

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
 Data File : VD066260.D
 Acq On : 17 Aug 2020 16:18
 Operator : VA/SY
 Sample : L3677-04RE
 Misc : 8.59G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Aug 18 07:53:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	357771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	573507	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	693006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	373150	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	137043	42.94	ug/l	0.00
Spiked Amount			Recovery	=	85.88%	
35) Dibromofluoromethane	7.91	113	171386	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
50) Toluene-d8	10.34	98	702324	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.63	95	344469	71.28	ug/l	0.00
Spiked Amount			Recovery	=	142.56%	

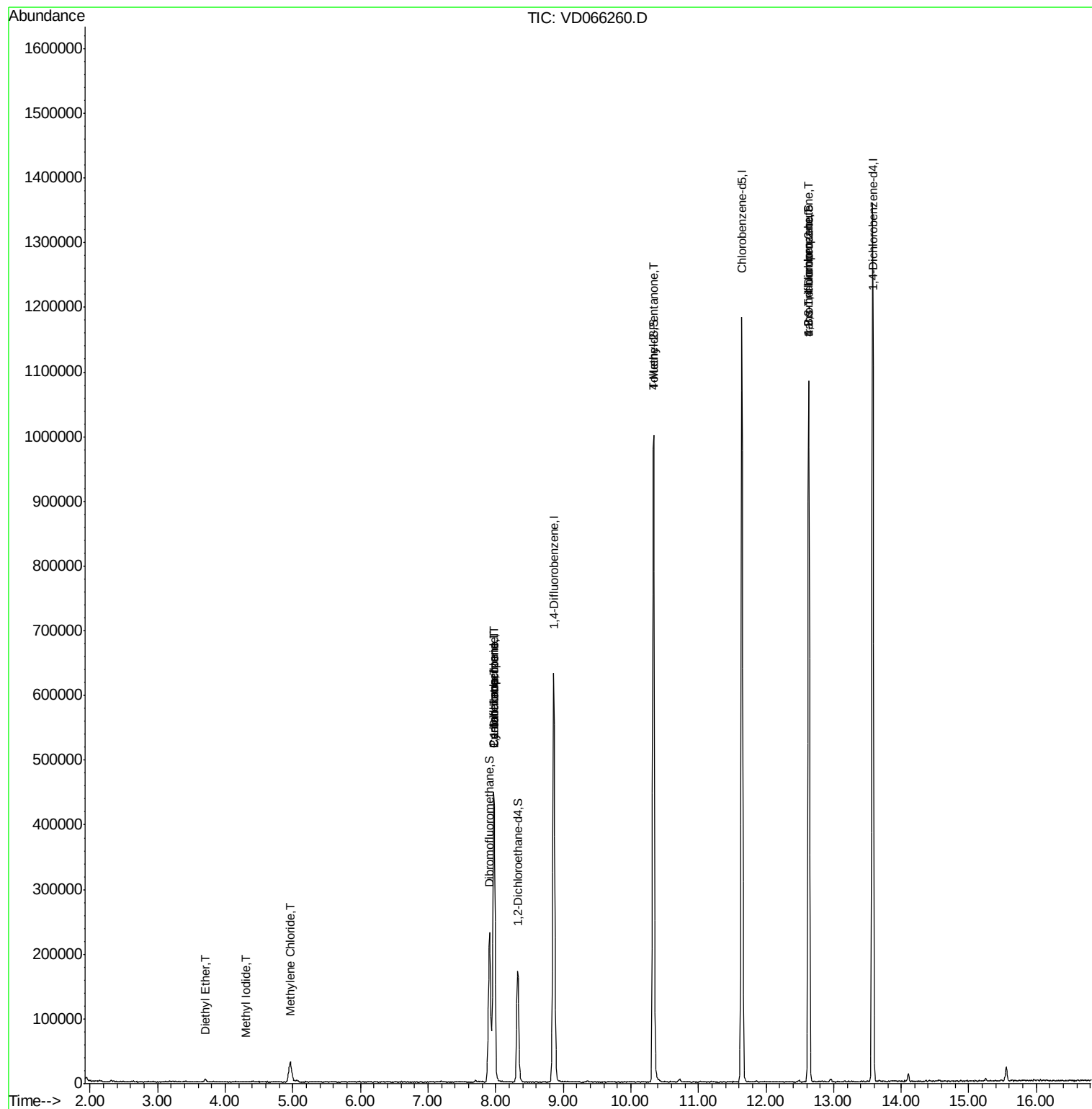
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	2059	1.289	ug/l	94
10) Methyl Iodide	4.30	142	182	6.763	ug/l #	39
11) Tert butyl alcohol	5.23	59	135	Below Cal	#	76
20) Methylene Chloride	4.96	84	23795	2.401	ug/l	97
31) Cyclohexane	7.97	56	6967	1.246	ug/l #	19
36) 1,1-Dichloropropene	7.97	75	23162	4.298	ug/l #	50
38) Carbon Tetrachloride	7.97	117	34287	5.705	ug/l #	13
51) 4-Methyl-2-Pentanone	10.34	43	3408	1.577	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	168828	54.254	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	168828	119.932	ug/l #	13

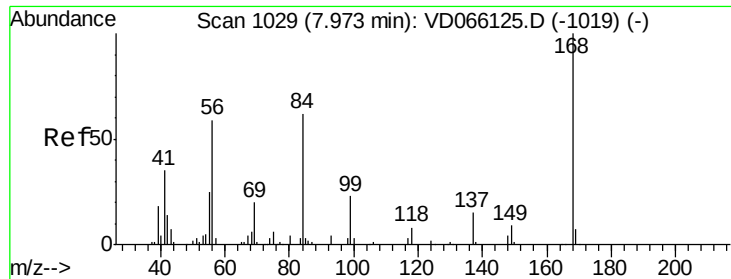
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081720\
Data File : VD066260.D
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MSVOA_D
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Quant Time: Aug 18 07:53:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066260.D

