

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064340.D
 Acq On : 22 Nov 2019 11:38
 Operator : VA/SY
 Sample : VD1122SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 23:31:08 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	897780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1291310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1138293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	551903	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	376912	51.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.10%	
35) Dibromofluoromethane	7.92	113	383425	51.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.46%	
50) Toluene-d8	10.34	98	1486999	53.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.36%	
62) 4-Bromofluorobenzene	12.64	95	489959	50.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.20%	

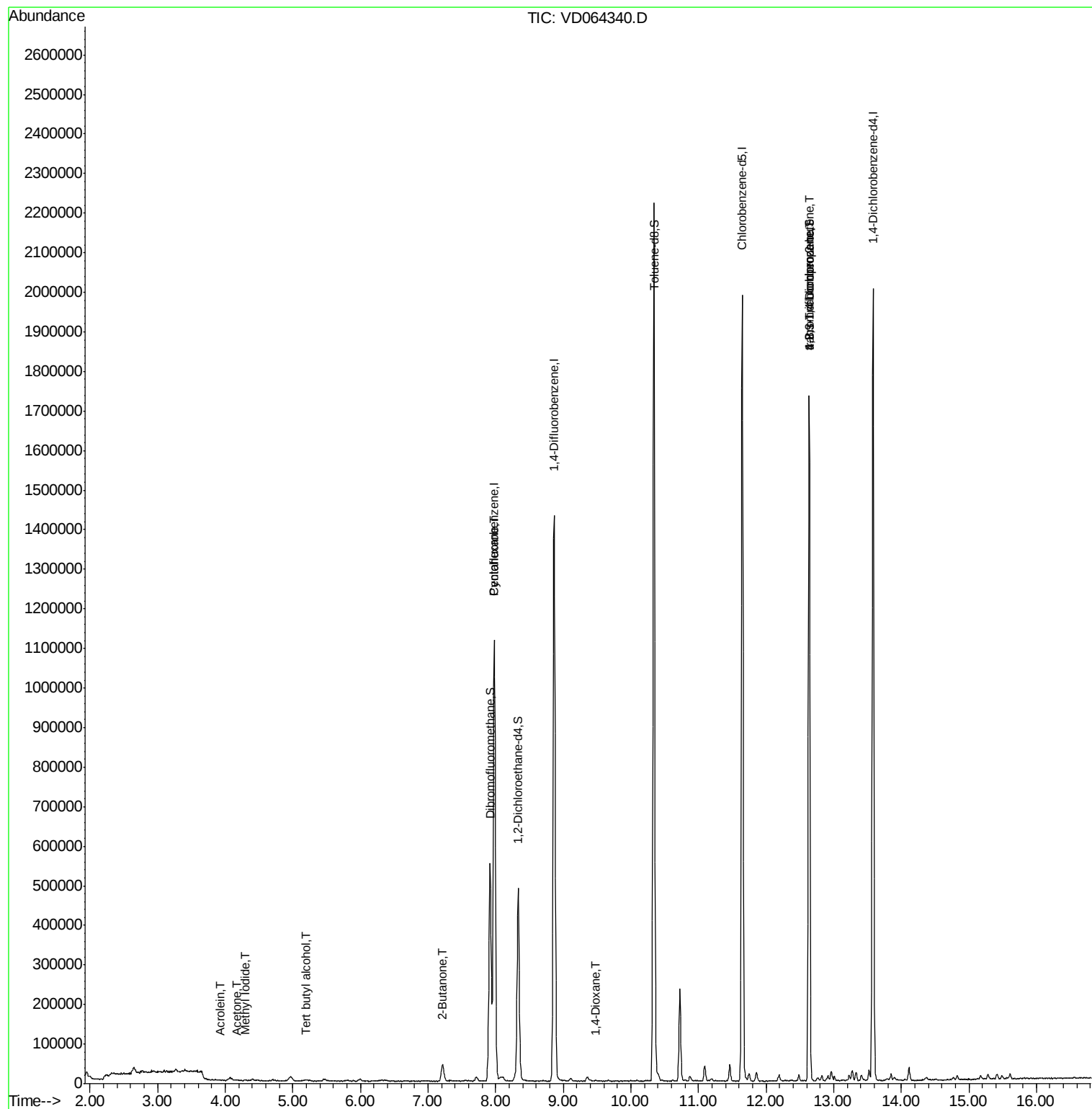
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	2435	2.290	ug/l #	93
11) Tert butyl alcohol	5.19	59	1959	3.799	ug/l #	93
13) Acrolein	3.92	56	625	1.433	ug/l	98
16) Acetone	4.17	43	3419	1.955	ug/l	91
25) 2-Butanone	7.22	43	3736	1.653	ug/l #	76
31) Cyclohexane	7.98	56	20608	1.422	ug/l #	35
49) 1,4-Dioxane	9.47	88	64	1.256	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	254306	57.206	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	254306	113.634	ug/l #	10

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

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QLast Update : Tue Nov 12 02:43:24 2019
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: VD064340.D

Acq: 22 Nov 2019 11:38

Instrument :

MSVOA_D

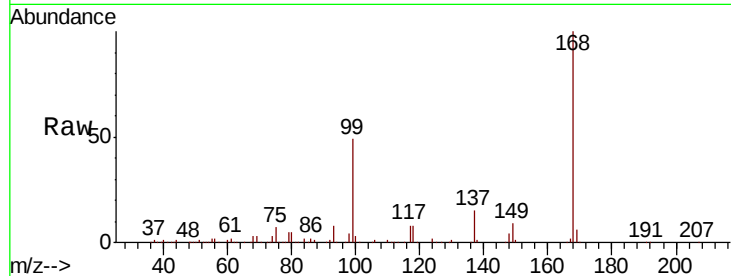
ClientSampleId :

