

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064941.D
 Acq On : 24 Jan 2020 14:16
 Operator : VA/SY
 Sample : L1243-02RE
 Misc : 4.41G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 25 02:38:40 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	126776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	203128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	214995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	103835	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	92517	76.08	ug/l	0.00
Spiked Amount			Recovery	=	152.16%	
35) Dibromofluoromethane	7.92	113	76294	59.77	ug/l	0.00
Spiked Amount			Recovery	=	119.54%	
50) Toluene-d8	10.34	98	244594	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	12.64	95	89024	59.05	ug/l	0.00
Spiked Amount			Recovery	=	118.10%	

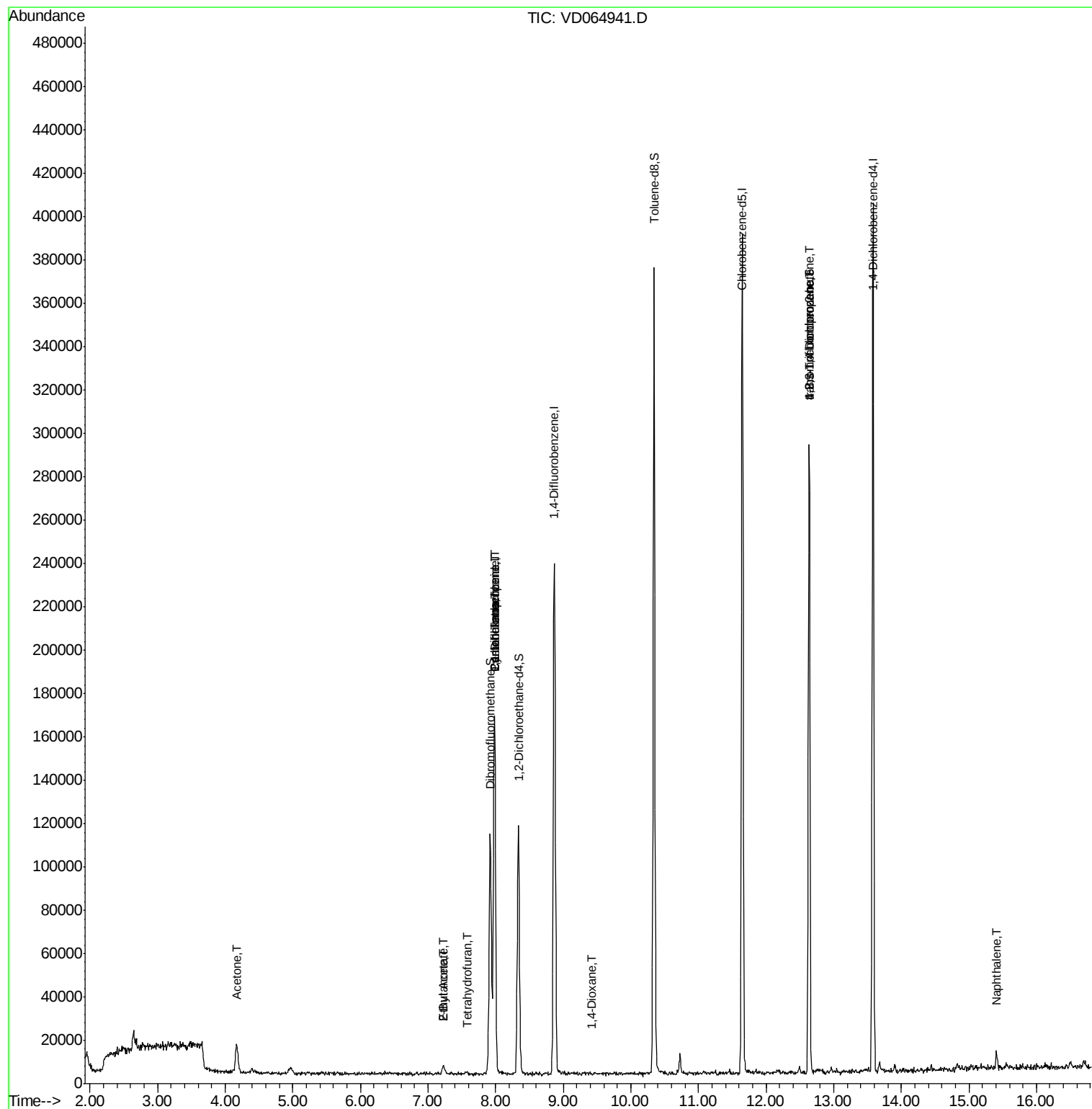
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	23995	83.580	ug/l #	82
20) Methylene Chloride	4.96	84	1057	Below Cal	#	80
25) 2-Butanone	7.23	43	6304	19.188	ug/l	99
29) Tetrahydrofuran	7.58	42	431	2.126	ug/l #	34
31) Cyclohexane	7.99	56	2875	1.357	ug/l #	29
36) 1,1-Dichloropropene	7.98	75	9631	4.917	ug/l #	52
37) Ethyl Acetate	7.23	43	6304	7.792	ug/l #	69
38) Carbon Tetrachloride	7.98	117	13032	6.295	ug/l #	18
49) 1,4-Dioxane	9.43	88	57	6.883	ug/l #	27
76) 1,2,3-Trichloropropane	12.64	75	48429	56.192	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	48429	119.984	ug/l #	9
95) Naphthalene	15.41	128	7053	2.233	ug/l	98

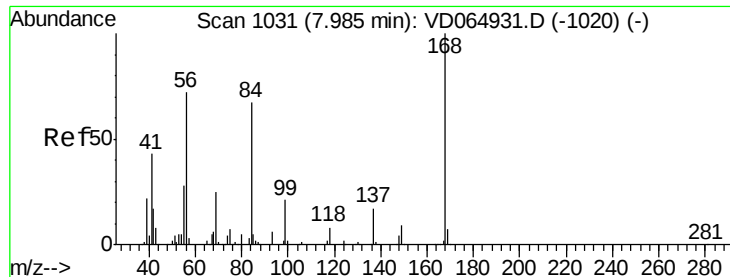
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1030

Delta R.T. -0.01 min

Lab File: VD064941.D

Acq: 24 Jan 2020 14:16

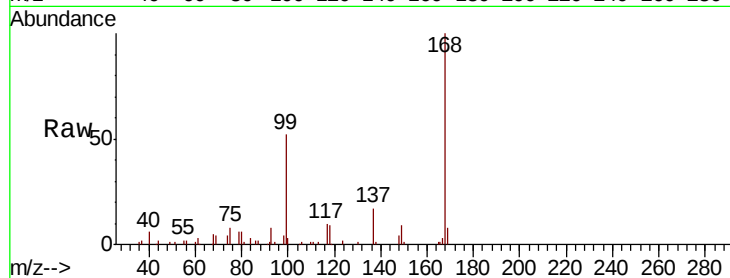
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 126776

