

Data File : VD064167.D
Acq On : 08 Nov 2019 21:08
Operator : VA/SY
Sample : K5778-06
Misc : 6.48G/5.00ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-35-S2

Quant Time: Nov 09 01:49:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 08 16:20:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	716177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1090199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1040344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	522635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	312514	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
35) Dibromofluoromethane	7.92	113	326009	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	10.34	98	1280718	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
62) 4-Bromofluorobenzene	12.64	95	488311	59.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.46%	

Target Compounds

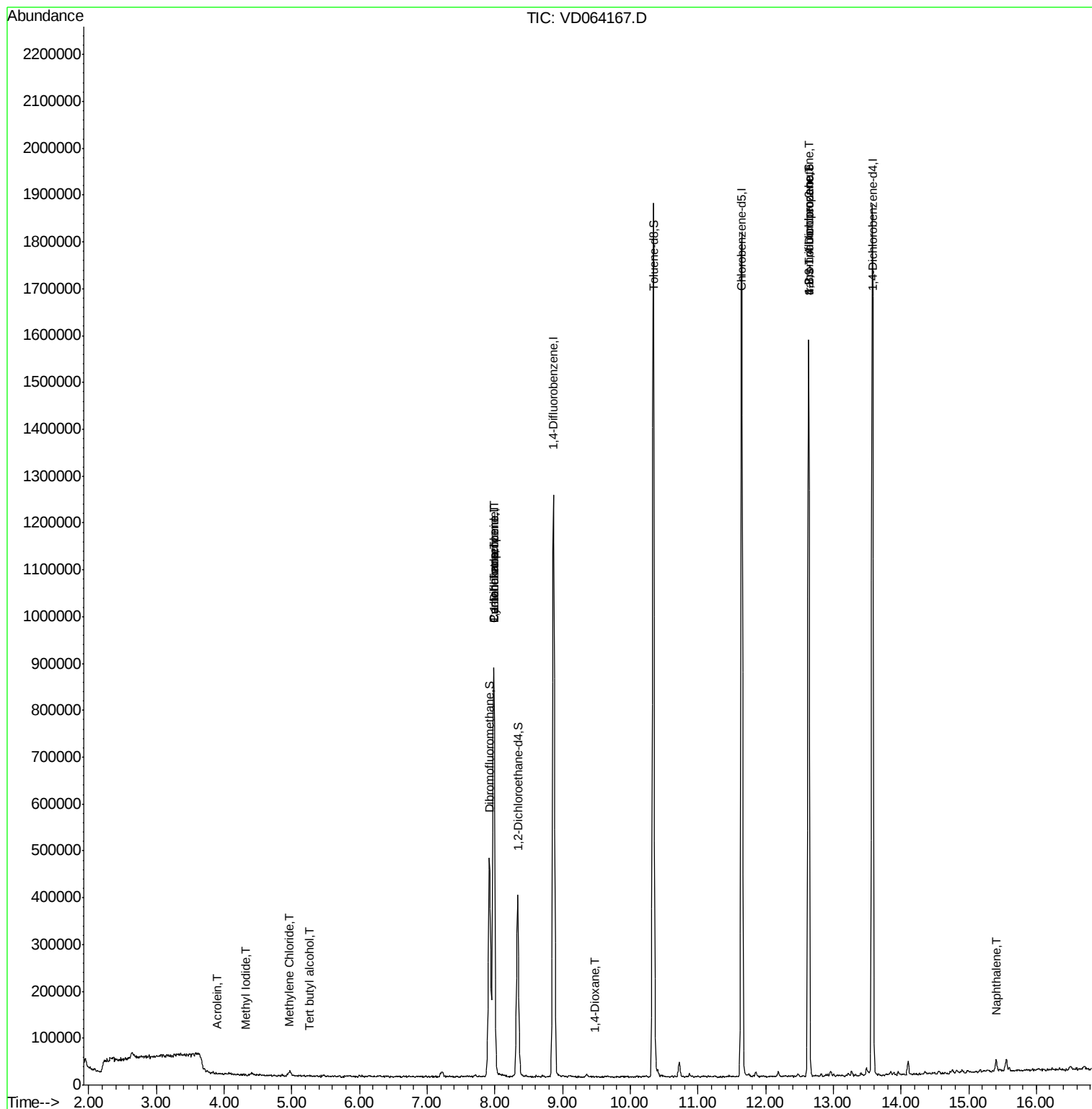
						Qvalue
10) Methyl Iodide	4.31	142	783	2.136	ug/l #	82
11) Tert butyl alcohol	5.26	59	1707	2.531	ug/l #	93
13) Acrolein	3.90	56	854	2.454	ug/l #	25
20) Methylene Chloride	4.96	84	7897	1.120	ug/l #	71
31) Cyclohexane	7.98	56	15103	1.306	ug/l #	37
36) 1,1-Dichloropropene	7.98	75	47645	4.735	ug/l #	49
38) Carbon Tetrachloride	7.98	117	65379	6.073	ug/l #	15
49) 1,4-Dioxane	9.48	88	55	1.278	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	253741	60.276	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	253741	119.731	ug/l #	10
95) Naphthalene	15.41	128	20419	1.103	ug/l	100

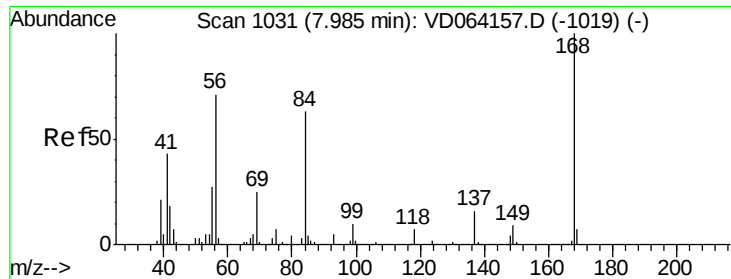
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064167.D

Acq: 08 Nov 2019 21:08

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MSVOA_D

ClientSampleId :

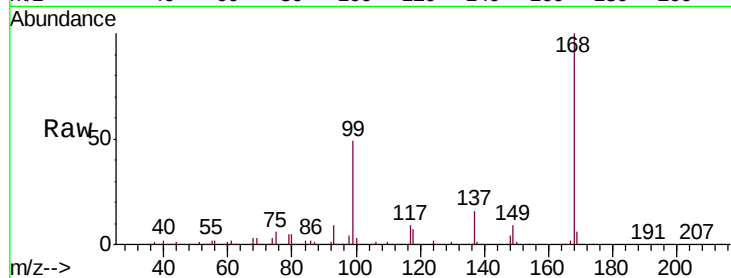
TP-35-S2

Tgt Ion:168 Resp: 716177

Ion Ratio Lower Upper

168 100

99 49.1 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

300000

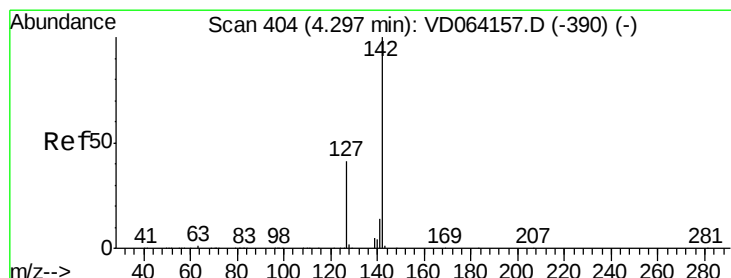
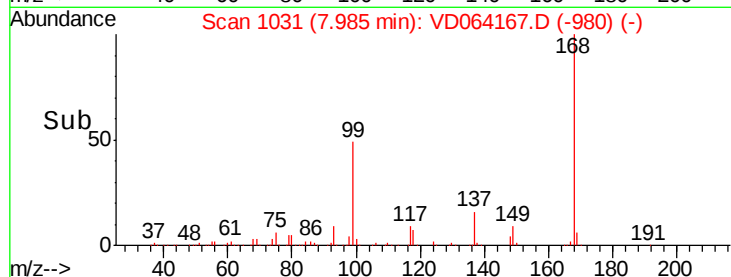
200000

