

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064949.D
 Acq On : 24 Jan 2020 18:07
 Operator : VA/SY
 Sample : L1242-05
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 25 02:40:13 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	7.98	168	431778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	697387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	657250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	277989	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	215877	52.12	ug/l	0.00
Spiked Amount						
			Recovery	=	104.24%	
35) Dibromofluoromethane	7.92	113	224238	51.17	ug/l	0.00
Spiked Amount						
			Recovery	=	102.34%	
50) Toluene-d8	10.34	98	850041	50.25	ug/l	0.00
Spiked Amount						
			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.64	95	265949	51.38	ug/l	0.00
Spiked Amount						
			Recovery	=	102.76%	

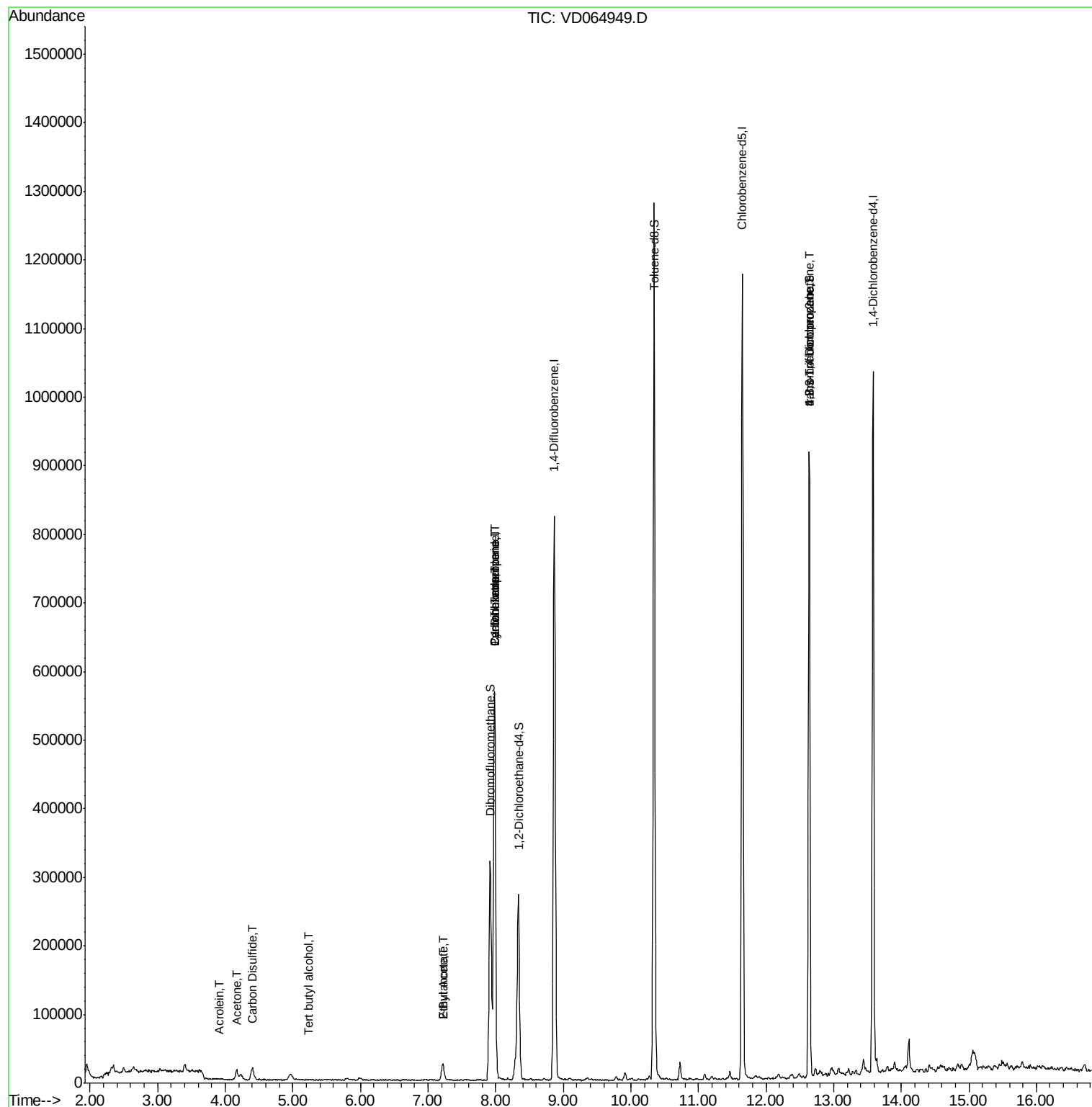
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	542	2.368	ug/l #	74
13) Acrolein	3.91	56	545	1.900	ug/l #	1
16) Acetone	4.17	43	23489	33.193	ug/l	95
17) Carbon Disulfide	4.40	76	35234	2.848	ug/l	97
20) Methylene Chloride	4.97	84	6113	Below Cal	#	72
25) 2-Butanone	7.23	43	8483	7.581	ug/l #	90
31) Cyclohexane	7.98	56	10802	1.497	ug/l #	44
36) 1,1-Dichloropropene	7.98	75	31206	4.640	ug/l #	44
37) Ethyl Acetate	7.23	43	8483	3.054	ug/l #	81
38) Carbon Tetrachloride	7.98	117	40340	5.675	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	145336	62.989	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	145336	134.495	ug/l #	9

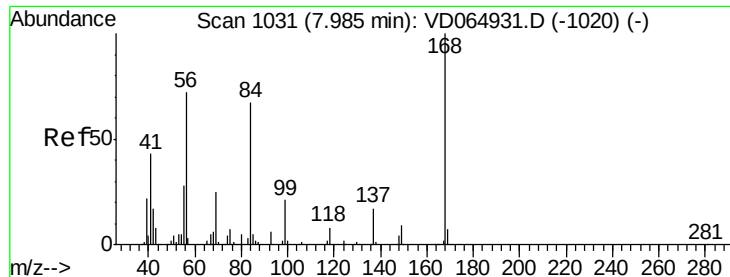
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064949.D

Acq: 24 Jan 2020 18:07

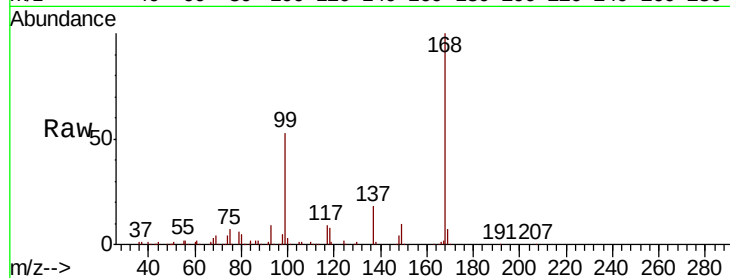
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 431778

