

Data File : VD064225.D
Acq On : 15 Nov 2019 14:09
Operator : VA/SY
Sample : K5862-02
Misc : 5.48G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-13A-S2

Quant Time: Nov 16 04:51:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	969085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1457752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1332845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	663634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	435767	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
35) Dibromofluoromethane	7.92	113	443904	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
50) Toluene-d8	10.34	98	1713718	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
62) 4-Bromofluorobenzene	12.64	95	579179	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	

Target Compounds

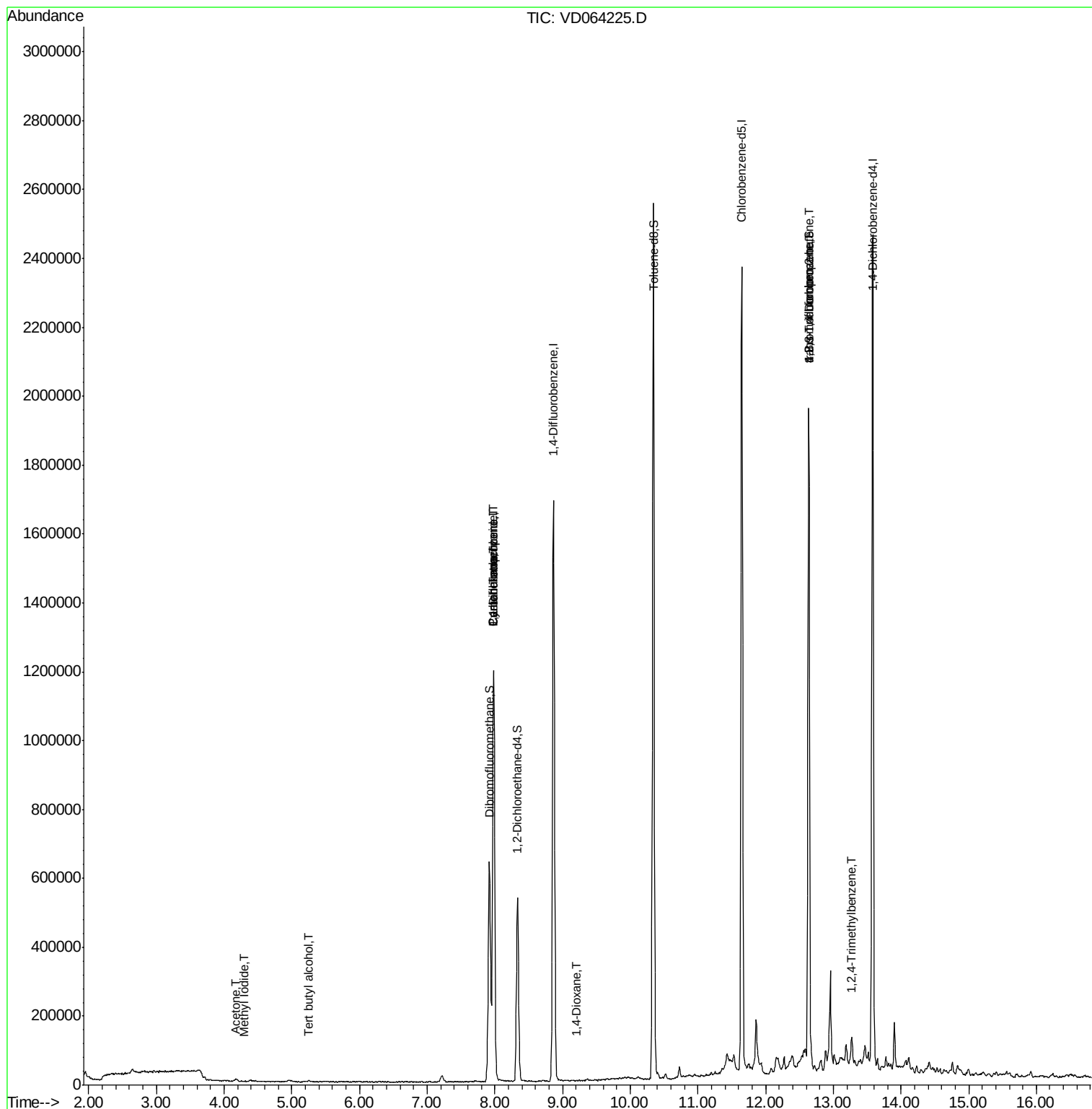
						Qvalue
10) Methyl Iodide	4.30	142	720	2.102	ug/l #	52
11) Tert butyl alcohol	5.24	59	5041	9.055	ug/l #	75
16) Acetone	4.17	43	10026	5.310	ug/l #	81
31) Cyclohexane	7.98	56	19304	1.234	ug/l #	11
36) 1,1-Dichloropropene	7.98	75	65477	4.867	ug/l #	49
38) Carbon Tetrachloride	7.98	117	88455	6.144	ug/l #	15
49) 1,4-Dioxane	9.20	88	60	1.043	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	306521	57.343	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	306521	113.906	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.27	105	45151	1.143	ug/l	97

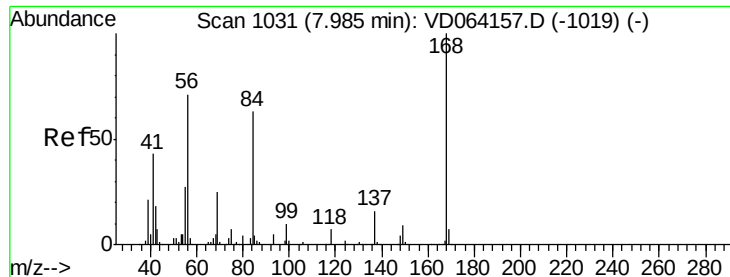
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064225.D

