

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081020\
 Data File : VD066168.D
 Acq On : 10 Aug 2020 16:57
 Operator : VA/SY
 Sample : L3594-09
 Misc : 8.32G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

Quant Time: Aug 11 04:35:03 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	170405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	288654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	348019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	198123	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	92781	61.03	ug/l	0.00
Spiked Amount			Recovery	=	122.06%	
35) Dibromofluoromethane	7.91	113	99252	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	
50) Toluene-d8	10.34	98	363687	53.90	ug/l	0.00
Spiked Amount			Recovery	=	107.80%	
62) 4-Bromofluorobenzene	12.63	95	170985	70.30	ug/l	0.00
Spiked Amount			Recovery	=	140.60%	

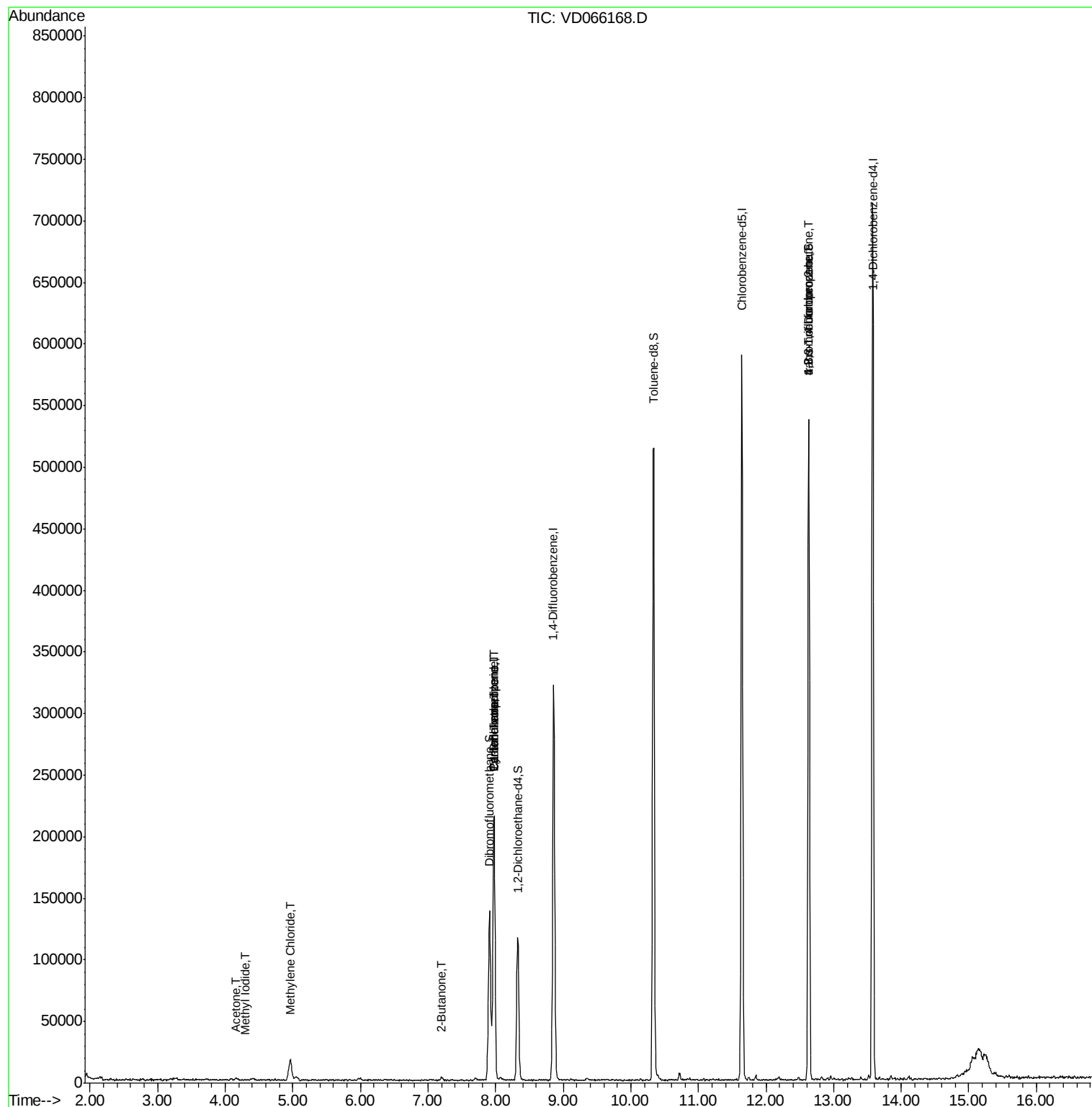
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	342	6.915	ug/l #	79
11) Tert butyl alcohol	5.20	59	73	Below Cal	#	76
16) Acetone	4.16	43	3307	11.464	ug/l	89
20) Methylene Chloride	4.96	84	13343	3.739	ug/l	91
25) 2-Butanone	7.20	43	1249	2.944	ug/l #	47
31) Cyclohexane	7.98	56	3841	1.442	ug/l #	5
36) 1,1-Dichloropropene	7.98	75	12085	4.455	ug/l #	51
38) Carbon Tetrachloride	7.98	117	15978	5.282	ug/l #	13
76) 1,2,3-Trichloropropane	12.63	75	83753	50.692	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	83753	112.057	ug/l #	13

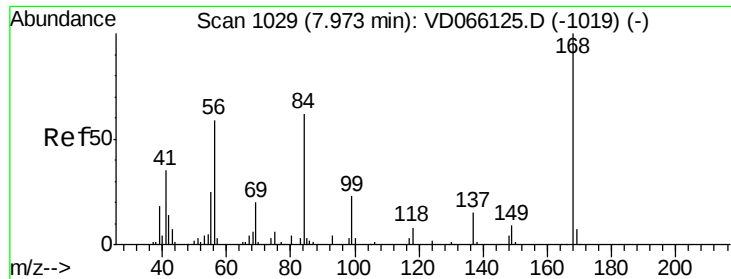
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081020\
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Quant Time: Aug 11 04:35:03 2020
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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: VD066168.D

