

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064951.D
 Acq On : 24 Jan 2020 19:04
 Operator : VA/SY
 Sample : L1242-07
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 25 02:40:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	412030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	668762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	596759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	229876	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	207534	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	7.92	113	216123	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
50) Toluene-d8	10.34	98	786784	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.64	95	234290	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	

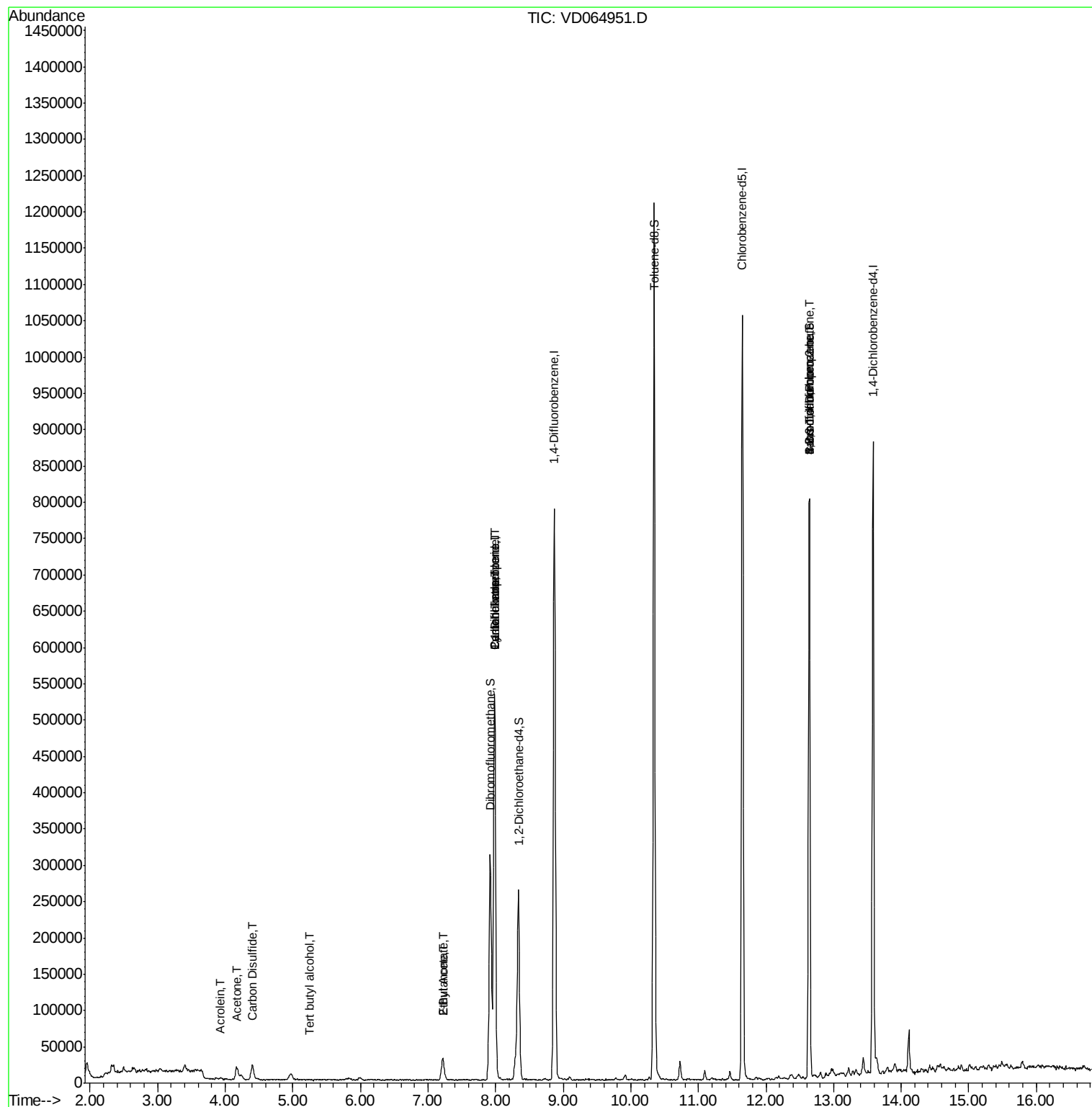
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.25	59	470	2.152	ug/l #	74
13) Acrolein	3.92	56	1175	4.292	ug/l #	74
16) Acetone	4.17	43	30775	40.551	ug/l #	85
17) Carbon Disulfide	4.40	76	43326	3.670	ug/l	100
20) Methylene Chloride	4.97	84	5688	Below Cal	#	93
25) 2-Butanone	7.23	43	11458	10.731	ug/l	99
31) Cyclohexane	7.99	56	8663	1.258	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	30645	4.752	ug/l #	50
37) Ethyl Acetate	7.23	43	11458	4.302	ug/l #	87
38) Carbon Tetrachloride	7.99	117	38623	5.666	ug/l #	17
71) Bromoform	12.64	173	3114	1.229	ug/l #	28
76) 1,2,3-Trichloropropane	12.64	75	125872	65.971	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	125872	140.863	ug/l #	10

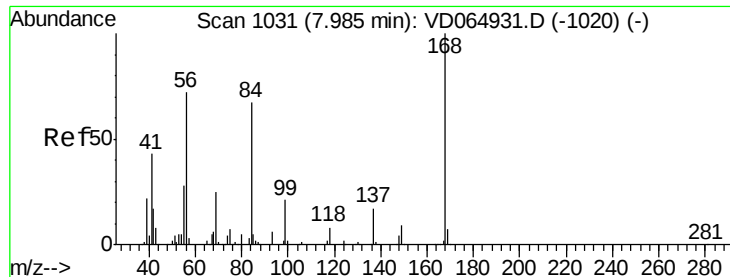
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD012420\
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QLast Update : Thu Jan 23 13:45:59 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064951.D

Acq: 24 Jan 2020 19:04

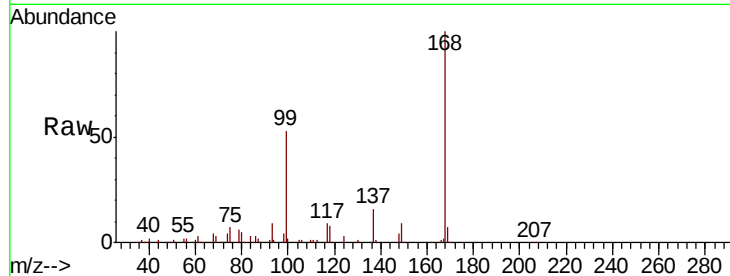
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 412030

Ion Ratio Lower Upper

168 100

99 52.6 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

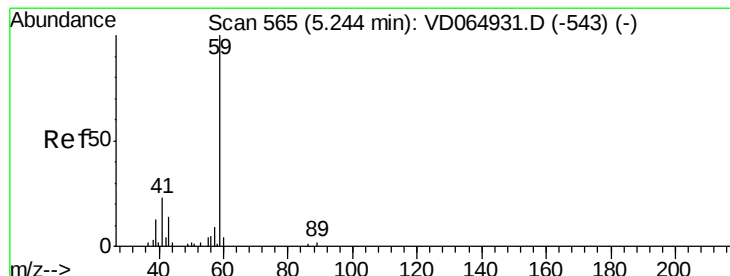
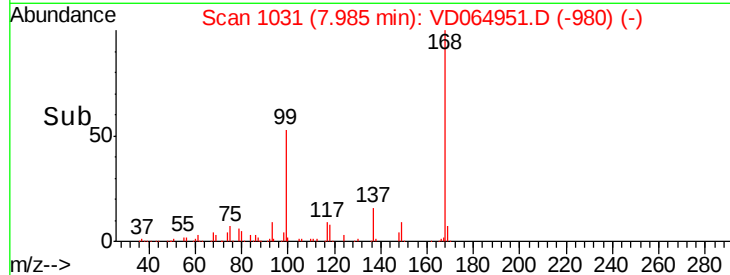
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.152 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD064951.D