100000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 2.136 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.02 min

Lab File: VD064167.D

Acq: 08 Nov 2019 21:08

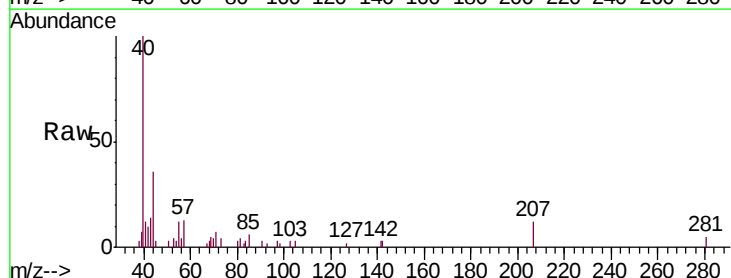
Tgt Ion:142 Resp: 783

Ion Ratio Lower Upper

142 100

127 31.2 34.4 51.6#

141 6.9 11.2 16.8#



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

4.31

600

500

400

300

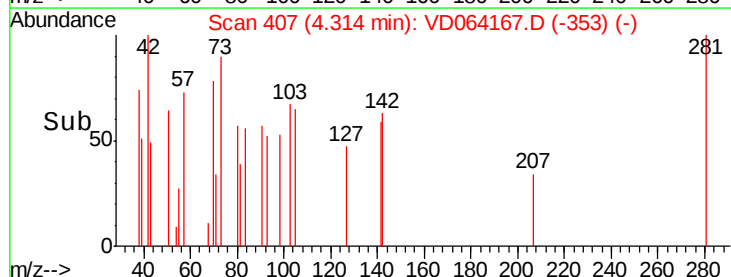
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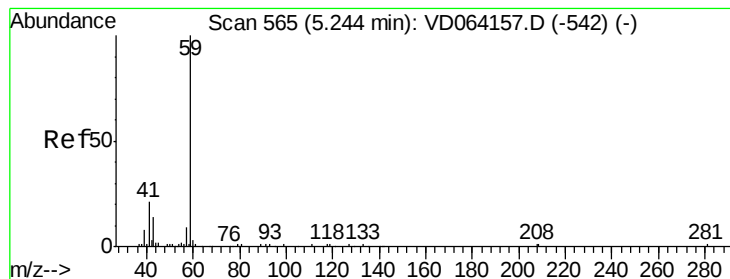
100

0

Time-->

4.25 4.30 4.35



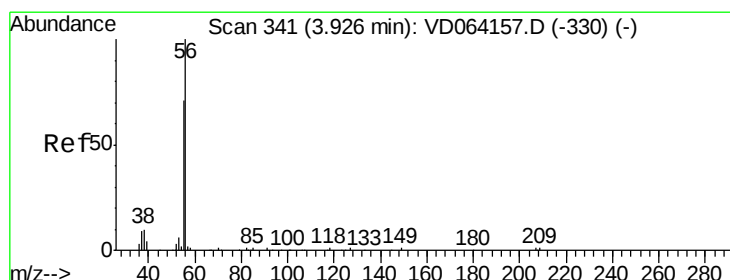
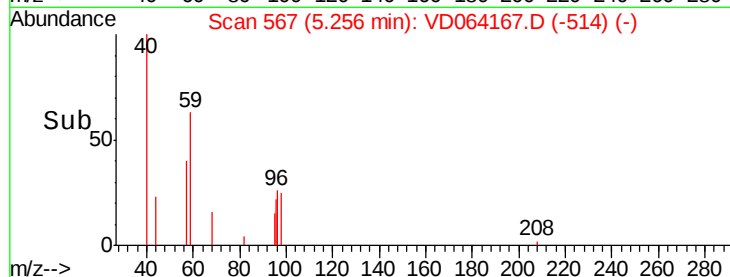
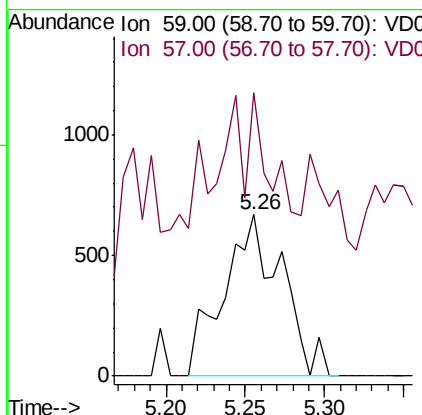
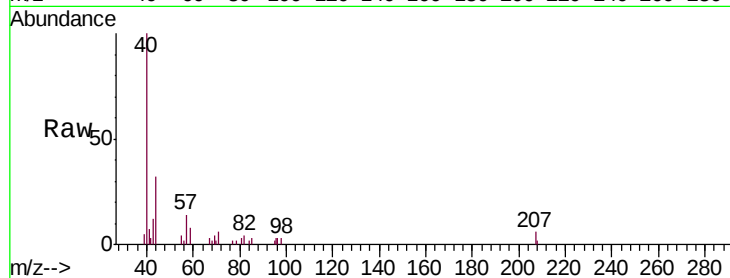


#11

Tert butyl alcohol
 Concen: 2.531 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064167.D
 Acq: 08 Nov 2019 21:08

Instrument :
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 ClientSampleId :
 TP-35-S2