Acq: 10 Aug 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

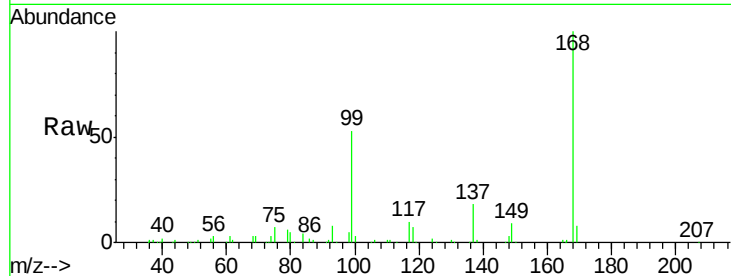
TP-3

Tot Ion:168 Resp: 170405

Ion Ratio Lower Upper

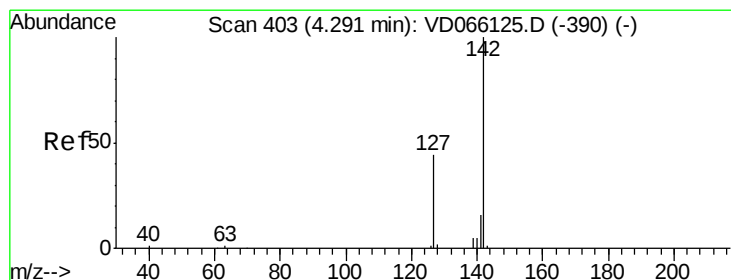
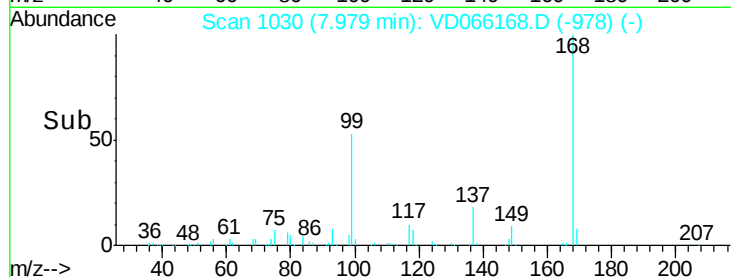
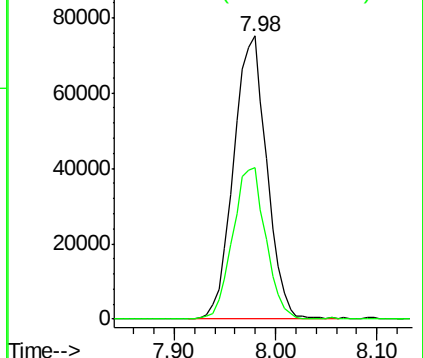
168 100

99 53.4 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 6.915 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066168.D

Acq: 10 Aug 2020 16:57

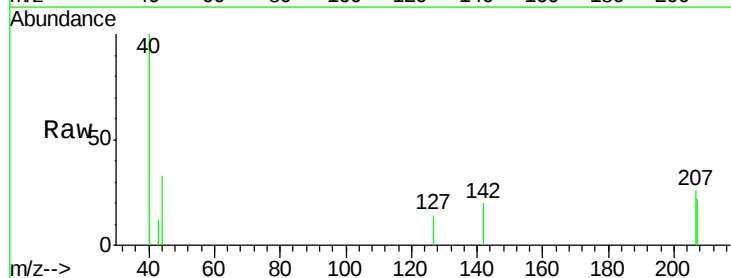
Tgt Ion:142 Resp: 342

Ion Ratio Lower Upper

142 100

127 55.0 36.2 54.4#

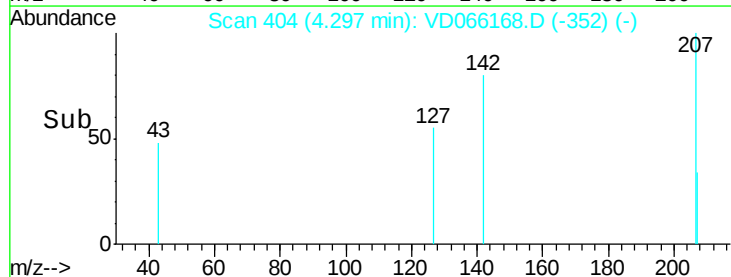
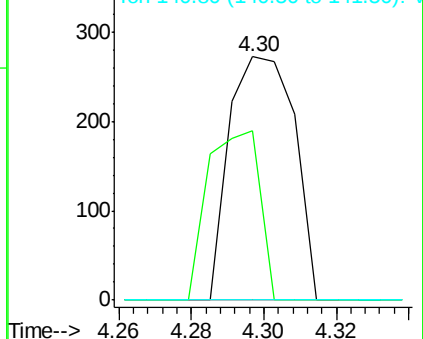
141 0.0 12.6 18.8#

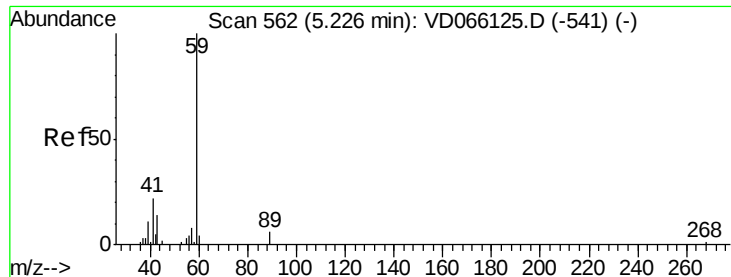


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



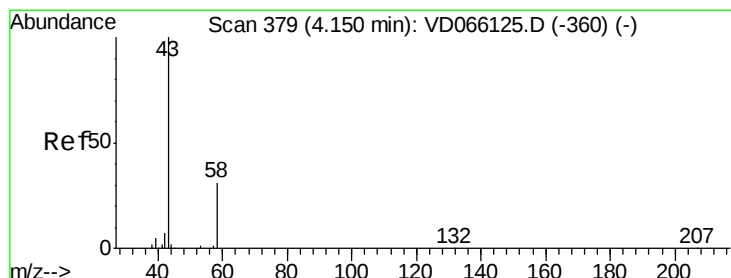
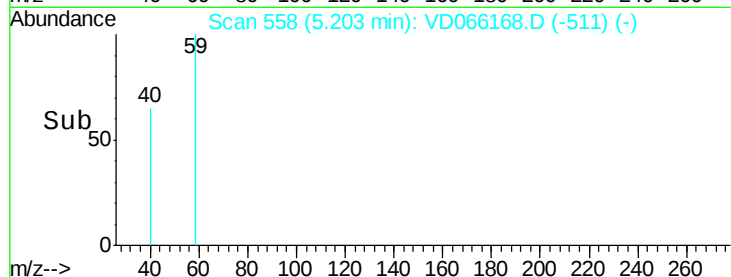
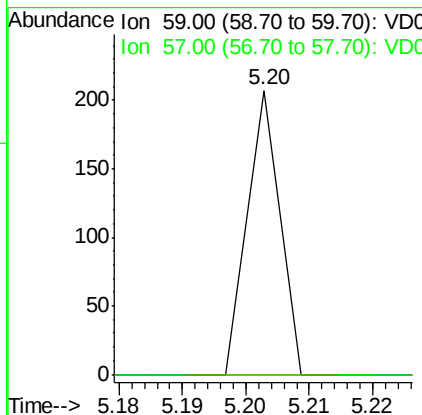
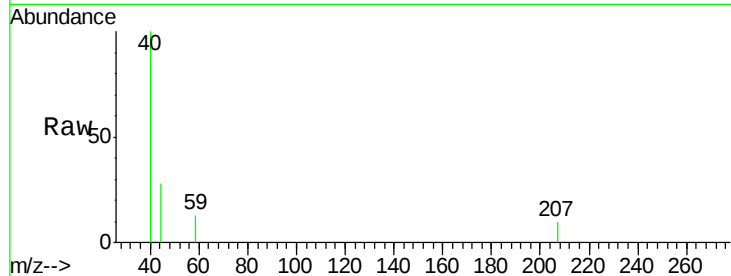