Ion Ratio Lower Upper

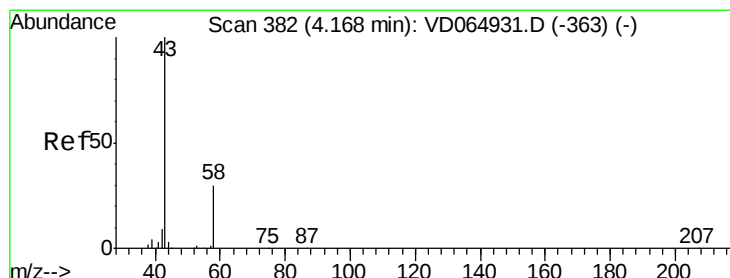
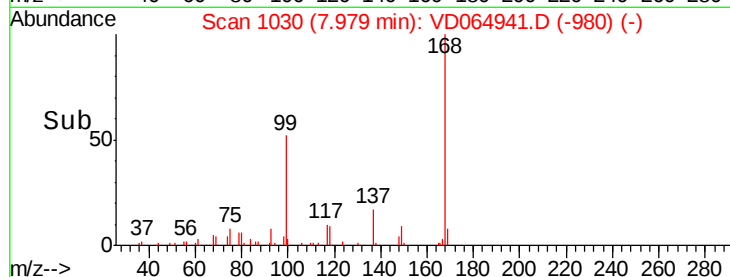
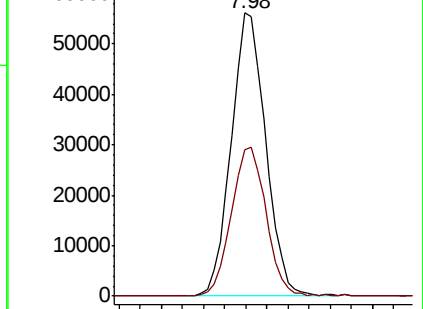
168 100

99 51.6 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 83.580 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064941.D

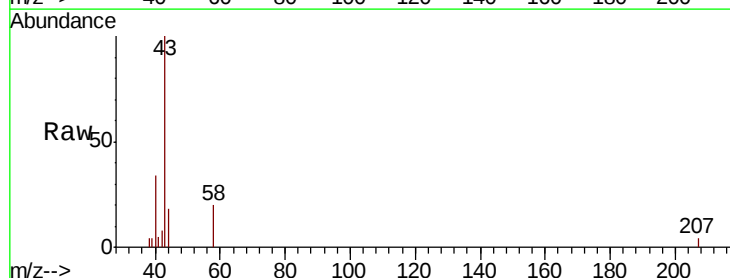
Acq: 24 Jan 2020 14:16

Tgt Ion: 43 Resp: 23995

Ion Ratio Lower Upper

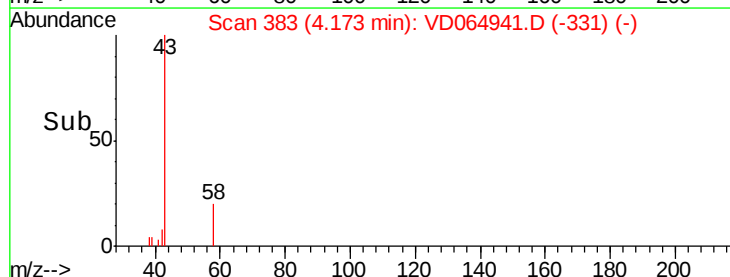
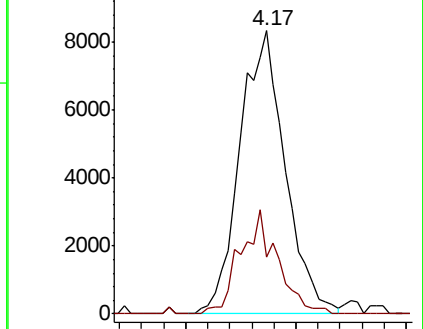
43 100

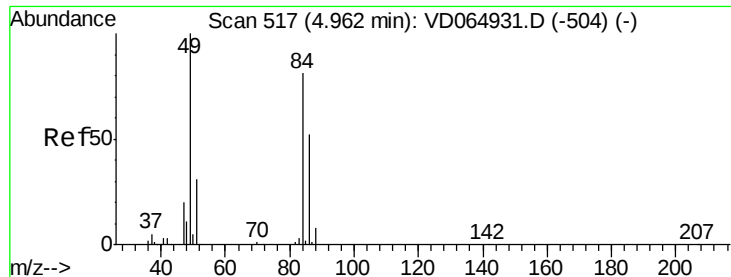
58 20.2 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

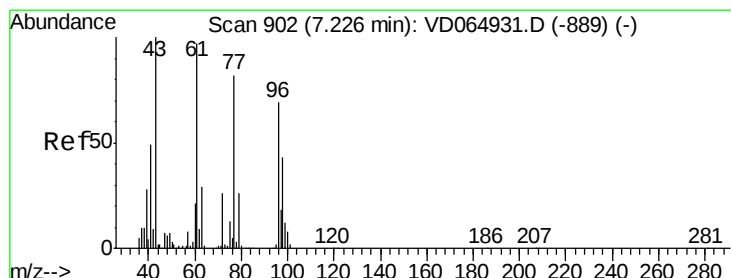
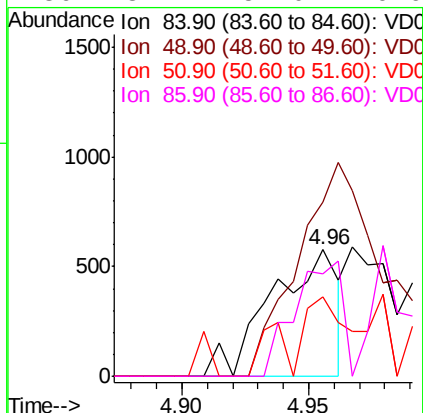
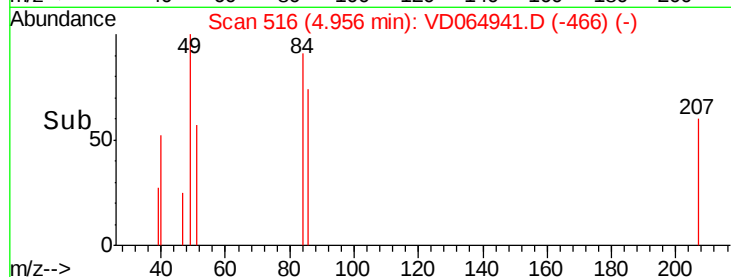
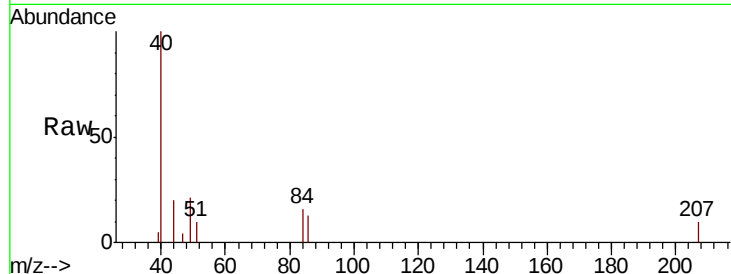




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064941.D
Acq: 24 Jan 2020 14:16

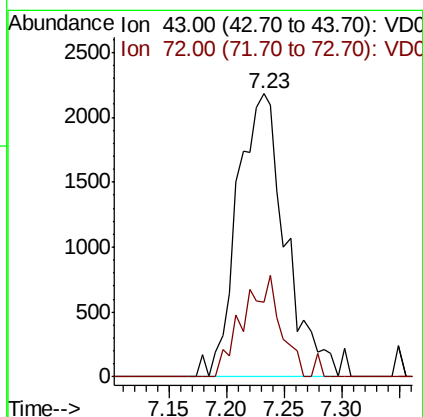
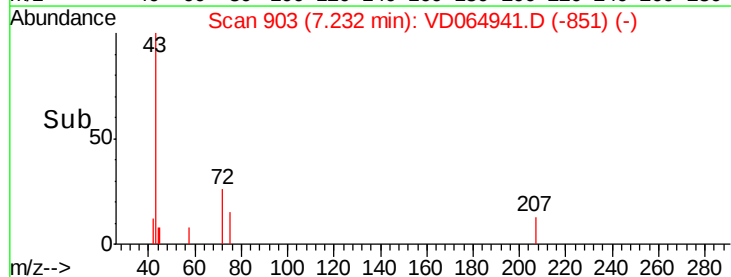
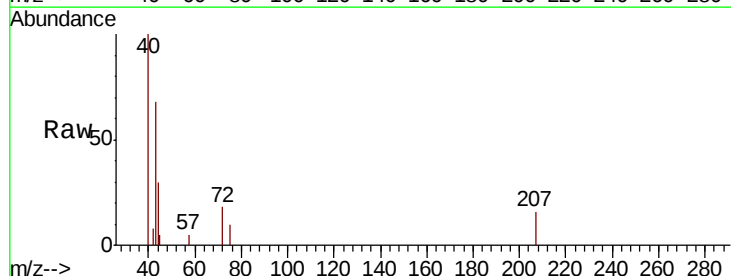
Instrument :
MSVOA_D
ClientSampled :