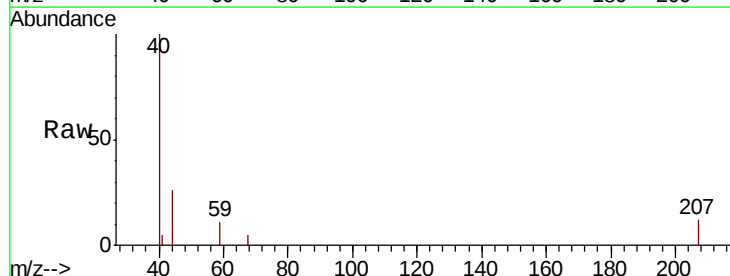
Acq: 24 Jan 2020 19:04

Tgt Ion: 59 Resp: 470

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.25

400

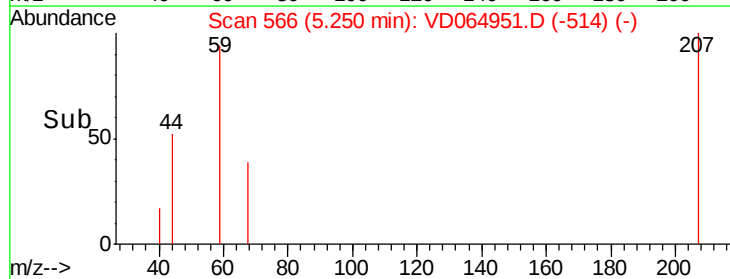
300

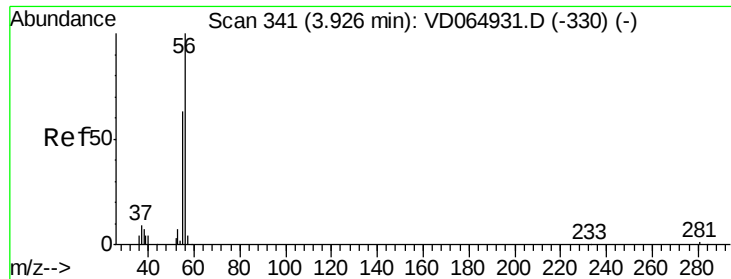
200

100

0

Time-->

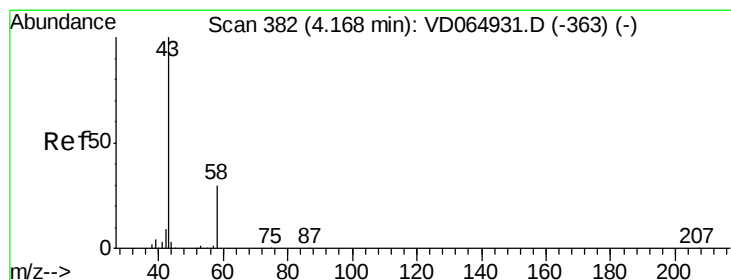
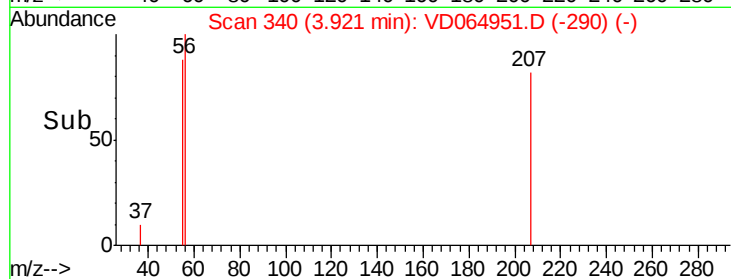
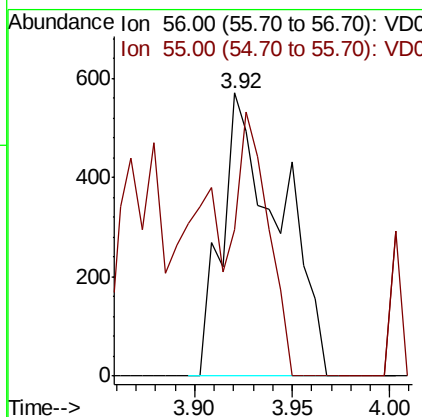
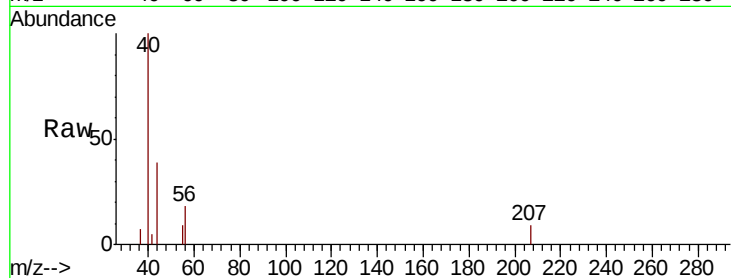




#13
Acrolein
Concen: 4.292 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064951.D
Acq: 24 Jan 2020 19:04

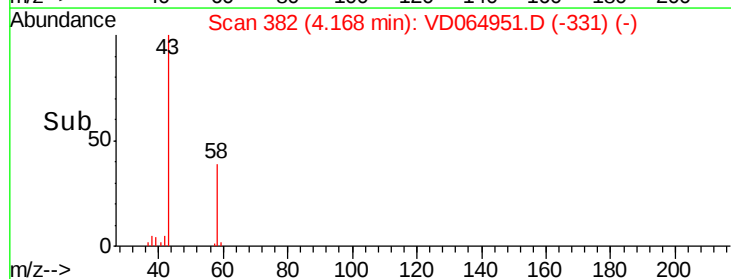
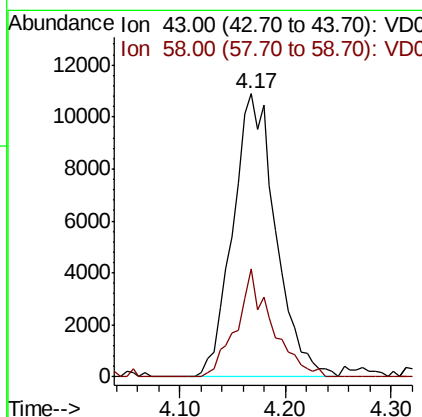
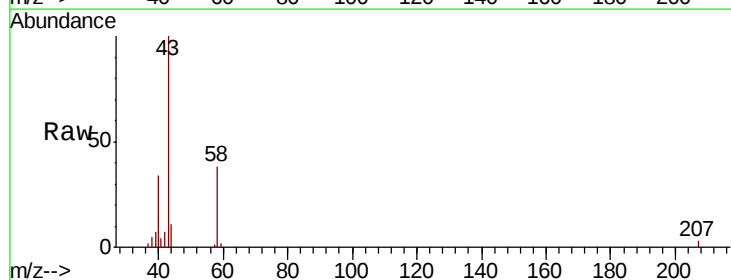
Instrument :
MSVOA_D
ClientSampleId :

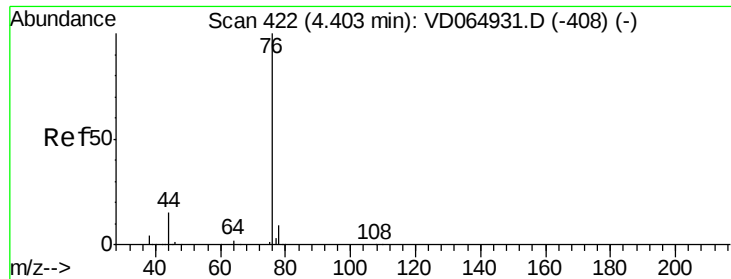
Tot Ion: 56 Resp: 1175
Ion Ratio Lower Upper
56 100
55 52.3 59.7 89.5#