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD066168.D
 Acq: 10 Aug 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

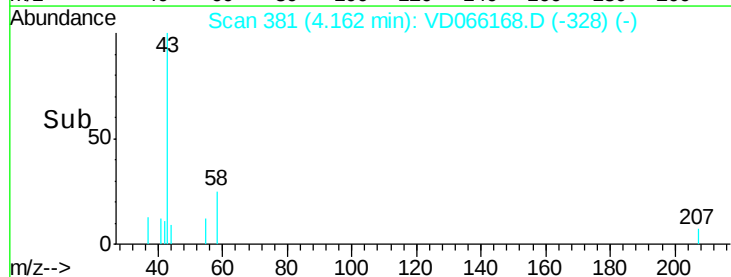
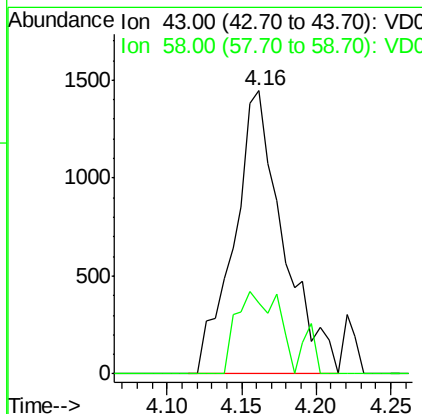
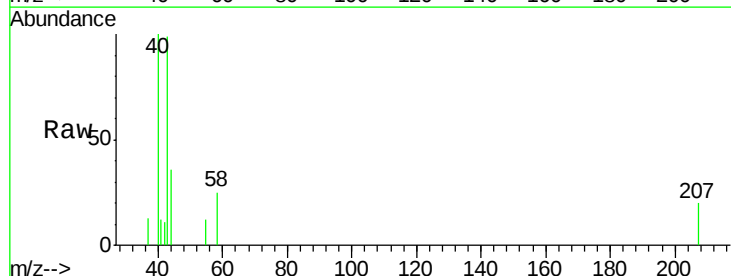
Tot Ion: 59 Resp: 73
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

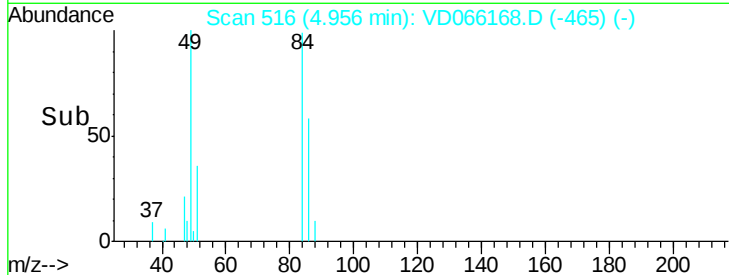
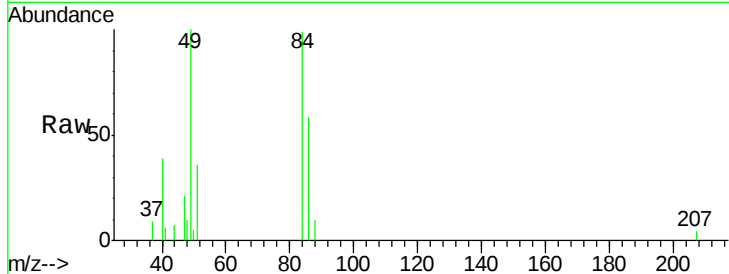
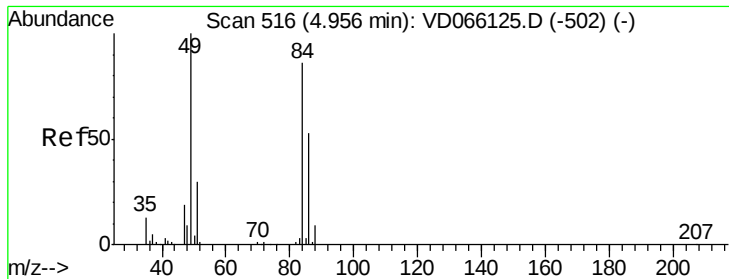


#16

Acetone
 Concen: 11.464 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066168.D
 Acq: 10 Aug 2020 16:57

Tgt Ion: 43 Resp: 3307
 Ion Ratio Lower Upper
 43 100
 58 24.8 24.7 37.1

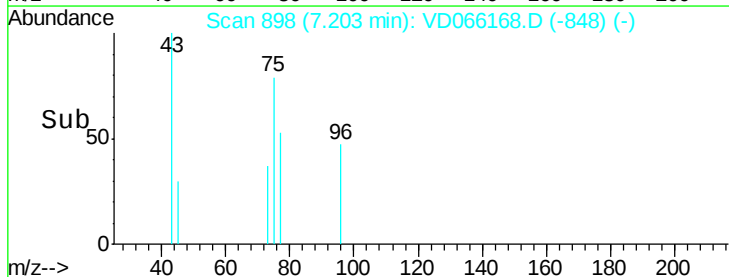
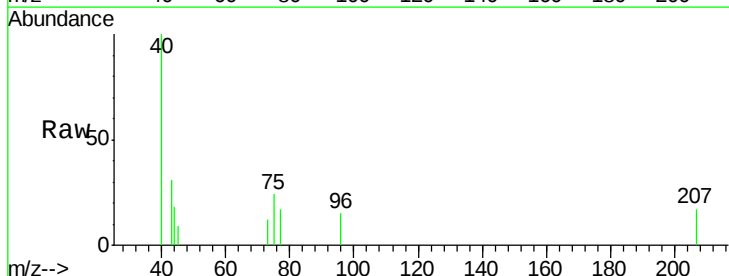
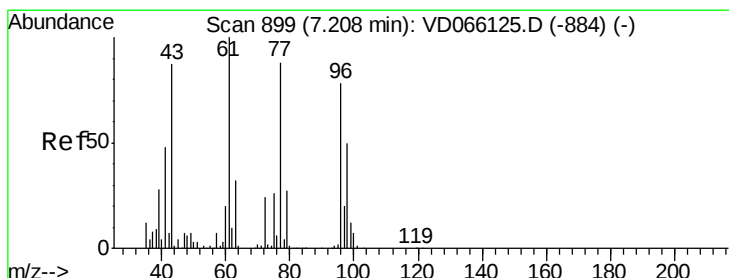
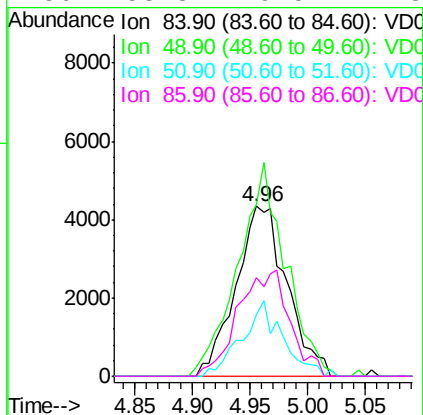