Acq: 17 Aug 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

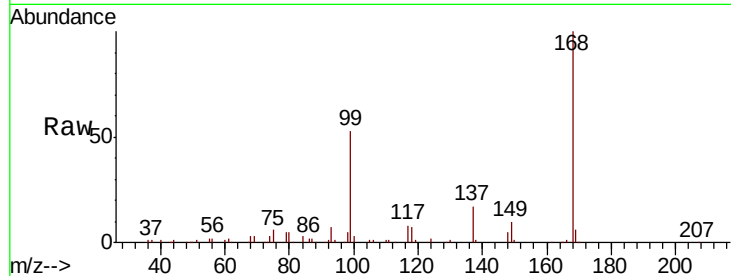
TP-1

Tot Ion:168 Resp: 357771

Ion Ratio Lower Upper

168 100

99 52.7 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

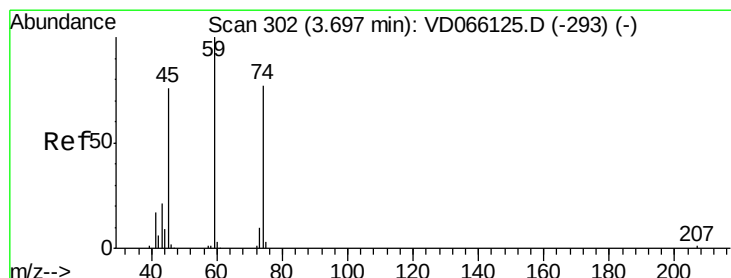
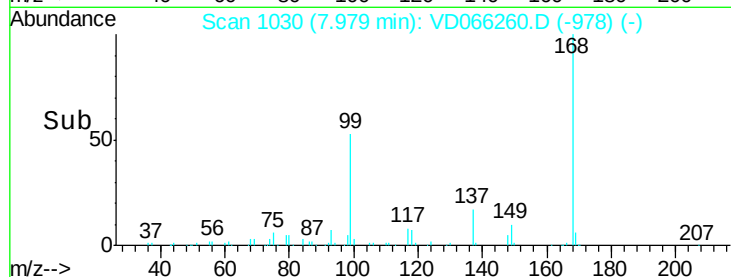
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.289 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066260.D

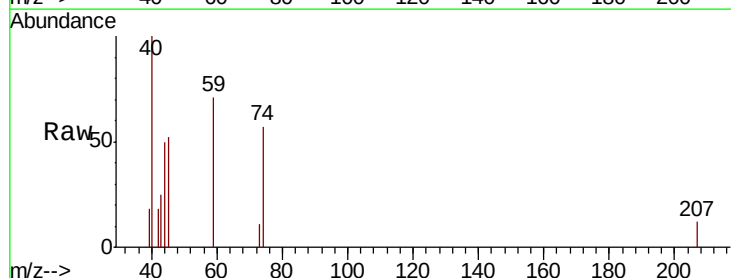
Acq: 17 Aug 2020 16:18

Tgt Ion: 74 Resp: 2059

Ion Ratio Lower Upper

74 100

45 90.6 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

1000

800

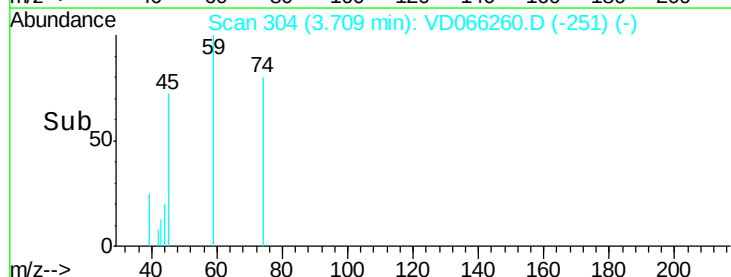
600

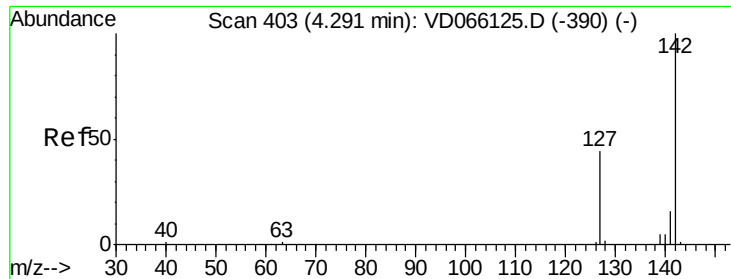
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200

0

Time-->

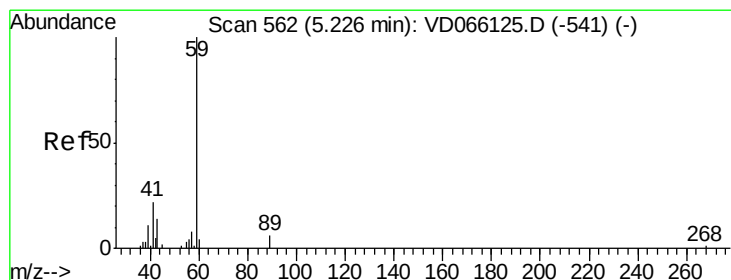
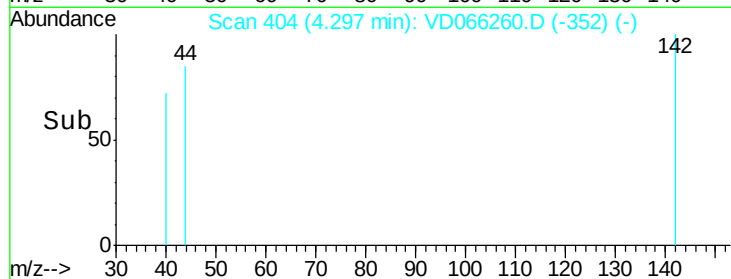
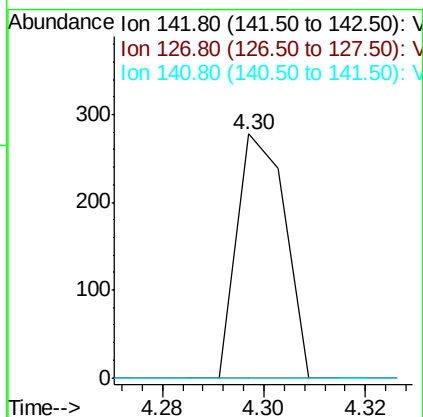
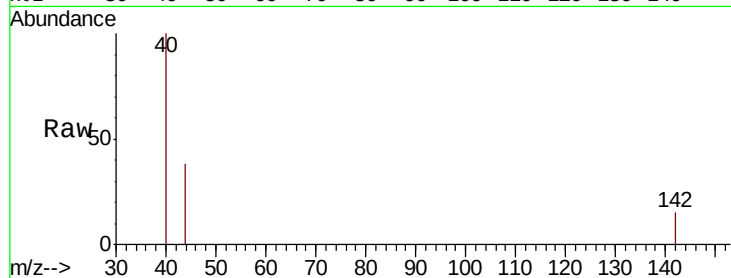




#10
Methyl Iodide
Concen: 6.763 ug/l
RT: 4.30 min Scan# 404
Delta R.T. 0.01 min
Lab File: VD066260.D
Acq: 17 Aug 2020 16:18