Acq: 15 Nov 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

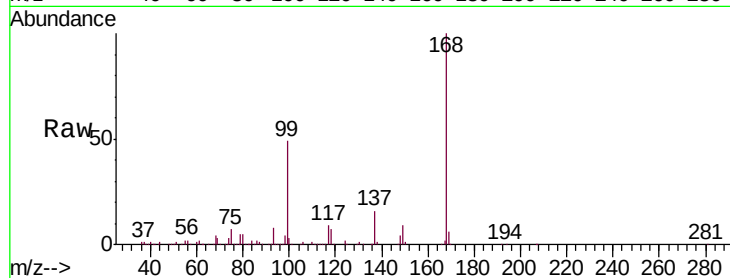
TP-13A-S2

Tgt Ion:168 Resp: 969085

Ion Ratio Lower Upper

168 100

99 49.2 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

400000

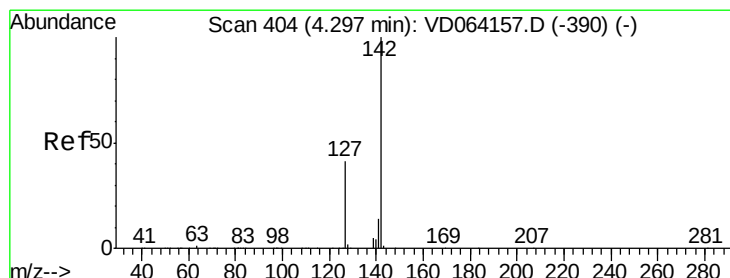
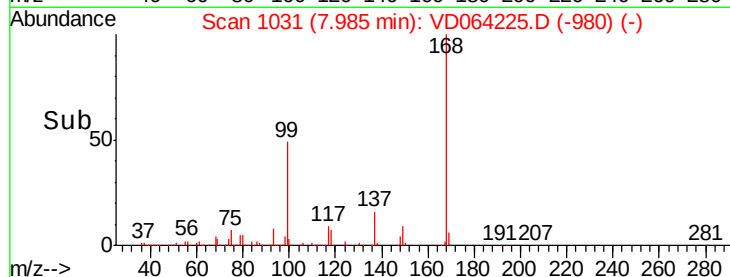
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.102 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064225.D

Acq: 15 Nov 2019 14:09

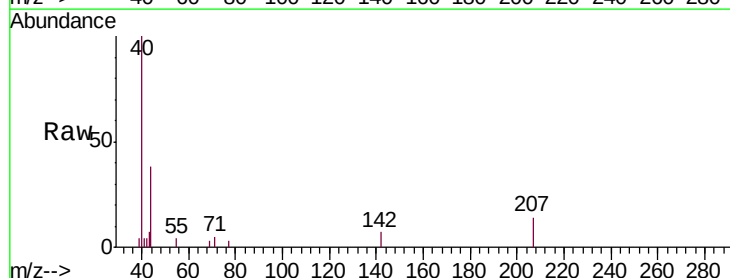
Tgt Ion:142 Resp: 720

Ion Ratio Lower Upper

142 100

127 9.3 34.4 51.6#

141 0.0 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

4.30

400

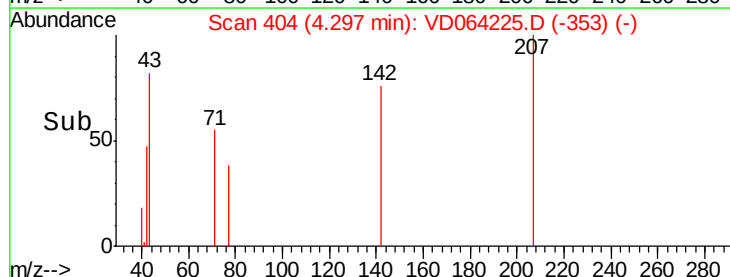
300

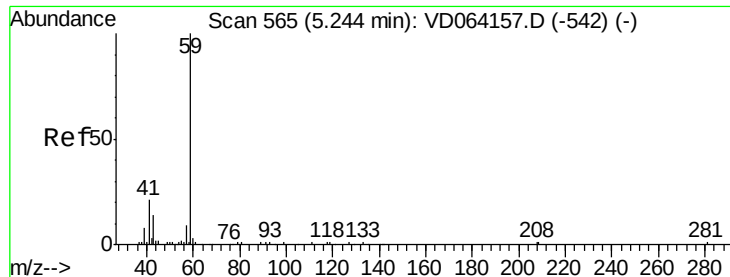
200

100

0

Time-->

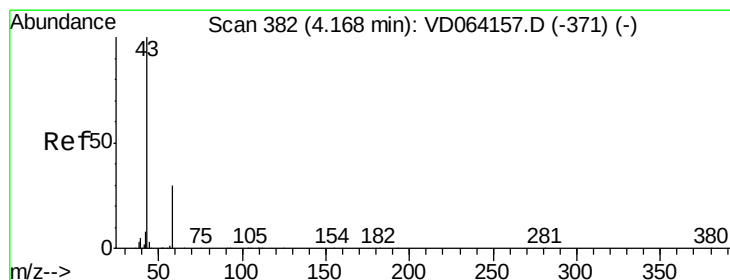
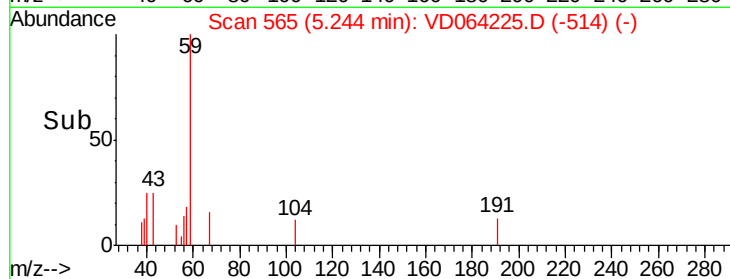
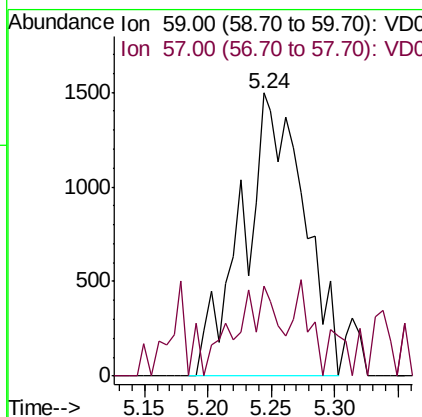
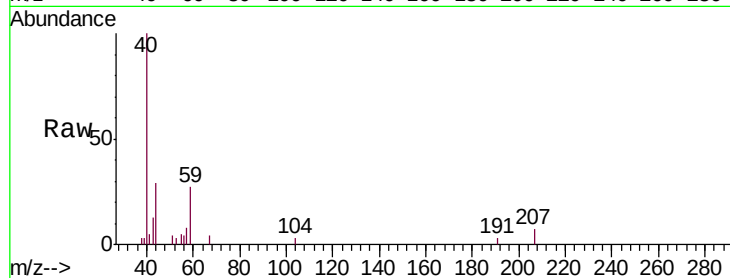




#11
Tert butyl alcohol
Concen: 9.055 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064225.D
Acq: 15 Nov 2019 14:09