#20
Methvlene Chloride
Concen: 3.739 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066168.D
Acq: 10 Aug 2020 16:57

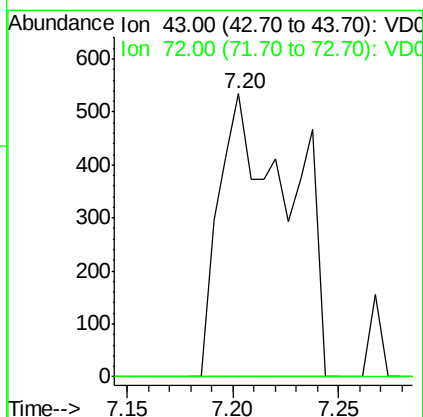
Instrument :
MSVOA_D
ClientSampleId :
TP-3

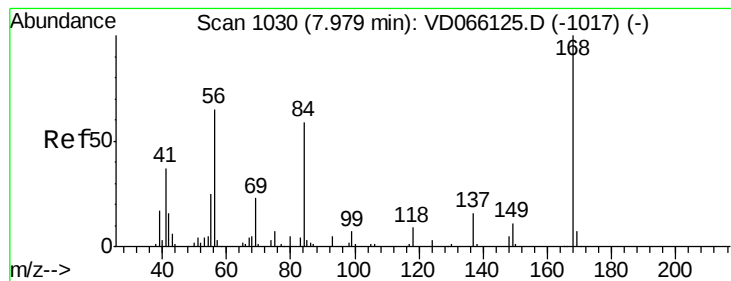
Tot Ion:	84	Resp:	13343
Ion	Ratio	Lower	Upper
84	100		
49	100.9	93.5	140.3
51	35.9	28.2	42.4
86	58.3	49.5	74.3



#25
2-Butanone
Concen: 2.944 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066168.D
Acq: 10 Aug 2020 16:57

Tgt Ion:	43	Resp:	1249
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.2	33.2#





#31

Cyclohexane

Concen: 1.442 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066168.D

Acq: 10 Aug 2020 16:57

Instrument :

MSVOA_D

ClientSampled :

TP-3

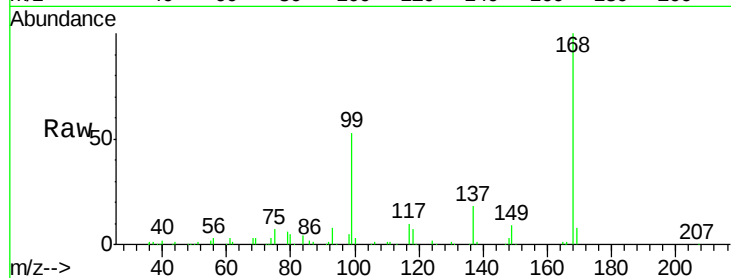
Tot Ion: 56 Resp: 3841

Ion Ratio Lower Upper

56 100

69 134.2 28.8 43.2#

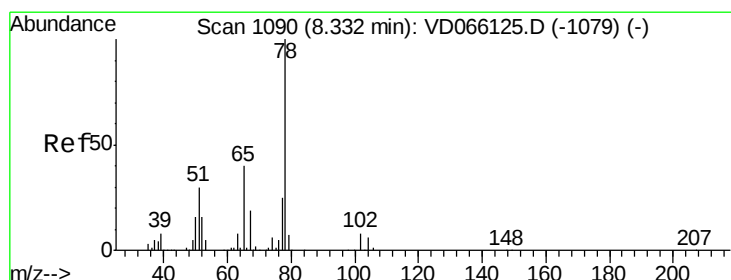
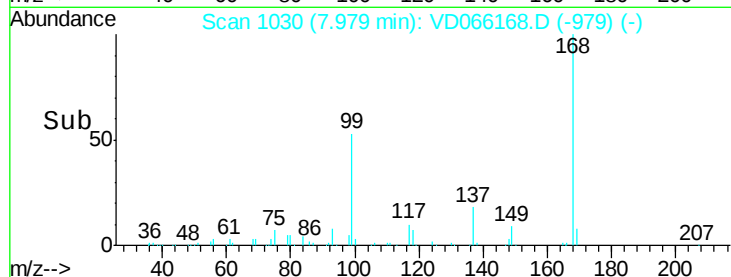
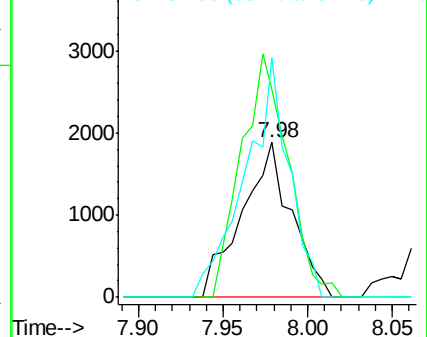
84 154.6 73.0 109.6#



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: 61.029 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066168.D

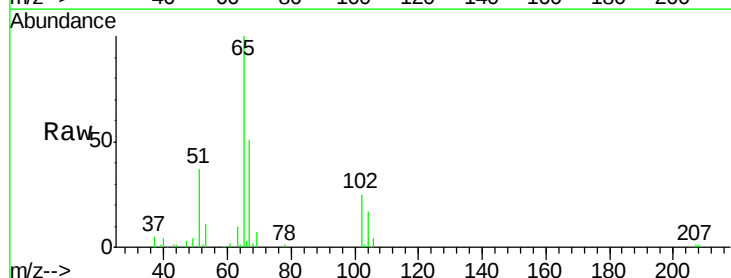
Acq: 10 Aug 2020 16:57

Tgt Ion: 65 Resp: 92781

Ion Ratio Lower Upper

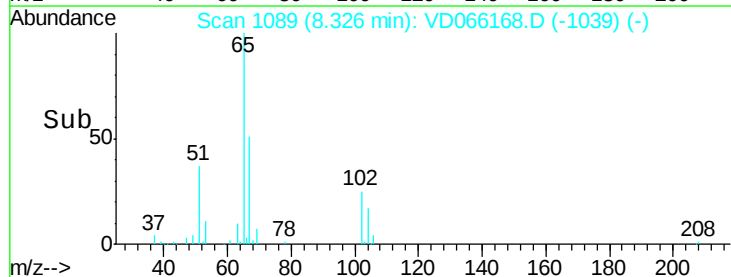
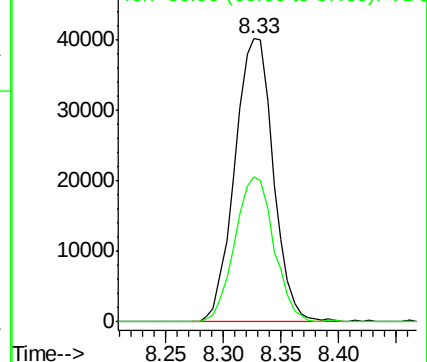
65 100