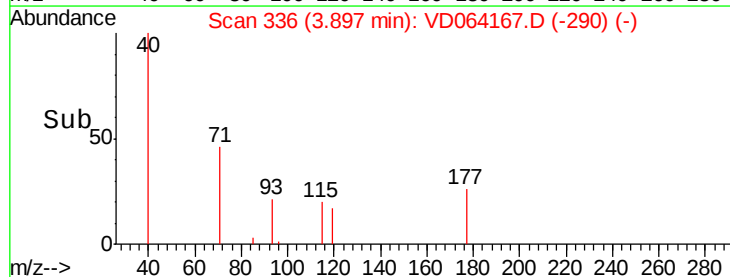
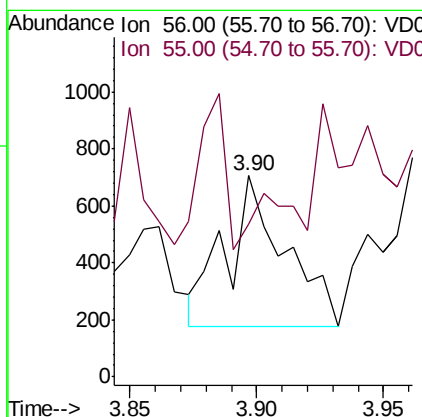
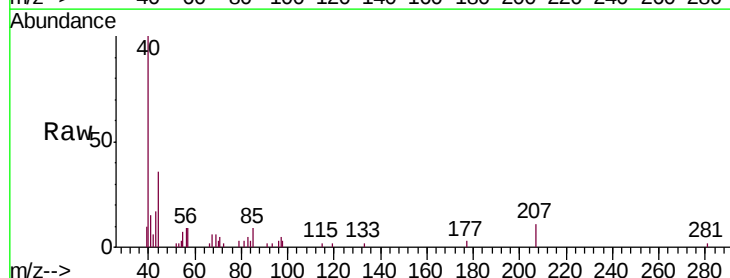
Tgt Ion: 59 Resp: 1707
 Ion Ratio Lower Upper
 59 100
 57 14.5 9.4 14.2#

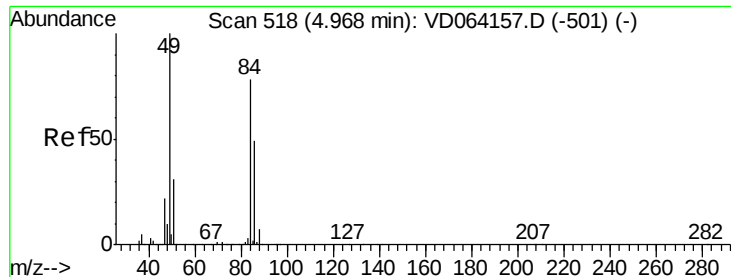


#13

Acrolein
 Concen: 2.454 ug/l
 RT: 3.90 min Scan# 336
 Delta R.T. -0.03 min
 Lab File: VD064167.D
 Acq: 08 Nov 2019 21:08

Tgt Ion: 56 Resp: 854
 Ion Ratio Lower Upper
 56 100
 55 8.8 56.1 84.1#

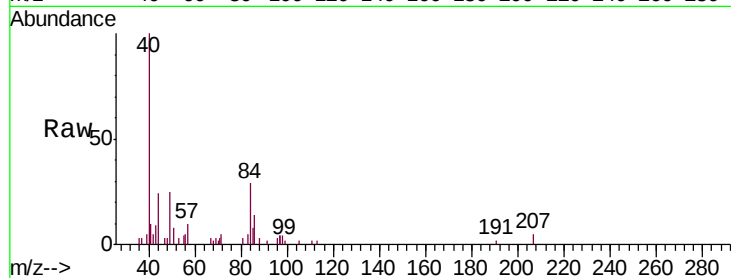




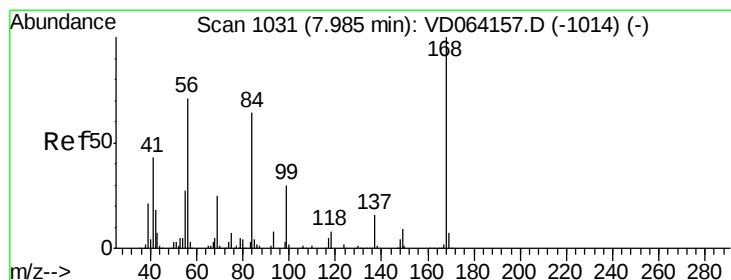
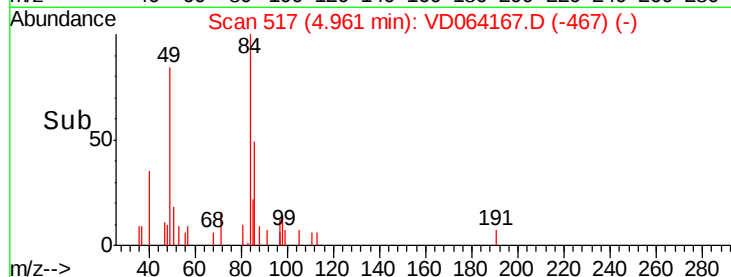
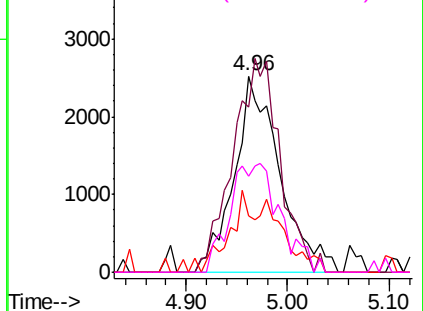
#20
Methylene Chloride
Concen: 1.120 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064167.D
Acq: 08 Nov 2019 21:08

Instrument :
MSVOA_D
ClientSampleId :
TP-35-S2

Tgt Ion: 84 Resp: 7897
Ion Ratio Lower Upper
84 100
49 84.4 102.1 153.1#
51 28.9 32.2 48.2#
86 49.0 49.9 74.9#

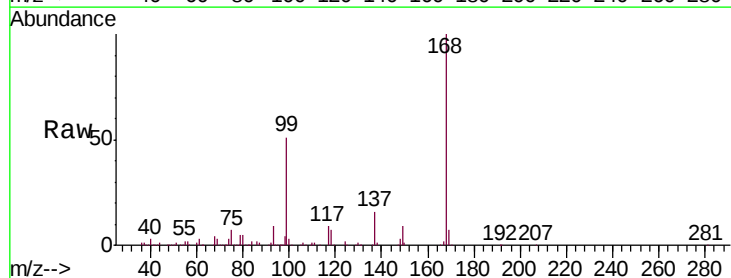


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

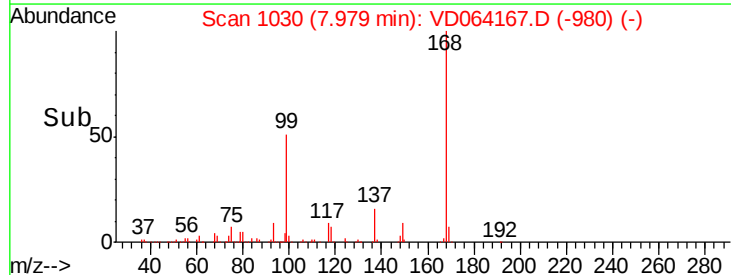
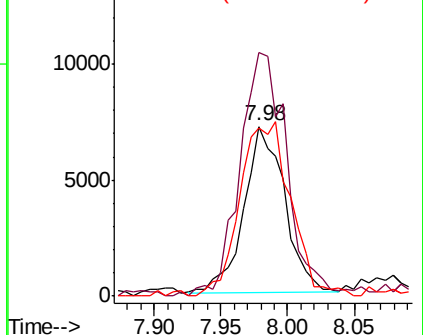


