

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012720\
 Data File : VD064962.D
 Acq On : 27 Jan 2020 14:30
 Operator : VA/SY
 Sample : L1017-07
 Misc : 7.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-012420

Quant Time: Jan 27 15:36:28 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	530117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	839759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	796223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	368785	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	226079	44.46	ug/l	0.00
Spiked Amount			Recovery	=	88.92%	
35) Dibromofluoromethane	7.92	113	248567	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
50) Toluene-d8	10.34	98	1042604	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.64	95	337181	54.10	ug/l	0.00
Spiked Amount			Recovery	=	108.20%	

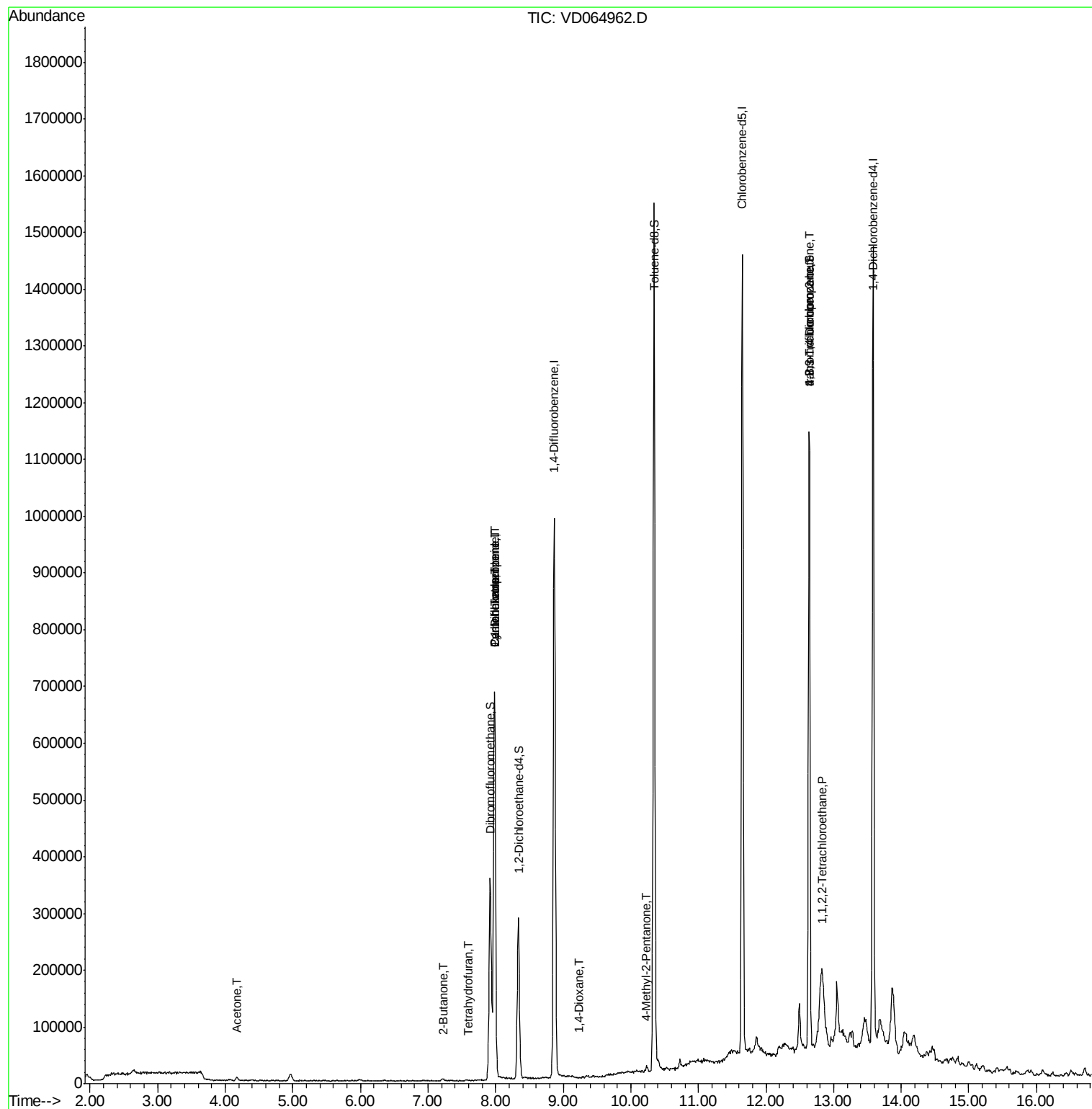
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	8753	19.64	ug/l #	81
20) Methylene Chloride	4.96	84	9378	Below Cal		93
25) 2-Butanone	7.23	43	2224	1.62	ug/l #	49
29) Tetrahydrofuran	7.59	42	888	1.05	ug/l #	50
31) Cyclohexane	7.98	56	12610	1.42	ug/l #	15
36) 1,1-Dichloropropene	7.98	75	39418	4.87	ug/l #	52
38) Carbon Tetrachloride	7.99	117	51942	6.07	ug/l #	18
49) 1,4-Dioxane	9.23	88	62	1.81	ug/l #	1
51) 4-Methyl-2-Pentanone	10.24	43	7720	2.43	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.83	83	39394	9.30	ug/l #	29
76) 1,2,3-Trichloropropane	12.64	75	181636	59.34	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	181636	126.70	ug/l #	9