#16
Acetone
Concen: 40.551 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD064951.D
Acq: 24 Jan 2020 19:04

Tgt Ion: 43 Resp: 30775
Ion Ratio Lower Upper
43 100
58 37.9 23.8 35.8#

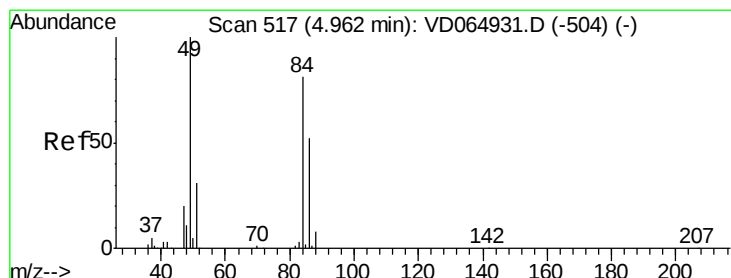
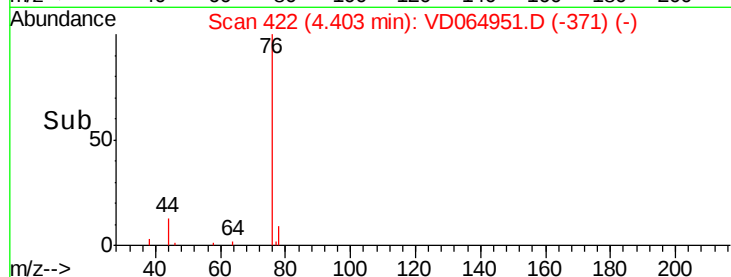
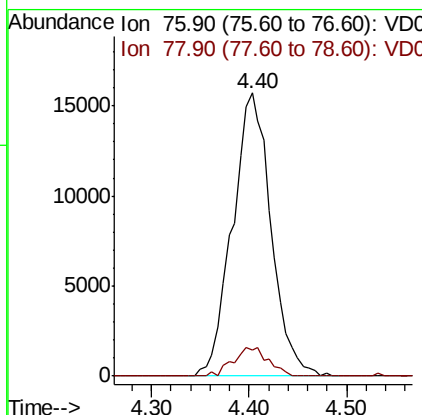
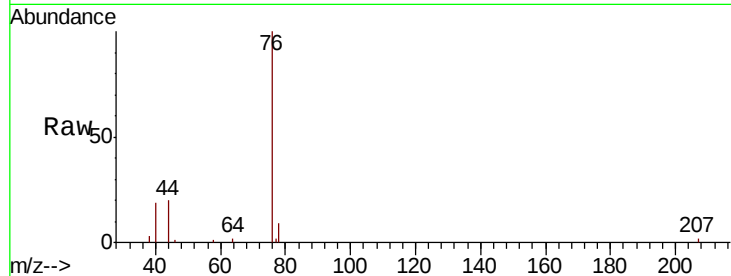




#17
Carbon Disulfide
Concen: 3.670 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD064951.D
Acq: 24 Jan 2020 19:04

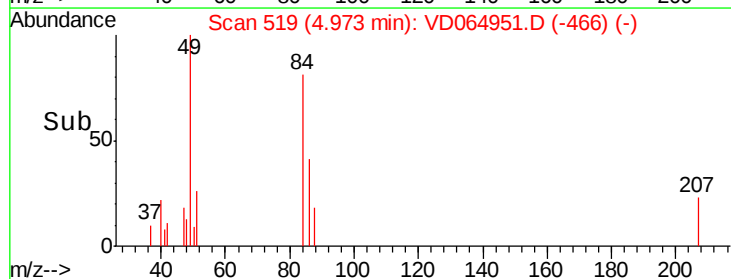
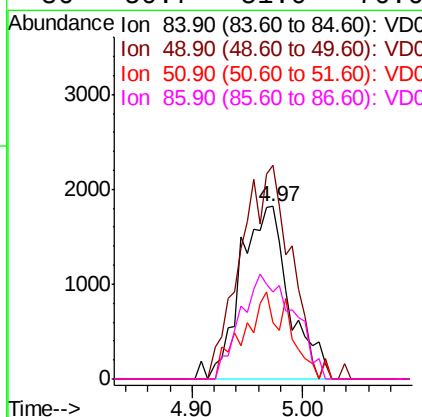
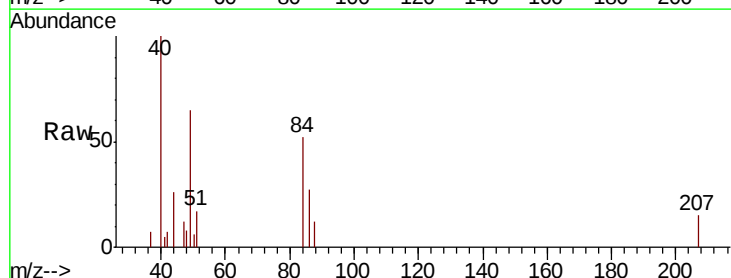
Instrument :
MSVOA_D
ClientSampleId :

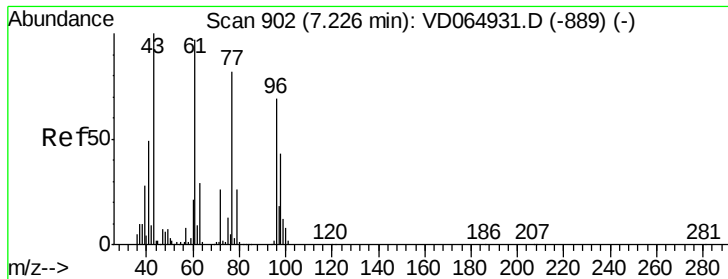
Tot Ion: 76 Resp: 43326
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD064951.D
Acq: 24 Jan 2020 19:04

Tgt Ion: 84 Resp: 5688
Ion Ratio Lower Upper
84 100
49 123.7 98.4 147.6
51 32.6 30.8 46.2
86 50.7 51.0 76.6#





#25

2-Butanone

Concen: 10.731 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD064951.D

Acq: 24 Jan 2020 19:04

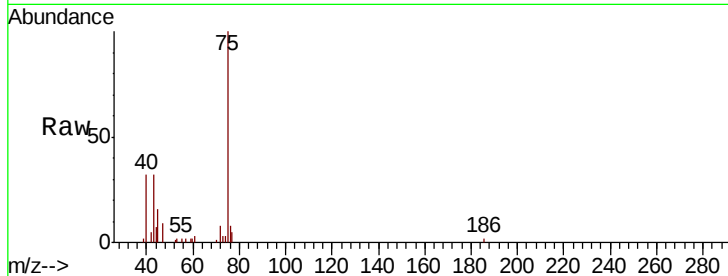
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 11458