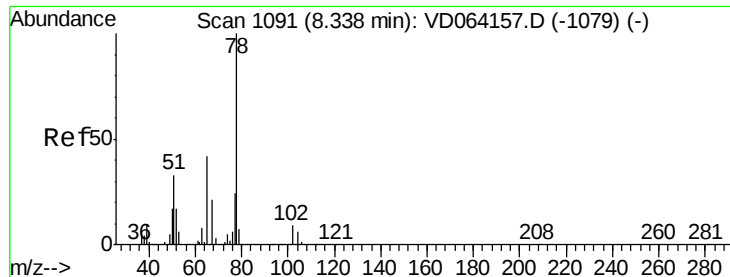
#31
Cyclohexane
Concen: 1.306 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064167.D
Acq: 08 Nov 2019 21:08

Tgt Ion: 56 Resp: 15103
Ion Ratio Lower Upper
56 100
69 147.0 28.2 42.4#
84 101.2 71.8 107.6



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

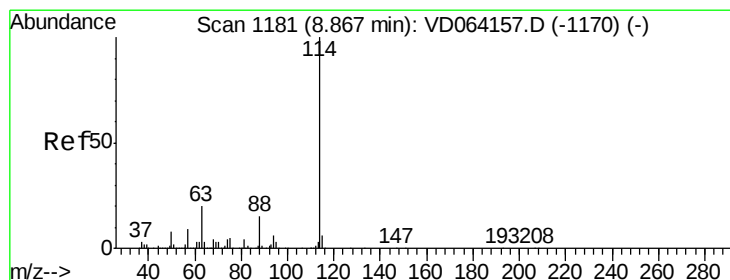
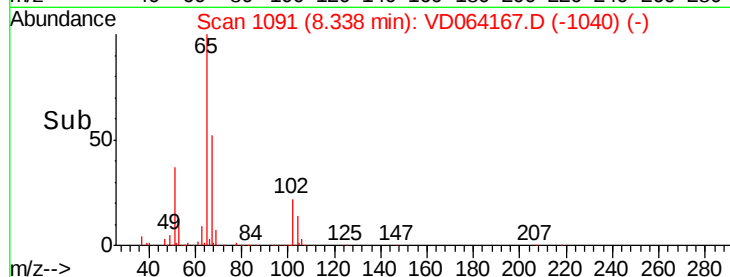
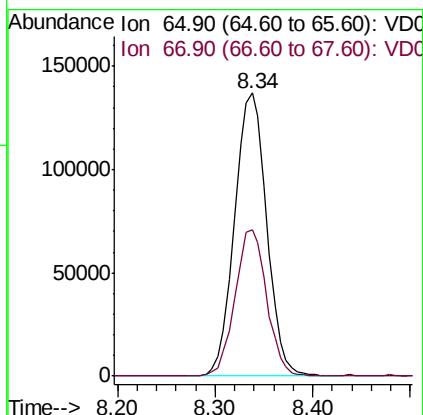
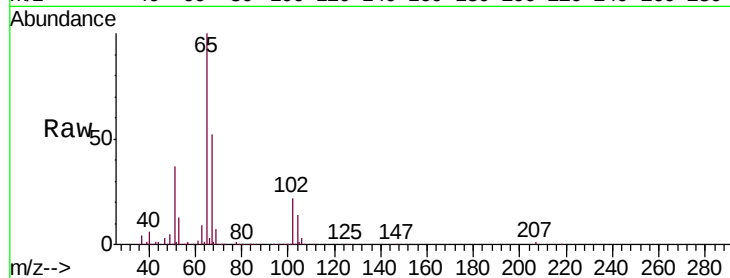




#33
 1,2-Dichloroethane-d4
 Concen: 53.057 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064167.D
 Acq: 08 Nov 2019 21:08

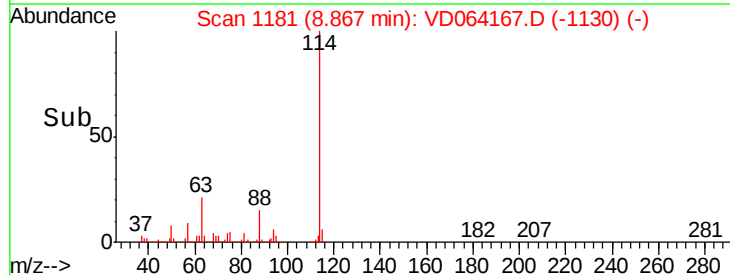
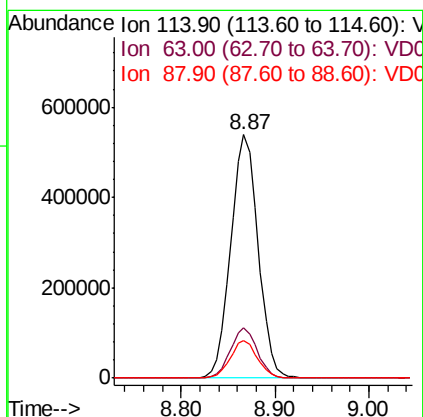
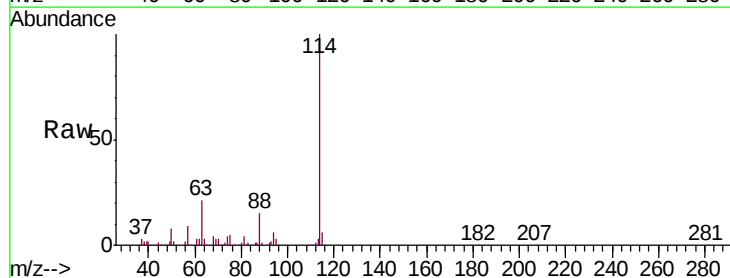
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-35-S2

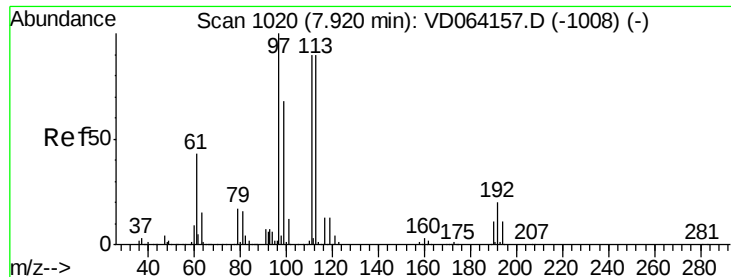
Tgt Ion: 65 Resp: 312514
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064167.D
 Acq: 08 Nov 2019 21:08

Tgt Ion: 114 Resp: 1090199
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.0
 88 15.4 0.0 30.2