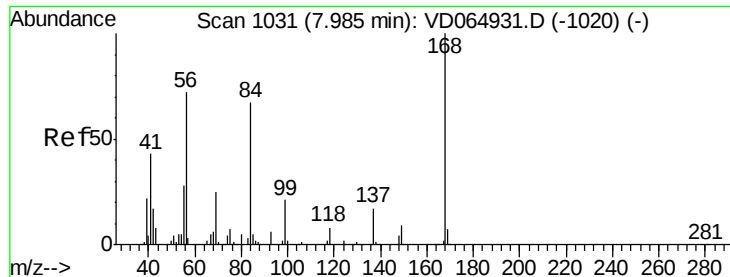
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD012720\
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Quant Time: Jan 27 15:36:28 2020
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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064962.D

Acq: 27 Jan 2020 14:30

Instrument :

MSVOA_D

ClientSampleId :

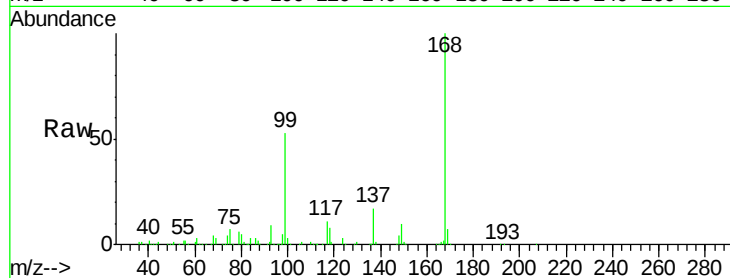
TR-04-012420

Tgt Ion:168 Resp: 530117

Ion Ratio Lower Upper

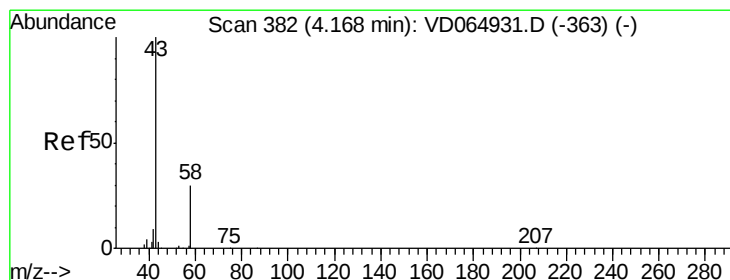
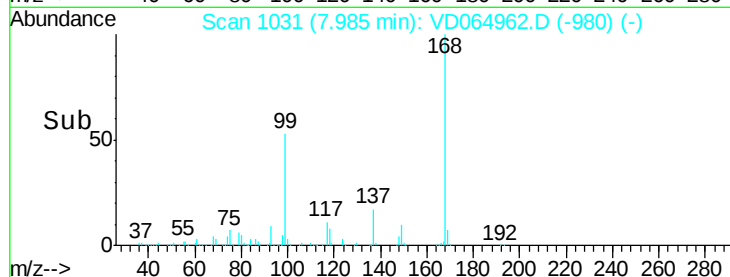
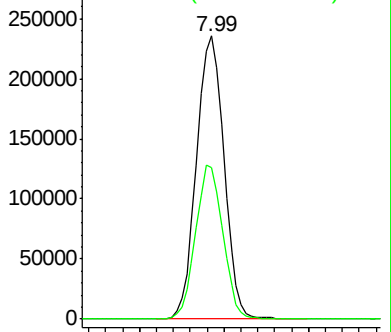
168 100