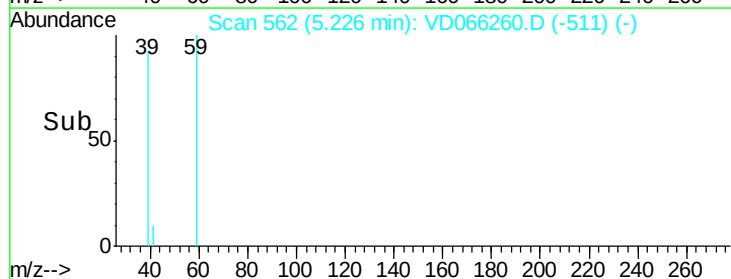
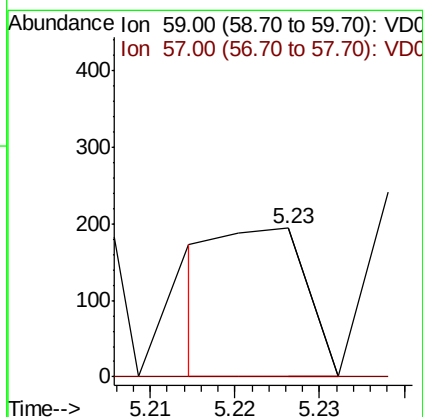
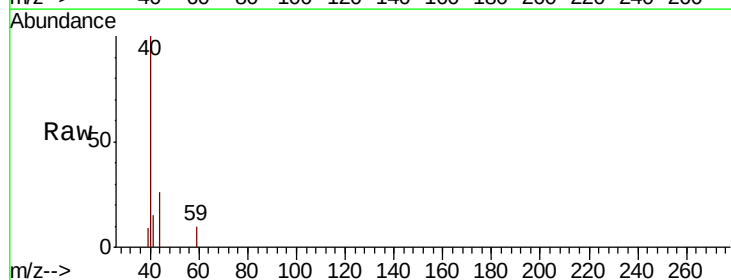
Instrument :
MSVOA_D
ClientSampleId :
TP-1

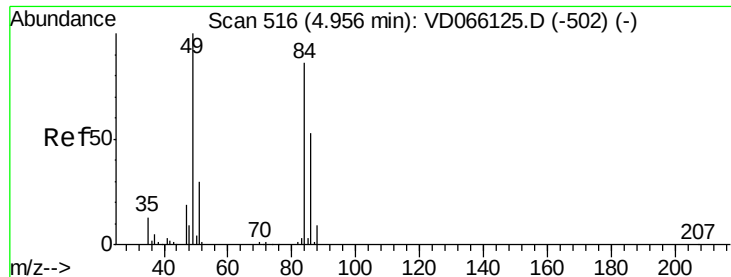
Tot Ion:142 Resp: 182
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.4#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD066260.D
Acq: 17 Aug 2020 16:18

Tgt Ion: 59 Resp: 135
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#





#20

Methylene Chloride

Concen: 2.401 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD066260.D

Acq: 17 Aug 2020 16:18

Instrument :

MSVOA_D

ClientSampled :

TP-1

Tot Ion: 84 Resp: 23795

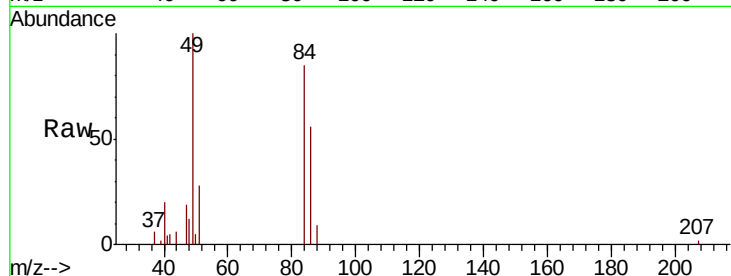
Ion Ratio Lower Upper

84 100

49 118.3 93.5 140.3

51 32.8 28.2 42.4

86 66.5 49.5 74.3

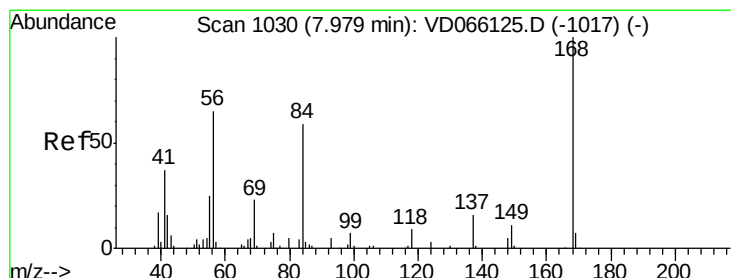
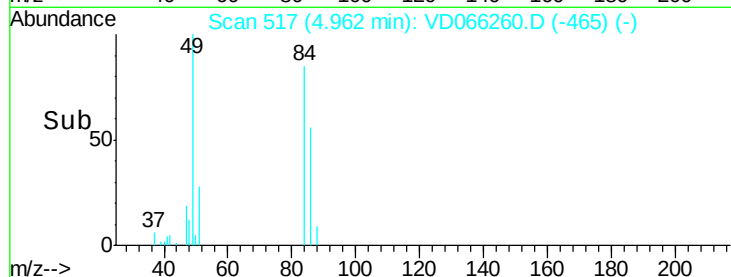
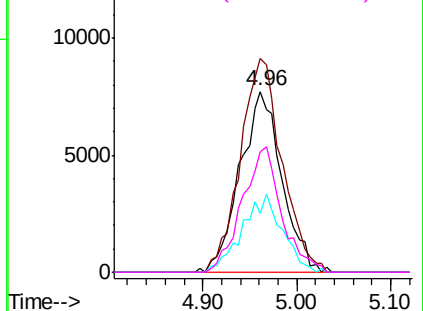