Tot Ion:168 Resp: 897780

Ion Ratio Lower Upper

168 100

99 48.8 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

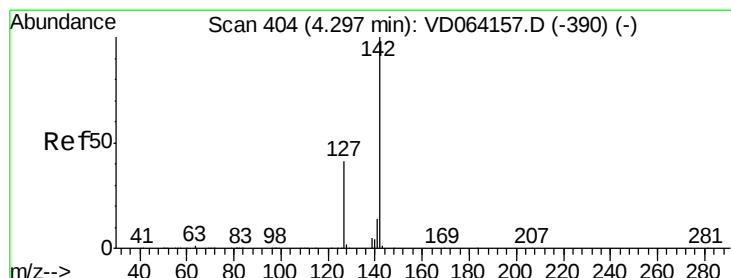
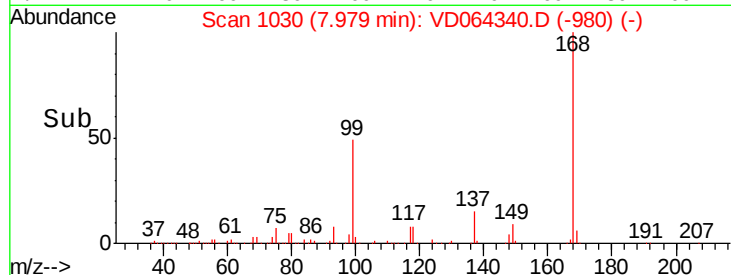
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.290 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064340.D

Acq: 22 Nov 2019 11:38

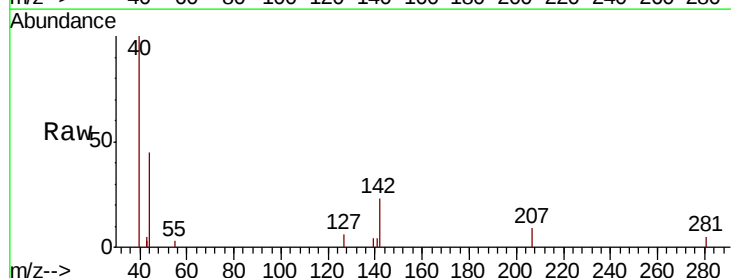
Tgt Ion:142 Resp: 2435

Ion Ratio Lower Upper

142 100

127 44.8 34.4 51.6

141 5.5 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

4.29

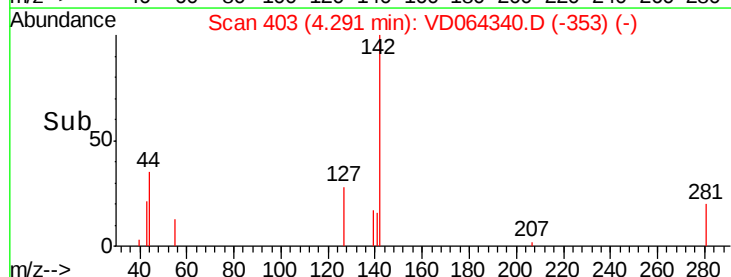
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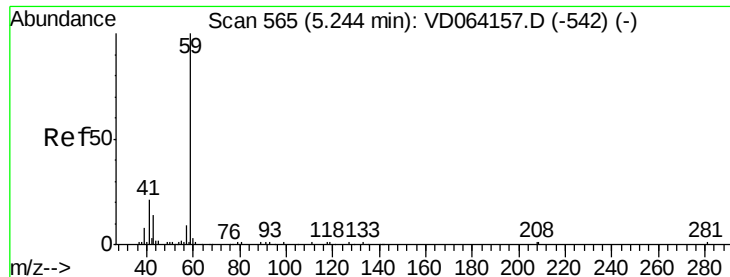
1000

500

0

Time-->

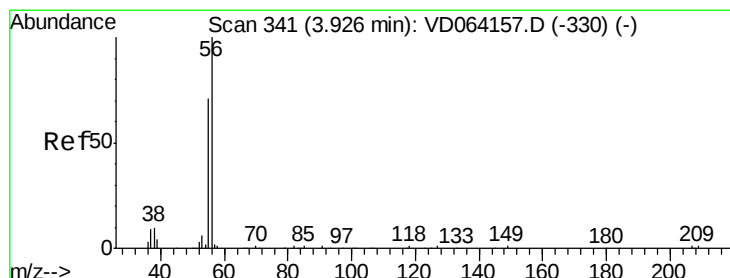
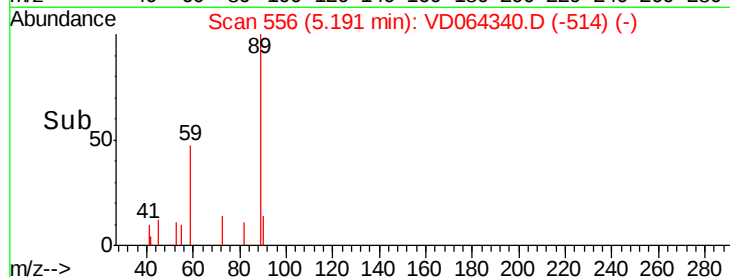
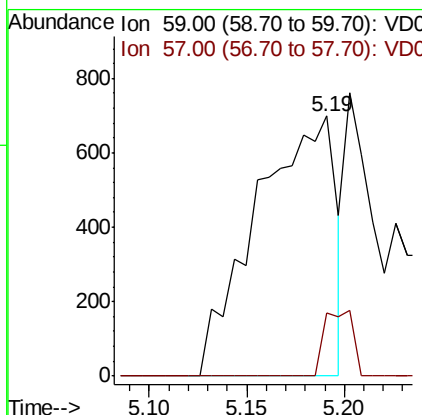
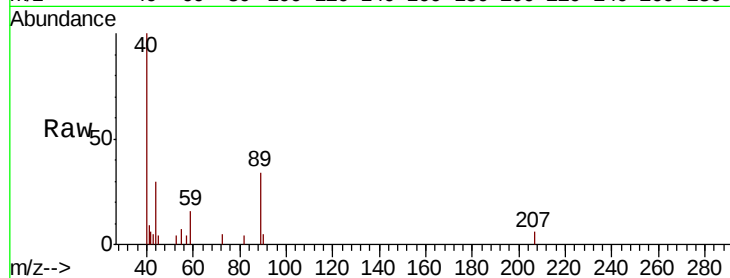




#11
Tert butyl alcohol
Concen: 3.799 ug/l
RT: 5.19 min Scan# 556
Delta R.T. -0.05 min
Lab File: VD064340.D
Acq: 22 Nov 2019 11:38