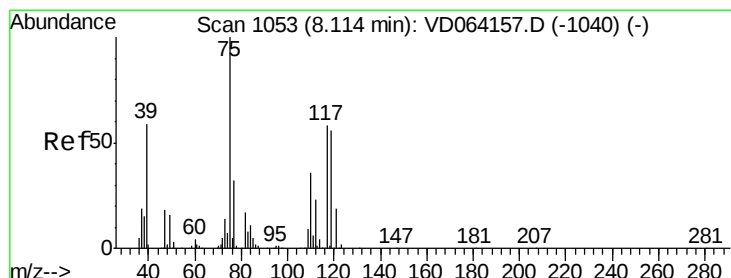
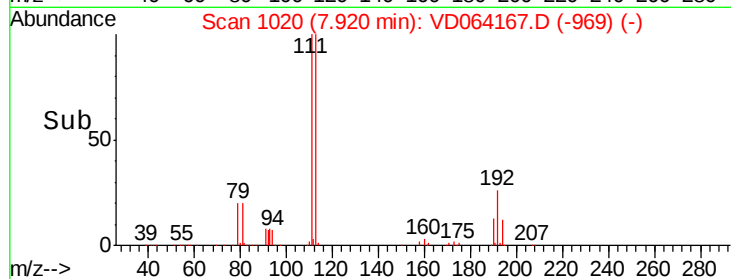
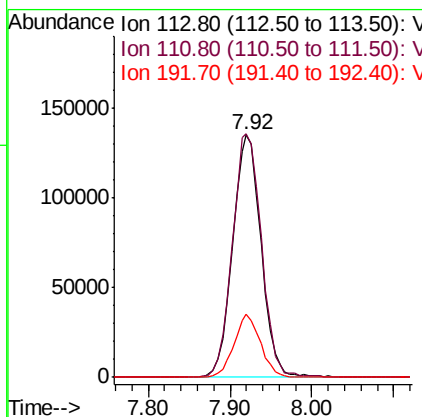
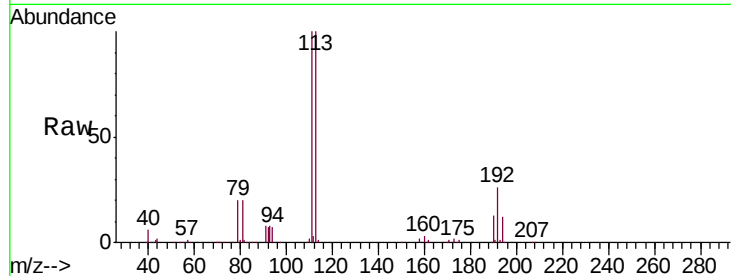




#35
 Dibromofluoromethane
 Concen: 52.095 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064167.D
 Acq: 08 Nov 2019 21:08

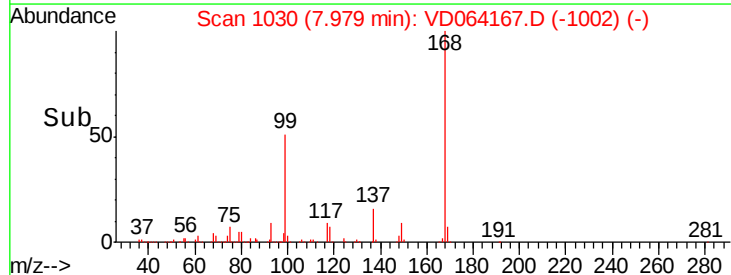
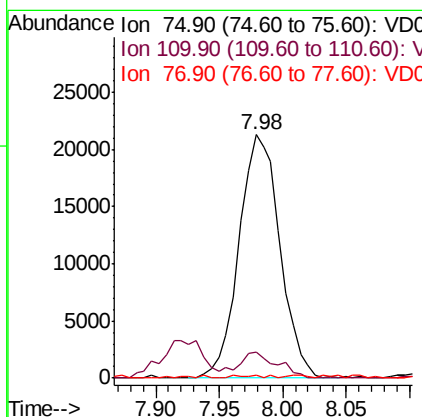
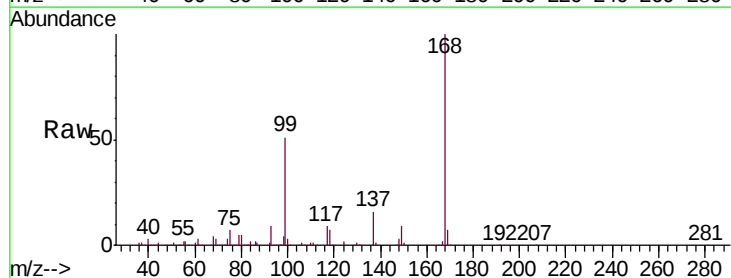
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-35-S2

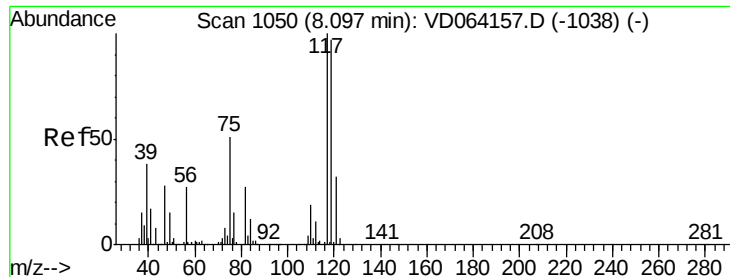
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.5	122.3
192	24.2	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.735 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064167.D
 Acq: 08 Nov 2019 21:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.3	54.9#
77	0.6	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 6.073 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064167.D

Acq: 08 Nov 2019 21:08

Instrument :

MSVOA_D

ClientSampled :

TP-35-S2

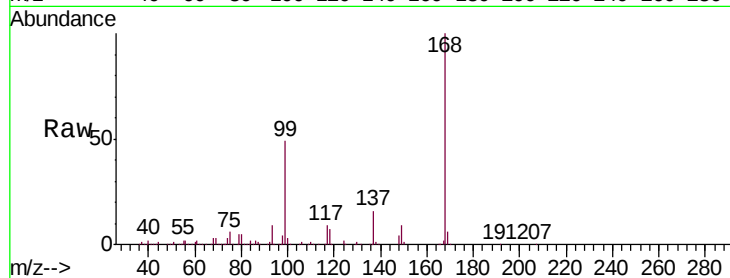
Tgt Ion: 117 Resp: 65379

Ion Ratio Lower Upper

117 100

119 4.6 77.2 115.8#

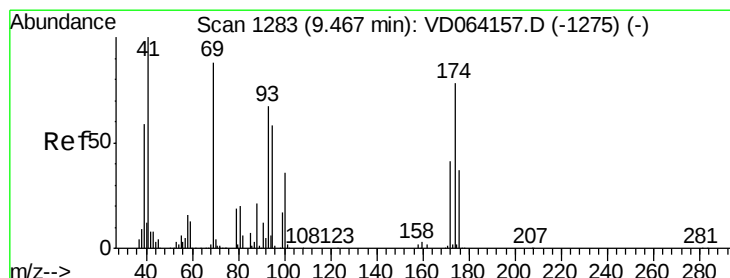
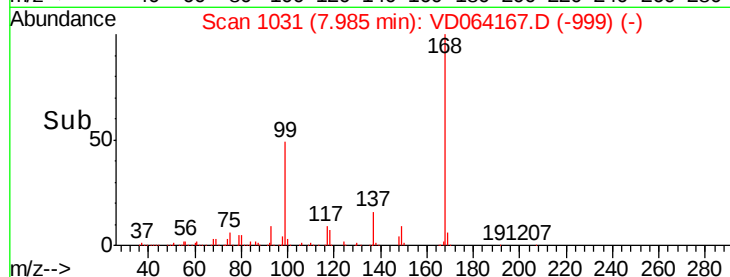
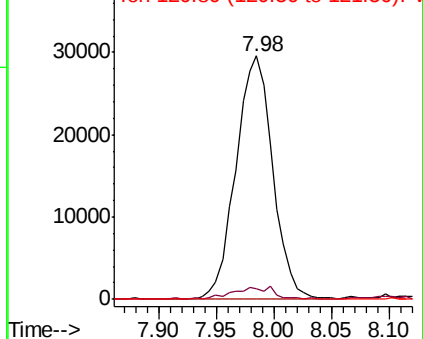
121 0.0 25.5 38.3#