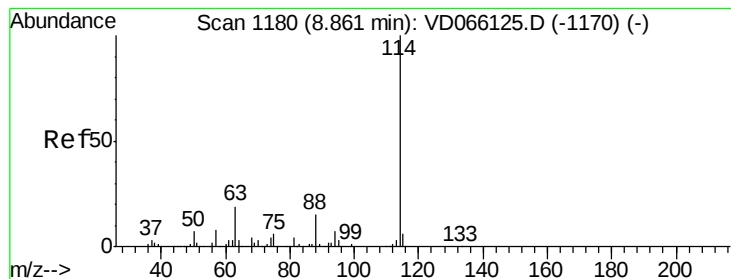
67 51.8 0.0 104.6



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# 1179

Delta R.T. -0.01 min

Lab File: VD066168.D

Acq: 10 Aug 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

TP-3

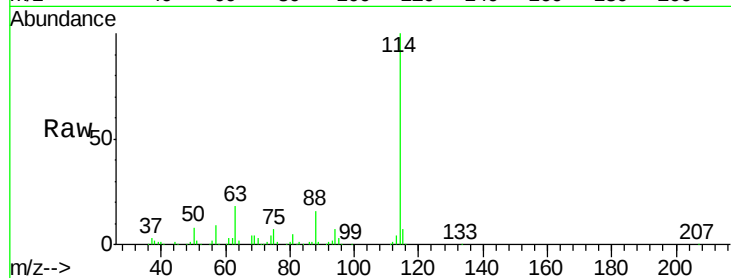
Tot Ion:114 Resp: 288654

Ion Ratio Lower Upper

114 100

63 17.7 0.0 38.6

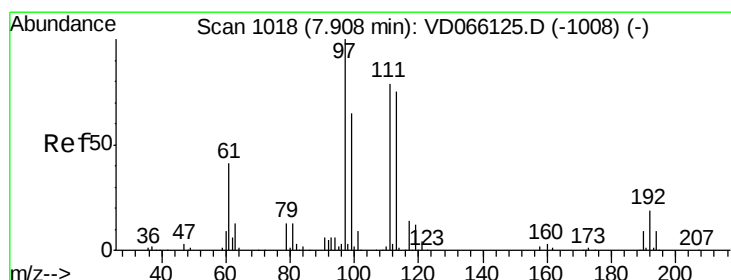
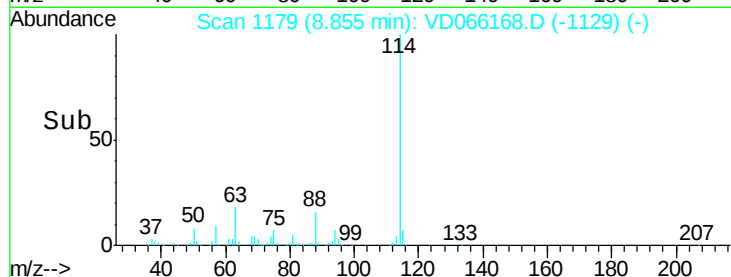
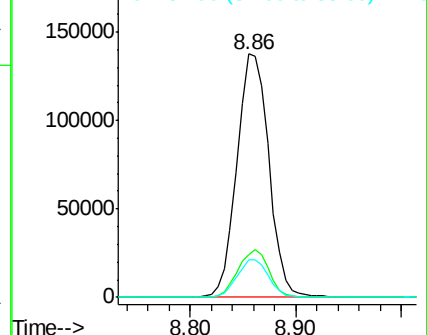
88 15.6 0.0 30.0



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: 54.278 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066168.D

Acq: 10 Aug 2020 16:57

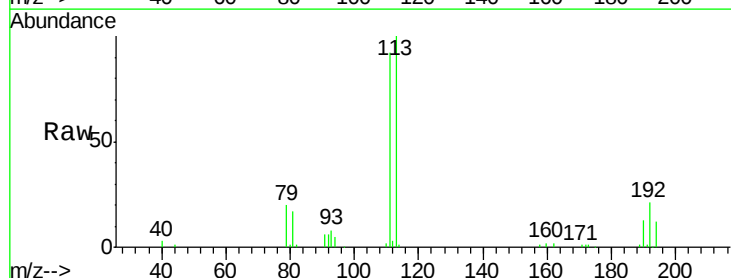
Tgt Ion:113 Resp: 99252

Ion Ratio Lower Upper

113 100

111 99.5 80.7 121.1

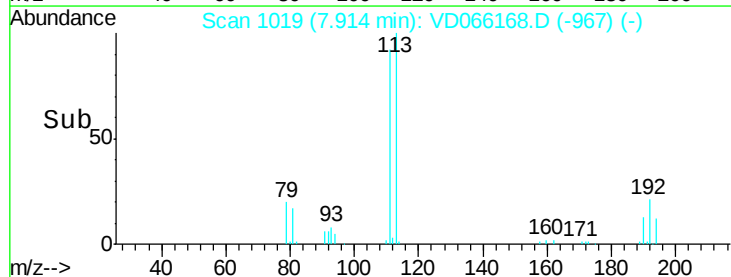
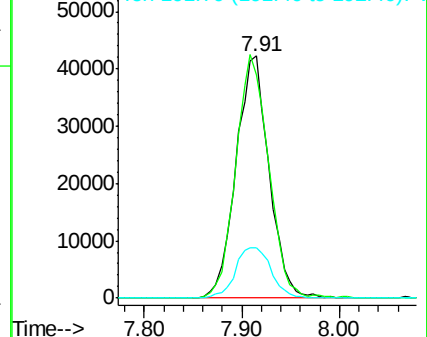
192 22.4 18.4 27.6