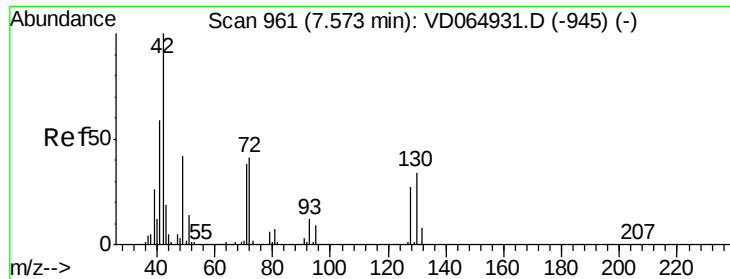
Tot Ion: 84 Resp: 1057
Ion Ratio Lower Upper
84 100
49 137.3 98.4 147.6
51 62.6 30.8 46.2#
86 81.1 51.0 76.6#



#25
2-Butanone
Concen: 19.188 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064941.D
Acq: 24 Jan 2020 14:16

Tgt Ion: 43 Resp: 6304
Ion Ratio Lower Upper
43 100
72 26.3 20.6 31.0

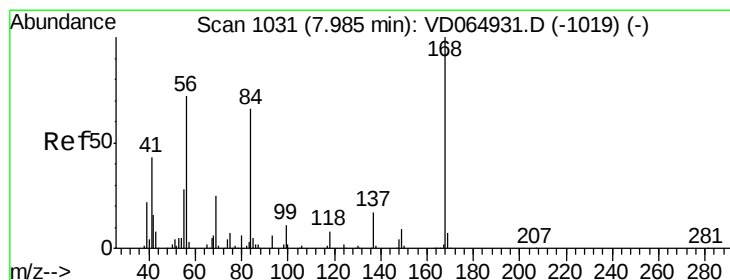
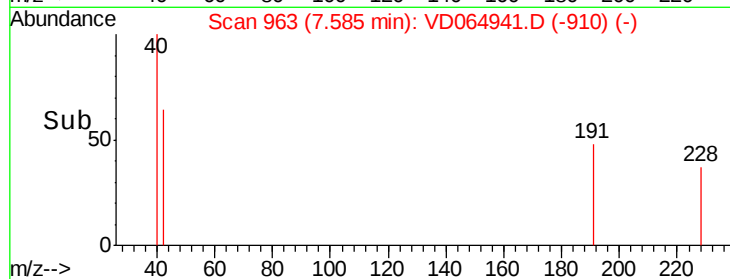
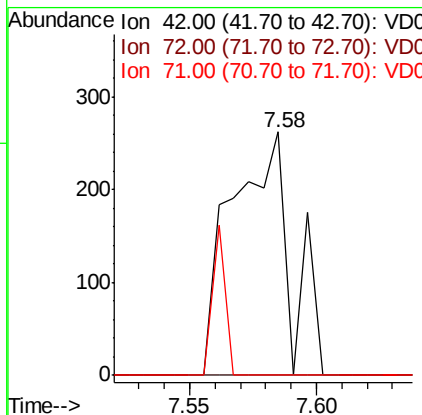
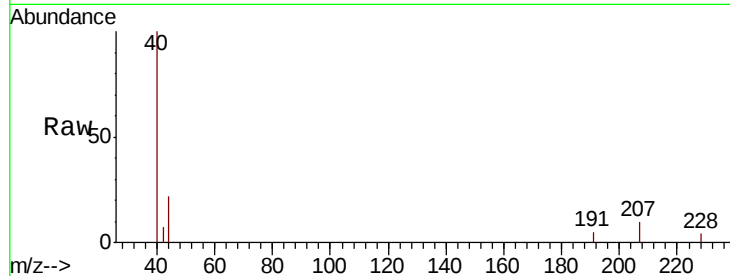




#29
Tetrahydrofuran
Concen: 2.126 ug/l
RT: 7.58 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD064941.D
Acq: 24 Jan 2020 14:16

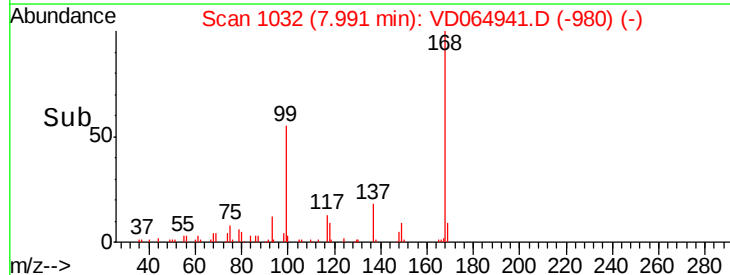
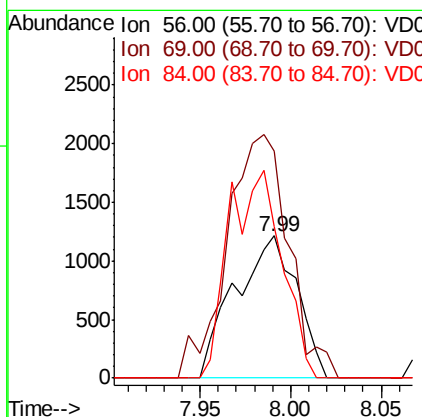
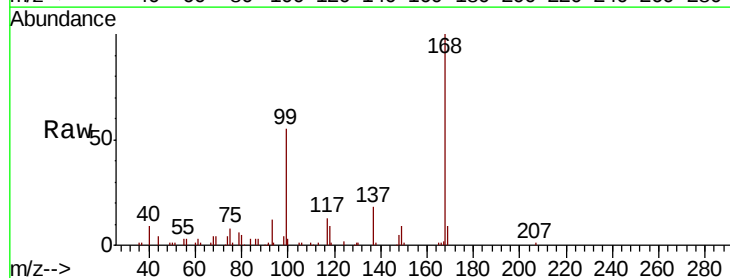
Instrument :
MSVOA_D
ClientSampleId :

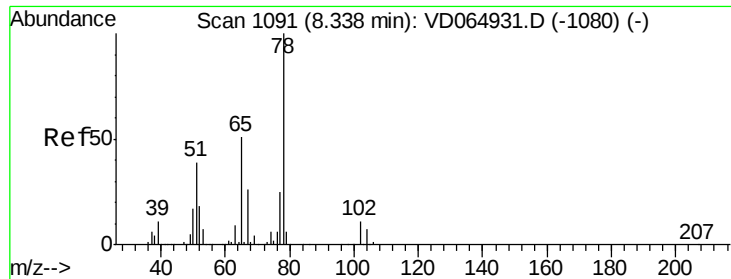
Tot Ion: 42 Resp: 431
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 0.0 31.5 47.3#