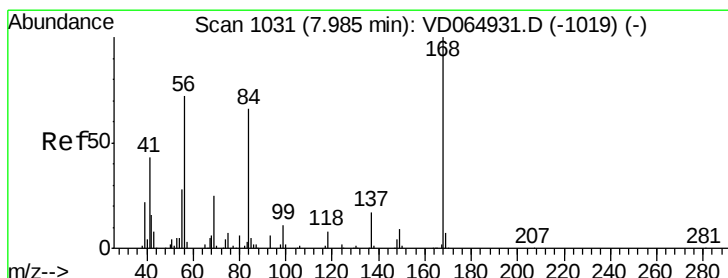
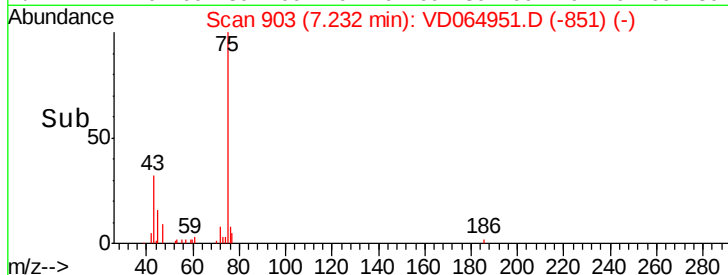
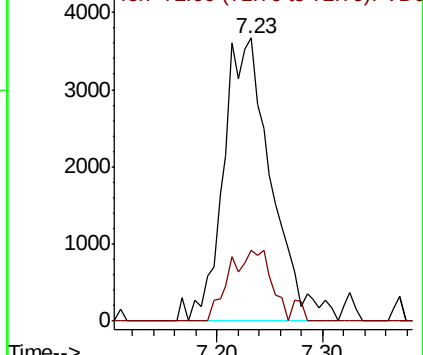
Ion Ratio Lower Upper

43 100

72 25.1 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.258 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064951.D

Acq: 24 Jan 2020 19:04

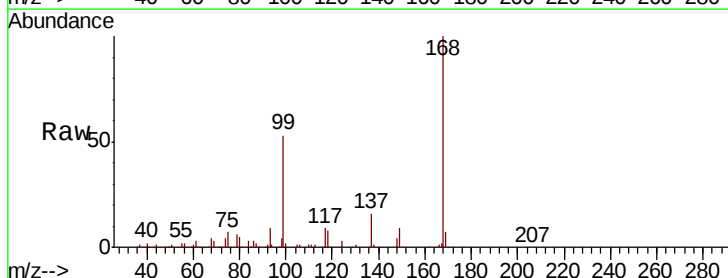
Tgt Ion: 56 Resp: 8663

Ion Ratio Lower Upper

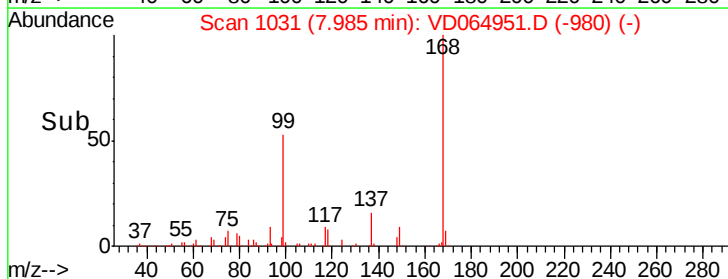
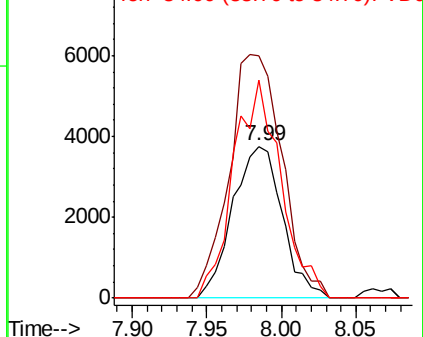
56 100

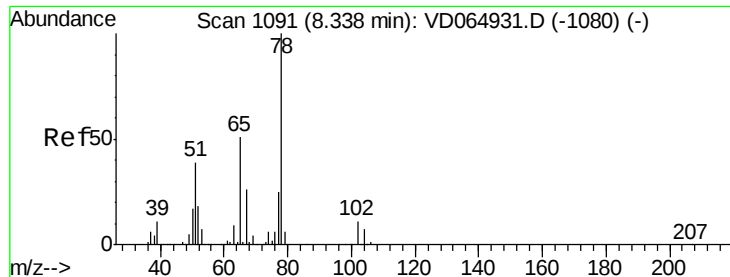
69 159.4 27.9 41.9#

84 143.4 72.8 109.2#



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

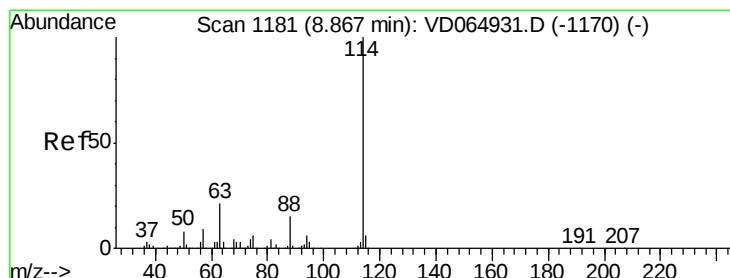
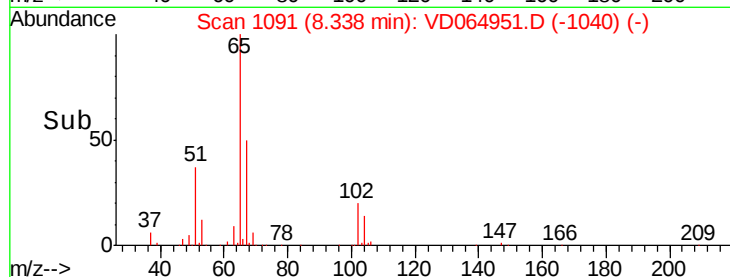
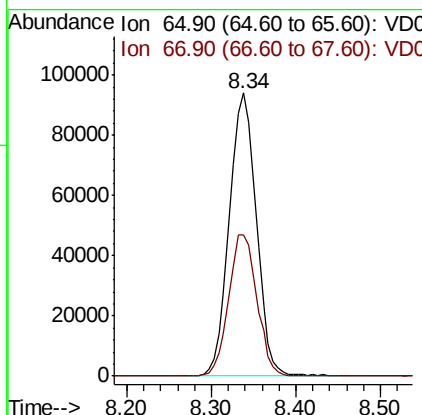
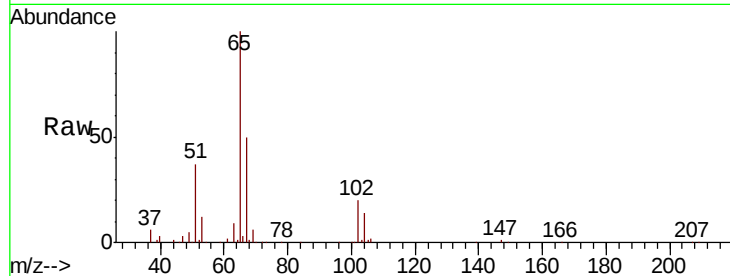




#33
 1,2-Dichloroethane-d4
 Concen: 52.510 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064951.D
 Acq: 24 Jan 2020 19:04

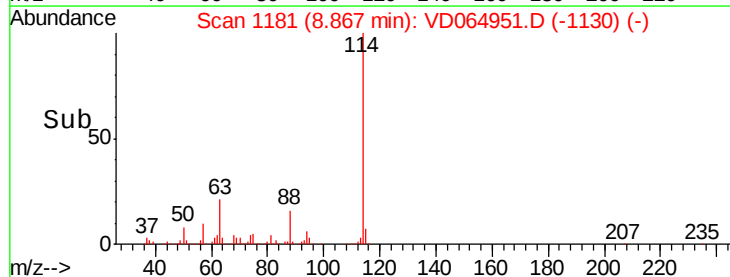
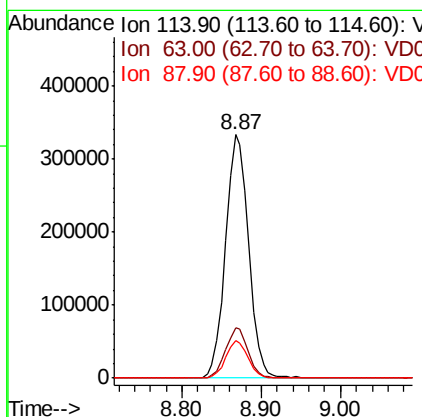
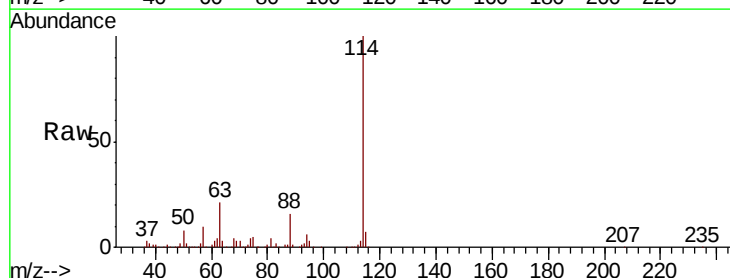
Instrument :
 MSVOA_D
 ClientSampleId :