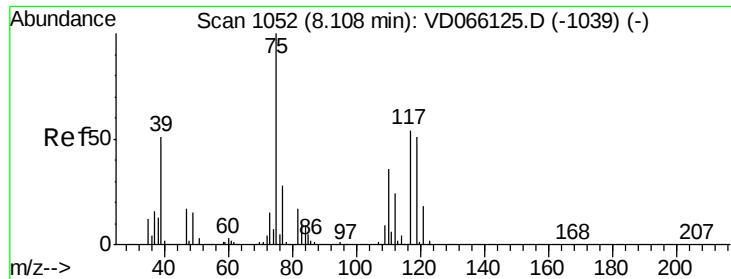


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

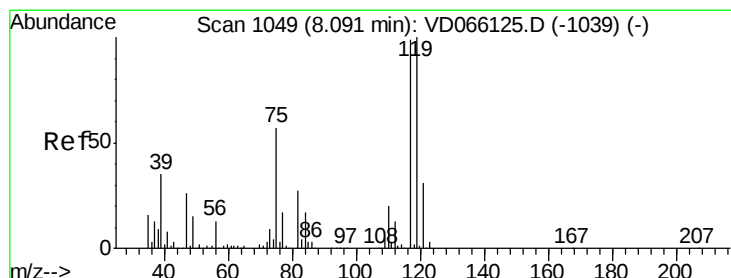
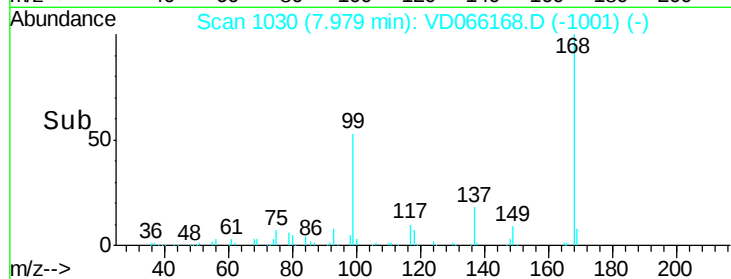
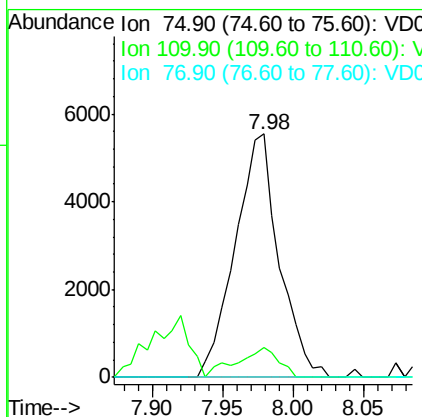
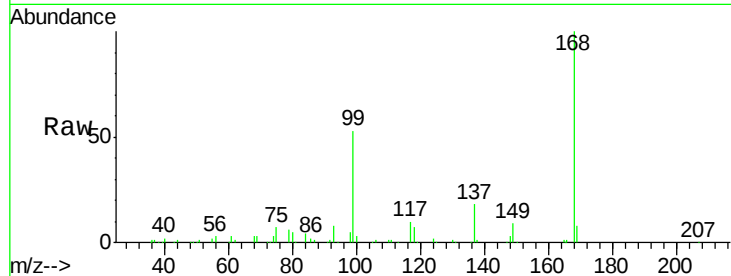




#36
 1,1-Dichloropropene
 Concen: 4.455 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066168.D
 Acq: 10 Aug 2020 16:57

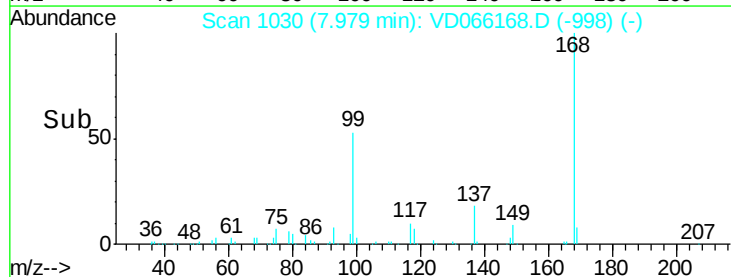
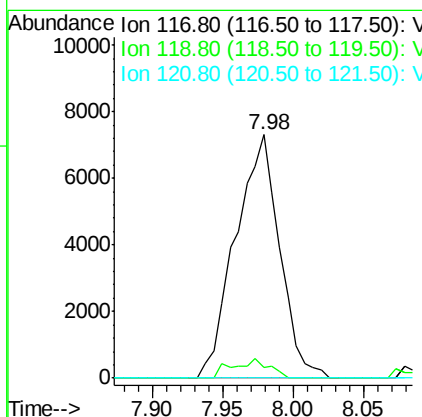
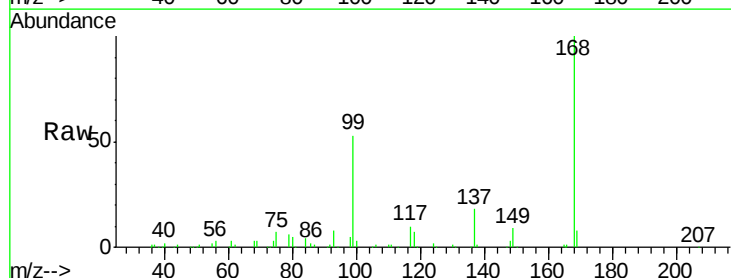
Instrument :
 MSVOA_D
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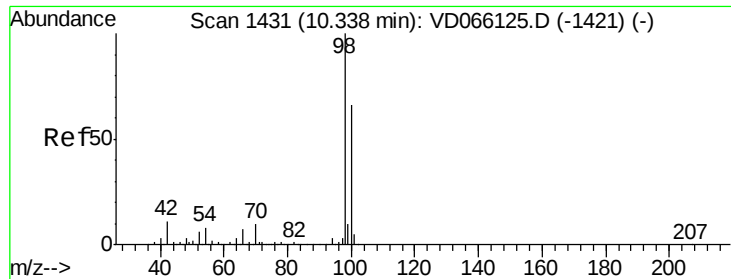
Tot Ion	75	Resp	12085
Ion Ratio	Lower	Upper	
75	100		
110	11.6	18.8	56.3#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 5.282 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.11 min
 Lab File: VD066168.D
 Acq: 10 Aug 2020 16:57

Tgt Ion	117	Resp	15978
Ion Ratio	Lower	Upper	
117	100		
119	4.3	81.0	121.4#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 53.896 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066168.D