99 53.3 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: 19.64 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064962.D

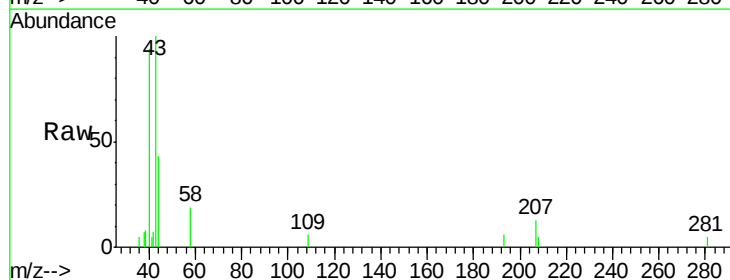
Acq: 27 Jan 2020 14:30

Tgt Ion: 43 Resp: 8753

Ion Ratio Lower Upper

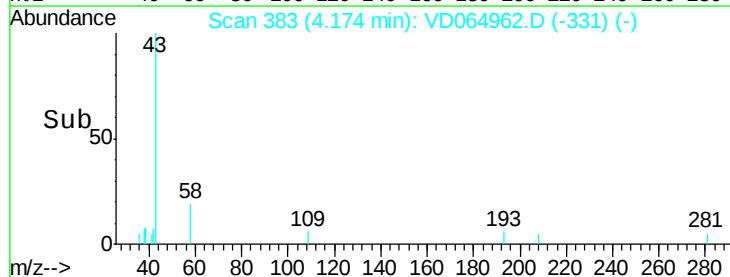
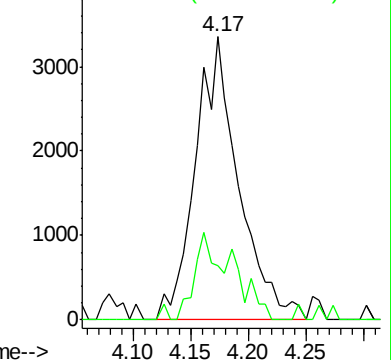
43 100

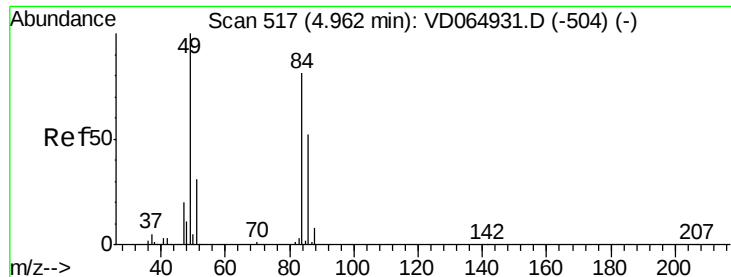
58 19.3 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