Ion Ratio Lower Upper

168 100

99 52.8 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

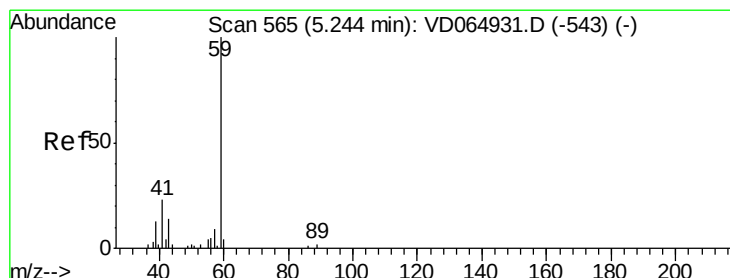
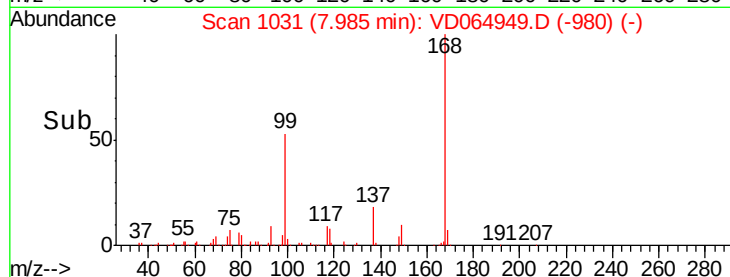
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.368 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.00 min

Lab File: VD064949.D

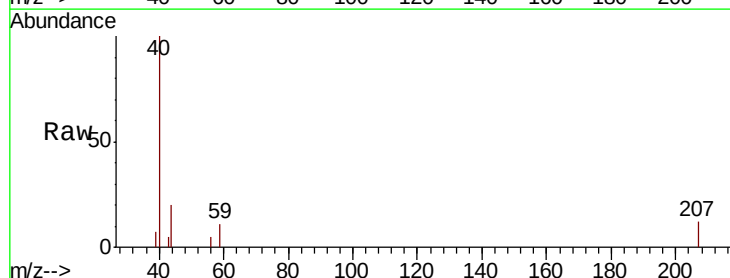
Acq: 24 Jan 2020 18:07

Tgt Ion: 59 Resp: 542

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

5.24

400

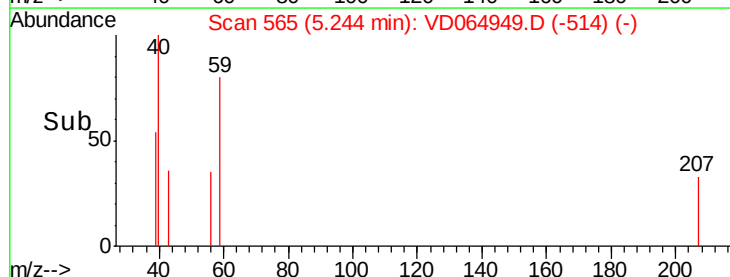
300

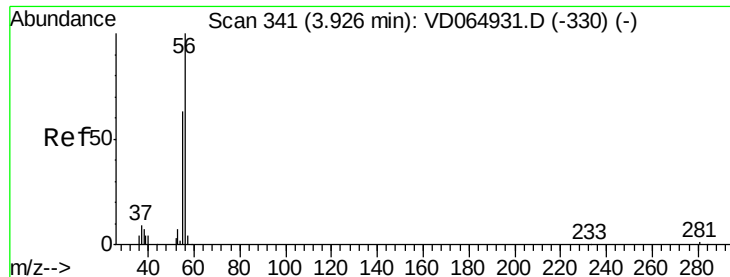
200

100

0

Time-->





#13

Acrolein

Concen: 1.900 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD064949.D

Acq: 24 Jan 2020 18:07

Instrument :

MSVOA_D

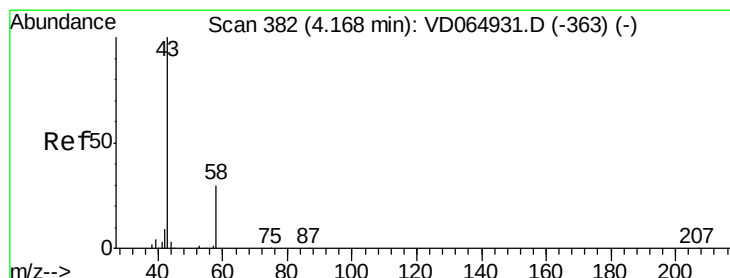
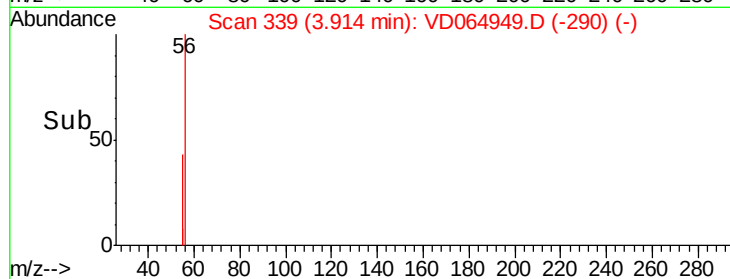
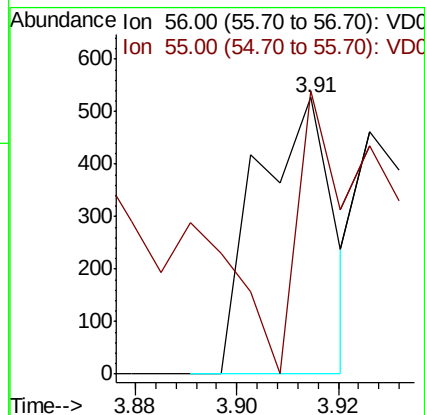
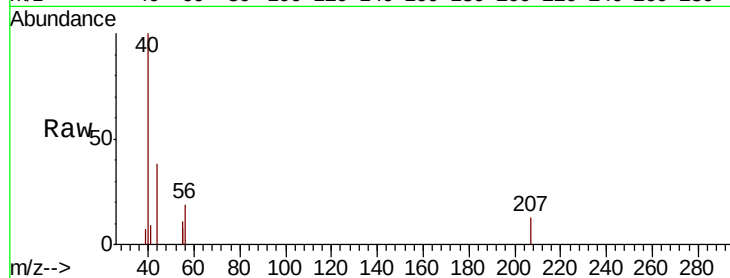
ClientSampleId :

Tot Ion: 56 Resp: 545

Ion Ratio Lower Upper

56 100

55 167.2 59.7 89.5#



#16

Acetone

Concen: 33.193 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064949.D

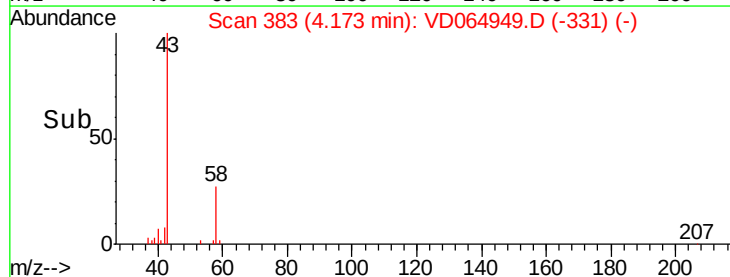
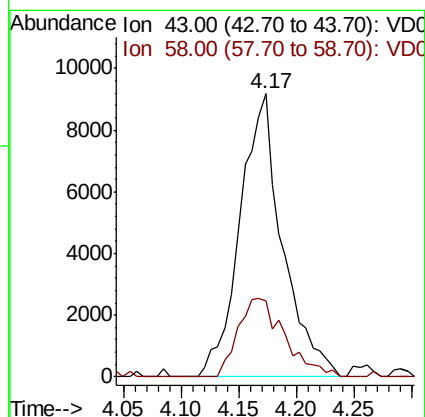
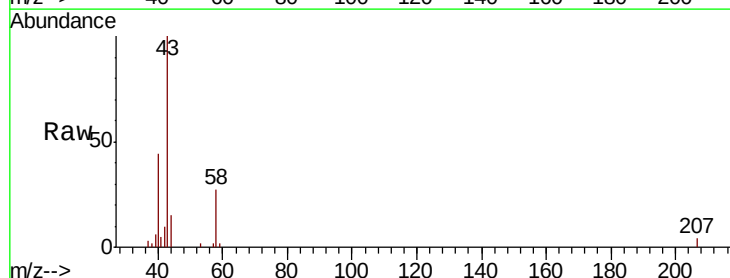
Acq: 24 Jan 2020 18:07

