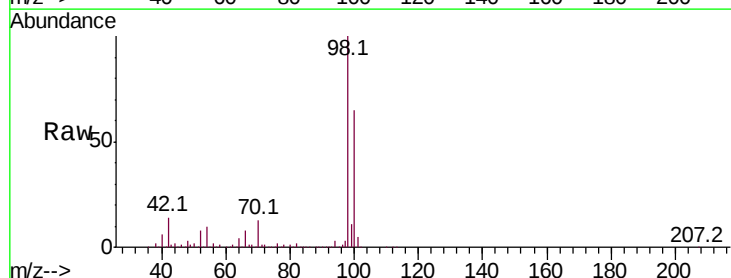
Instrument :
MSVOA_D
ClientSampleId :
TP-13

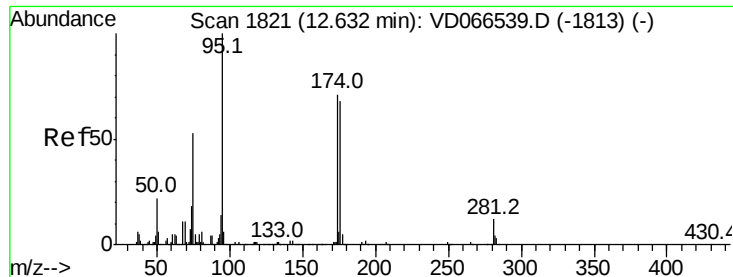
Tot Ion: 98 Resp: 784172
Ion Ratio Lower Upper
98 100
100 64.3 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.577 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD066591.D
Acq: 09 Sep 2020 18:54

Tgt Ion: 43 Resp: 4005
Ion Ratio Lower Upper
43 100
58 182.4 30.5 45.7#





#62

4-Bromofluorobenzene

Concen: 51.409 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066591.D

Acq: 09 Sep 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

TP-13

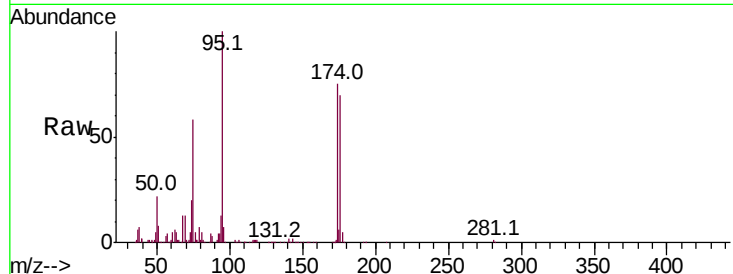
Tot Ion: 95 Resp: 260656

Ion Ratio Lower Upper

95 100

174 75.7 0.0 155.8

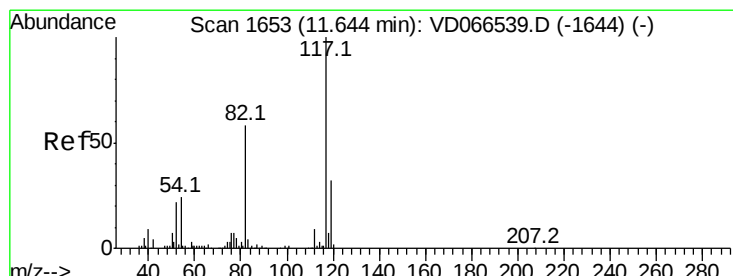
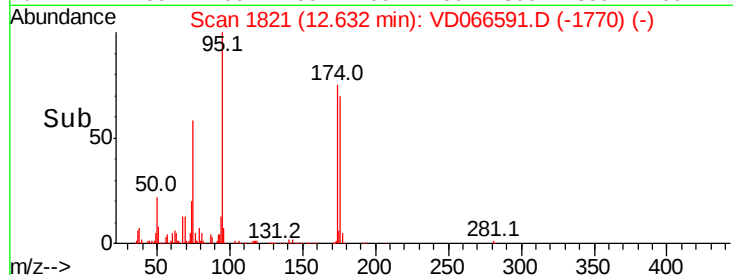
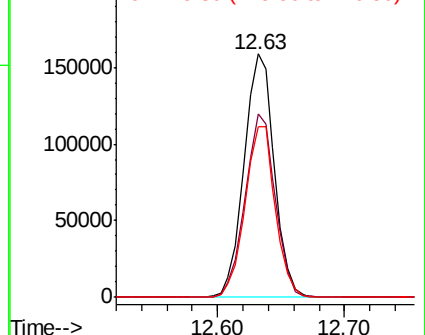
176 71.2 0.0 148.6