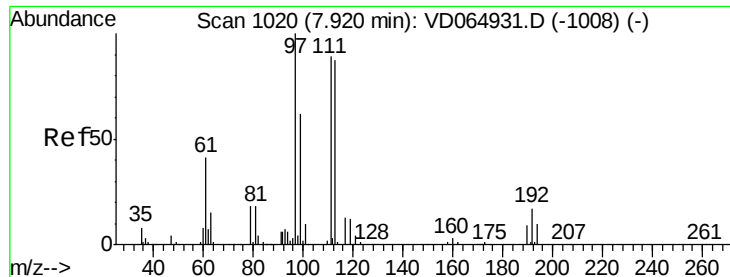
Tot Ion: 65 Resp: 207534
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064951.D
 Acq: 24 Jan 2020 19:04

Tgt Ion: 114 Resp: 668762
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.0
 88 15.6 0.0 29.4

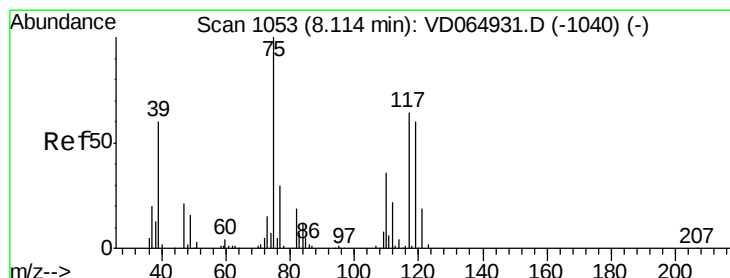
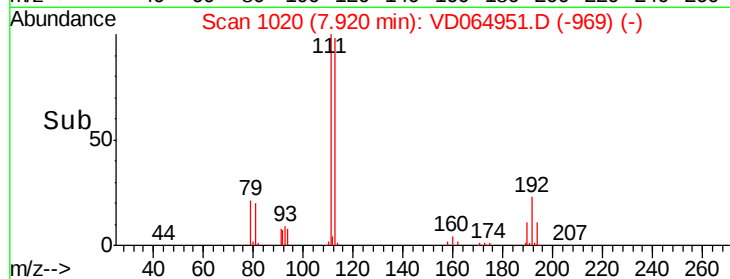
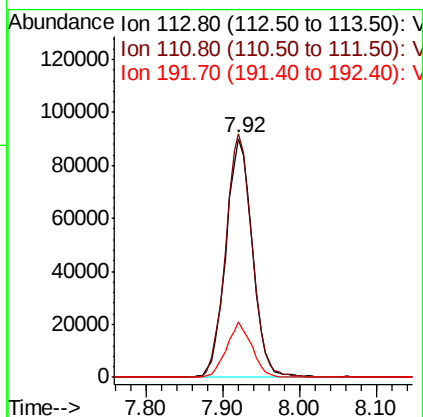
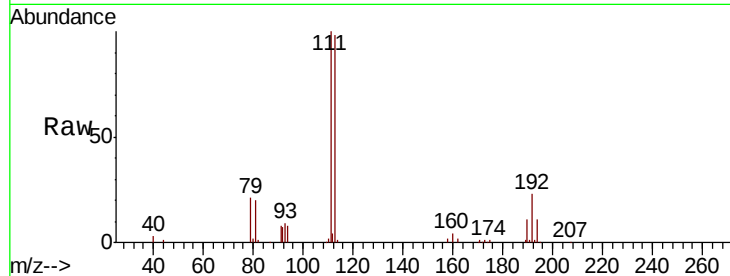




#35
 Dibromofluoromethane
 Concen: 51.426 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064951.D
 Acq: 24 Jan 2020 19:04

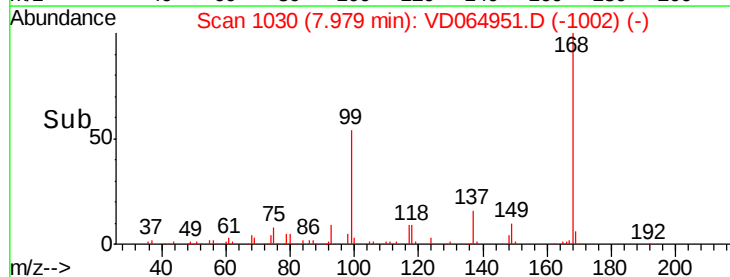
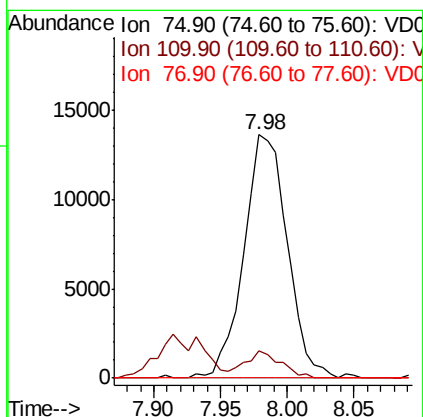
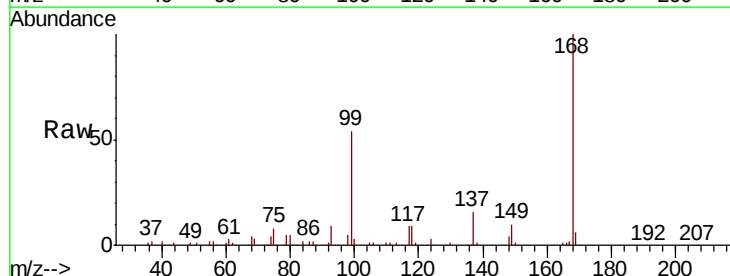
Instrument :
 MSVOA_D
 ClientSampleId :

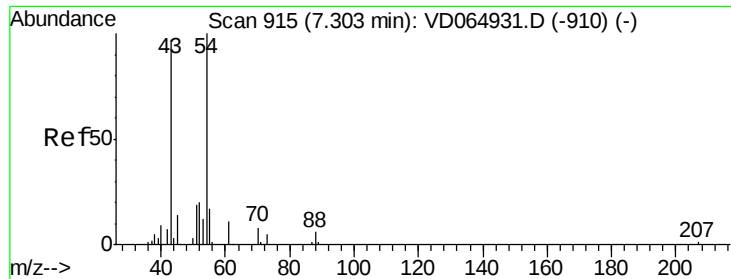
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.4	123.6
192	22.0	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 4.752 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064951.D
 Acq: 24 Jan 2020 19:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.3	52.0#
77	0.0	24.7	37.1#