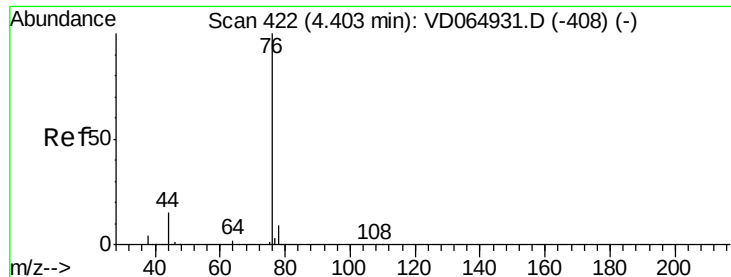
Tgt Ion: 43 Resp: 23489

Ion Ratio Lower Upper

43 100

58 26.9 23.8 35.8





#17

Carbon Disulfide

Concen: 2.848 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064949.D

Acq: 24 Jan 2020 18:07

Instrument :

MSVOA_D

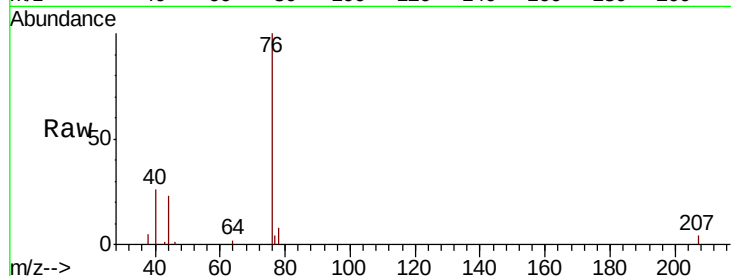
ClientSampled :

Tot Ion: 76 Resp: 35234

Ion Ratio Lower Upper

76 100

78 7.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

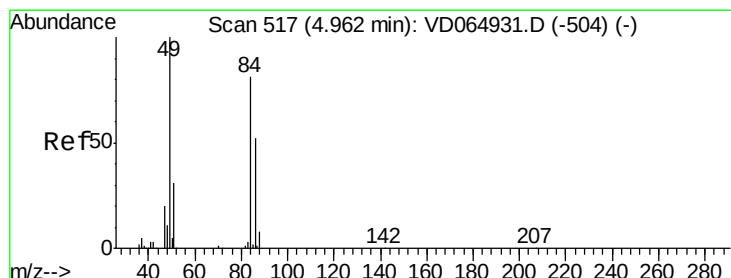
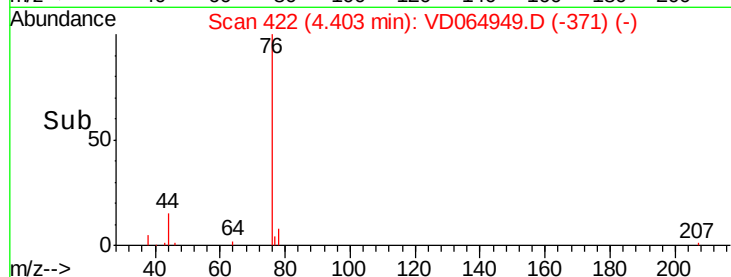
15000

10000

5000

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064949.D

Acq: 24 Jan 2020 18:07

Tgt Ion: 84 Resp: 6113

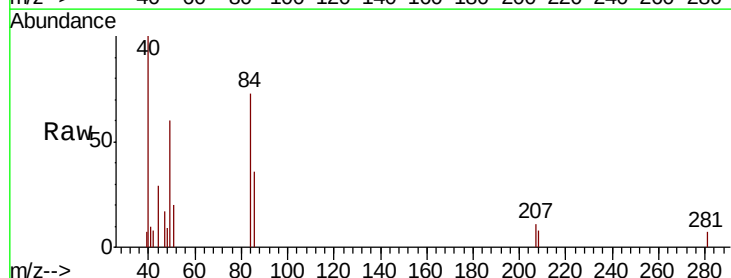
Ion Ratio Lower Upper

84 100

49 83.0 98.4 147.6#

51 26.9 30.8 46.2#

86 49.2 51.0 76.6#



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

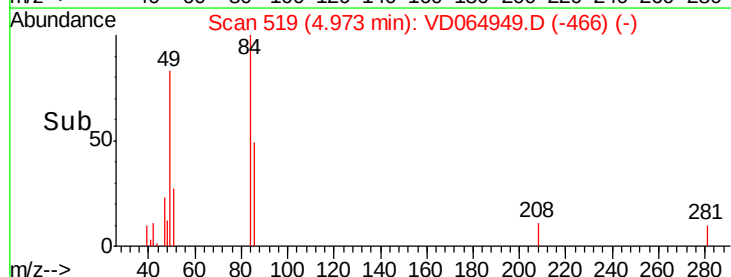
3000

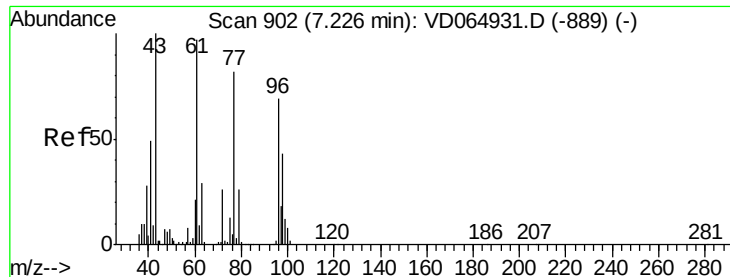
2000

1000

0

Time-->





#25

2-Butanone

Concen: 7.581 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064949.D

Acq: 24 Jan 2020 18:07

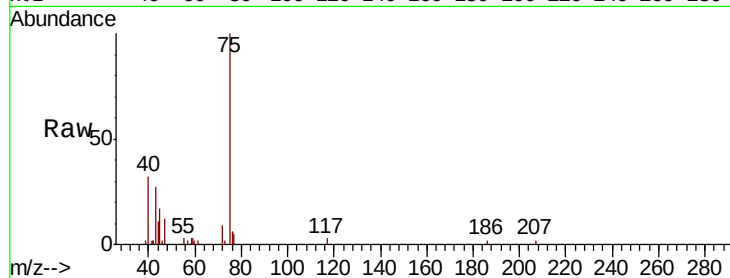
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 8483