Acq: 10 Aug 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

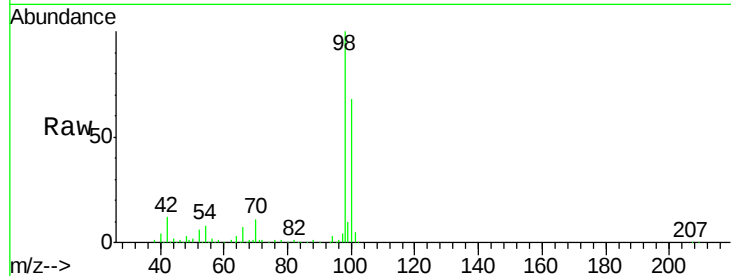
TP-3

Tot Ion: 98 Resp: 363687

Ion Ratio Lower Upper

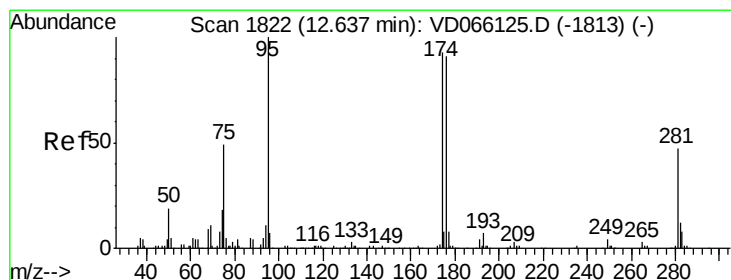
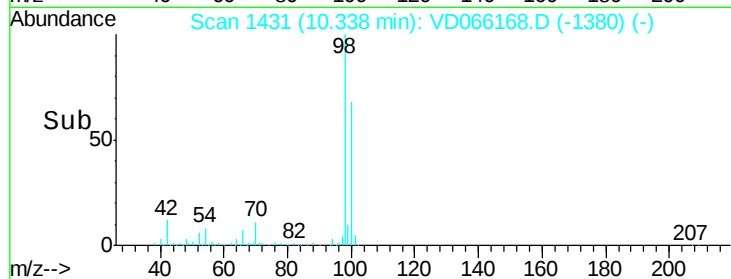
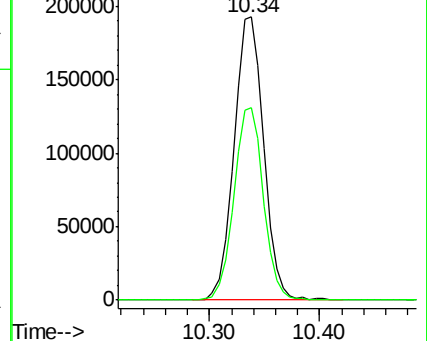
98 100

100 67.3 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 70.296 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066168.D

Acq: 10 Aug 2020 16:57

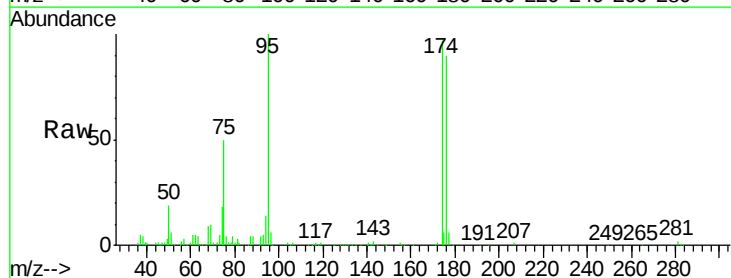
Tgt Ion: 95 Resp: 170985

Ion Ratio Lower Upper

95 100

174 91.3 0.0 180.8

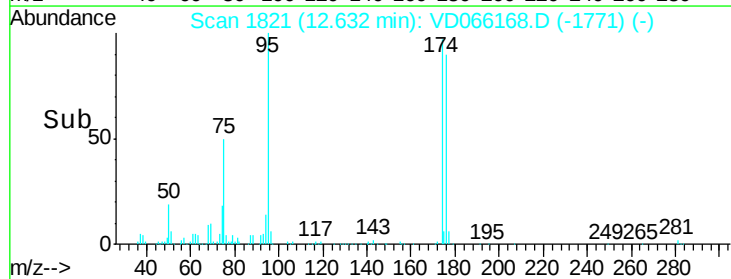
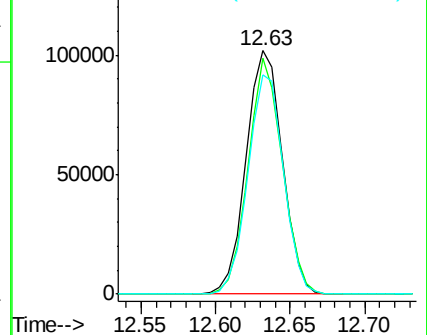
176 88.5 0.0 181.2

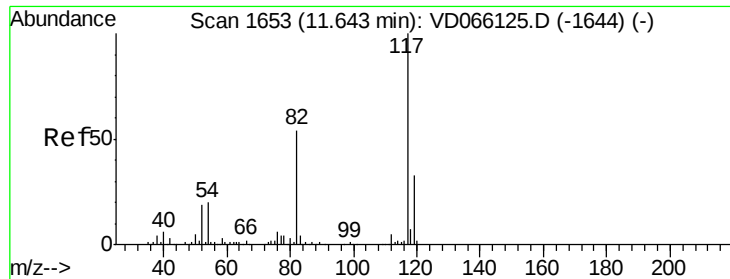


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

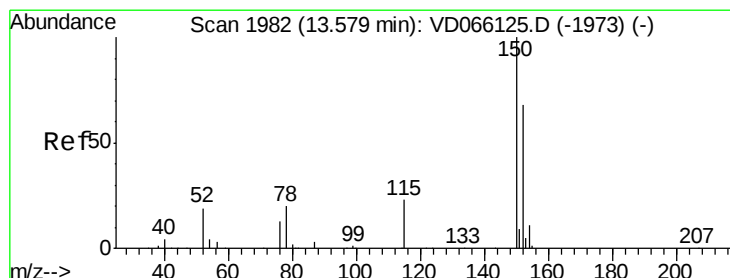
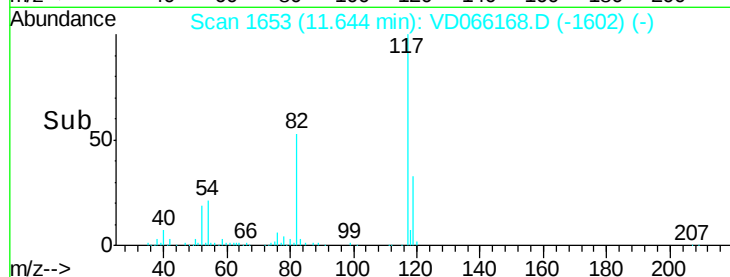
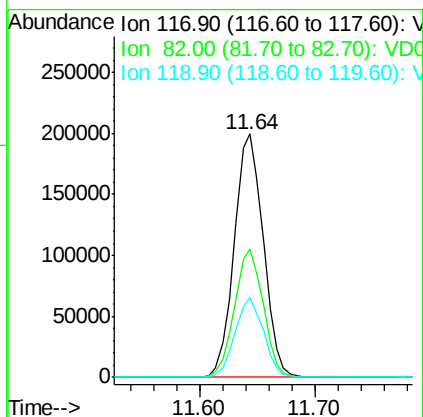
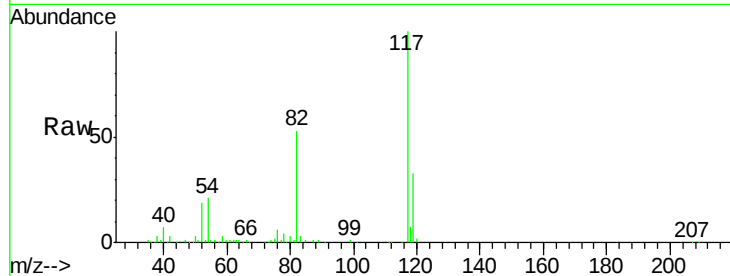