#31
Cyclohexane
Concen: 1.357 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064941.D
Acq: 24 Jan 2020 14:16

Tgt Ion: 56 Resp: 2875
Ion Ratio Lower Upper
56 100
69 159.8 27.9 41.9#
84 106.3 72.8 109.2





#33

1,2-Dichloroethane-d4

Concen: 76.079 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064941.D

Acq: 24 Jan 2020 14:16

Instrument :

MSVOA_D

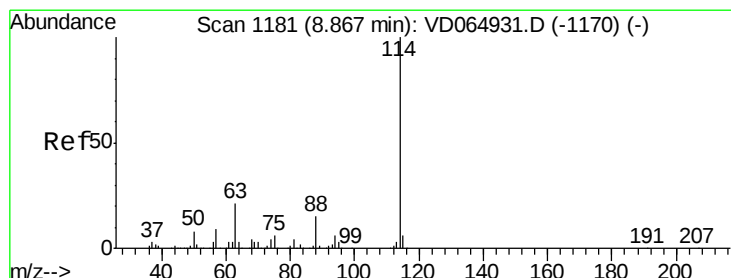
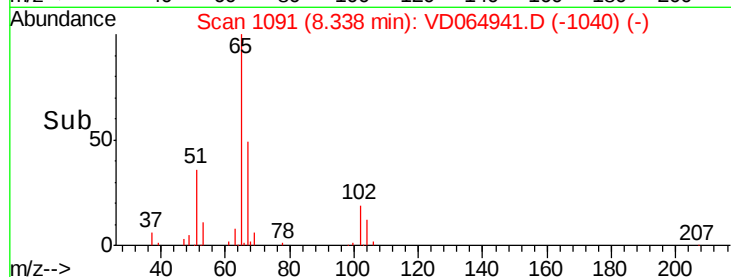
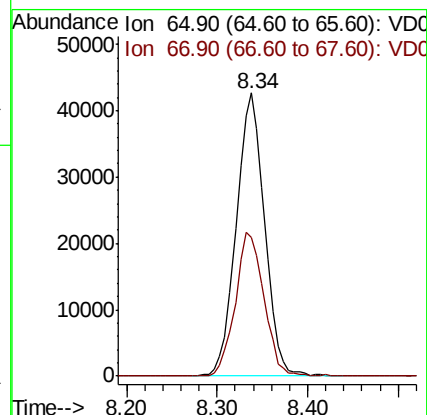
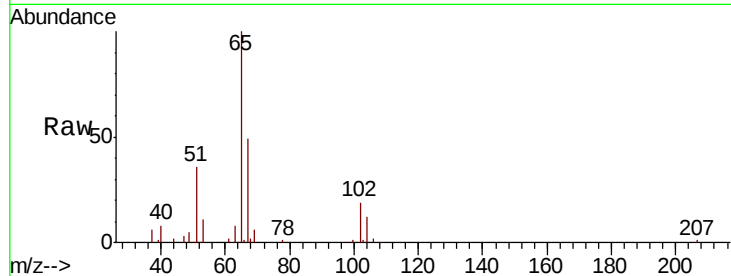
ClientSampleId :

Tot Ion: 65 Resp: 92517

Ion Ratio Lower Upper

65 100

67 51.3 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: VD064941.D

Acq: 24 Jan 2020 14:16

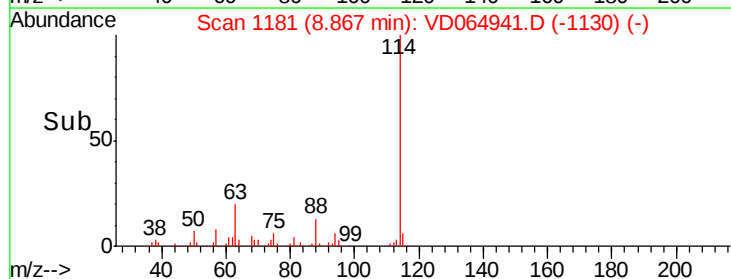
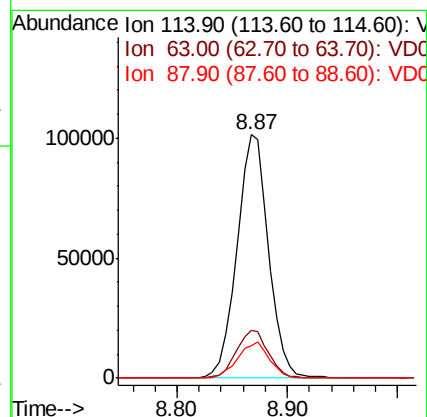
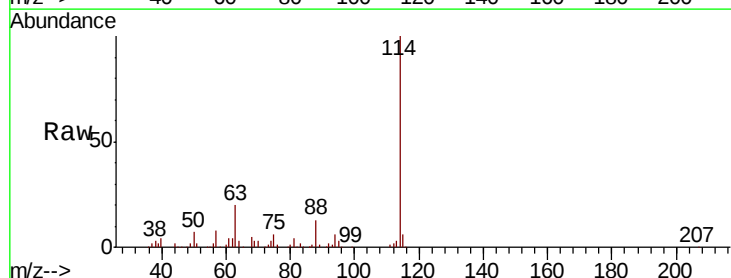
Tgt Ion: 114 Resp: 203128

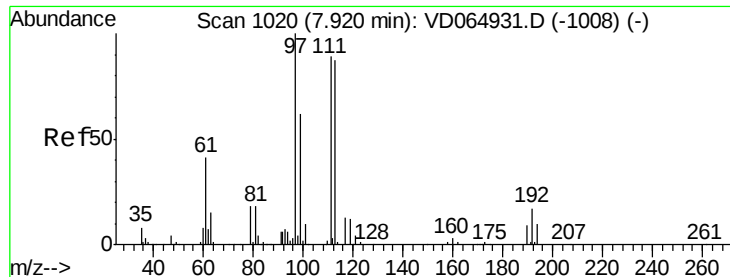
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.0

88 13.1 0.0 29.4

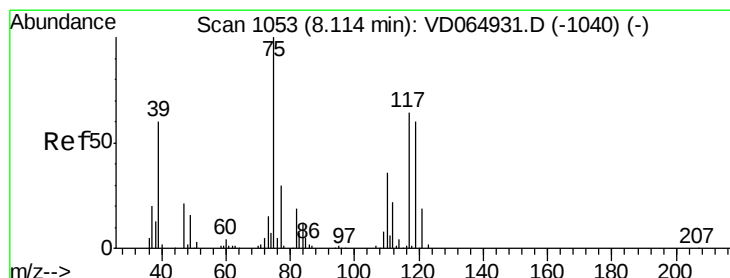
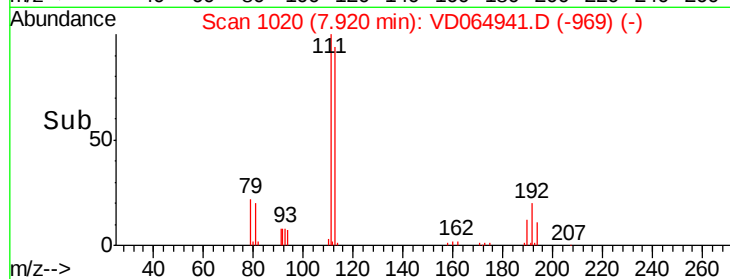
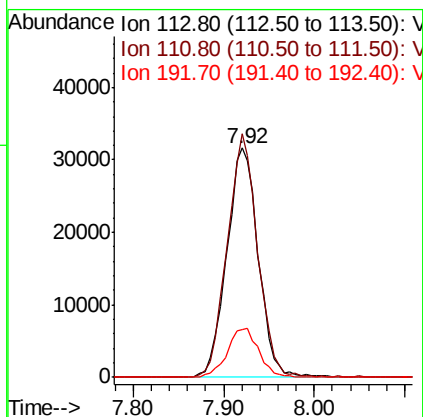
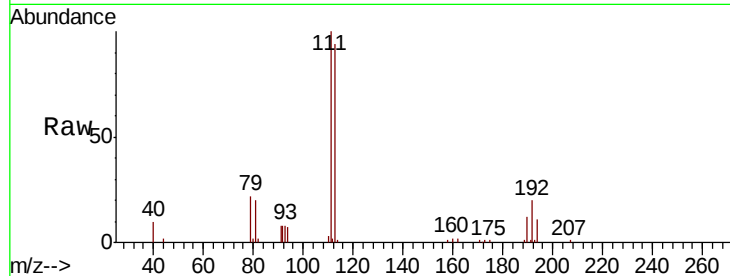