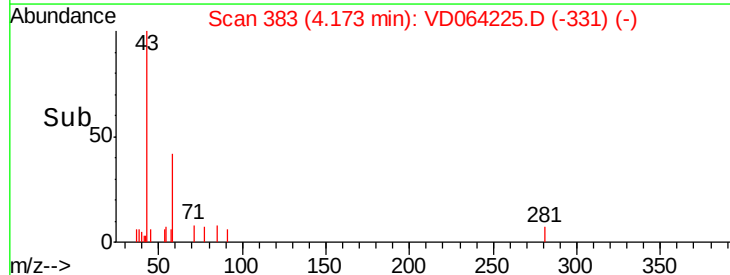
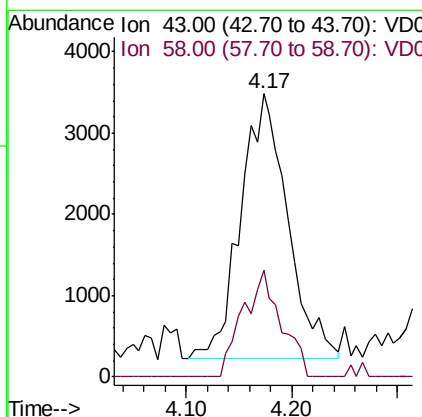
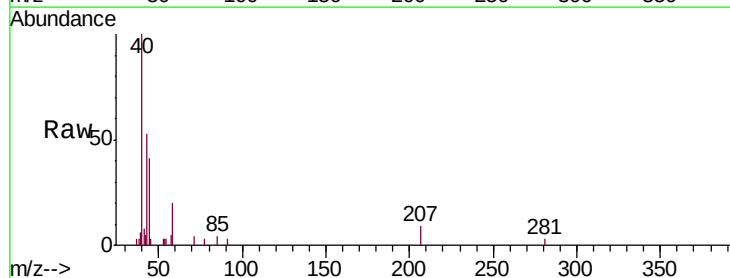
Instrument :
MSVOA_D
ClientSampleId :
TP-13A-S2

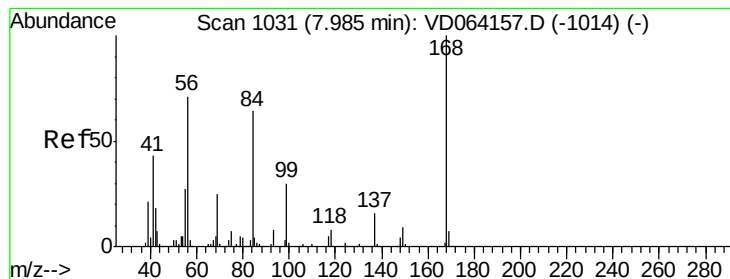
Tgt Ion: 59 Resp: 5041
Ion Ratio Lower Upper
59 100
57 21.6 9.4 14.2#



#16
Acetone
Concen: 5.310 ug/l
RT: 4.17 min Scan# 383
Delta R.T. 0.01 min
Lab File: VD064225.D
Acq: 15 Nov 2019 14:09

Tgt Ion: 43 Resp: 10026
Ion Ratio Lower Upper
43 100
58 40.6 24.1 36.1#





#31

Cyclohexane

Concen: 1.234 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064225.D

Acq: 15 Nov 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

TP-13A-S2

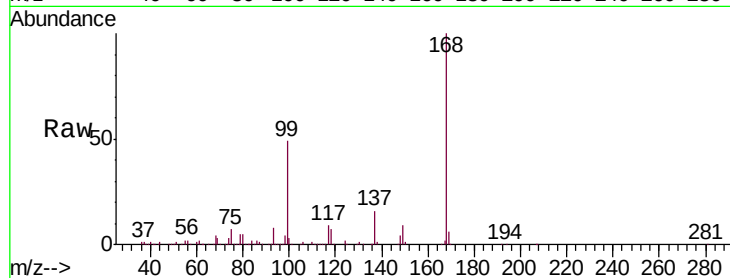
Tgt Ion: 56 Resp: 19304

Ion Ratio Lower Upper

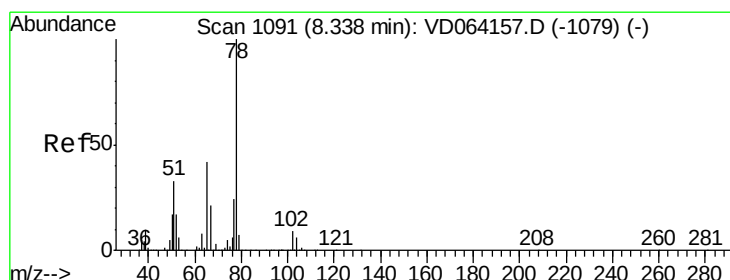
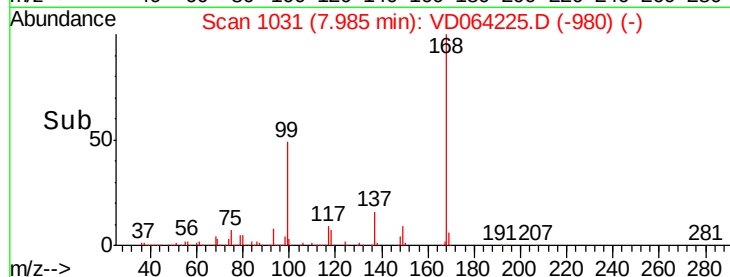
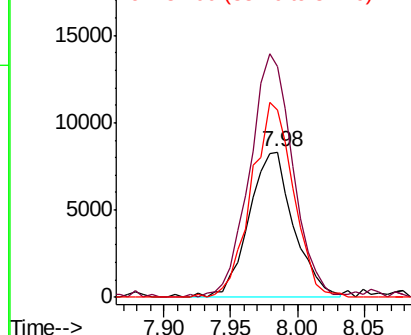
56 100

69 157.1 28.2 42.4#

84 129.0 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: 54.675 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064225.D

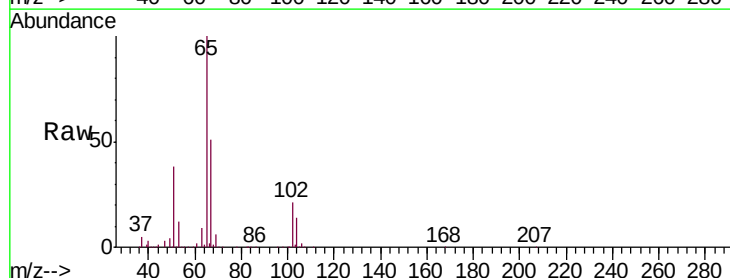
Acq: 15 Nov 2019 14:09

Tgt Ion: 65 Resp: 435767

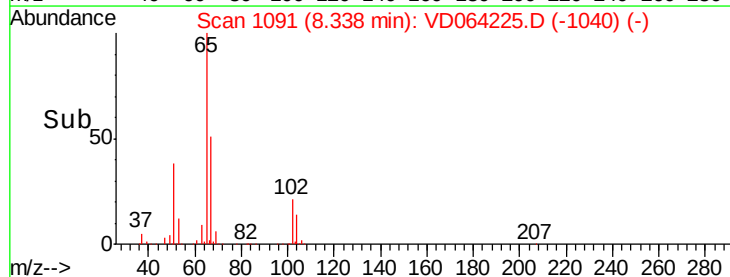
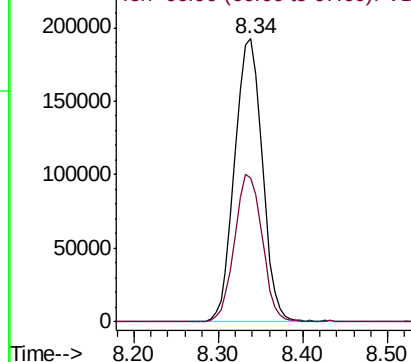
Ion Ratio Lower Upper