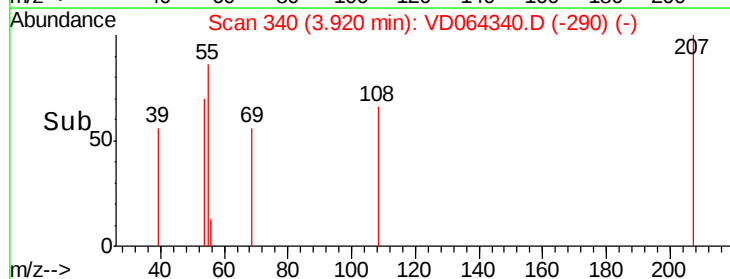
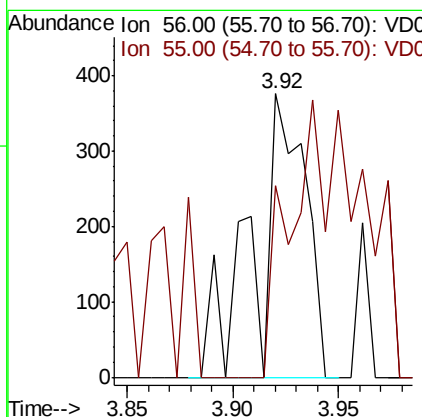
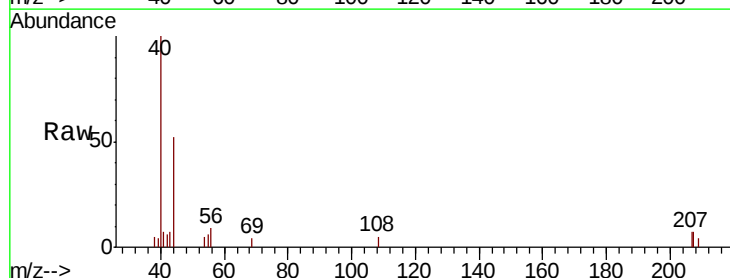
Instrument :
MSVOA_D
ClientSampled :

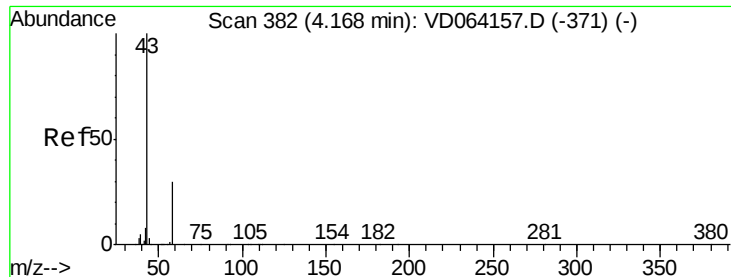
Tot Ion: 59 Resp: 1959
Ion Ratio Lower Upper
59 100
57 9.1 9.4 14.2#



#13
Acrolein
Concen: 1.433 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064340.D
Acq: 22 Nov 2019 11:38

Tgt Ion: 56 Resp: 625
Ion Ratio Lower Upper
56 100
55 68.2 56.1 84.1





#16

Acetone

Concen: 1.955 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064340.D

Acq: 22 Nov 2019 11:38

Instrument :

MSVOA_D

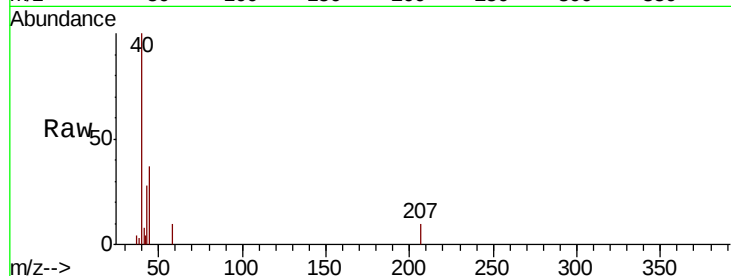
ClientSampled :

Tot Ion: 43 Resp: 3419

Ion Ratio Lower Upper

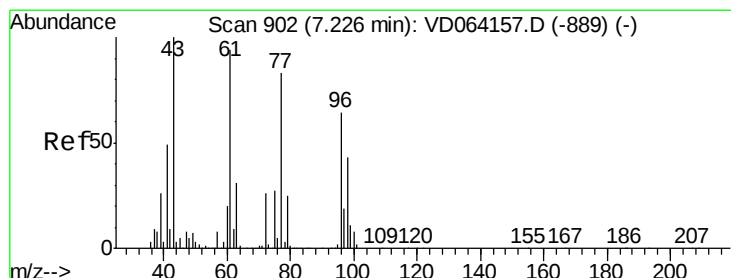
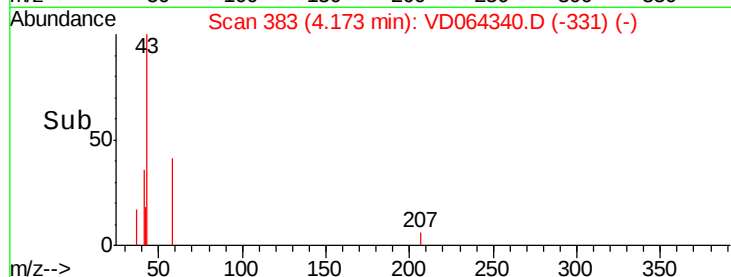
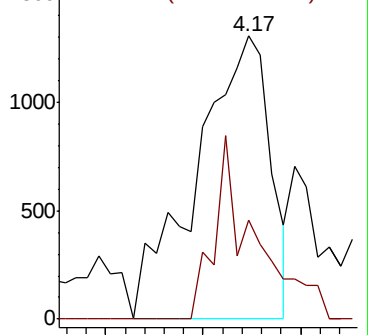
43 100