#35
 Dibromofluoromethane
 Concen: 59.769 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064941.D
 Acq: 24 Jan 2020 14:16

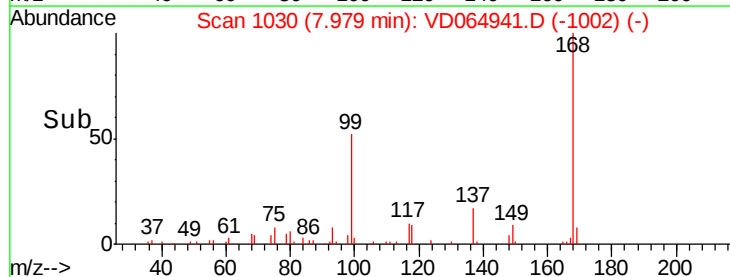
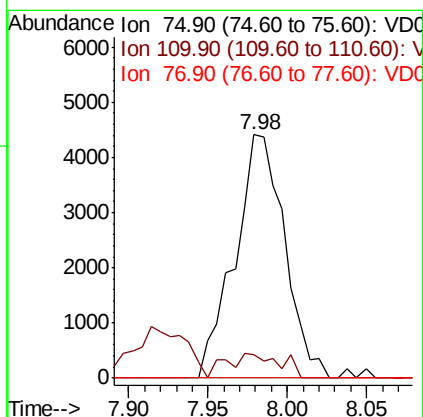
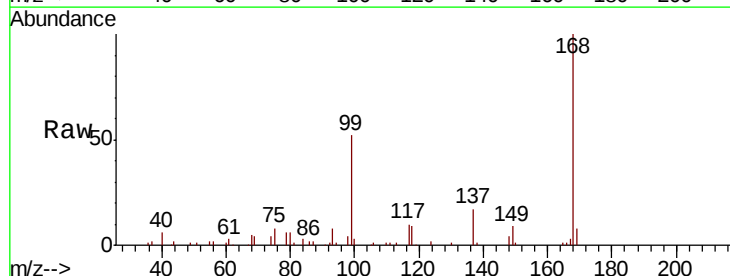
Instrument :
 MSVOA_D
 ClientSampleId :

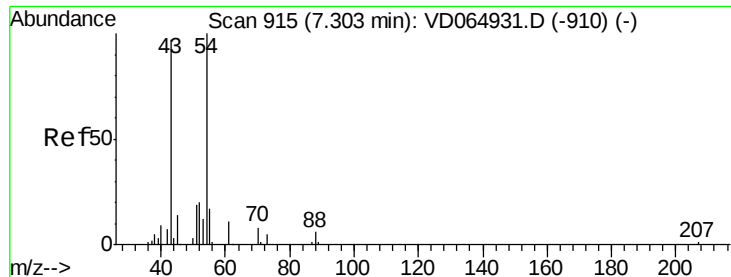
Tot Ion:113 Resp: 76294
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.4 123.6
 192 21.2 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.917 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064941.D
 Acq: 24 Jan 2020 14:16

Tgt Ion: 75 Resp: 9631
 Ion Ratio Lower Upper
 75 100
 110 11.0 17.3 52.0#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 7.792 ug/l

RT: 7.23 min Scan# 903

Delta R.T. -0.07 min

Lab File: VD064941.D

Acq: 24 Jan 2020 14:16

Instrument :

MSVOA_D

ClientSampled :

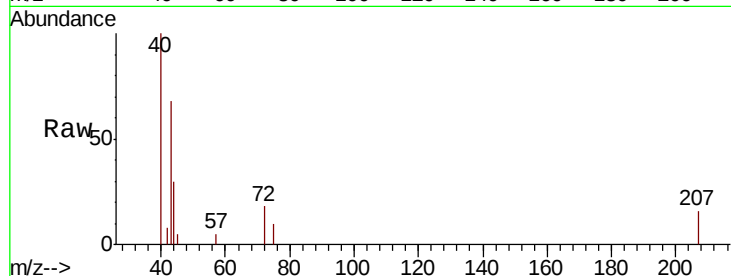
Tot Ion: 43 Resp: 6304

Ion Ratio Lower Upper

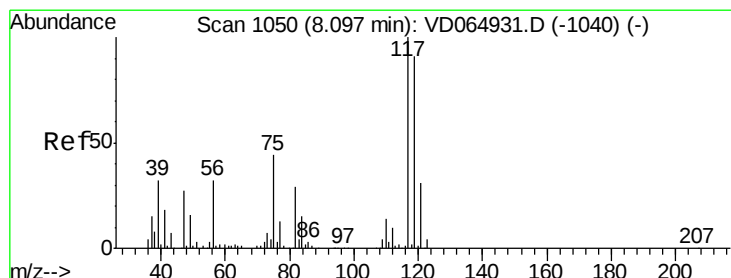
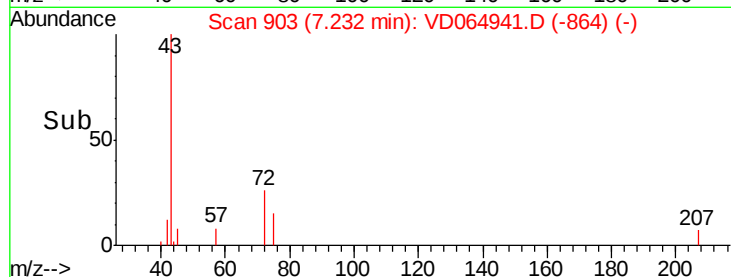
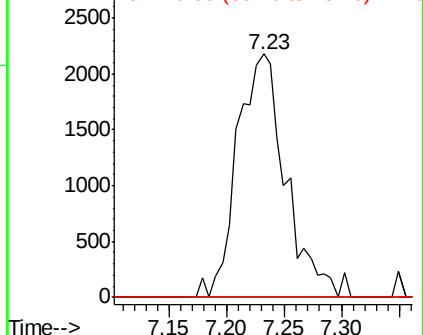
43 100

61 0.0 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: 6.295 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064941.D