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



#49

1,4-Dioxane

Concen: 1.278 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD064167.D

Acq: 08 Nov 2019 21:08

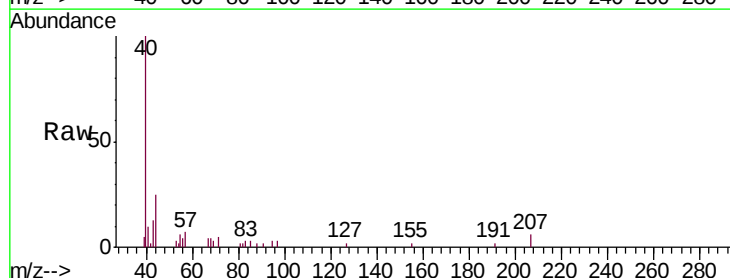
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 930.9 29.8 44.8#

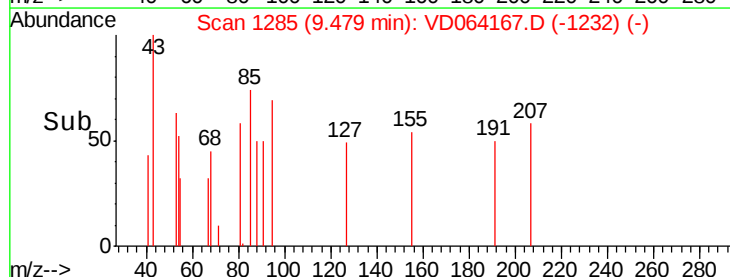
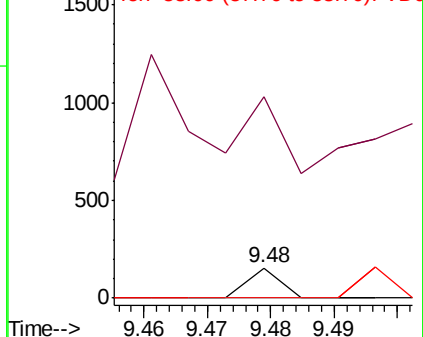
58 0.0 58.1 87.1#

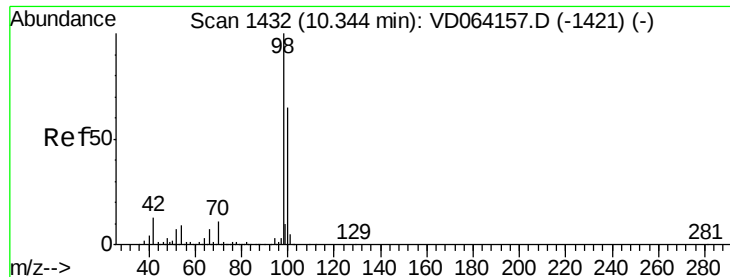


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

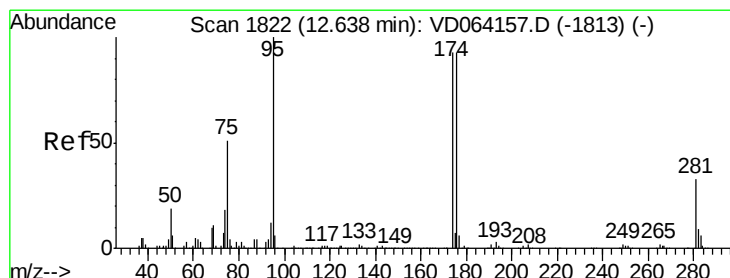
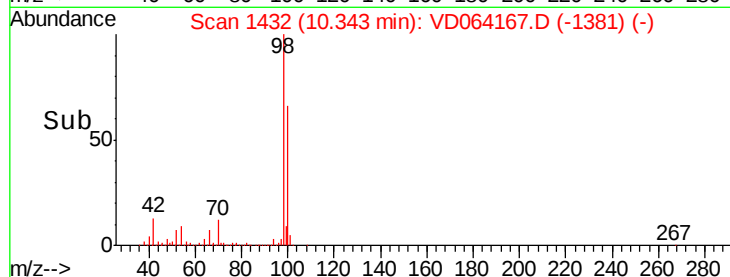
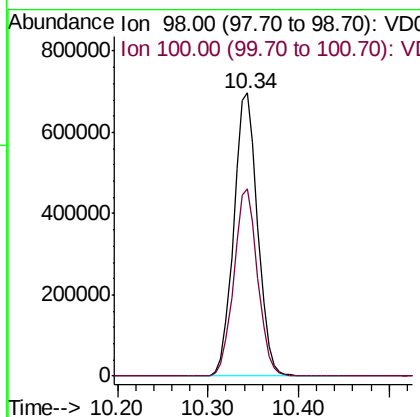
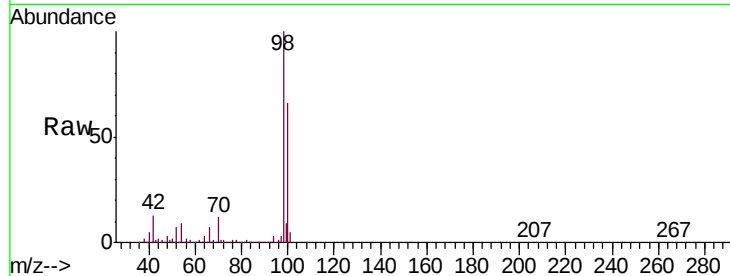




#50
Toluene-d8
Concen: 54.250 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064167.D
Acq: 08 Nov 2019 21:08