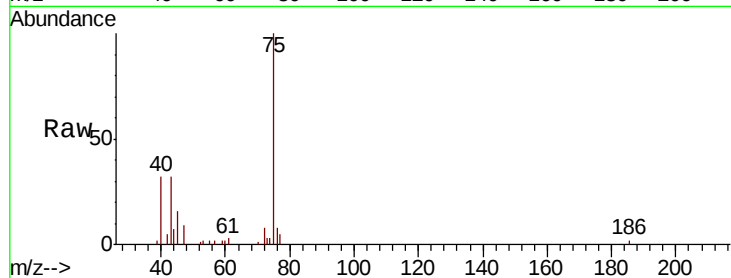




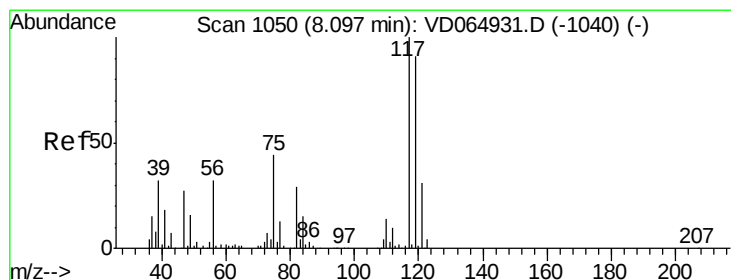
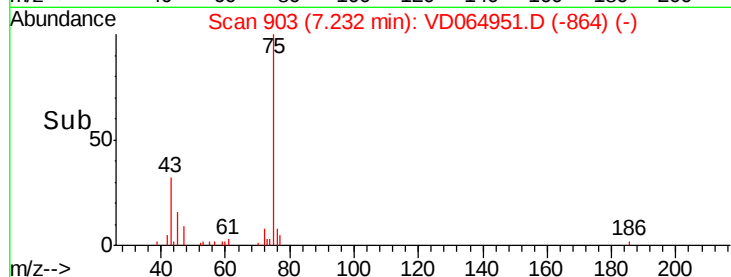
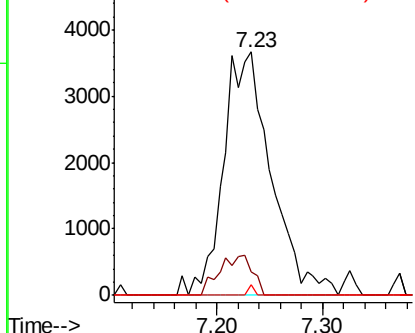
#37
Ethyl Acetate
Concen: 4.302 ug/l
RT: 7.23 min Scan# 903
Delta R.T. -0.07 min
Lab File: VD064951.D
Acq: 24 Jan 2020 19:04

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 11458
Ion Ratio Lower Upper
43 100
61 11.4 11.0 16.4
70 0.5 7.5 11.3#

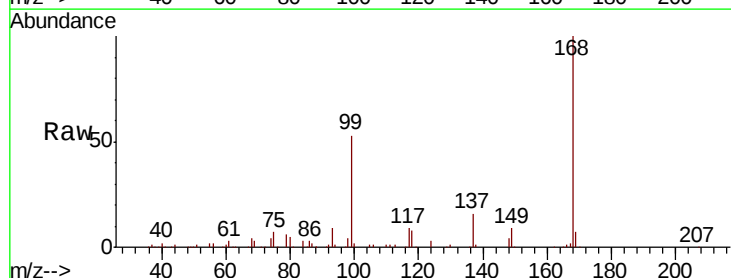


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

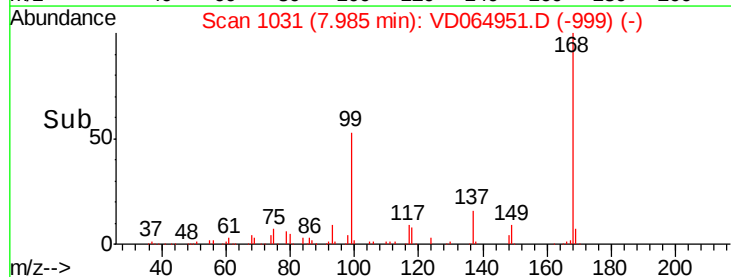
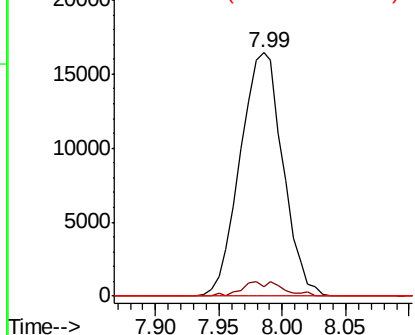


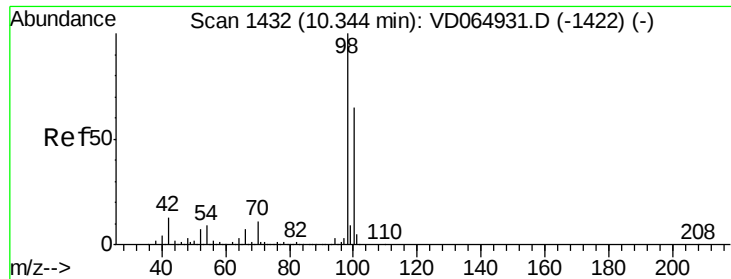
#38
Carbon Tetrachloride
Concen: 5.666 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064951.D
Acq: 24 Jan 2020 19:04

Tgt Ion: 117 Resp: 38623
Ion Ratio Lower Upper
117 100
119 3.8 73.2 109.8#
121 0.0 24.4 36.6#



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

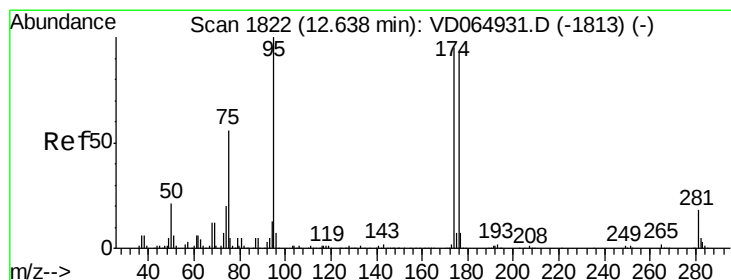
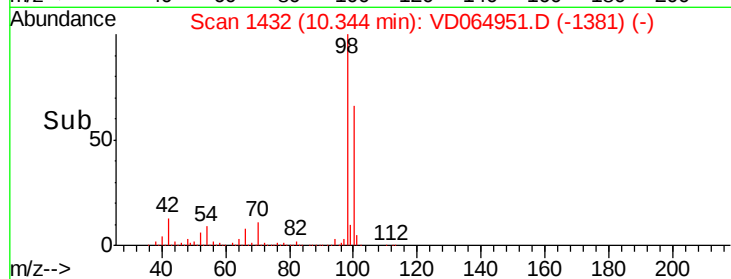
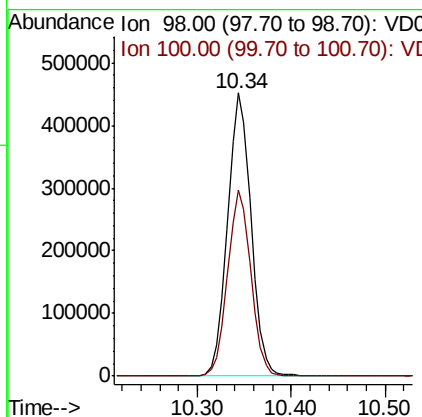
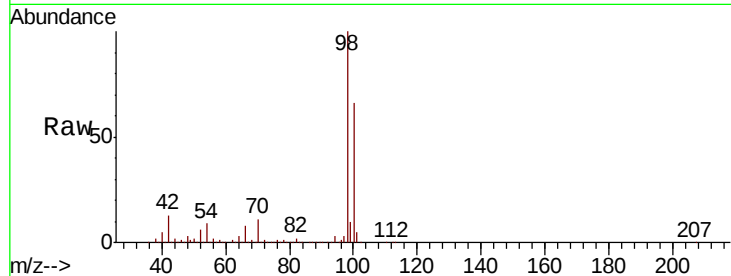