Acq: 24 Jan 2020 14:16

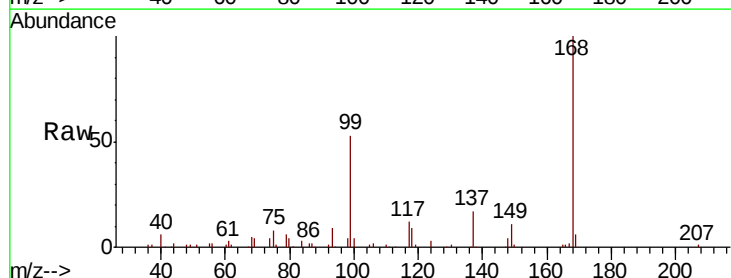
Tgt Ion: 117 Resp: 13032

Ion Ratio Lower Upper

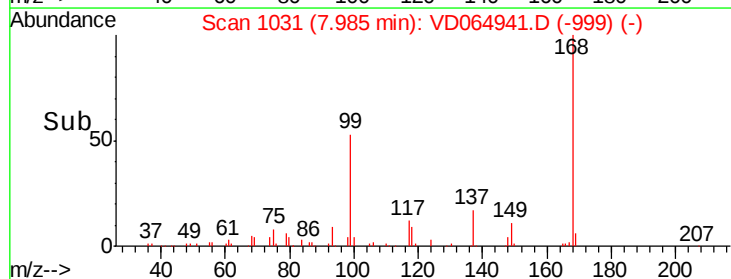
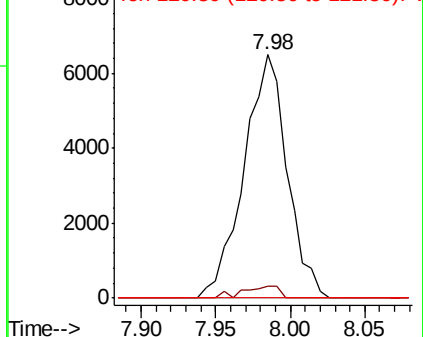
117 100

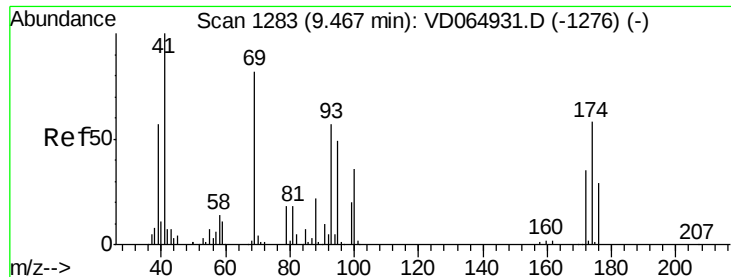
119 4.7 73.2 109.8#

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





#49

1,4-Dioxane

Concen: 6.883 ug/l

RT: 9.43 min Scan# 1276

Delta R.T. -0.04 min

Lab File: VD064941.D

Acq: 24 Jan 2020 14:16

Instrument :

MSVOA_D

ClientSampleId :

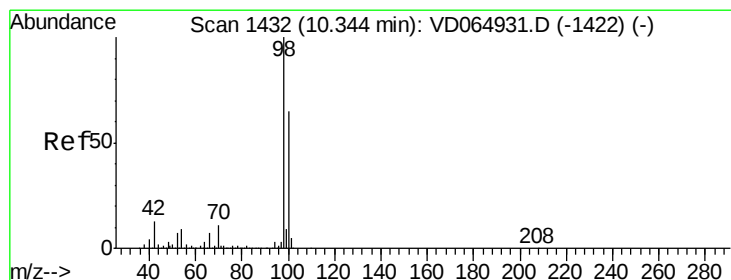
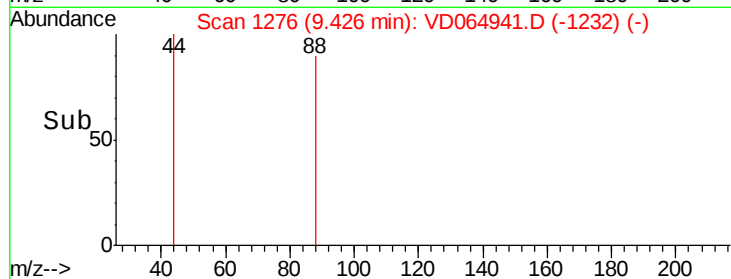
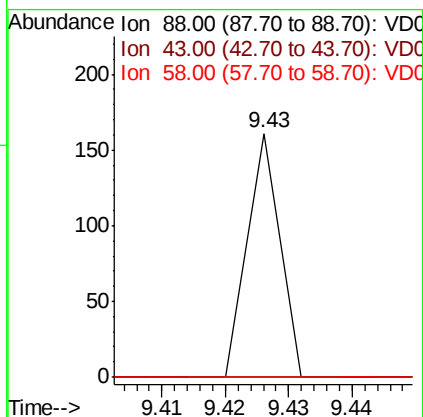
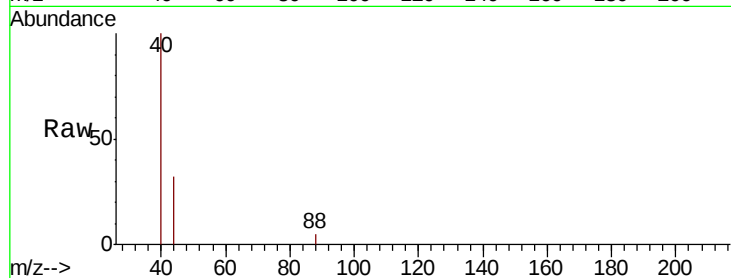
Tot Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 0.0 26.2 39.4#

58 0.0 50.3 75.5#



#50

Toluene-d8

Concen: 49.646 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064941.D

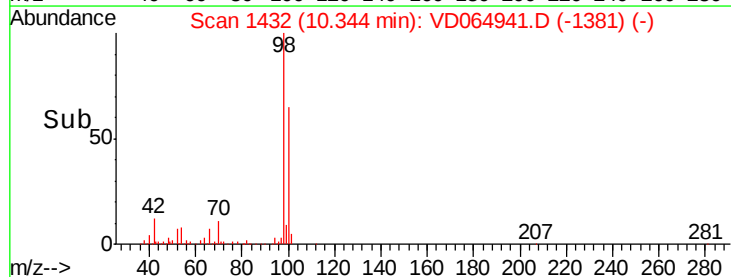
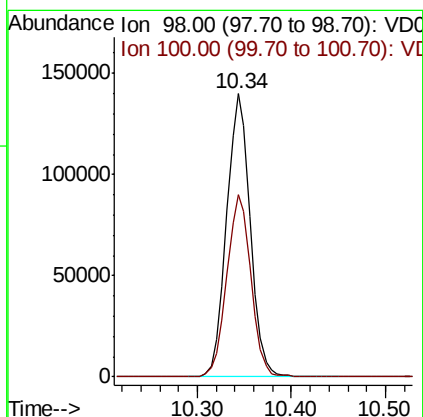
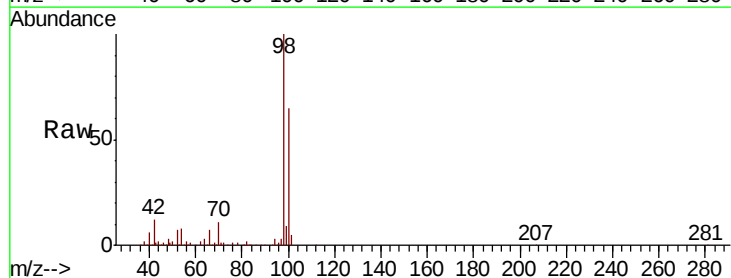
Acq: 24 Jan 2020 14:16