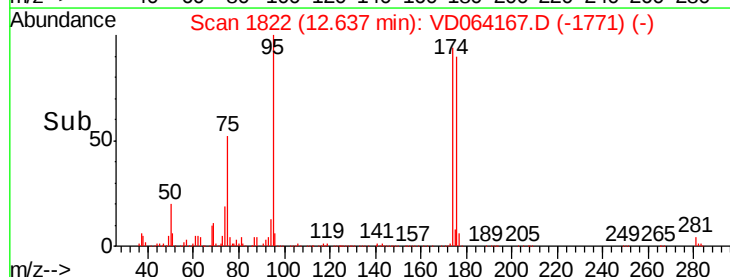
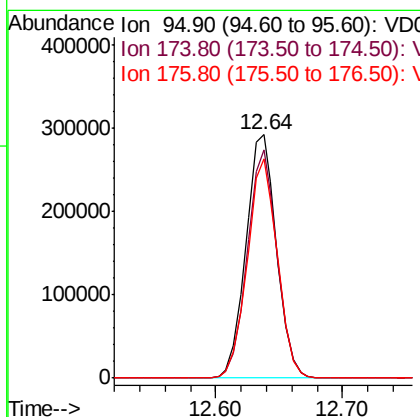
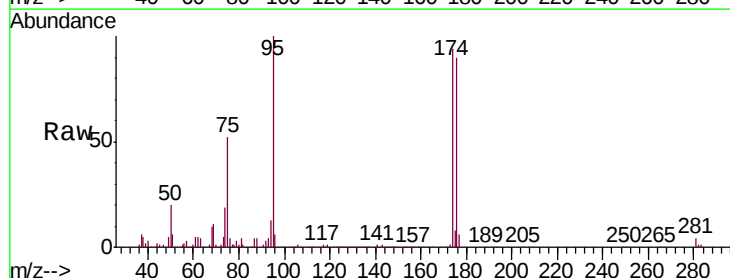
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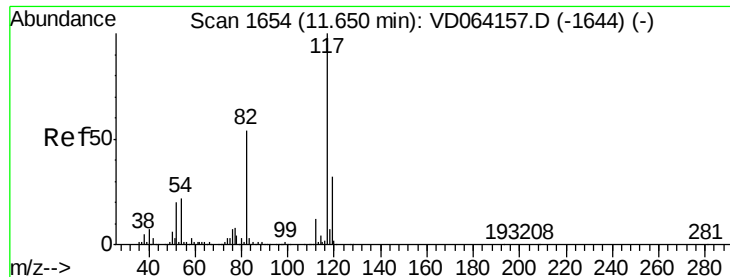
Tgt Ion: 98 Resp: 1280718
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 59.729 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064167.D
Acq: 08 Nov 2019 21:08

Tgt Ion: 95 Resp: 488311
Ion Ratio Lower Upper
95 100
174 91.5 0.0 183.6
176 88.7 0.0 180.2

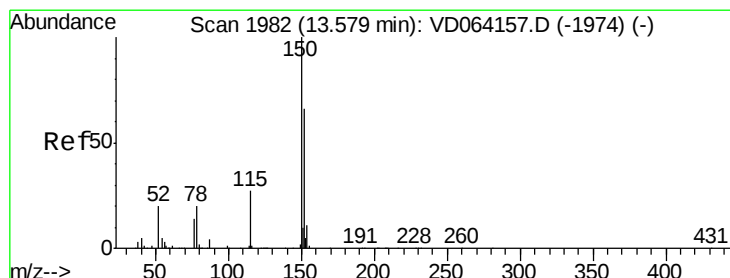
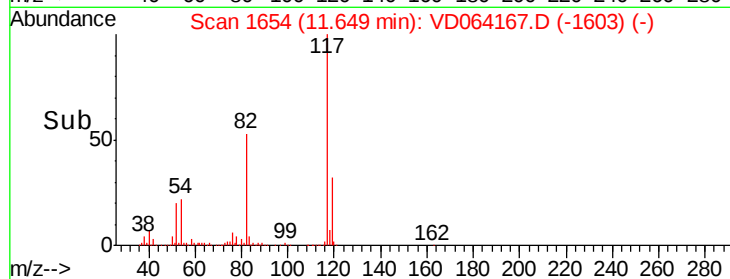
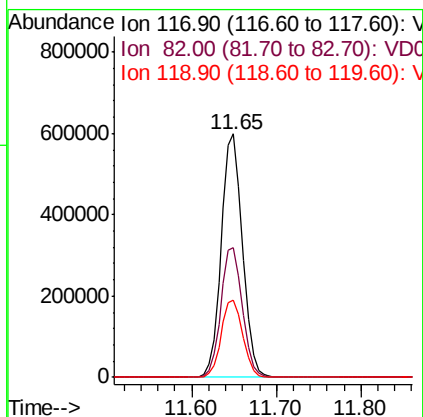
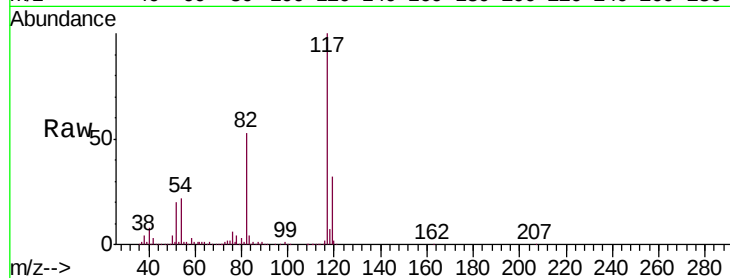




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064167.D
Acq: 08 Nov 2019 21:08

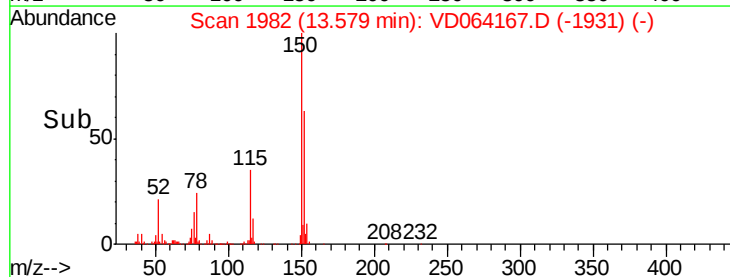
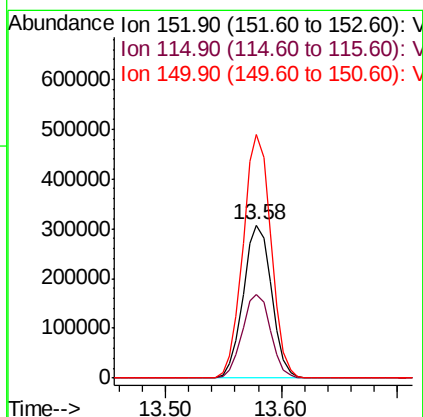
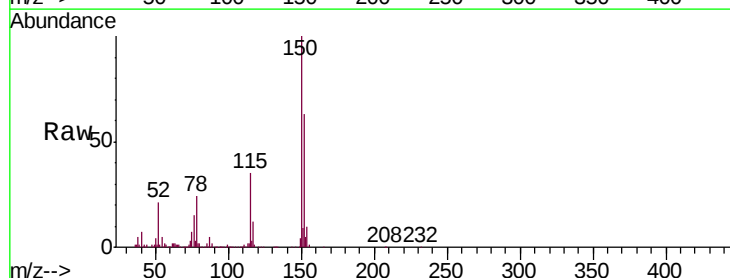
Instrument :
MSVOA_D
ClientSampleId :
TP-35-S2