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#31

Cyclohexane

Concen: 1.246 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066260.D

Acq: 17 Aug 2020 16:18

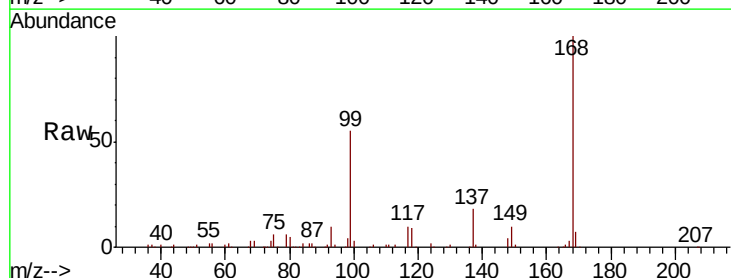
Tgt Ion: 56 Resp: 6967

Ion Ratio Lower Upper

56 100

69 170.6 28.8 43.2#

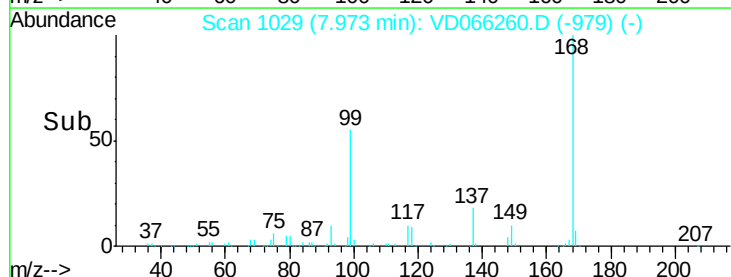
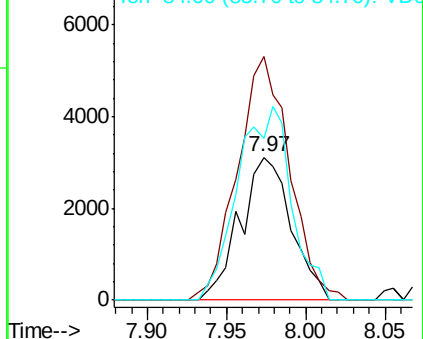
84 113.3 73.0 109.6#

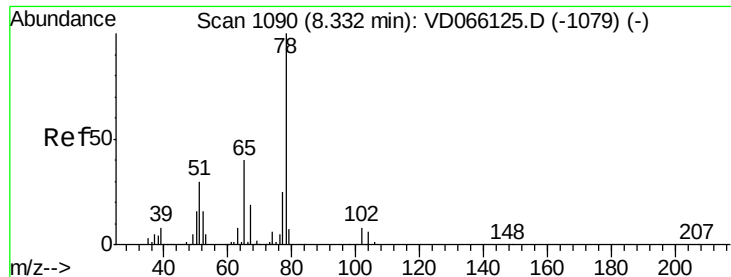


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

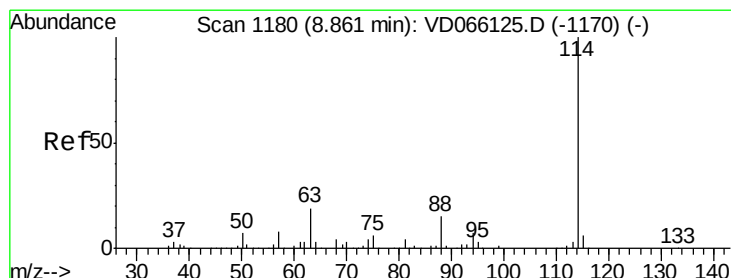
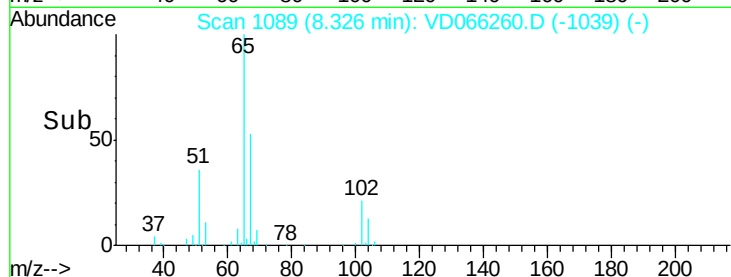
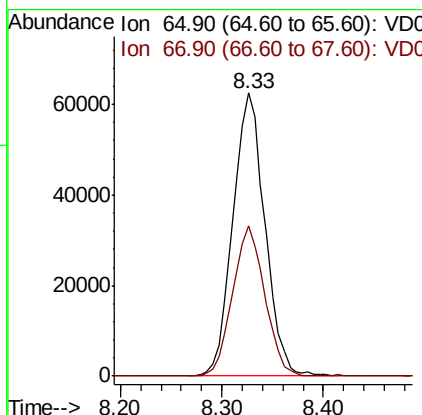
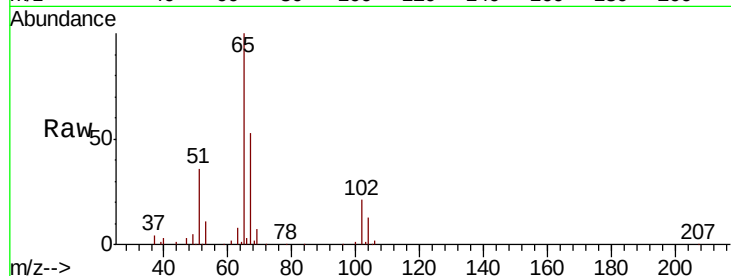




#33
 1,2-Dichloroethane-d4
 Concen: 42.935 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066260.D
 Acq: 17 Aug 2020 16:18

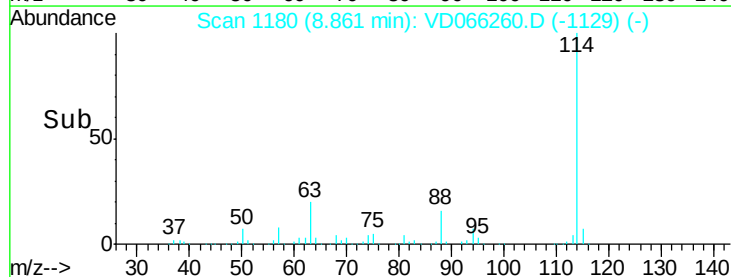
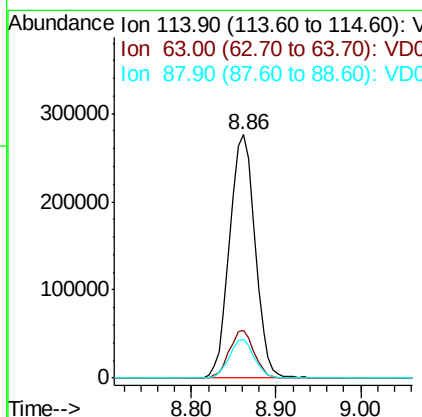
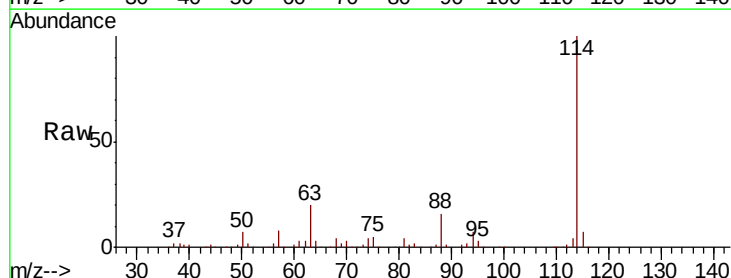
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