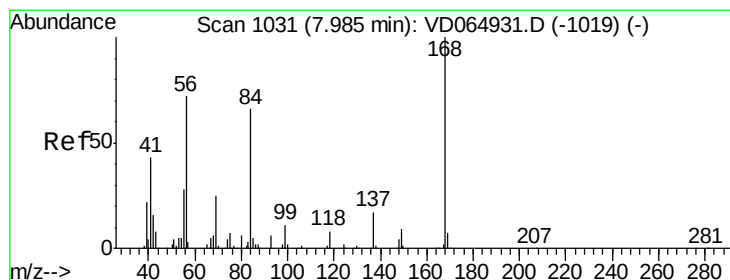
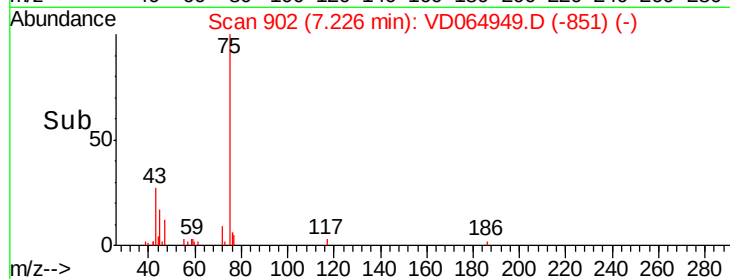
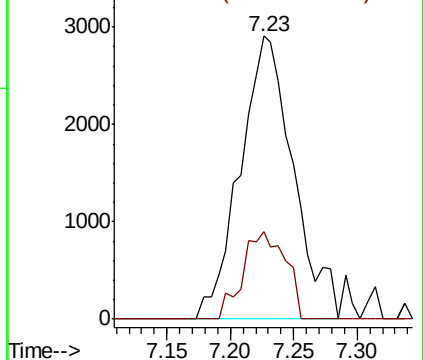
Ion Ratio Lower Upper

43 100

72 31.1 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: 1.497 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064949.D

Acq: 24 Jan 2020 18:07

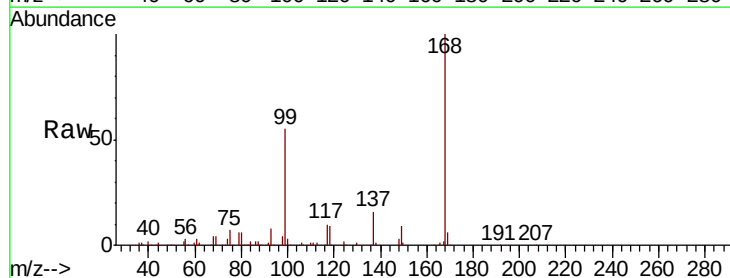
Tgt Ion: 56 Resp: 10802

Ion Ratio Lower Upper

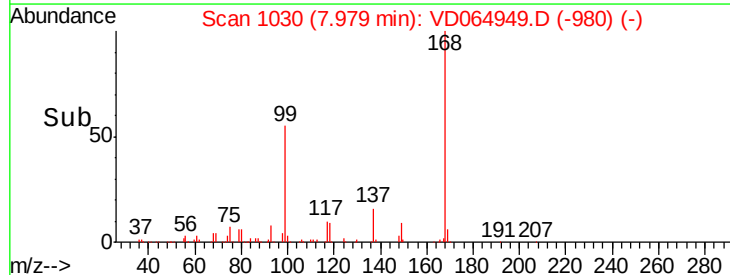
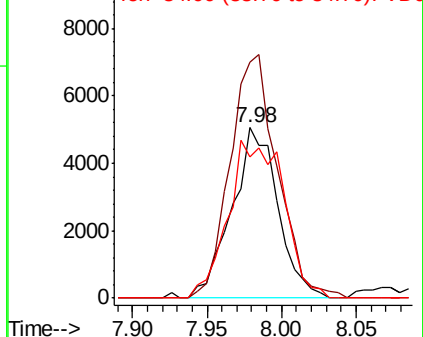
56 100

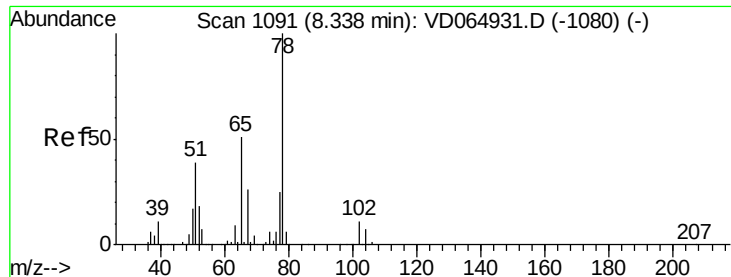
69 138.6 27.9 41.9#

84 83.0 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

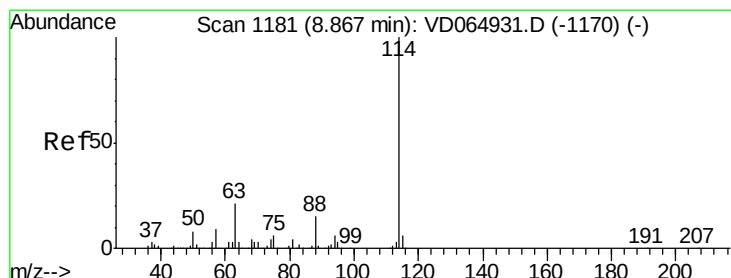
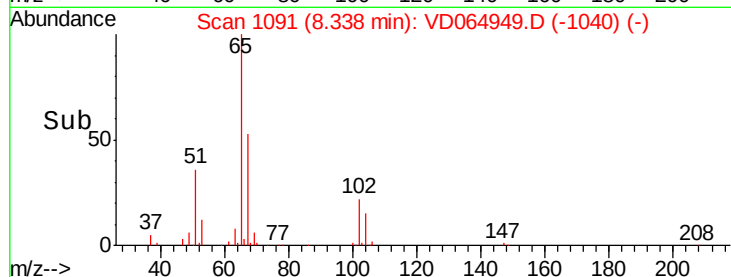
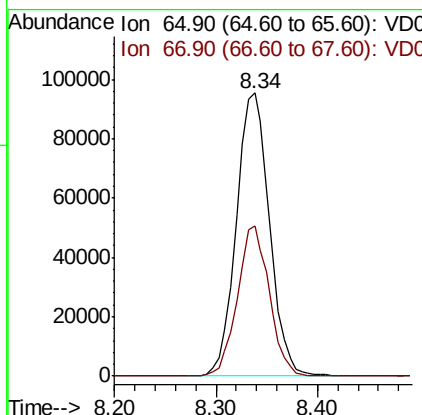
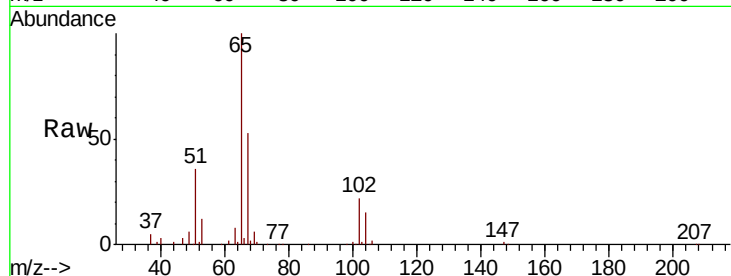