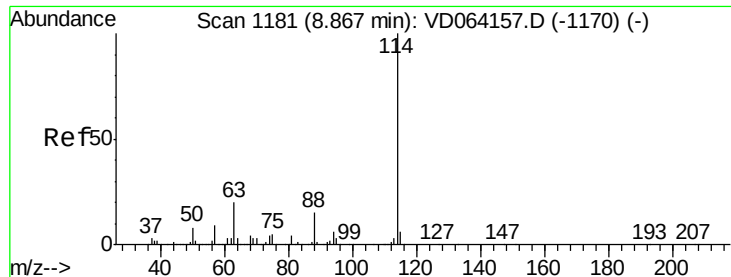
65 100

67 52.1 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

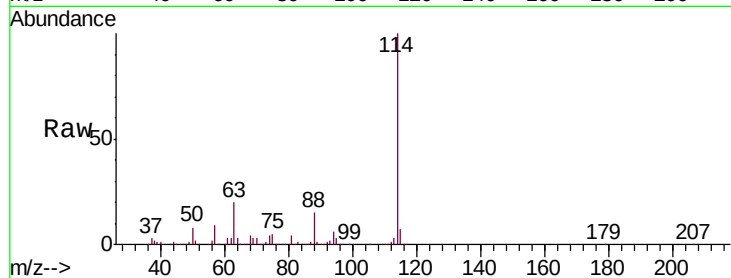




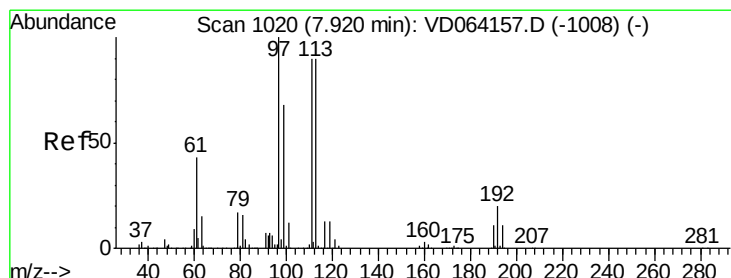
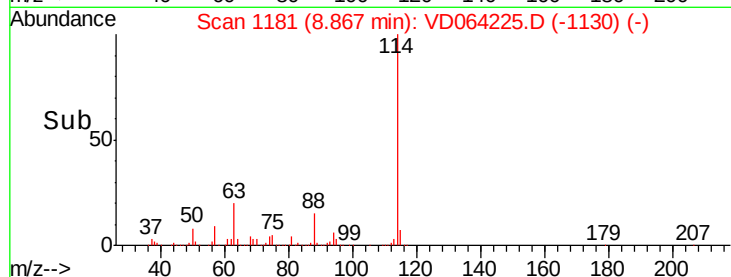
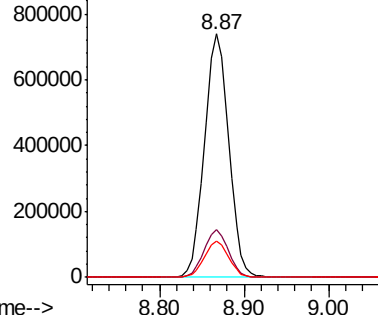
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064225.D
 Acq: 15 Nov 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-13A-S2

Tgt Ion:114 Resp: 1457752
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 14.9 0.0 30.2

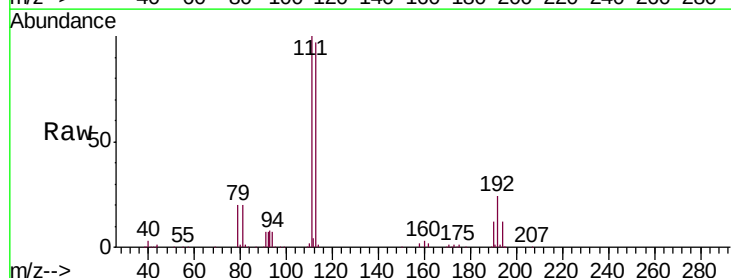


Abundance Ion 113.90 (113.60 to 114.60): V
 1000000 Ion 63.00 (62.70 to 63.70): V
 800000 Ion 87.90 (87.60 to 88.60): V

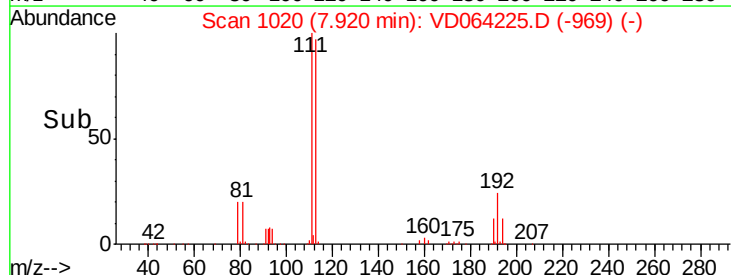
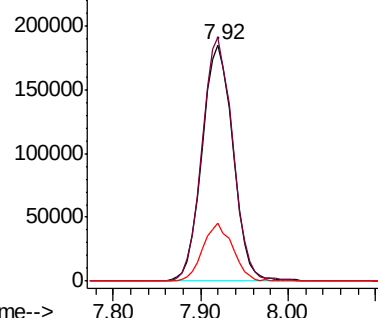


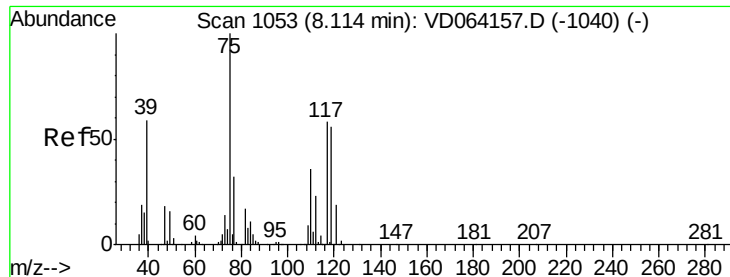
#35
 Dibromofluoromethane
 Concen: 53.049 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064225.D
 Acq: 15 Nov 2019 14:09