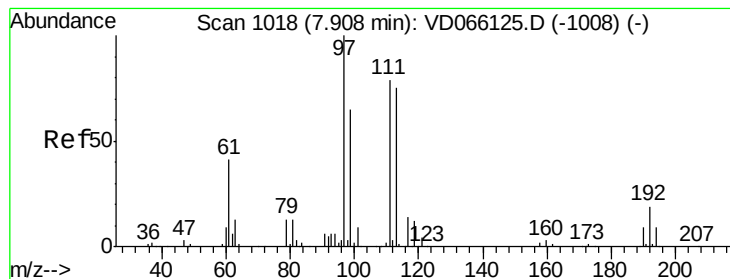
Tot Ion: 65 Resp: 137043
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066260.D
 Acq: 17 Aug 2020 16:18

Tgt Ion: 114 Resp: 573507
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.173 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066260.D

Acq: 17 Aug 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

TP-1

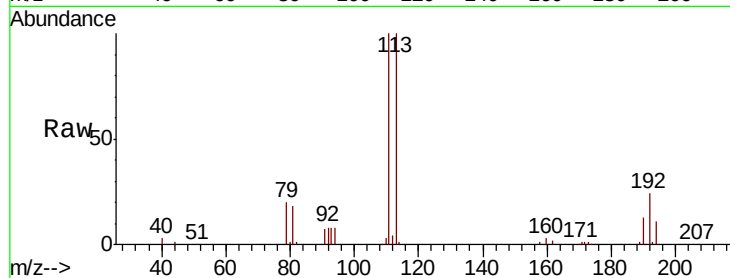
Tot Ion:113 Resp: 171386

Ion Ratio Lower Upper

113 100

111 100.5 80.7 121.1

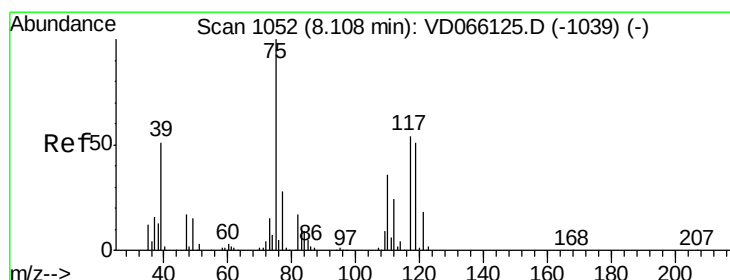
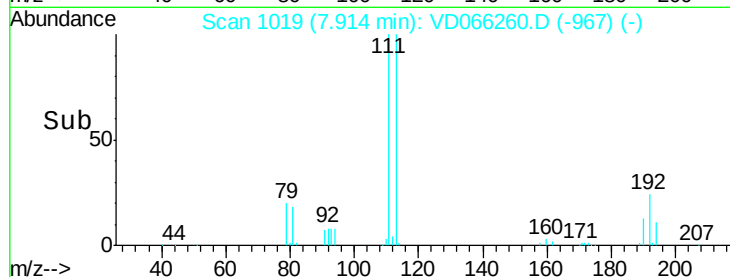
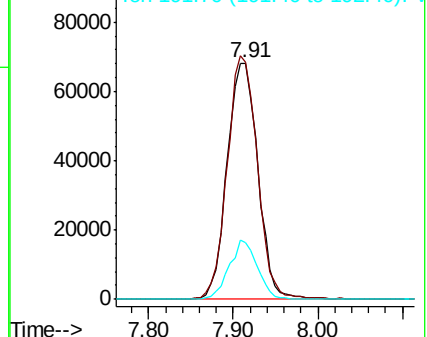
192 22.8 18.4 27.6



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: 4.298 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066260.D

Acq: 17 Aug 2020 16:18

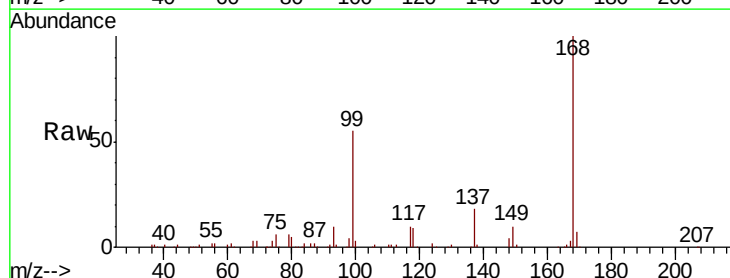
Tgt Ion: 75 Resp: 23162

Ion Ratio Lower Upper

75 100

110 10.4 18.8 56.3#

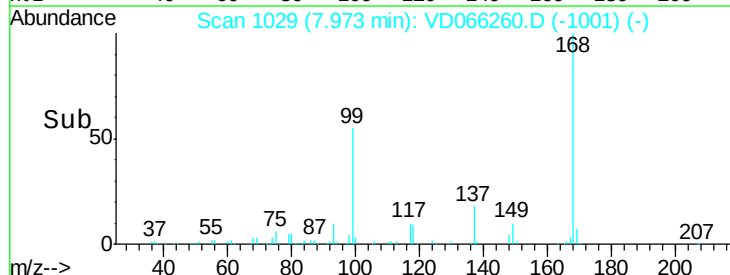
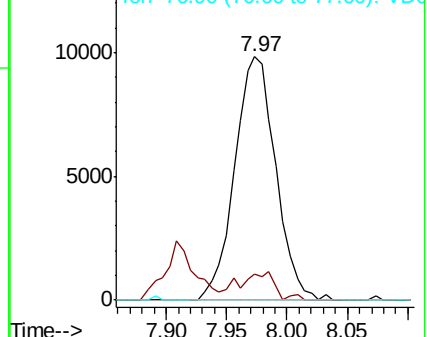
77 0.0 24.2 36.2#