#33
 1,2-Dichloroethane-d4
 Concen: 52.123 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064949.D
 Acq: 24 Jan 2020 18:07

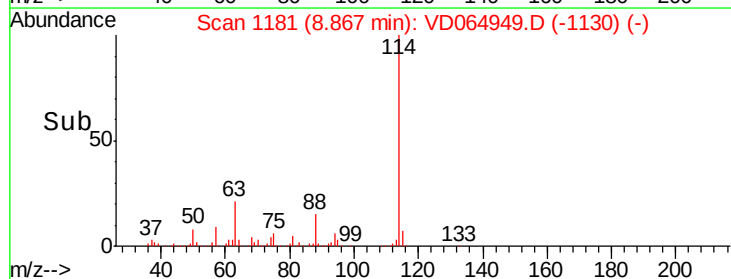
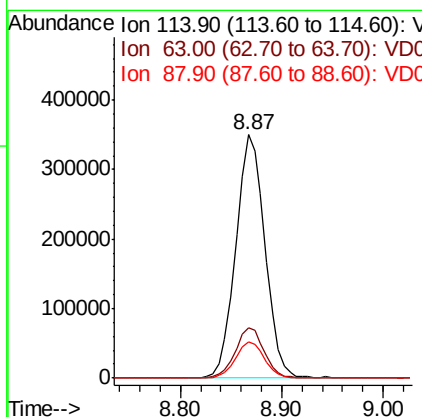
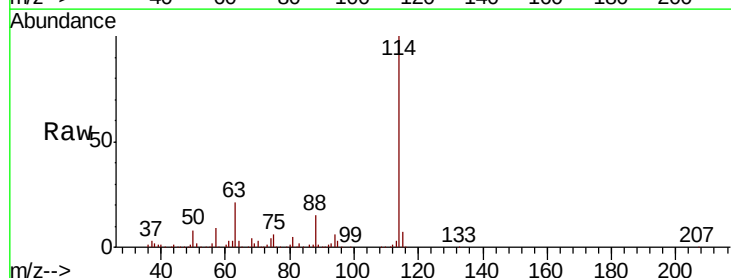
Instrument :
 MSVOA_D
 ClientSampled :

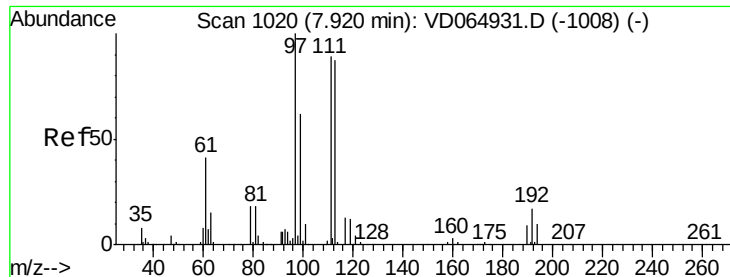
Tot Ion: 65 Resp: 215877
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064949.D
 Acq: 24 Jan 2020 18:07

Tgt Ion: 114 Resp: 697387
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.0
 88 14.9 0.0 29.4

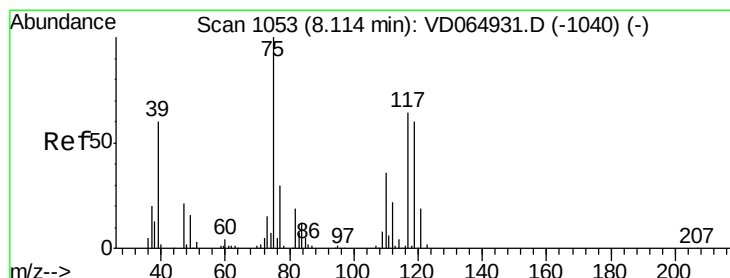
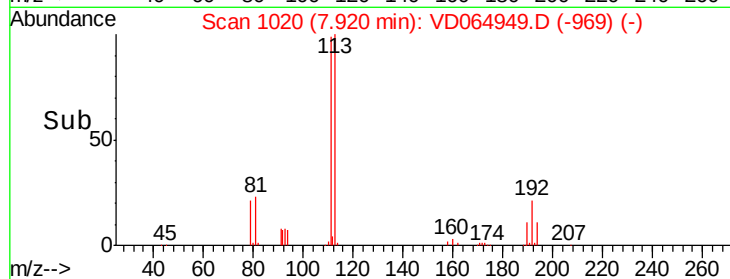
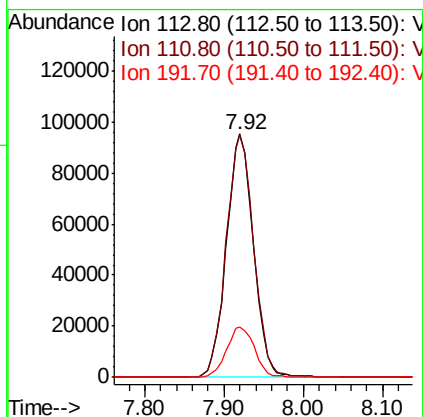
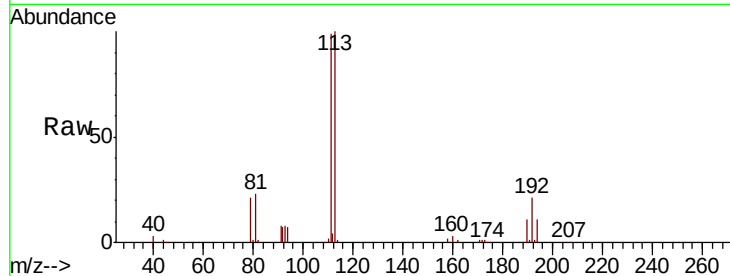




#35
 Dibromofluoromethane
 Concen: 51.167 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064949.D
 Acq: 24 Jan 2020 18:07

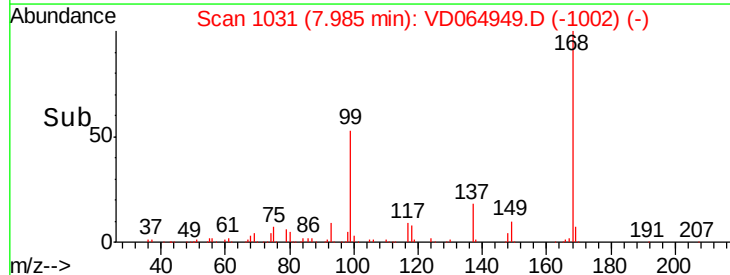
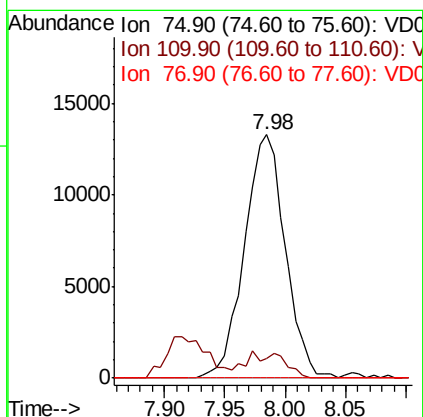
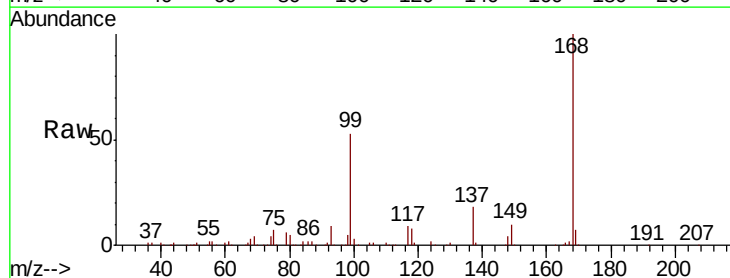
Instrument :
 MSVOA_D
 ClientSampleId :