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: VD066591.D

Acq: 09 Sep 2020 18:54

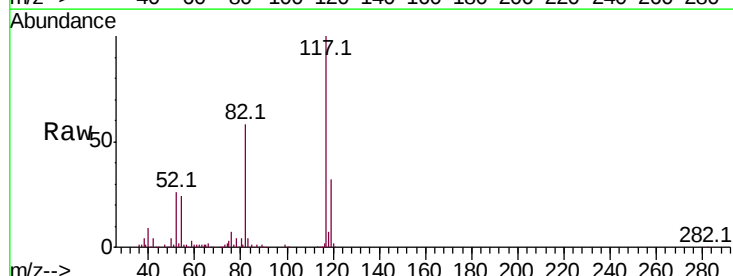
Tgt Ion: 117 Resp: 594642

Ion Ratio Lower Upper

117 100

82 57.6 46.2 69.2

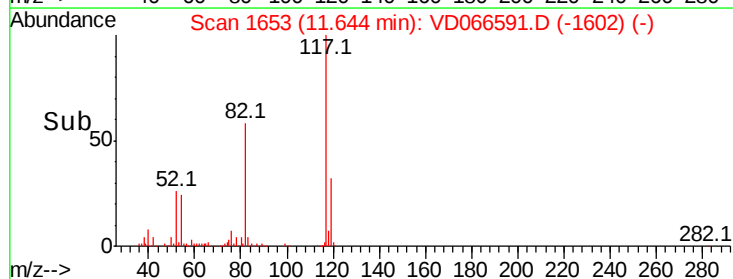
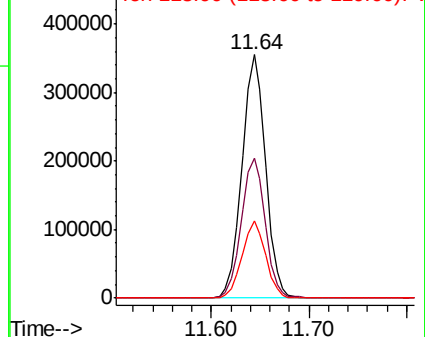
119 31.5 25.8 38.8