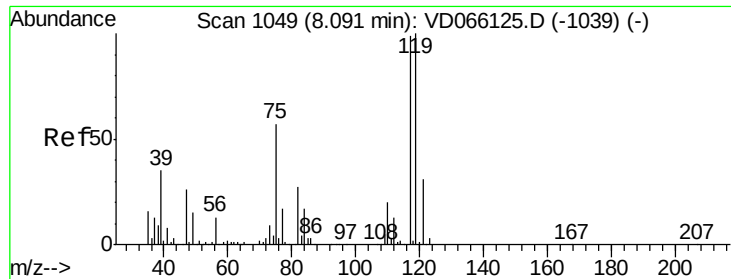


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

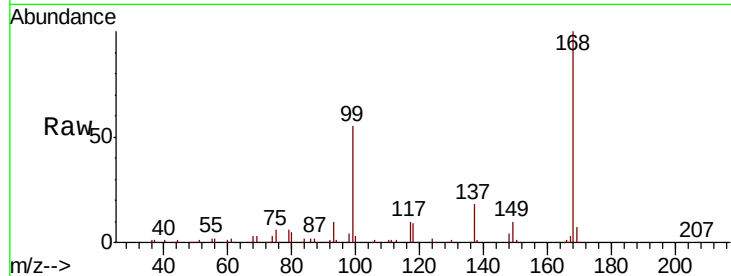




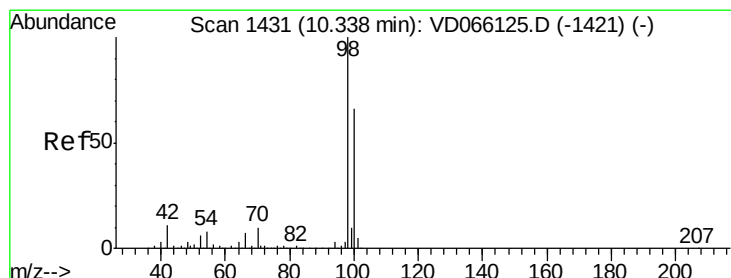
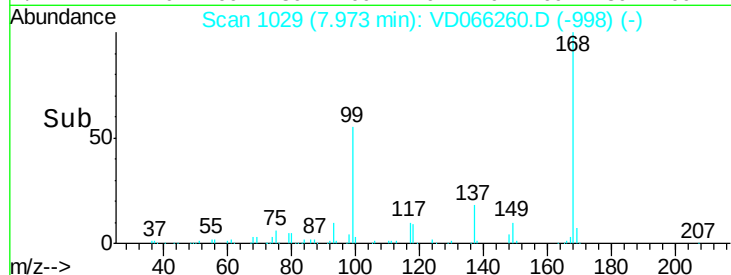
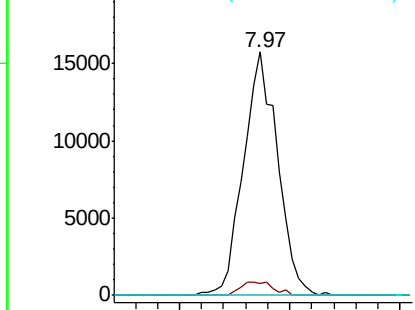
#38
Carbon Tetrachloride
Concen: 5.705 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066260.D
Acq: 17 Aug 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tot Ion:117 Resp: 34287
Ion Ratio Lower Upper
117 100
119 4.8 81.0 121.4#
121 0.0 24.8 37.2#

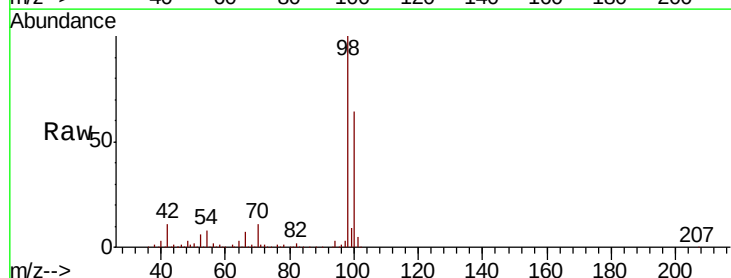


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

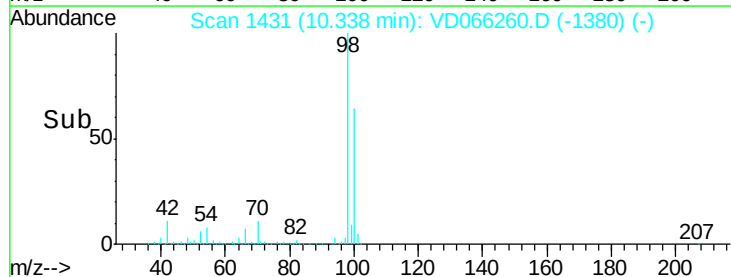
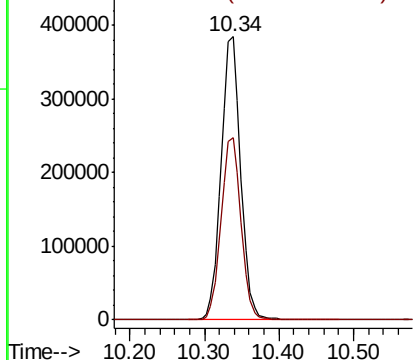


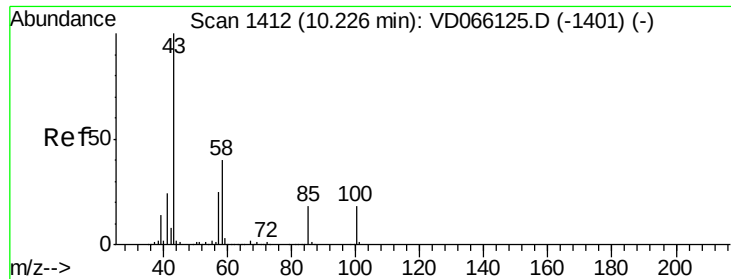
#50
Toluene-d8
Concen: 52.385 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066260.D
Acq: 17 Aug 2020 16:18

Tgt Ion: 98 Resp: 702324
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.577 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066260.D