58 34.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#25

2-Butanone

Concen: 1.653 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064340.D

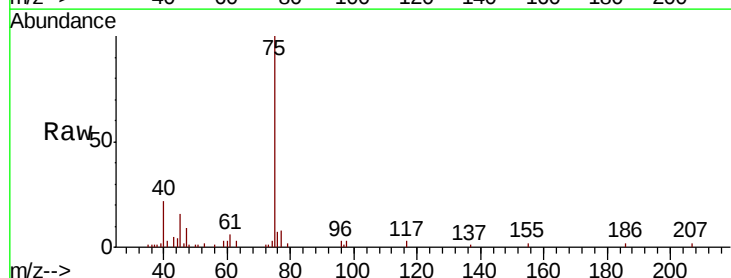
Acq: 22 Nov 2019 11:38

Tgt Ion: 43 Resp: 3736

Ion Ratio Lower Upper

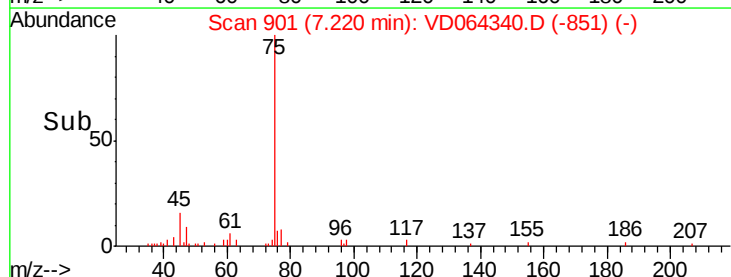
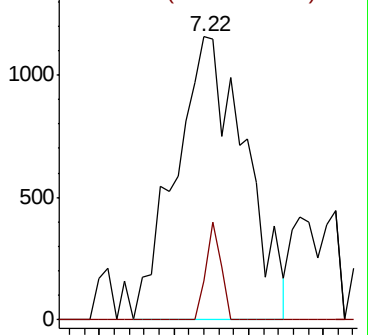
43 100

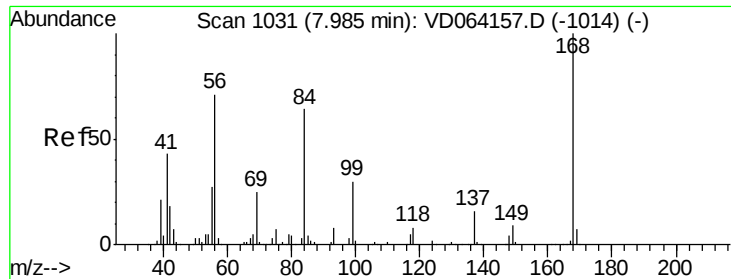
72 13.7 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

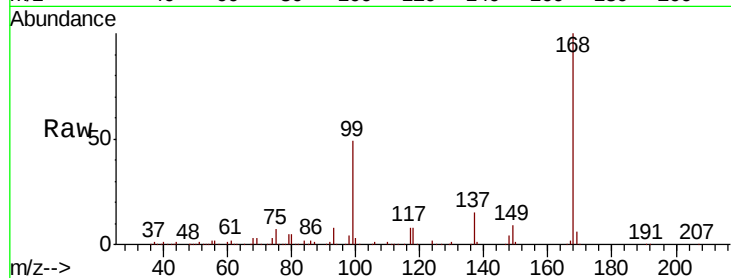




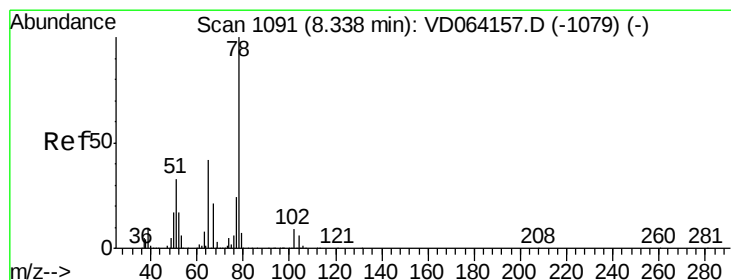
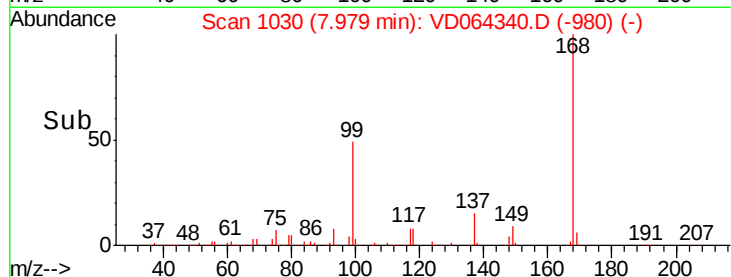
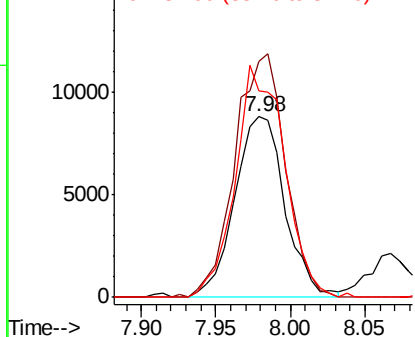
#31
Cyclohexane
Concen: 1.422 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064340.D
Acq: 22 Nov 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 20608
Ion Ratio Lower Upper
56 100
69 130.8 28.2 42.4#
84 114.4 71.8 107.6#

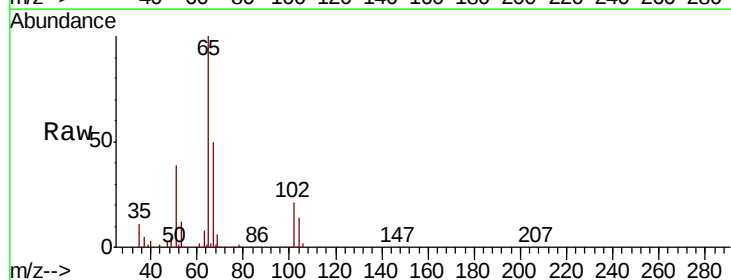


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

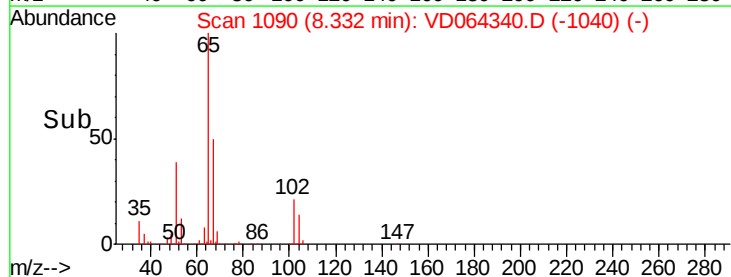
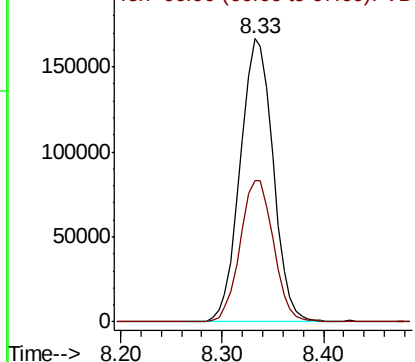