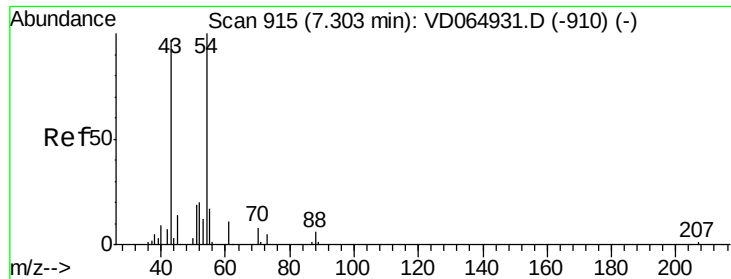
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.4	123.6
192	21.3	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 4.640 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064949.D
 Acq: 24 Jan 2020 18:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.5	17.3	52.0#
77	0.0	24.7	37.1#

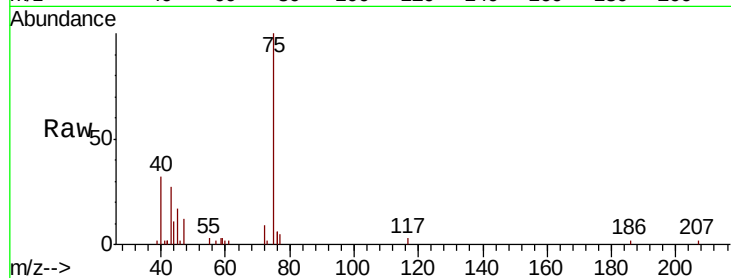




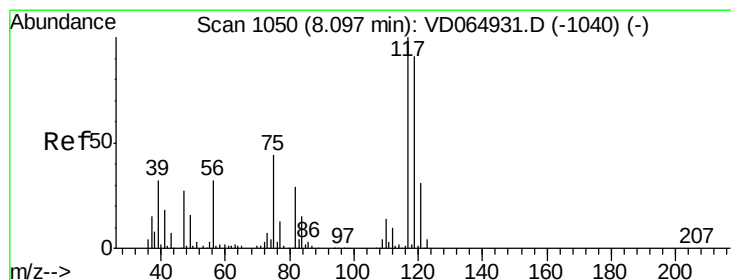
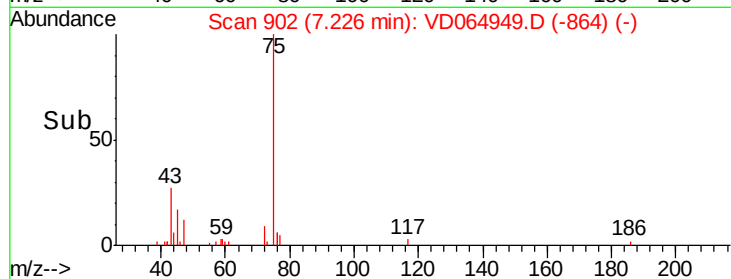
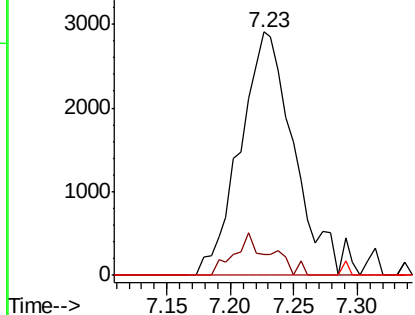
#37
Ethyl Acetate
Concen: 3.054 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.08 min
Lab File: VD064949.D
Acq: 24 Jan 2020 18:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 8483
Ion Ratio Lower Upper
43 100
61 7.9 11.0 16.4#
70 0.0 7.5 11.3#

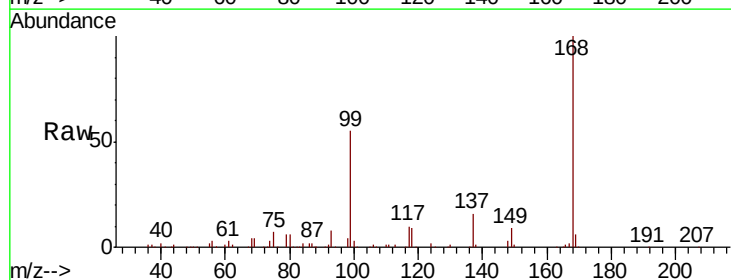


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

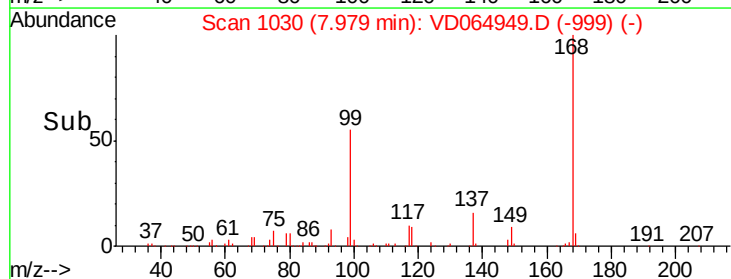
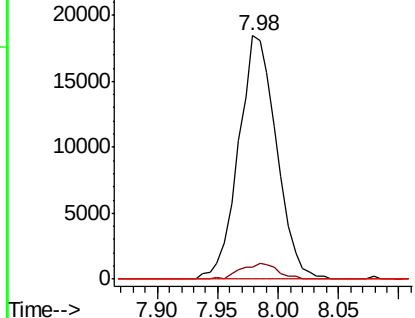


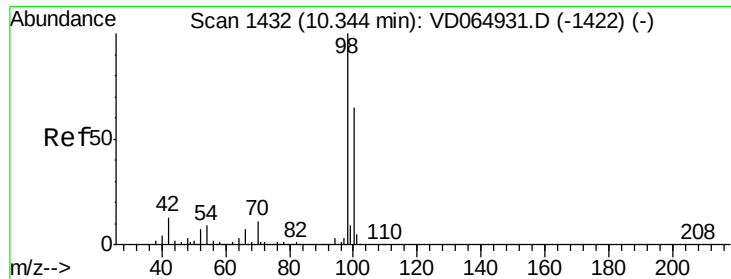
#38
Carbon Tetrachloride
Concen: 5.675 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064949.D
Acq: 24 Jan 2020 18:07

Tgt Ion: 117 Resp: 40340
Ion Ratio Lower Upper
117 100
119 4.7 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