Tgt Ion:113 Resp: 443904
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.5 122.3
 192 23.9 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V
 250000 Ion 110.80 (110.50 to 111.50): V
 200000 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.867 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064225.D

Acq: 15 Nov 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

TP-13A-S2

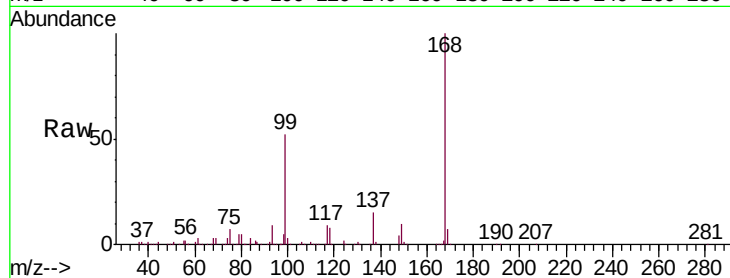
Tgt Ion: 75 Resp: 65477

Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.9#

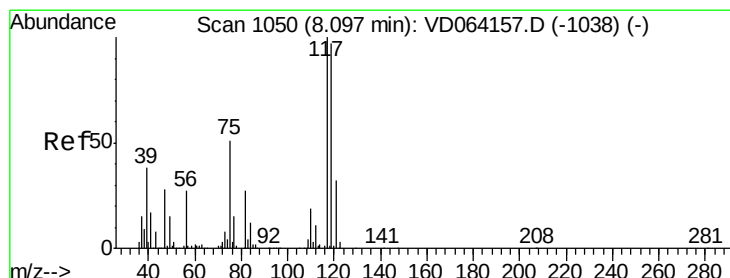
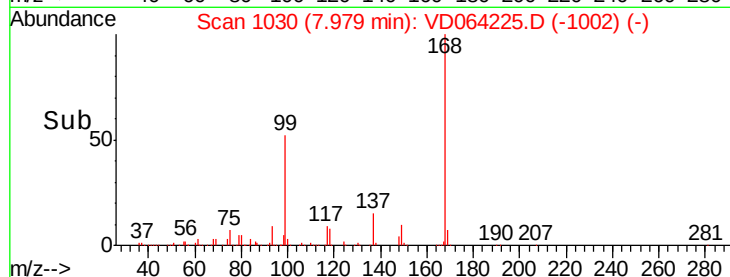
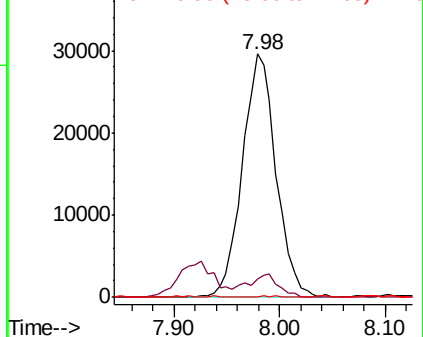
77 0.1 25.0 37.6#



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: 6.144 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064225.D

Acq: 15 Nov 2019 14:09

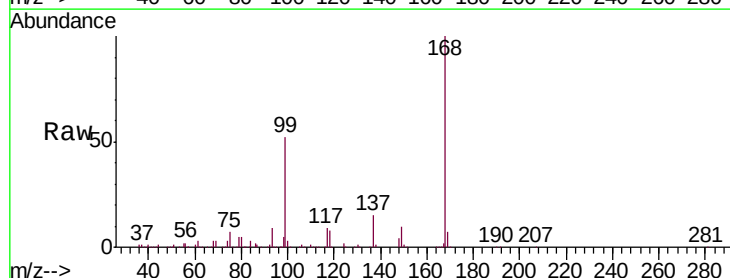
Tgt Ion: 117 Resp: 88455

Ion Ratio Lower Upper

117 100

119 3.9 77.2 115.8#

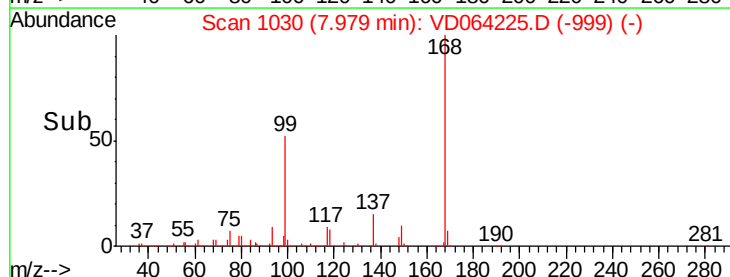
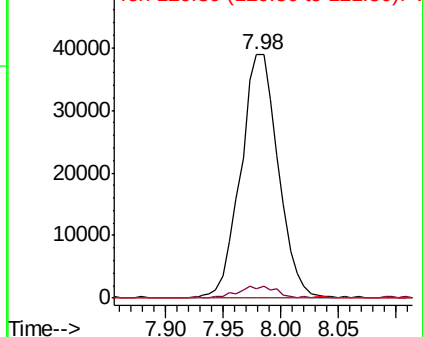
121 0.0 25.5 38.3#