#50
Toluene-d8
Concen: 48.506 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064951.D
Acq: 24 Jan 2020 19:04

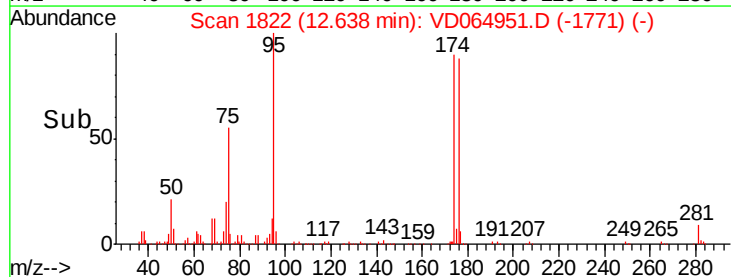
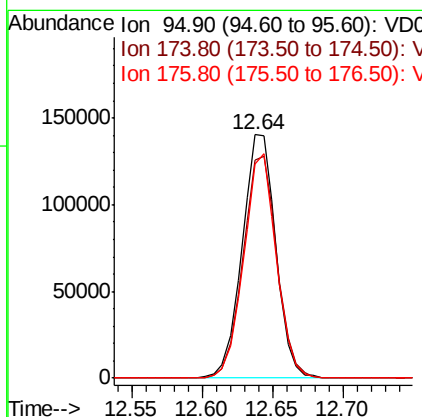
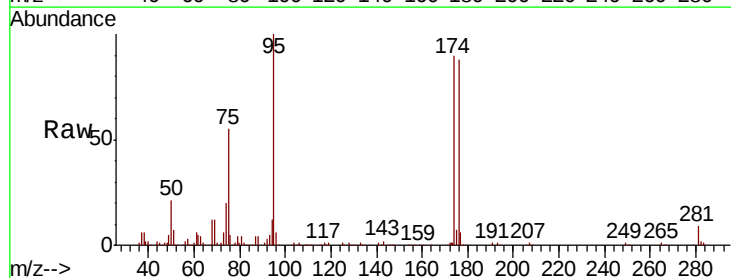
Instrument :
MSVOA_D
ClientSampled :

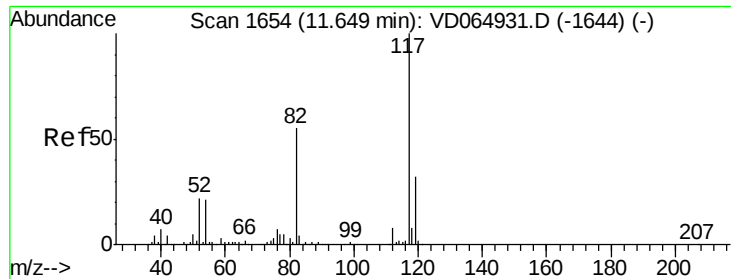
Tot Ion: 98 Resp: 786784
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 47.200 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064951.D
Acq: 24 Jan 2020 19:04

Tgt Ion: 95 Resp: 234290
Ion Ratio Lower Upper
95 100
174 92.0 0.0 186.8
176 89.1 0.0 183.4

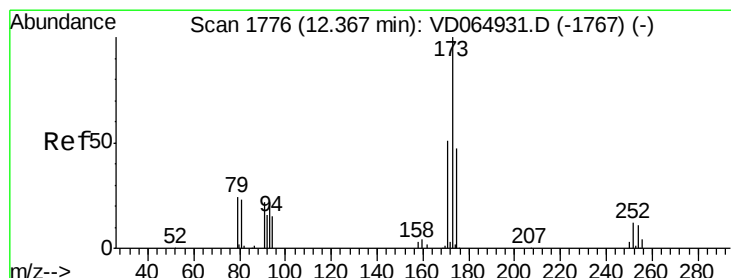
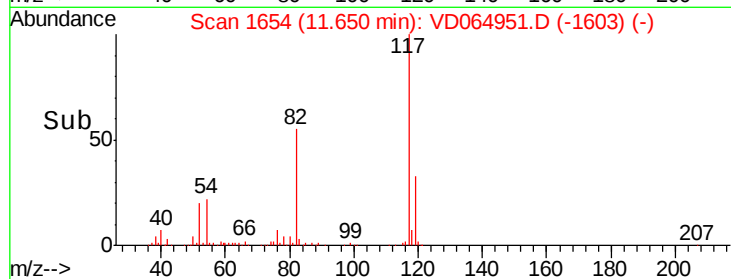
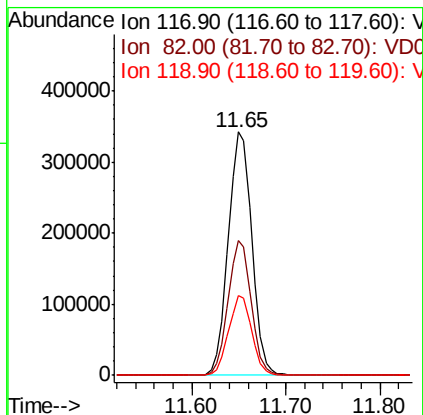
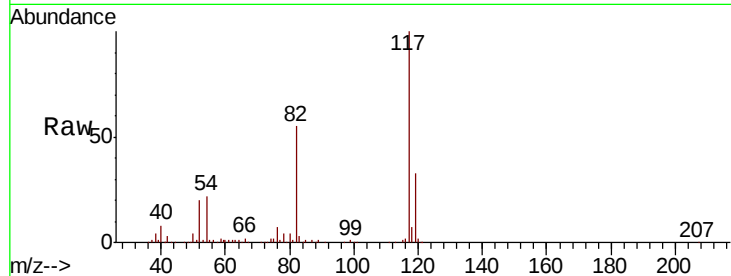




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064951.D
Acq: 24 Jan 2020 19:04

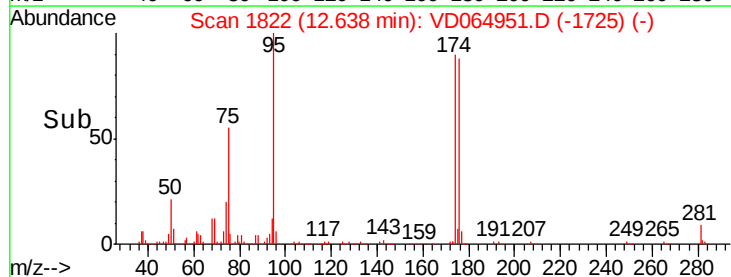
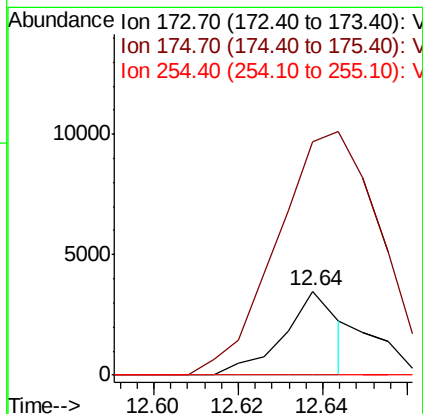
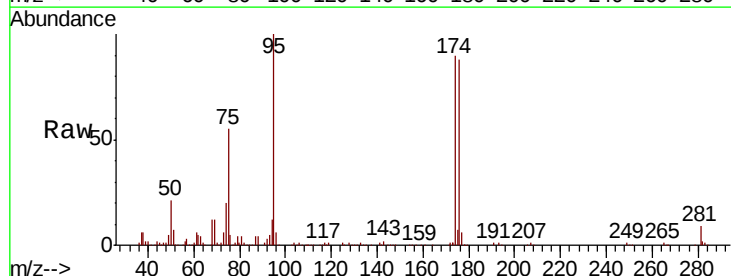
Instrument :
MSVOA_D
ClientSampleId :