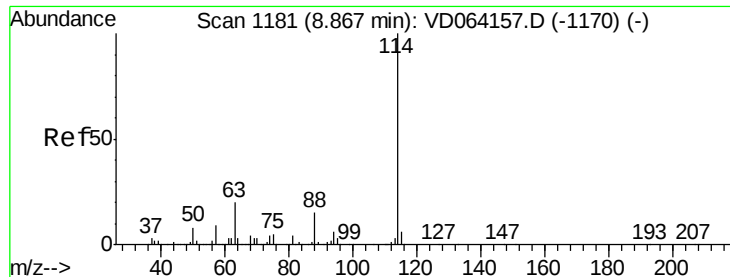
#33
1,2-Dichloroethane-d4
Concen: 51.046 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064340.D
Acq: 22 Nov 2019 11:38

Tgt Ion: 65 Resp: 376912
Ion Ratio Lower Upper
65 100
67 50.7 0.0 104.4



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

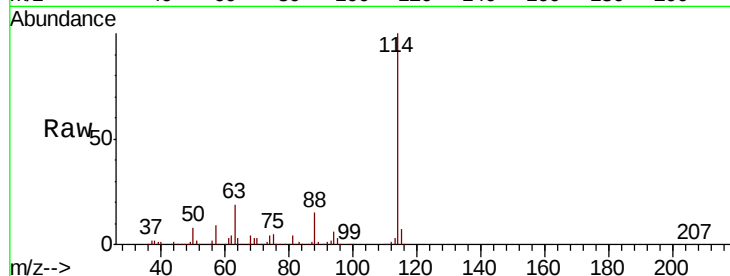




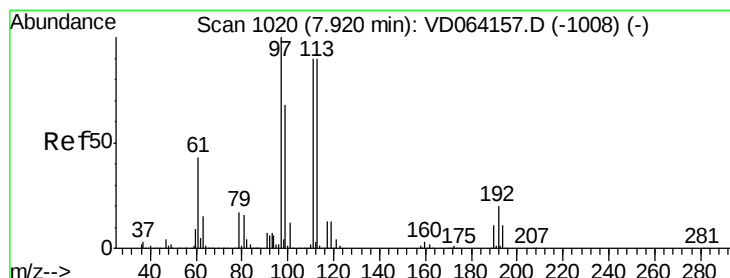
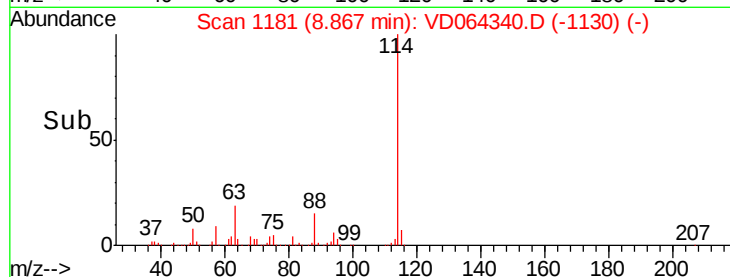
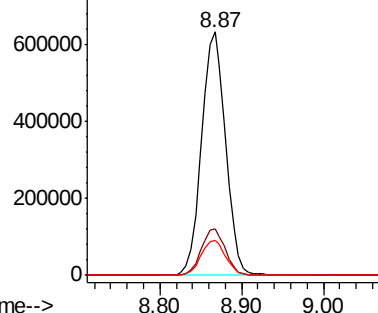
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064340.D
 Acq: 22 Nov 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1291310
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.0
 88 14.6 0.0 30.2

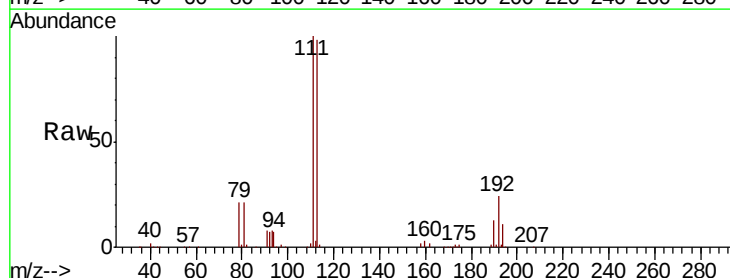


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

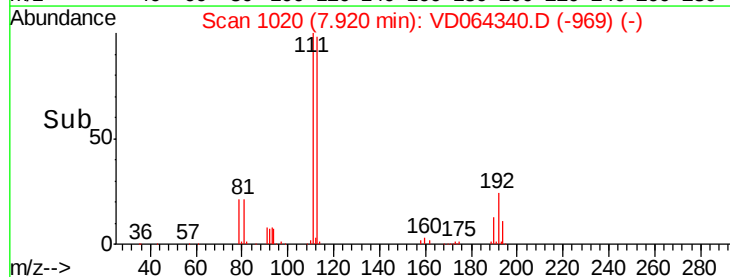
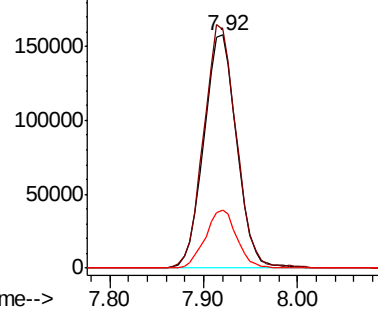


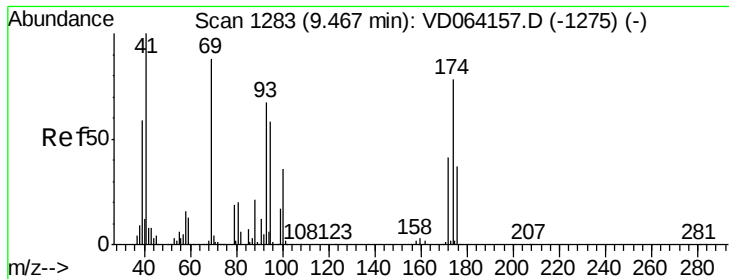
#35
 Dibromofluoromethane
 Concen: 51.728 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064340.D
 Acq: 22 Nov 2019 11:38