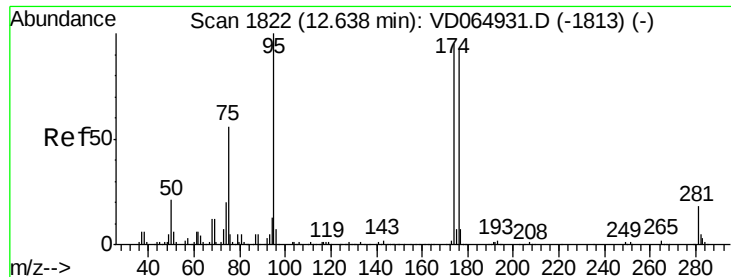
Tgt Ion: 98 Resp: 244594

Ion Ratio Lower Upper

98 100

100 65.6 52.3 78.5

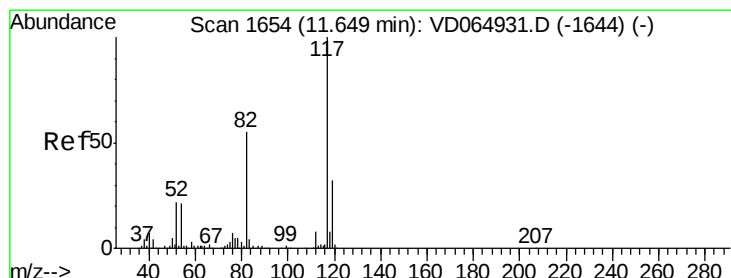
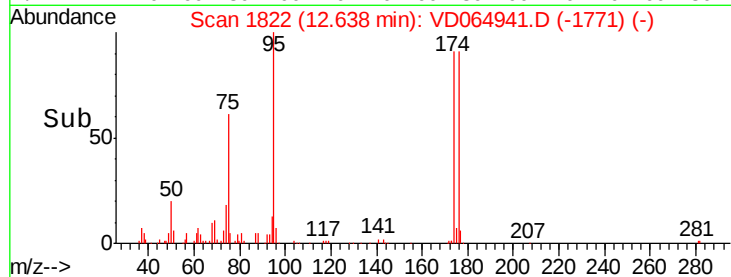
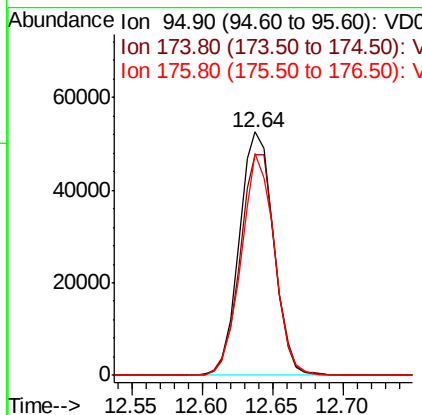
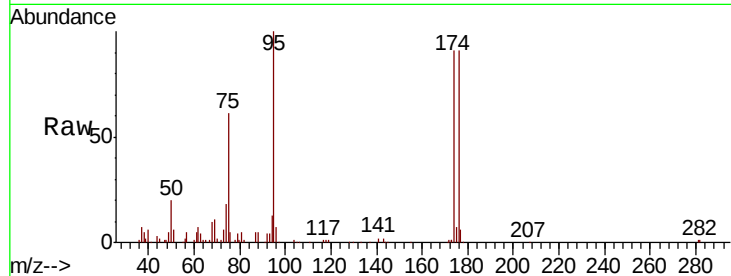




#62
4-Bromofluorobenzene
Concen: 59.047 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064941.D
Acq: 24 Jan 2020 14:16

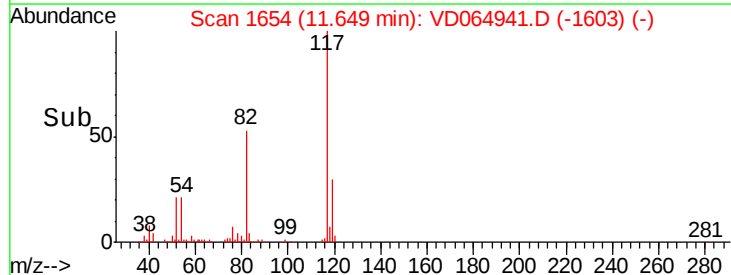
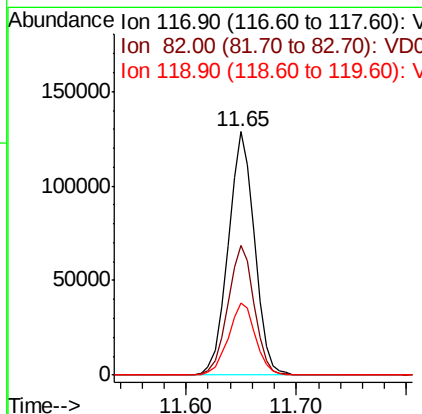
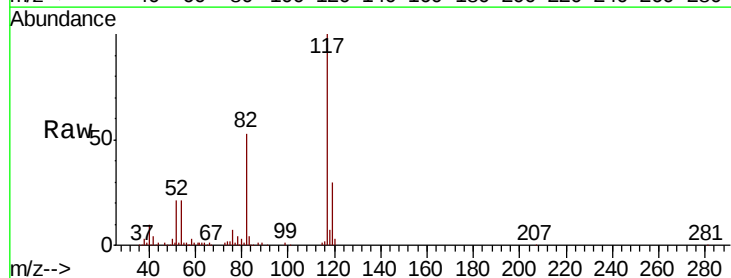
Instrument :
MSVOA_D
ClientSampleId :

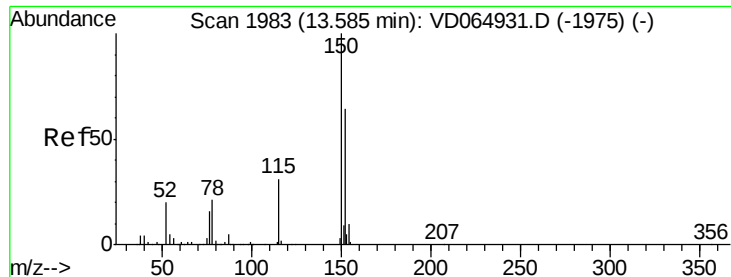
Tot Ion: 95 Resp: 89024
Ion Ratio Lower Upper
95 100
174 93.2 0.0 186.8
176 88.1 0.0 183.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064941.D
Acq: 24 Jan 2020 14:16

Tgt Ion: 117 Resp: 214995
Ion Ratio Lower Upper
117 100
82 53.1 43.6 65.4
119 29.5 25.2 37.8



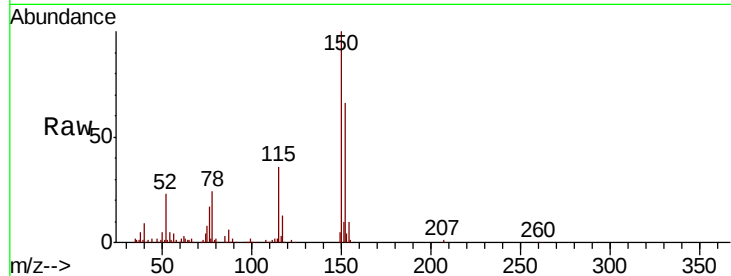


#72

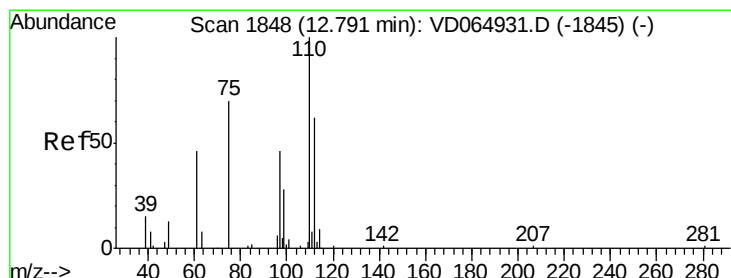
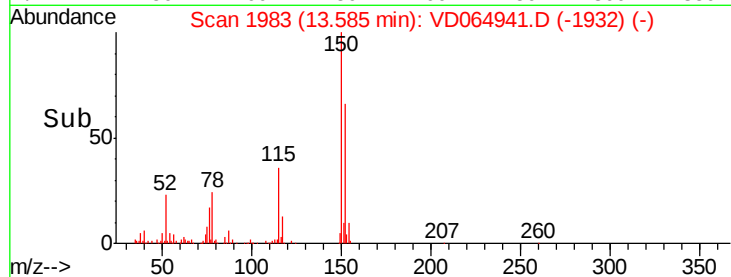
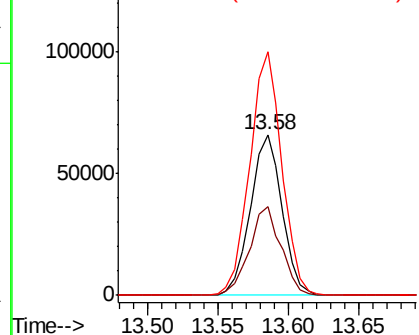
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064941.D
Acq: 24 Jan 2020 14:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	28.1	84.4
150	153.3	0.0	350.4