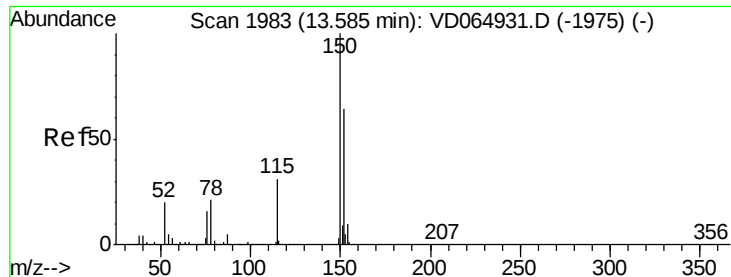
Tot Ion:117 Resp: 596759
Ion Ratio Lower Upper
117 100
82 55.4 43.6 65.4
119 33.0 25.2 37.8



#71
Bromoform
Concen: 1.229 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD064951.D
Acq: 24 Jan 2020 19:04

Tgt Ion:173 Resp: 3114
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064951.D

Acq: 24 Jan 2020 19:04

Instrument :

MSVOA_D

ClientSampleId :

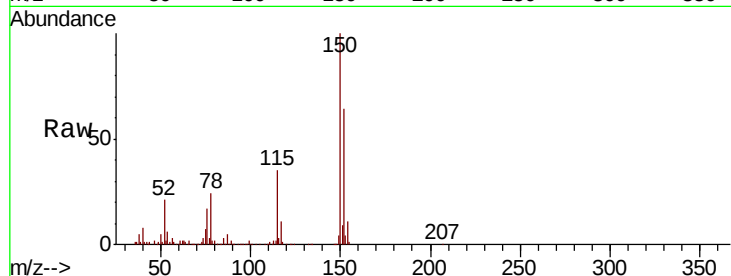
Tot Ion:152 Resp: 229876

Ion Ratio Lower Upper

152 100

115 55.1 28.1 84.4

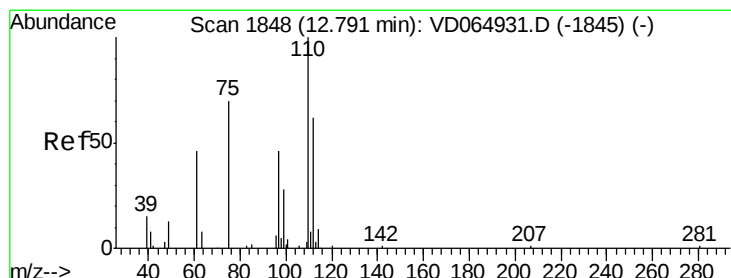
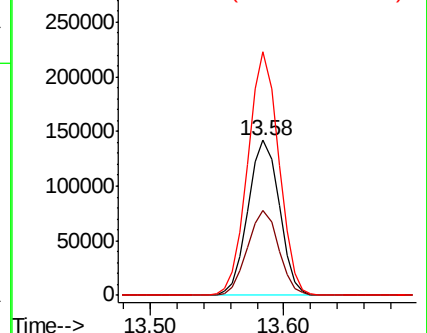
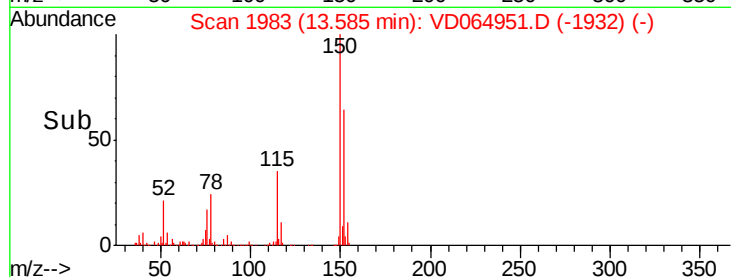
150 155.4 0.0 350.4



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: 65.971 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD064951.D

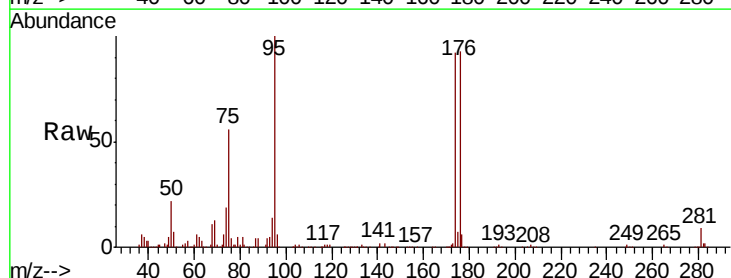
Acq: 24 Jan 2020 19:04

Tgt Ion: 75 Resp: 125872

Ion Ratio Lower Upper

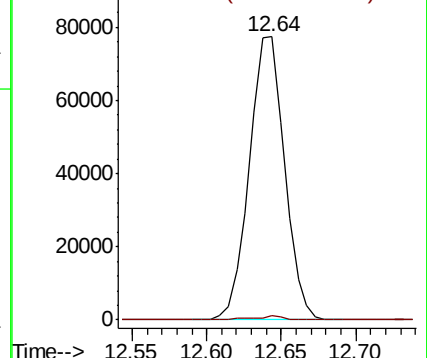
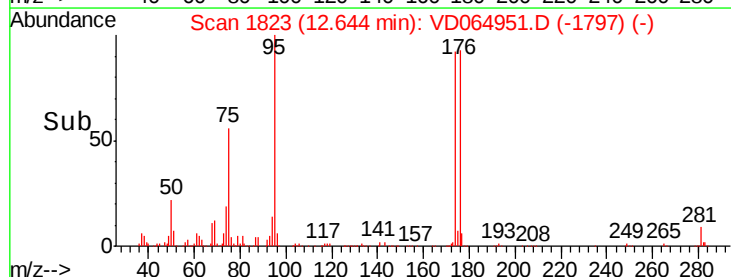
75 100

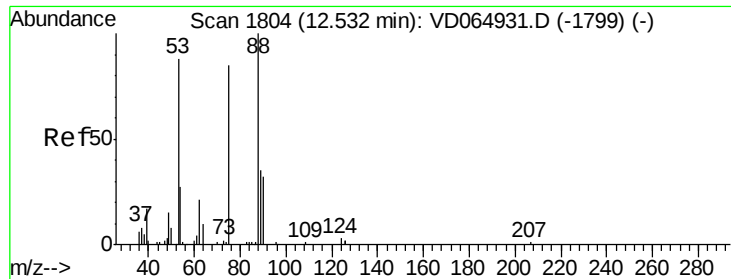
77 1.3 0.0 0.0#



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: 140.863 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD064951.D

Acq: 24 Jan 2020 19:04

Instrument :

MSVOA_D

ClientSampleId :

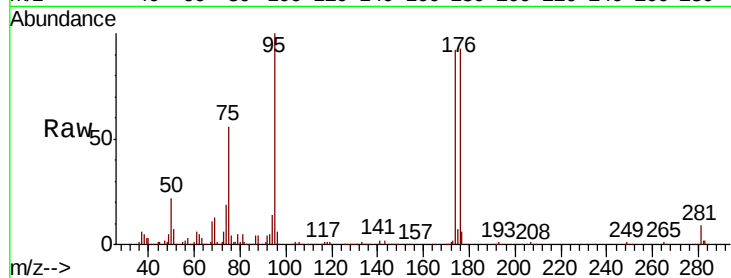
Tot Ion: 75 Resp: 125872

Ion Ratio Lower Upper

75 100

53 0.4 81.0 121.4#

89 0.0 36.2 54.4#



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