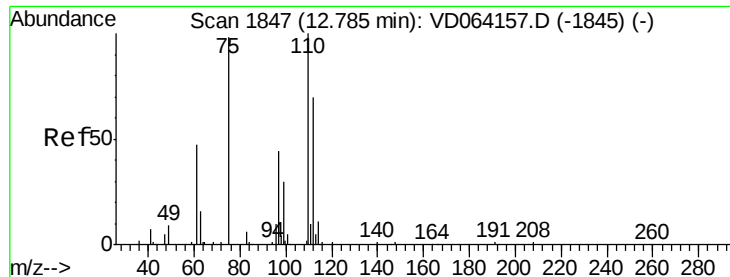
Tgt Ion:117 Resp: 1040344
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 31.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD064167.D
Acq: 08 Nov 2019 21:08

Tgt Ion:152 Resp: 522635
Ion Ratio Lower Upper
152 100
115 54.7 27.4 82.2
150 157.6 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 60.276 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064167.D

Acq: 08 Nov 2019 21:08

Instrument :

MSVOA_D

ClientSampleId :

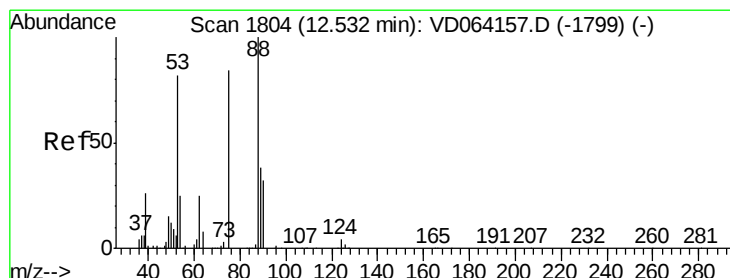
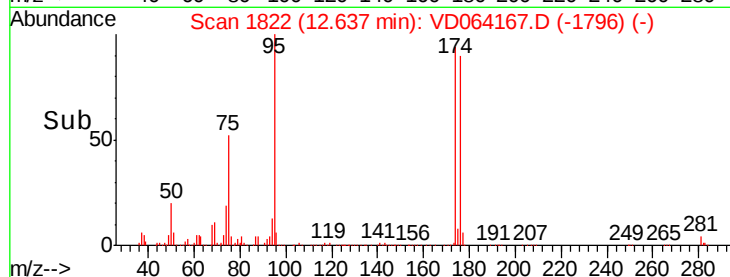
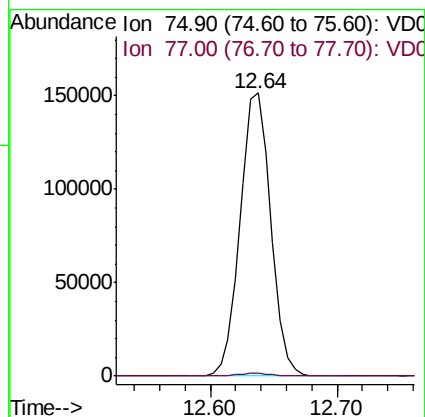
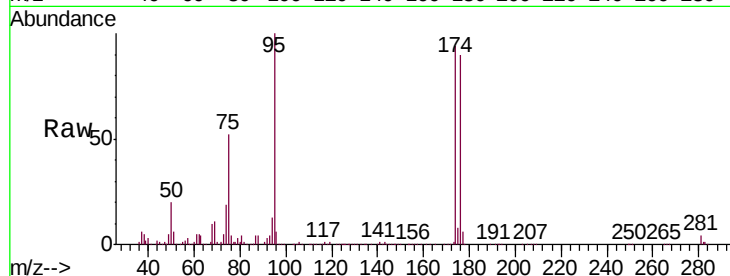
TP-35-S2

Tgt Ion: 75 Resp: 253741

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 119.731 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064167.D

Acq: 08 Nov 2019 21:08

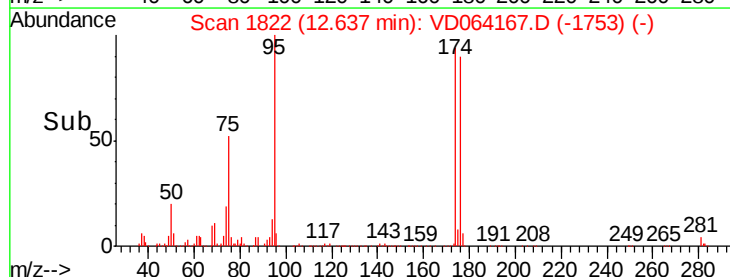
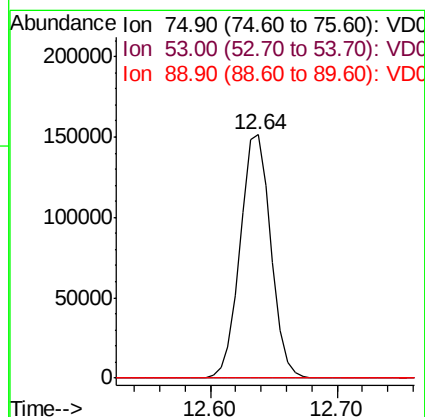
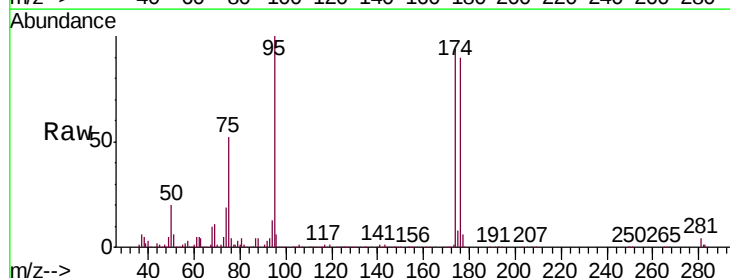
Tgt Ion: 75 Resp: 253741

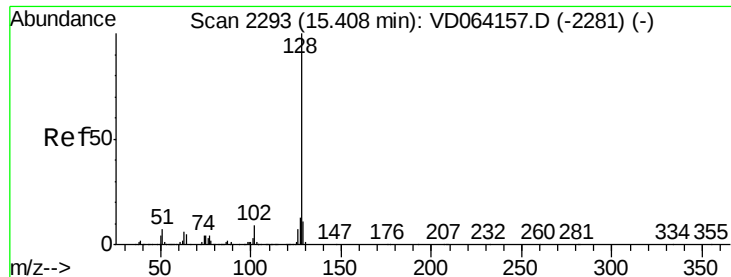
Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 36.6 55.0#

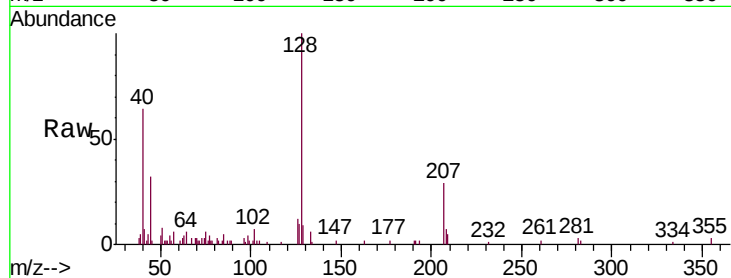




#95
 Naphthalene
 Concen: 1.103 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VD064167.D
 Acq: 08 Nov 2019 21:08

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-35-S2

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.6	13.0



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