Tgt Ion:113 Resp: 383425
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.5 122.3
 192 23.8 18.8 28.2



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

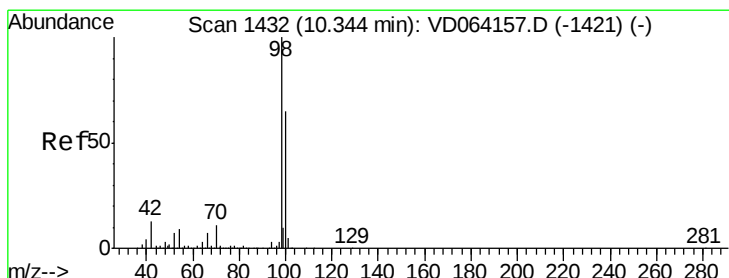
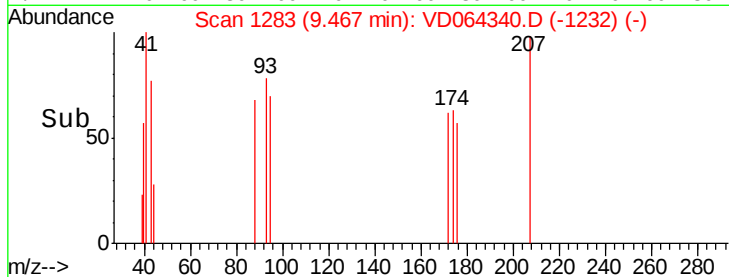
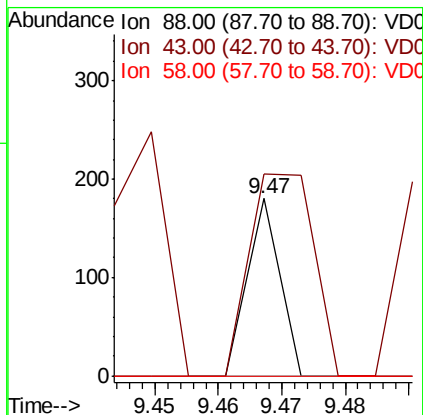
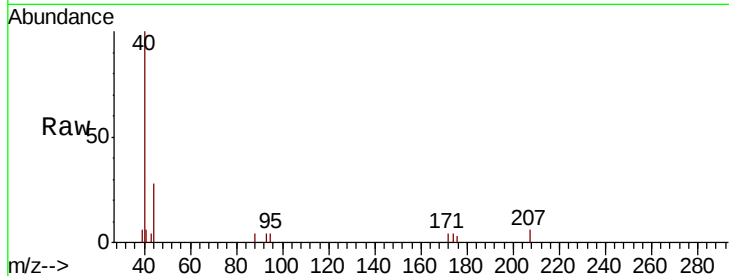




#49
 1,4-Dioxane
 Concen: 1.256 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VD064340.D
 Acq: 22 Nov 2019 11:38

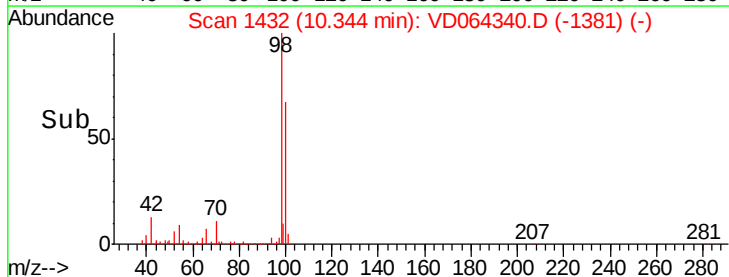
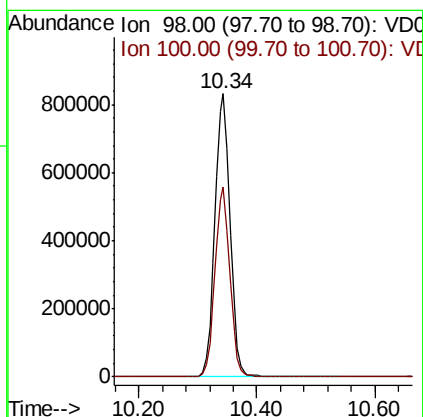
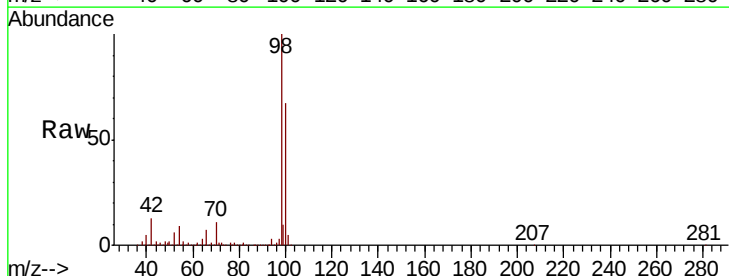
Instrument :
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 ClientSampleId :

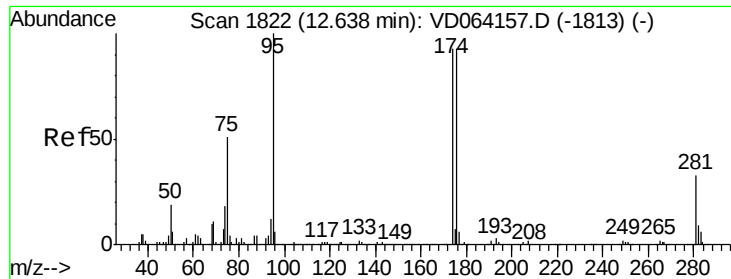
Tot Ion: 88 Resp: 64
 Ion Ratio Lower Upper
 88 100
 43 225.0 29.8 44.8#
 58 0.0 58.1 87.1#



#50
 Toluene-d8
 Concen: 53.178 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD064340.D
 Acq: 22 Nov 2019 11:38

Tgt Ion: 98 Resp: 1486999
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.6 78.8