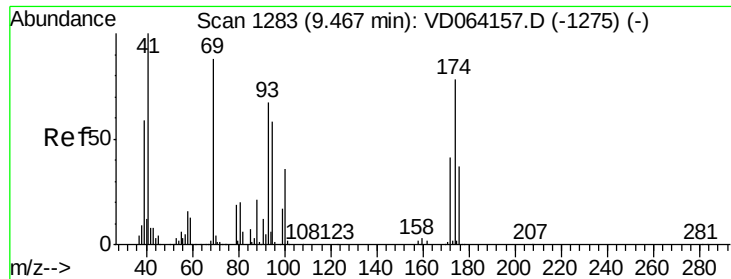


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

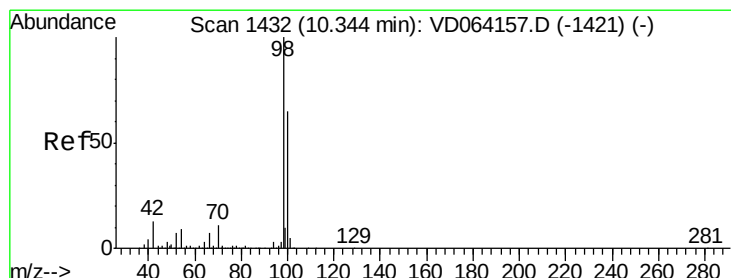
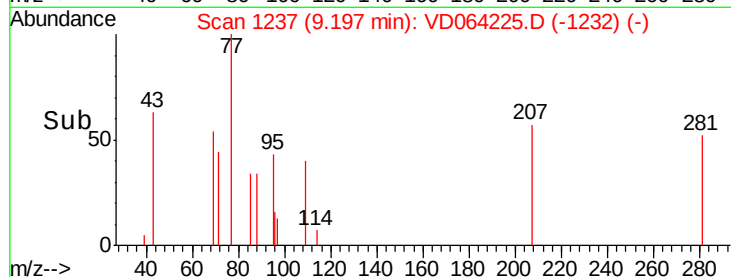
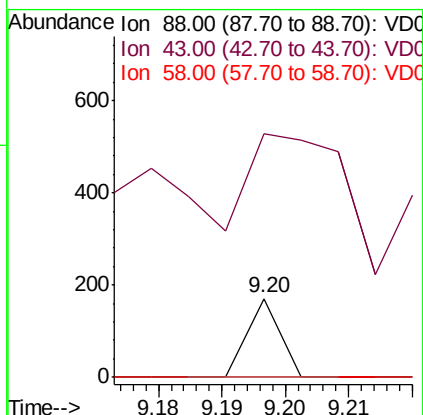
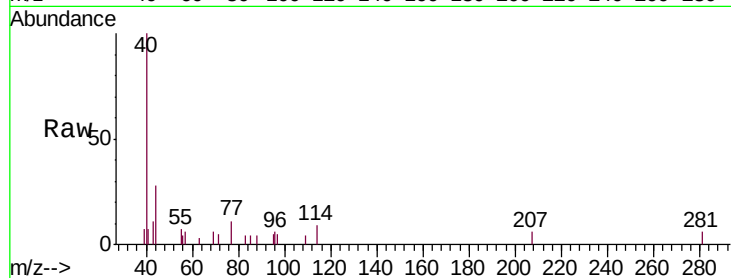




#49
1,4-Dioxane
Concen: 1.043 ug/l
RT: 9.20 min Scan# 1237
Delta R.T. -0.27 min
Lab File: VD064225.D
Acq: 15 Nov 2019 14:09

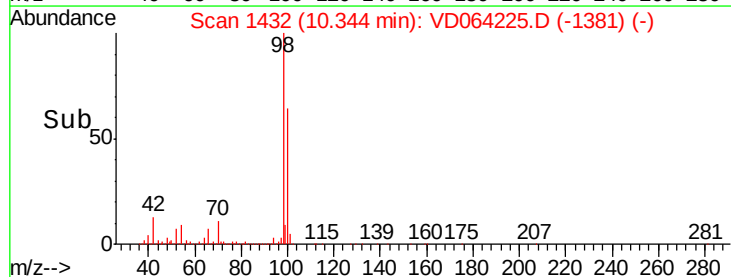
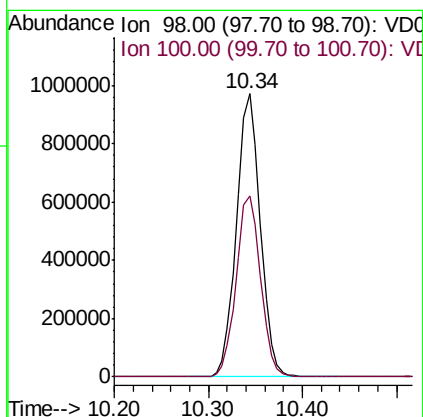
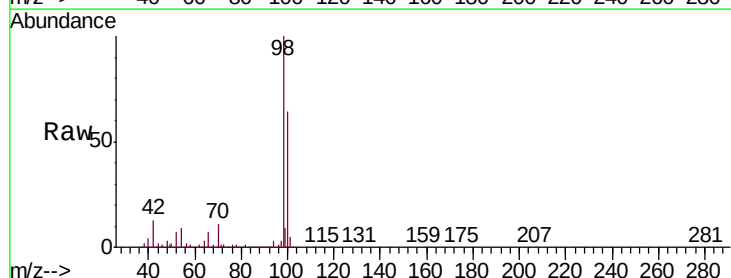
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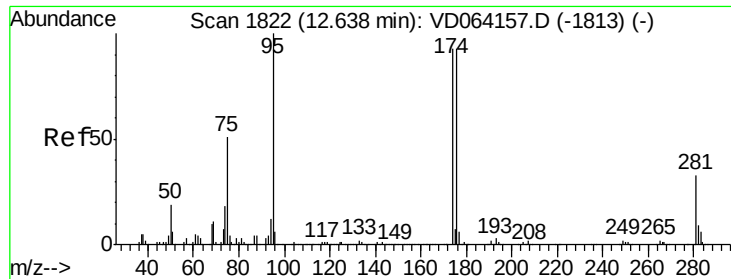
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 505.0 29.8 44.8#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 54.289 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064225.D
Acq: 15 Nov 2019 14:09

Tgt Ion: 98 Resp: 1713718
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8

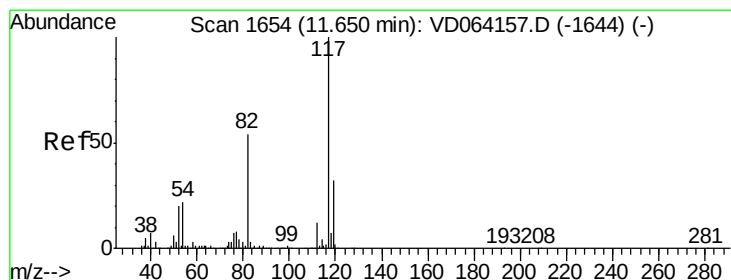
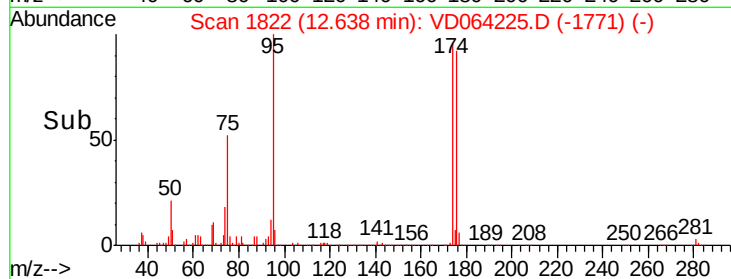
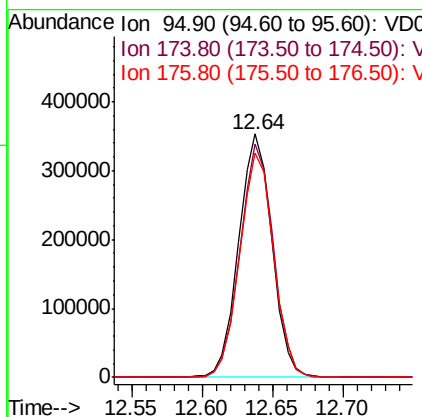
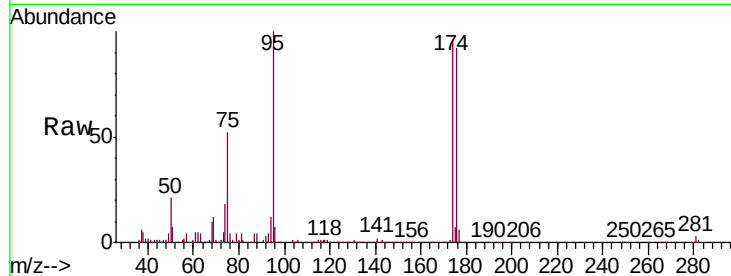