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066168.D
Acq: 10 Aug 2020 16:57

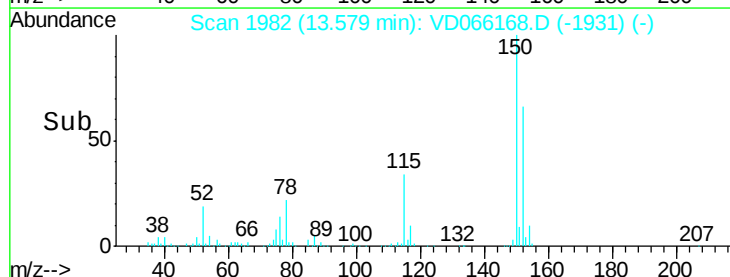
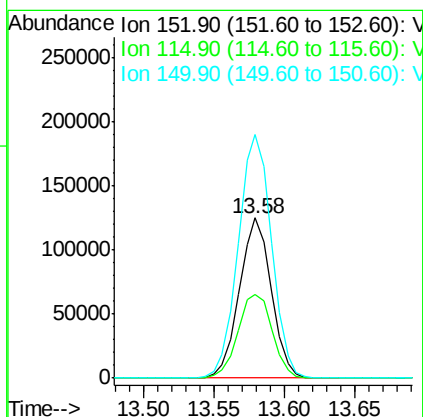
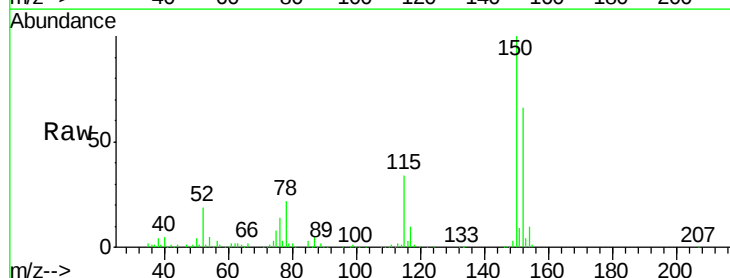
Instrument :
MSVOA_D
ClientSampled :
TP-3

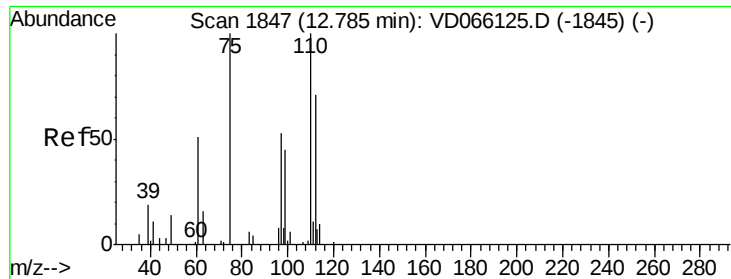
Tot Ion:117 Resp: 348019
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.4
119 32.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066168.D
Acq: 10 Aug 2020 16:57

Tgt Ion:152 Resp: 198123
Ion Ratio Lower Upper
152 100
115 56.2 28.0 83.9
150 158.2 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 50.692 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066168.D

Acq: 10 Aug 2020 16:57

Instrument :

MSVOA_D

ClientSampled :

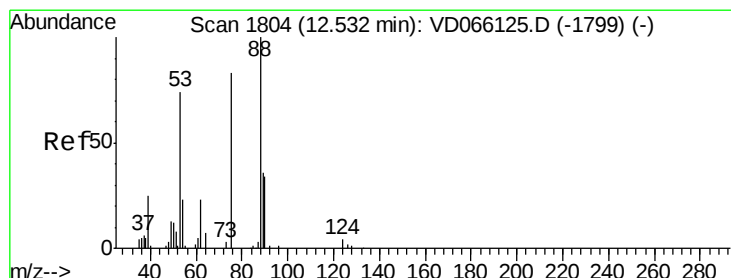
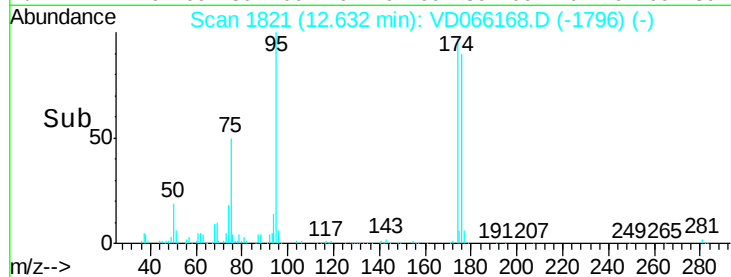
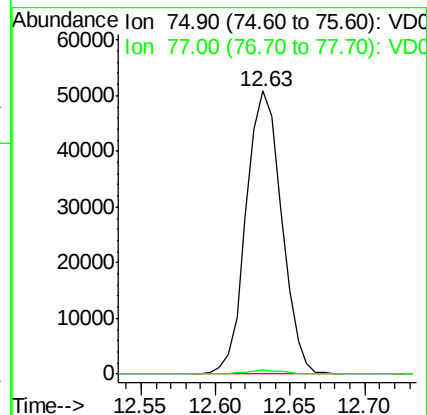
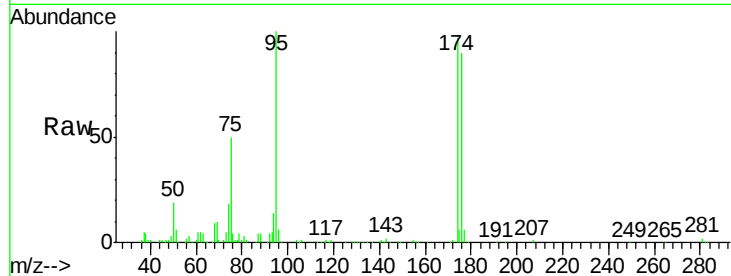
TP-3

Tot Ion: 75 Resp: 83753

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 112.057 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066168.D

Acq: 10 Aug 2020 16:57

Tgt Ion: 75 Resp: 83753

Ion Ratio Lower Upper

75 100

53 0.2 73.4 110.2#

89 0.0 36.6 55.0#