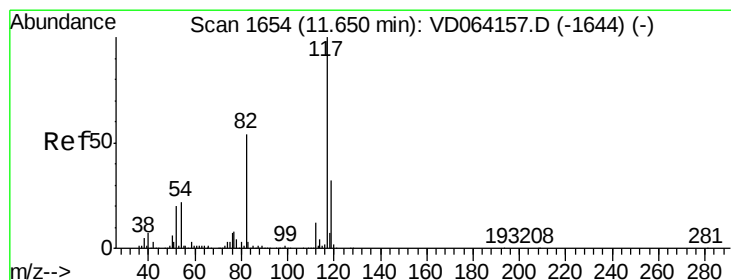
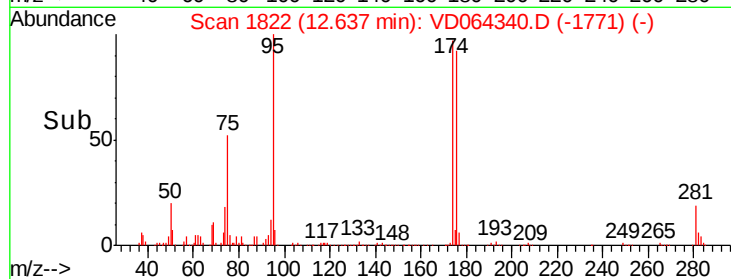
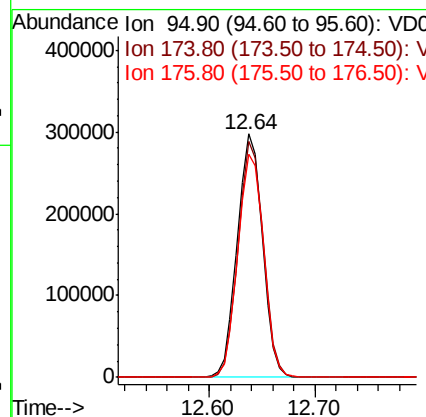
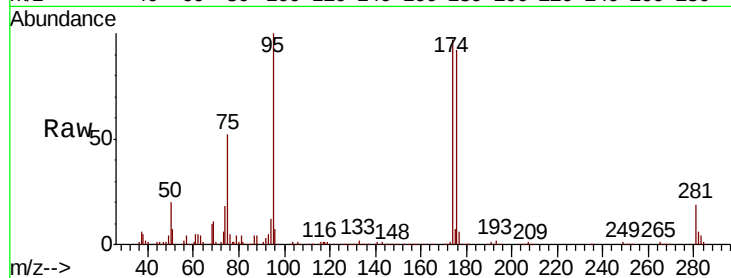




#62
4-Bromofluorobenzene
Concen: 50.597 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064340.D
Acq: 22 Nov 2019 11:38

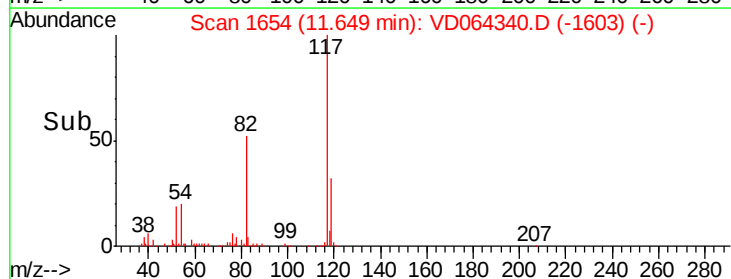
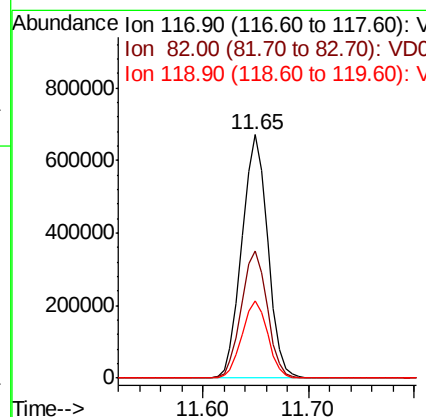
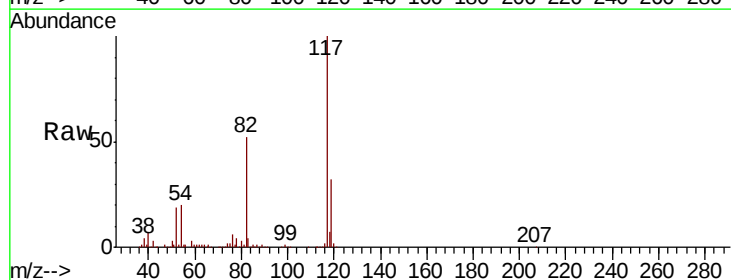
Instrument :
MSVOA_D
ClientSampleId :

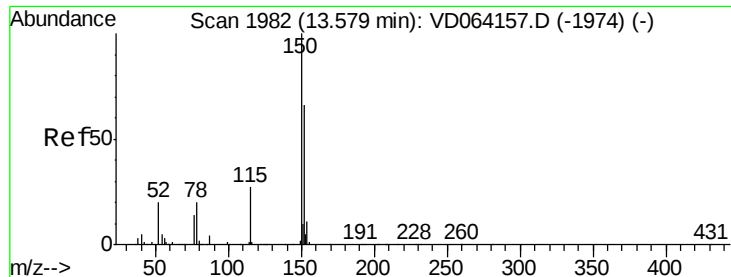
Tot Ion	Ratio	Lower	Upper
95	100		
174	96.5	0.0	183.6
176	93.4	0.0	180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064340.D
Acq: 22 Nov 2019 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.1	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: VD064340.D