#62
4-Bromofluorobenzene
Concen: 52.981 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064225.D
Acq: 15 Nov 2019 14:09

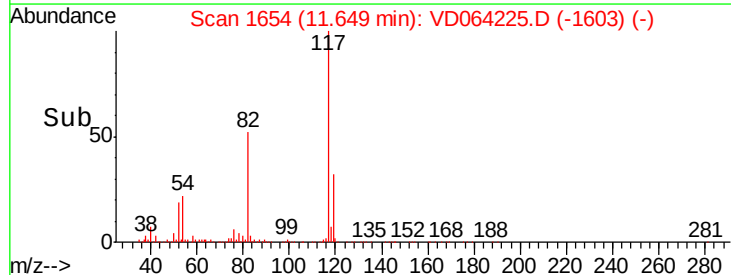
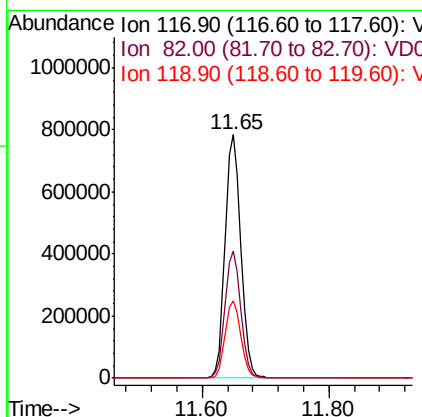
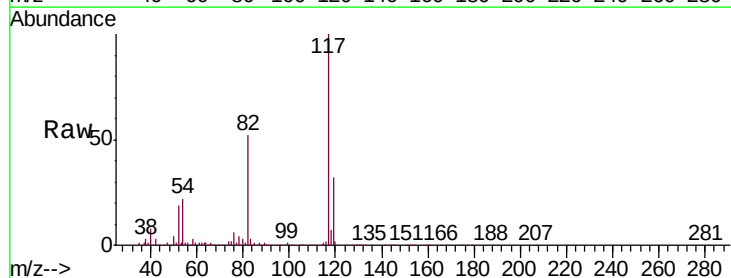
Instrument :
MSVOA_D
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TP-13A-S2

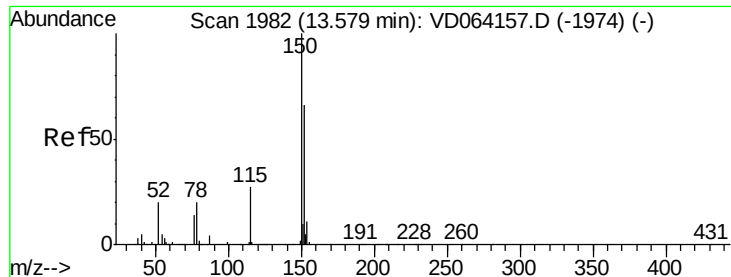
Tgt Ion: 95 Resp: 579179
Ion Ratio Lower Upper
95 100
174 97.0 0.0 183.6
176 94.0 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064225.D
Acq: 15 Nov 2019 14:09

Tgt Ion: 117 Resp: 1332845
Ion Ratio Lower Upper
117 100
82 52.0 42.8 64.2
119 31.7 25.6 38.4



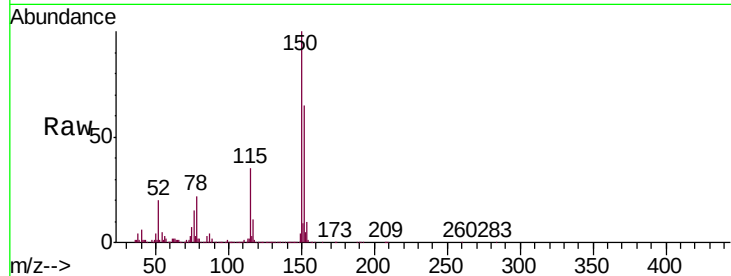


#72

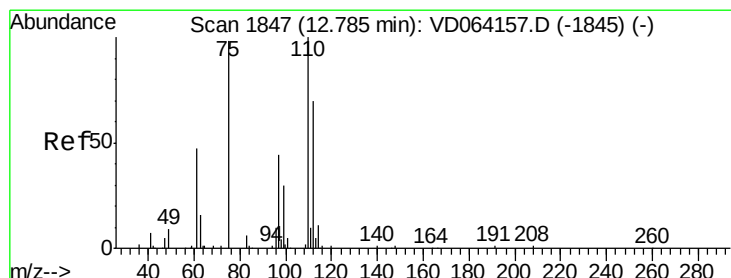
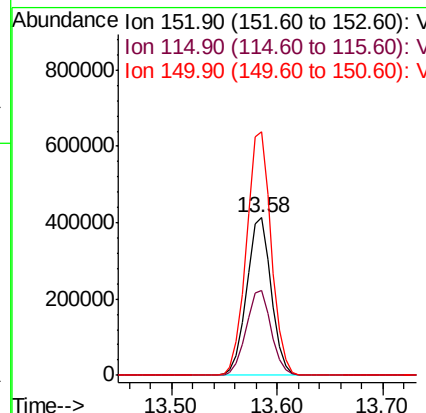
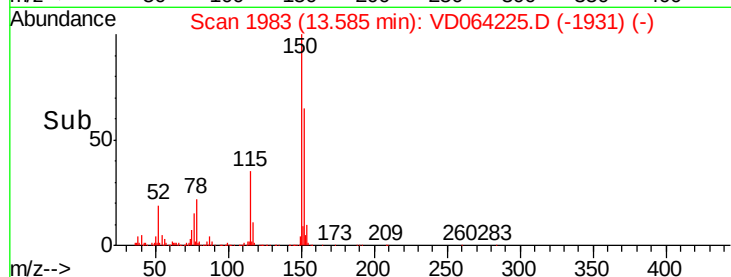
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064225.D
Acq: 15 Nov 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
TP-13A-S2