Acq: 17 Aug 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

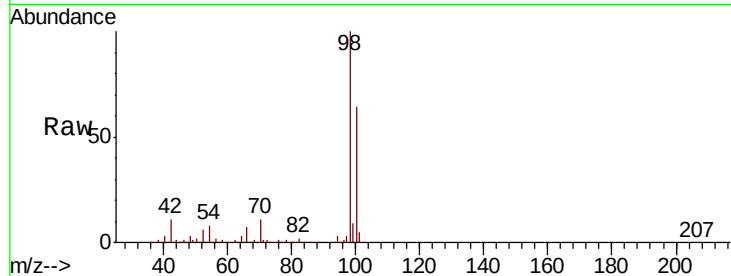
TP-1

Tot Ion: 43 Resp: 3408

Ion Ratio Lower Upper

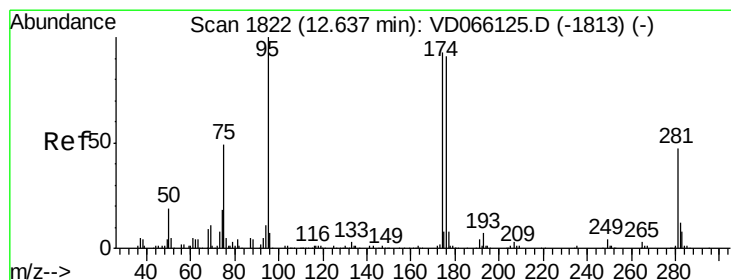
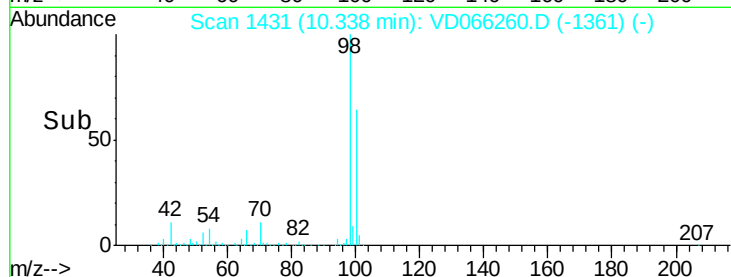
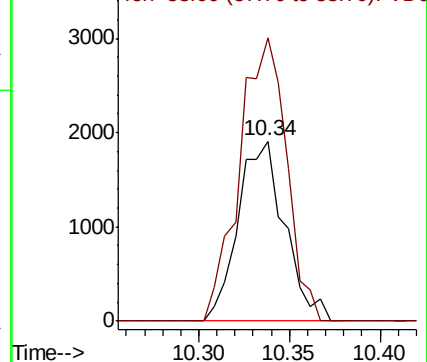
43 100

58 159.5 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 71.278 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066260.D

Acq: 17 Aug 2020 16:18

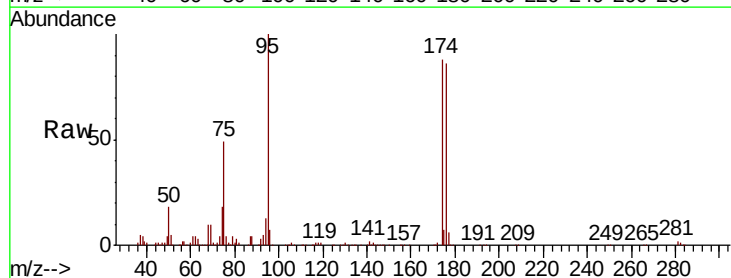
Tgt Ion: 95 Resp: 344469

Ion Ratio Lower Upper

95 100

174 90.1 0.0 180.8

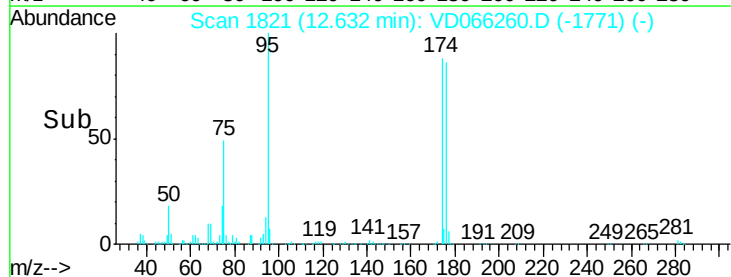
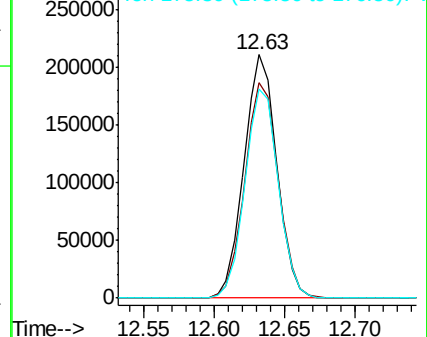
176 87.1 0.0 181.2

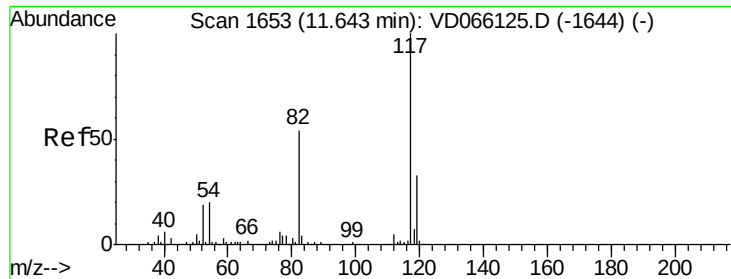


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

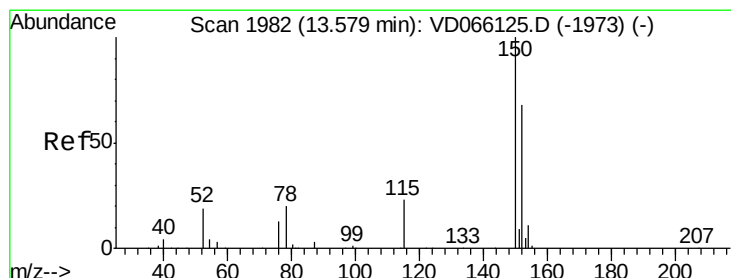
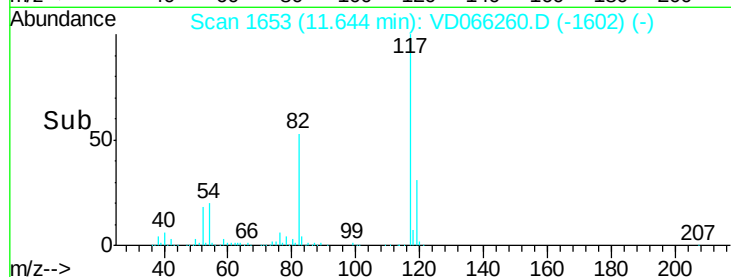
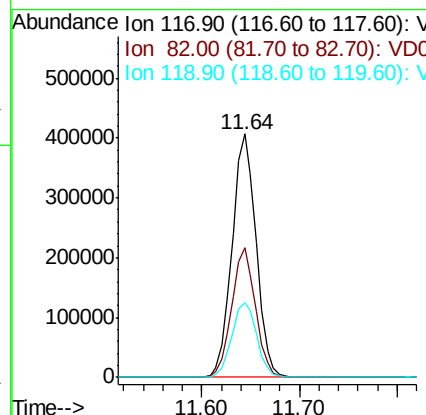
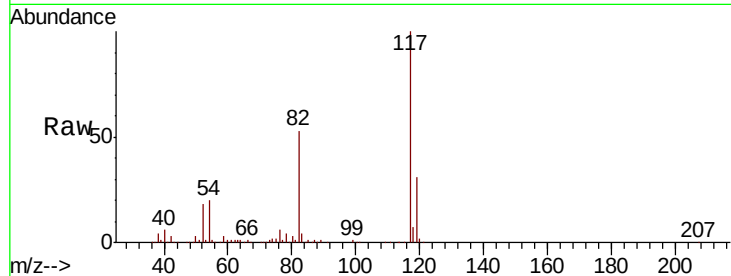