Acq: 22 Nov 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

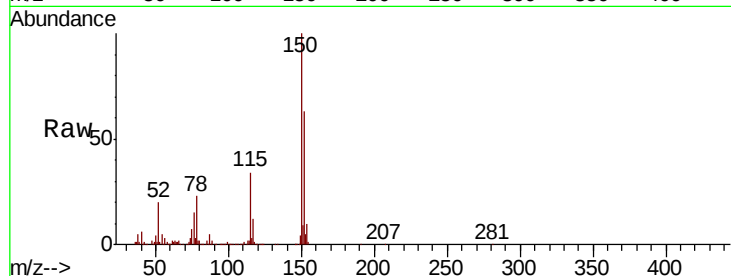
Tot Ion:152 Resp: 551903

Ion Ratio Lower Upper

152 100

115 54.4 27.4 82.2

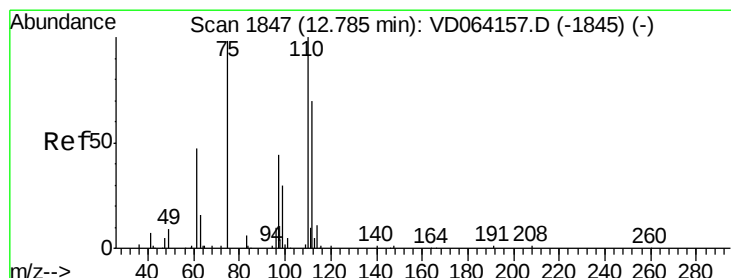
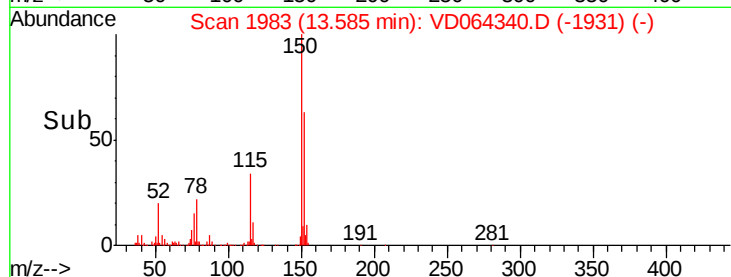
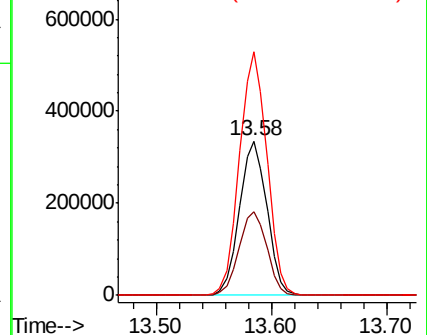
150 158.0 0.0 351.6



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: 57.206 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064340.D

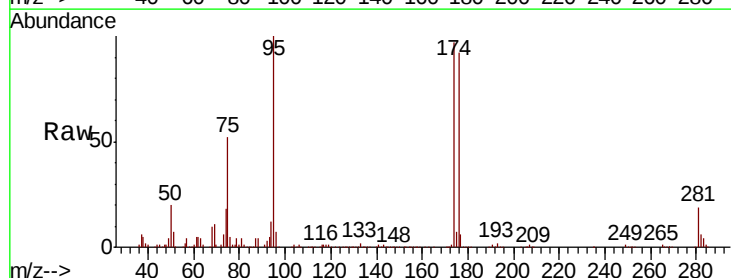
Acq: 22 Nov 2019 11:38

Tgt Ion: 75 Resp: 254306

Ion Ratio Lower Upper

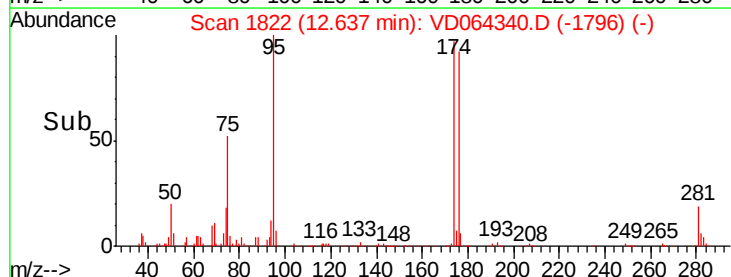
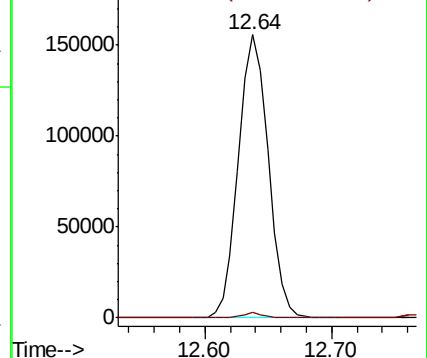
75 100

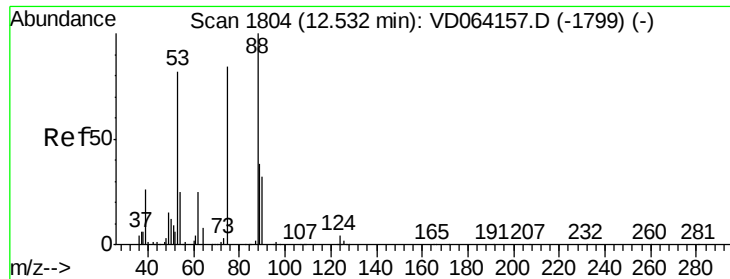
77 1.4 0.0 0.0#



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: 113.634 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064340.D

Acq: 22 Nov 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

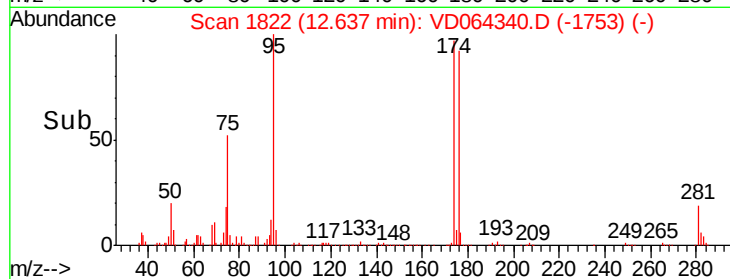
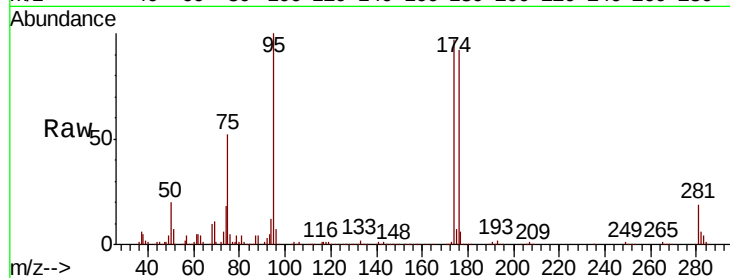
Tot Ion: 75 Resp: 254306

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 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