Tgt Ion:152 Resp: 663634
Ion Ratio Lower Upper
152 100
115 54.7 27.4 82.2
150 155.8 0.0 351.6



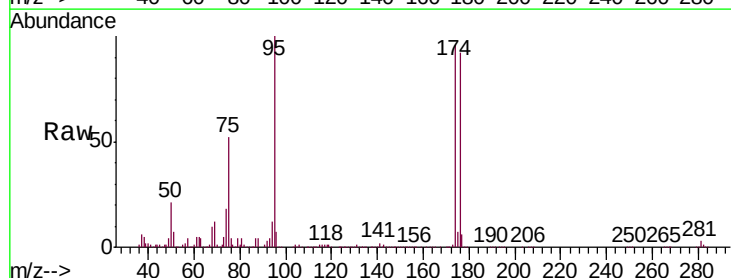
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



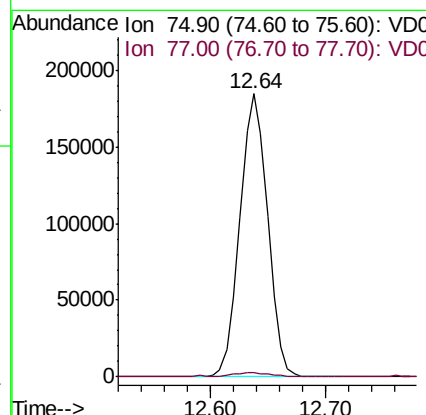
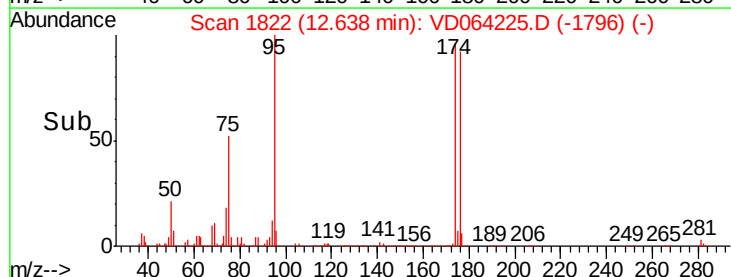
#76

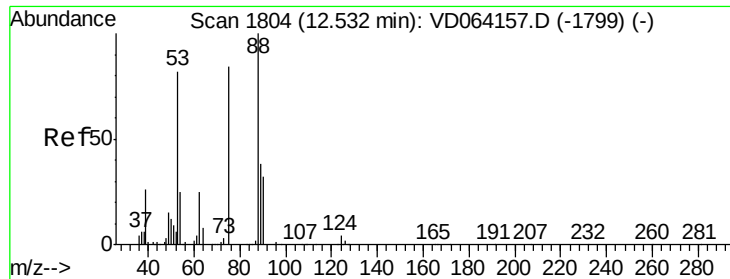
1,2,3-Trichloropropane
Concen: 57.343 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064225.D
Acq: 15 Nov 2019 14:09

Tgt Ion: 75 Resp: 306521
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 113.906 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064225.D

Acq: 15 Nov 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

TP-13A-S2

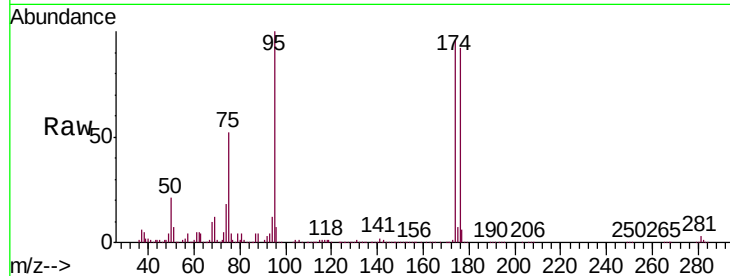
Tgt Ion: 75 Resp: 306521

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.0#

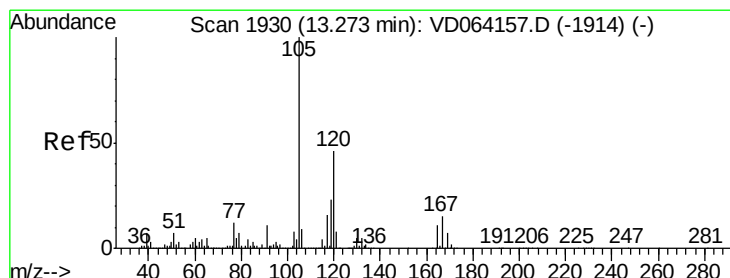
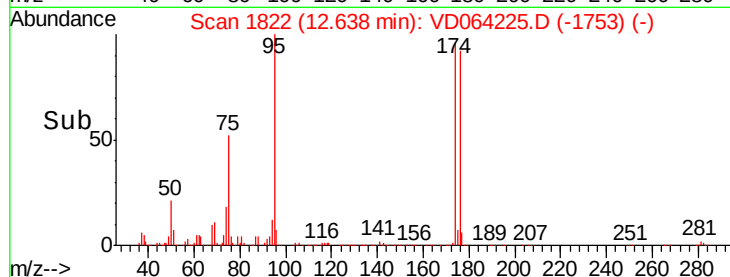
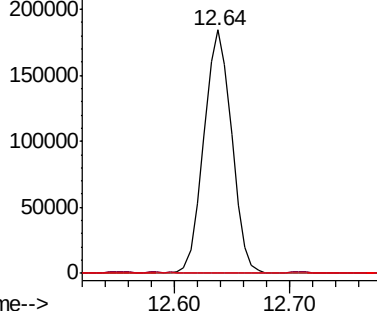
89 0.2 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#84

1,2,4-Trimethylbenzene

Concen: 1.143 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD064225.D

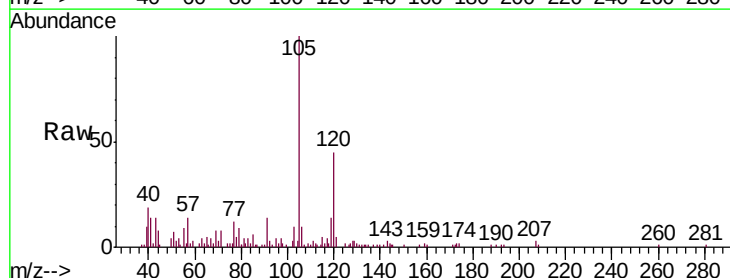
Acq: 15 Nov 2019 14:09

Tgt Ion: 105 Resp: 45151

Ion Ratio Lower Upper

105 100

120 44.7 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