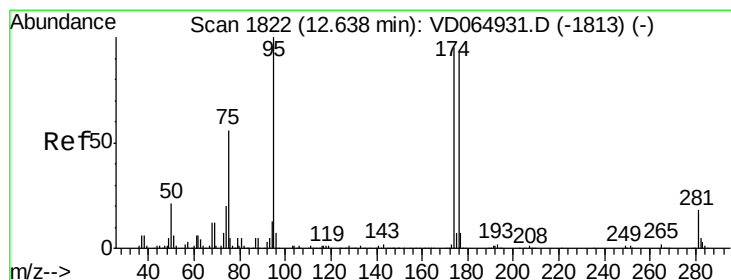
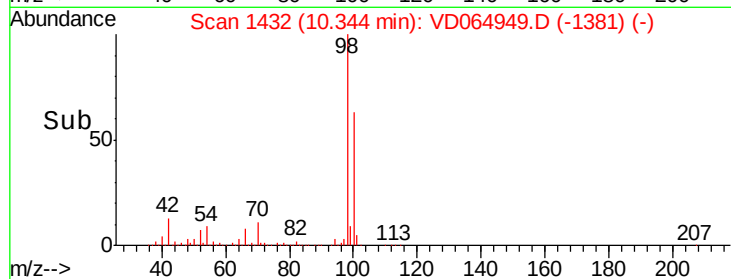
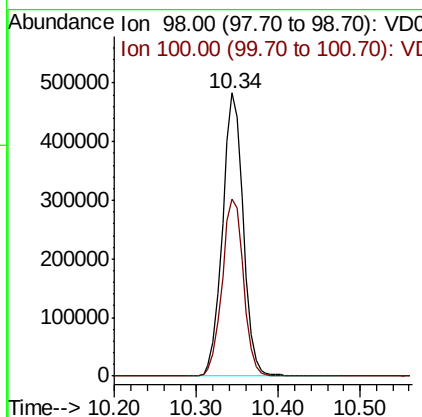
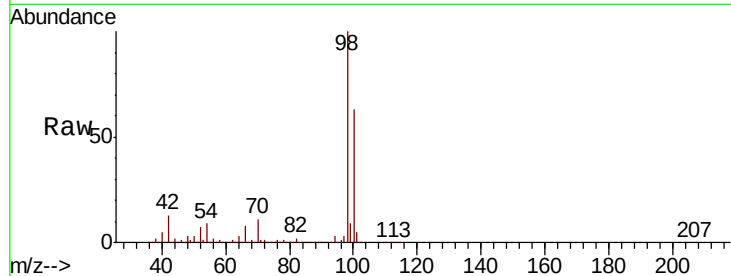




#50
Toluene-d8
Concen: 50.255 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064949.D
Acq: 24 Jan 2020 18:07

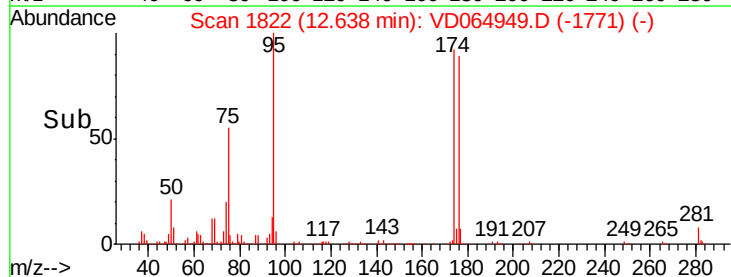
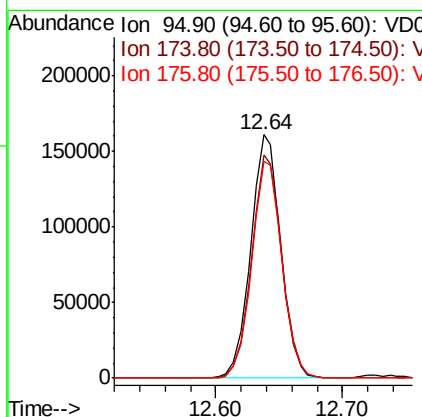
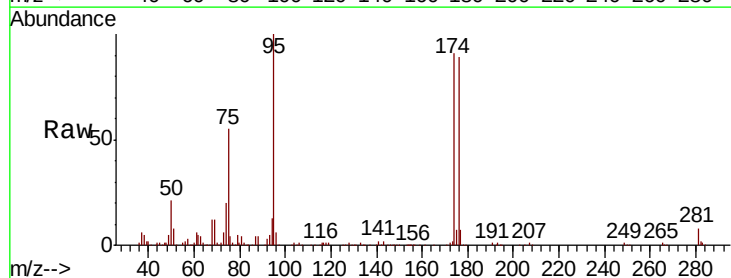
Instrument :
MSVOA_D
ClientSampled :

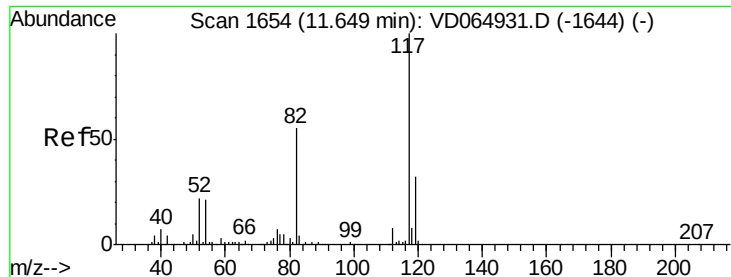
Tot Ion: 98 Resp: 850041
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 51.379 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064949.D
Acq: 24 Jan 2020 18:07

Tgt Ion: 95 Resp: 265949
Ion Ratio Lower Upper
95 100
174 91.9 0.0 186.8
176 89.3 0.0 183.4

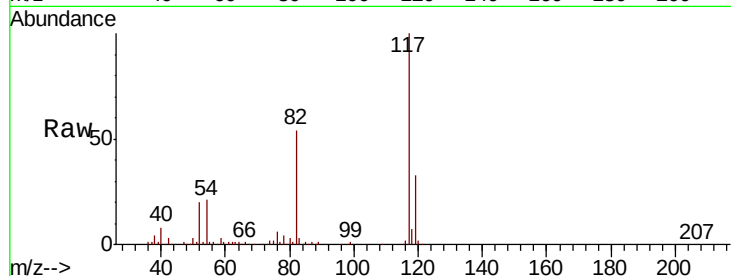




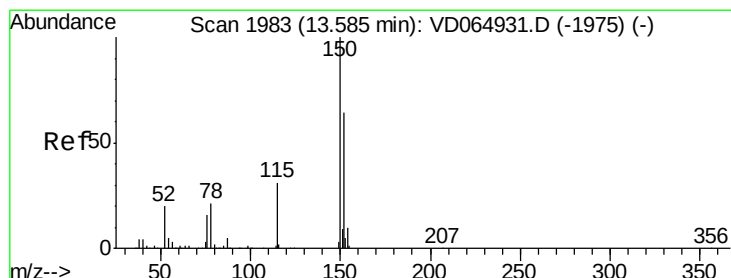
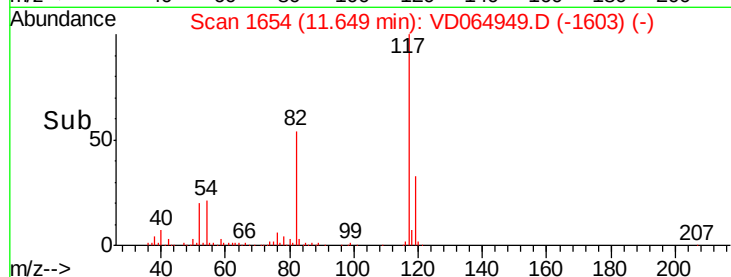
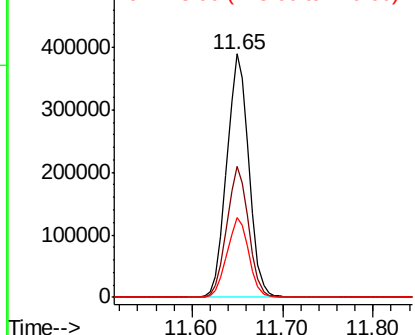
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064949.D
Acq: 24 Jan 2020 18:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.6	65.4
119	32.7	25.2	37.8