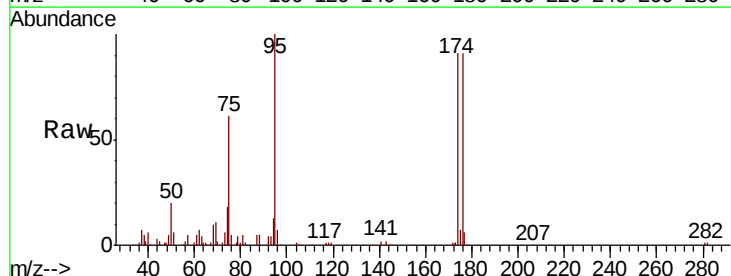
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



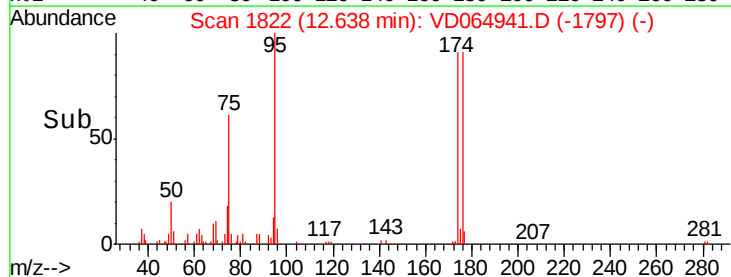
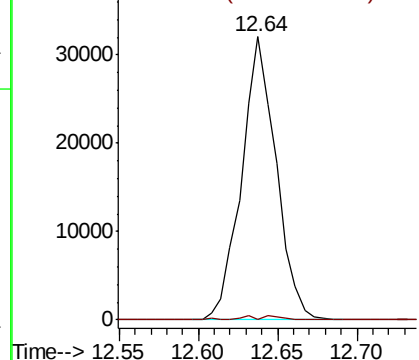
#76

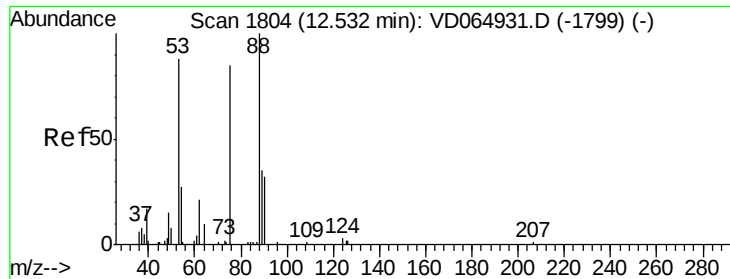
1,2,3-Trichloropropane
Concen: 56.192 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064941.D
Acq: 24 Jan 2020 14:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.7	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: 119.984 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064941.D

Acq: 24 Jan 2020 14:16

Instrument :

MSVOA_D

ClientSampleId :

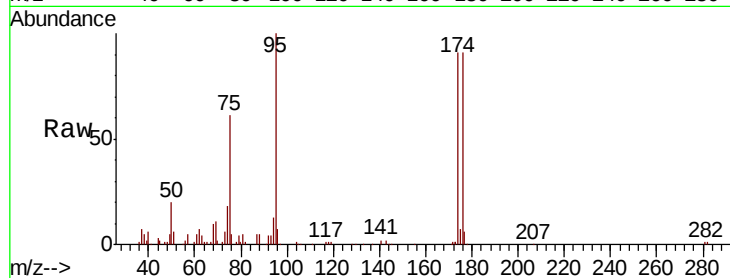
Tot Ion: 75 Resp: 48429

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

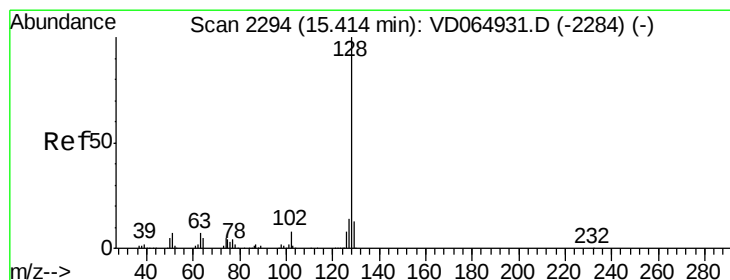
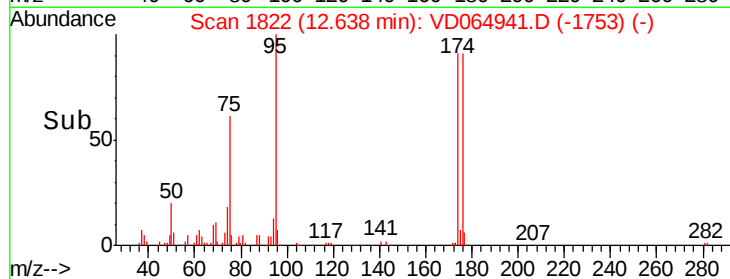
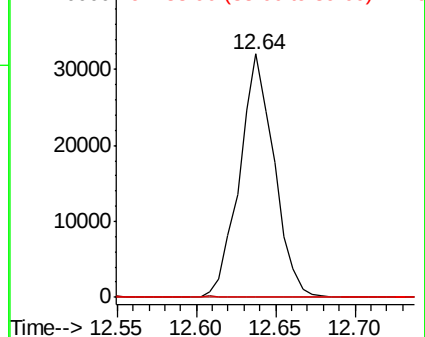
89 0.0 36.2 54.4#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 53.00 (52.70 to 53.70): V

Ion 88.90 (88.60 to 89.60): V



#95

Naphthalene

Concen: 2.233 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD064941.D

Acq: 24 Jan 2020 14:16

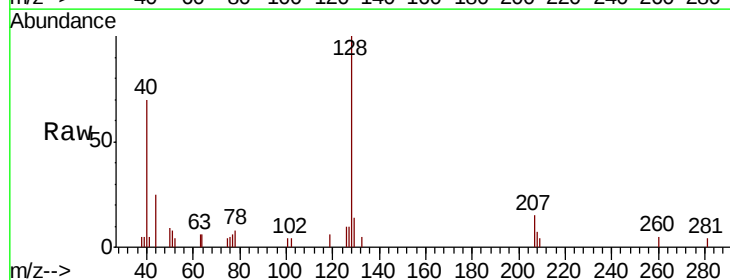
Tgt Ion:128 Resp: 7053

Ion Ratio Lower Upper

128 100

127 13.9 10.6 15.8

129 12.4 9.3 13.9



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