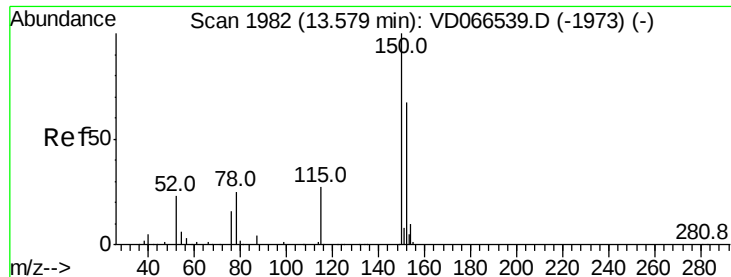


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066591.D

Acq: 09 Sep 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

TP-13

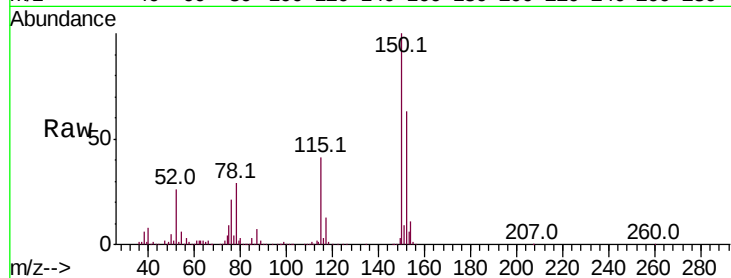
Tot Ion:152 Resp: 256289

Ion Ratio Lower Upper

152 100

115 63.0 30.4 91.2

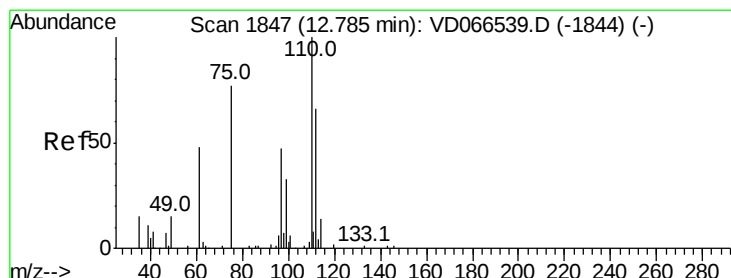
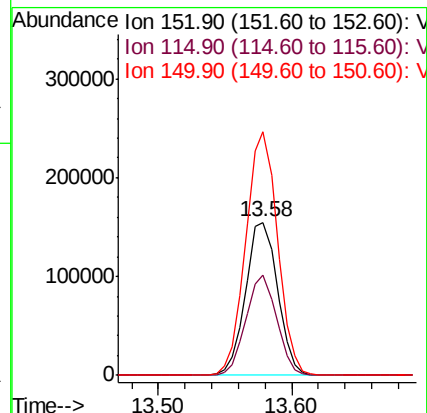
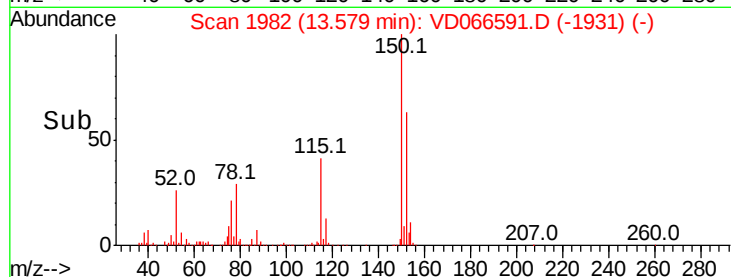
150 157.5 0.0 345.8



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: 59.944 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066591.D

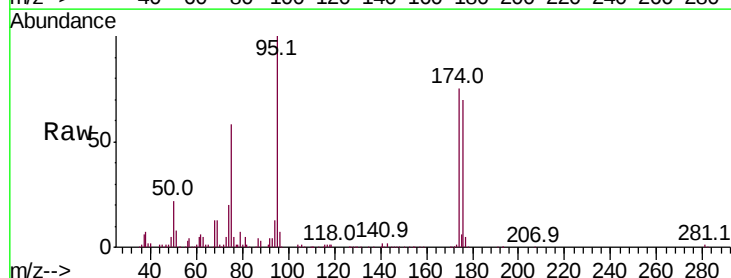
Acq: 09 Sep 2020 18:54

Tgt Ion: 75 Resp: 147752

Ion Ratio Lower Upper

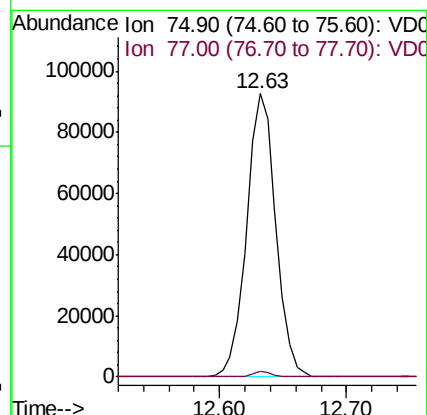
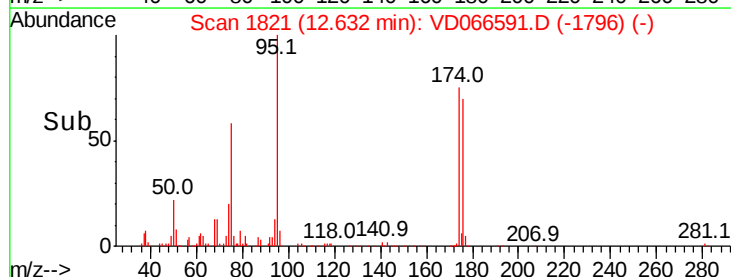
75 100

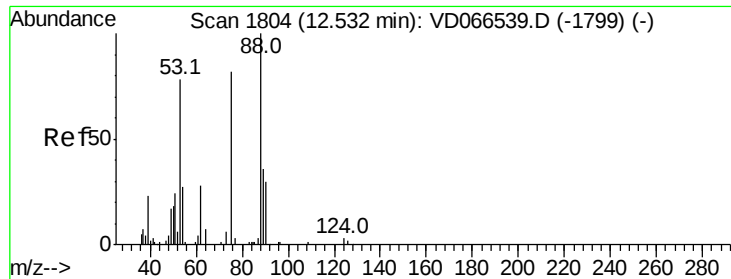
77 1.4 0.0 0.0#



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: 139.949 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066591.D

Acq: 09 Sep 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

TP-13

Tot Ion: 75 Resp: 147752

Ion Ratio Lower Upper

75 100

53 0.1 87.0 130.4#

89 0.0 37.1 55.7#