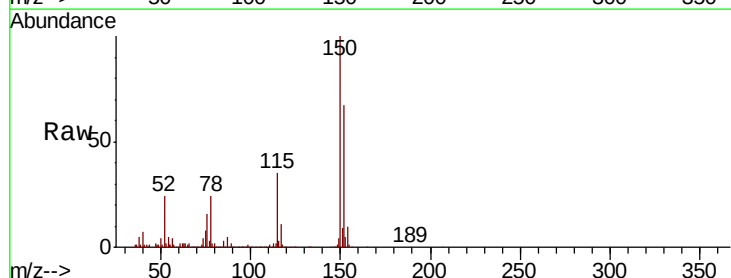


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

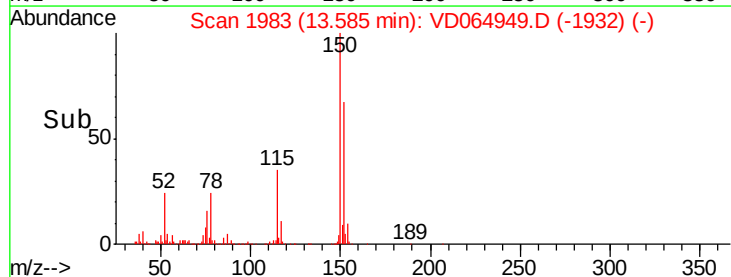
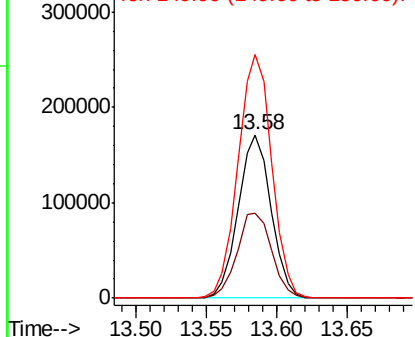


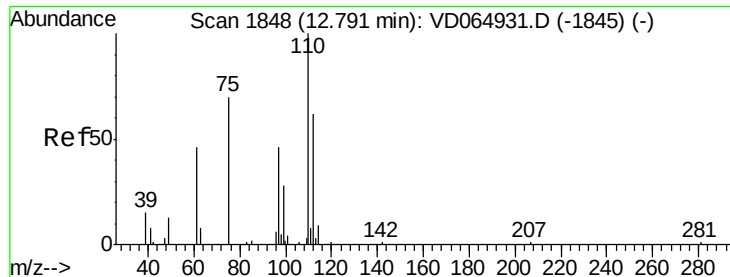
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064949.D
Acq: 24 Jan 2020 18:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	28.1	84.4
150	153.3	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: 62.989 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064949.D

Acq: 24 Jan 2020 18:07

Instrument :

MSVOA_D

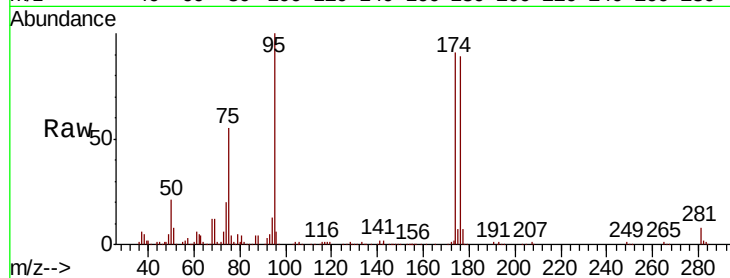
ClientSampled :

Tot Ion: 75 Resp: 145336

Ion Ratio Lower Upper

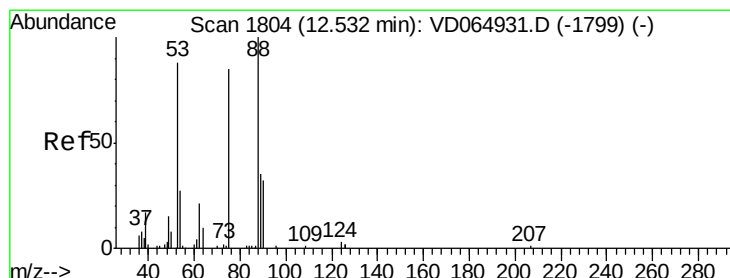
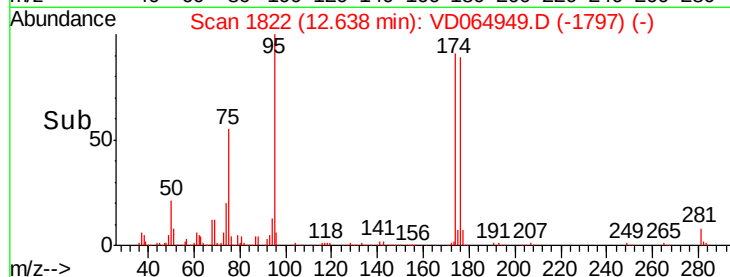
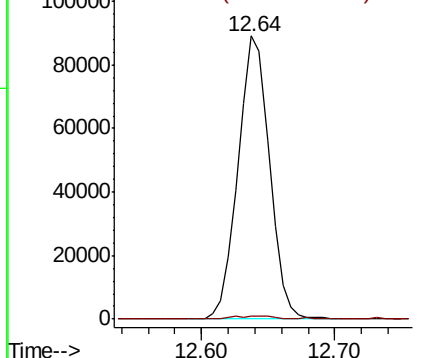
75 100

77 1.4 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: 134.495 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064949.D

Acq: 24 Jan 2020 18:07

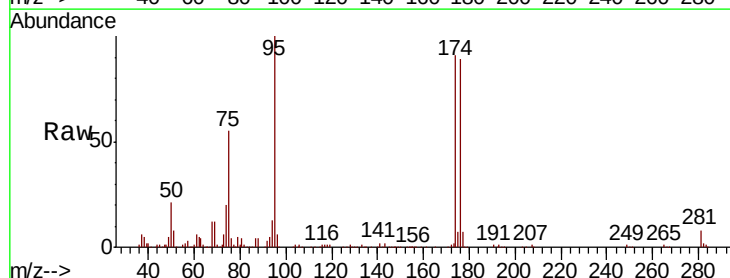
Tgt Ion: 75 Resp: 145336

Ion Ratio Lower Upper

75 100

53 0.1 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