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066260.D
Acq: 17 Aug 2020 16:18

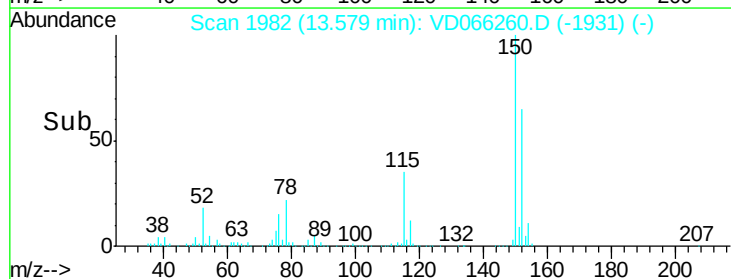
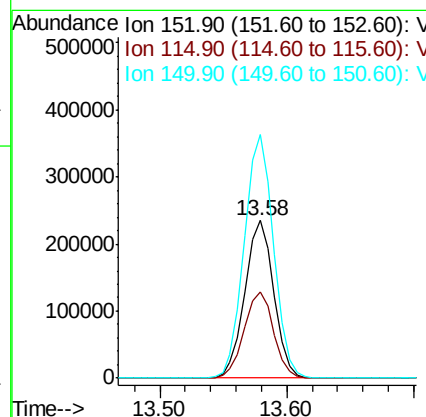
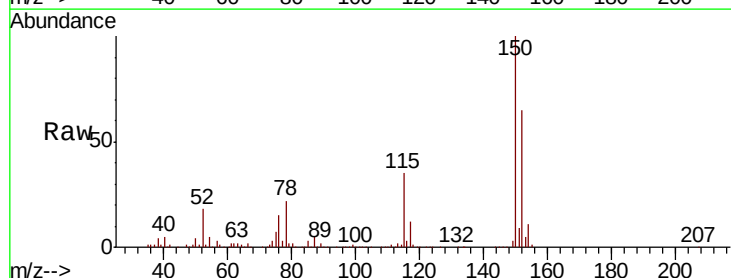
Instrument :
MSVOA_D
ClientSampleId :
TP-1

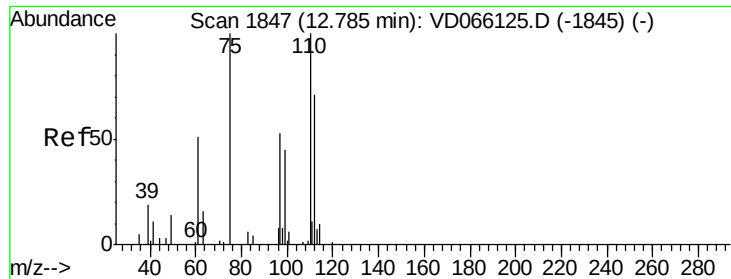
Tot Ion:117 Resp: 693006
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 30.8 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066260.D
Acq: 17 Aug 2020 16:18

Tgt Ion:152 Resp: 373150
Ion Ratio Lower Upper
152 100
115 55.3 28.0 83.9
150 155.8 0.0 346.4

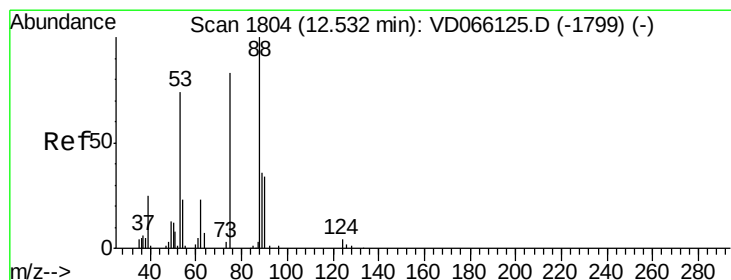
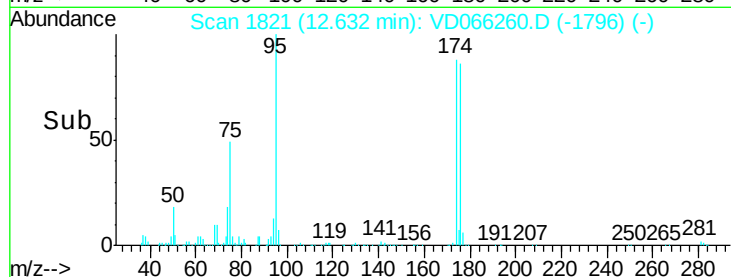
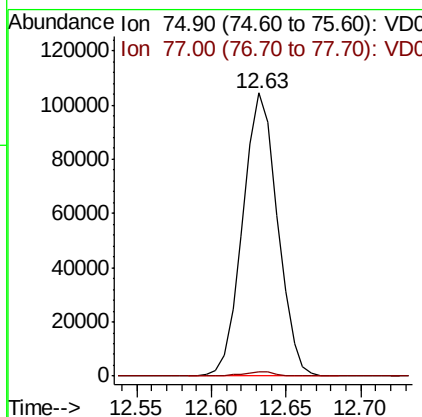
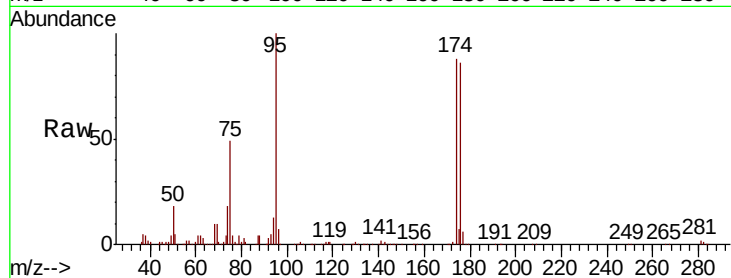




#76
 1,2,3-Trichloropropane
 Concen: 54.254 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066260.D
 Acq: 17 Aug 2020 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Tot Ion: 75 Resp: 168828
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.932 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066260.D
 Acq: 17 Aug 2020 16:18

Tgt Ion: 75 Resp: 168828
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.2#
 89 0.1 36.6 55.0#