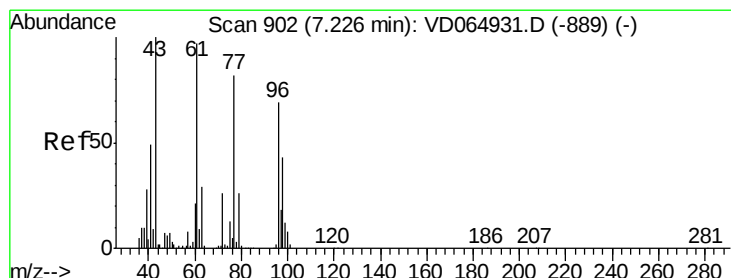
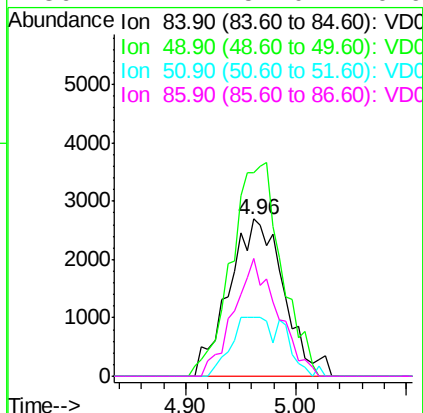
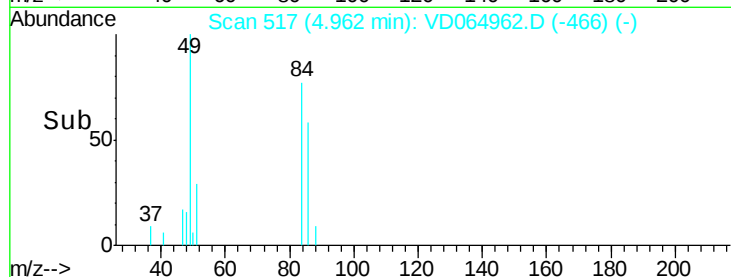
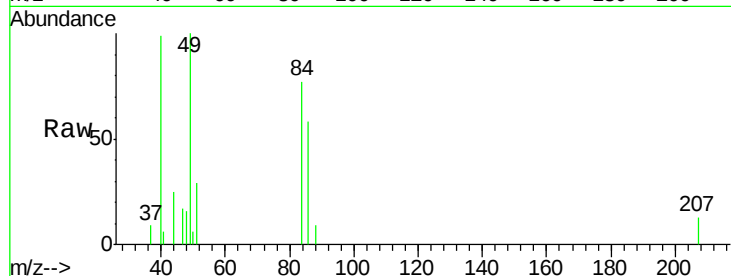




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064962.D
Acq: 27 Jan 2020 14:30

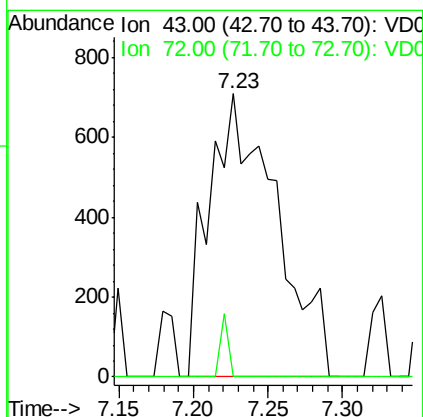
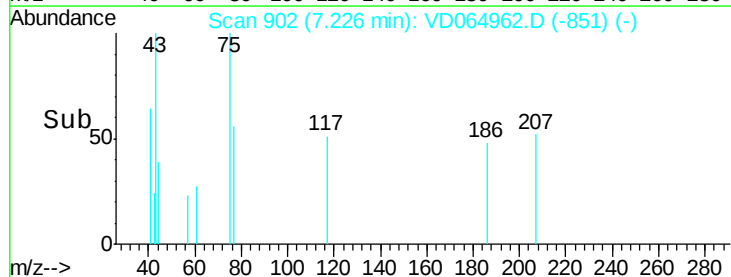
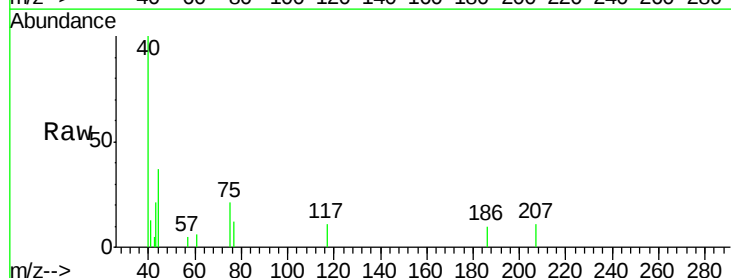
Instrument :
MSVOA_D
ClientSampleId :
TR-04-012420

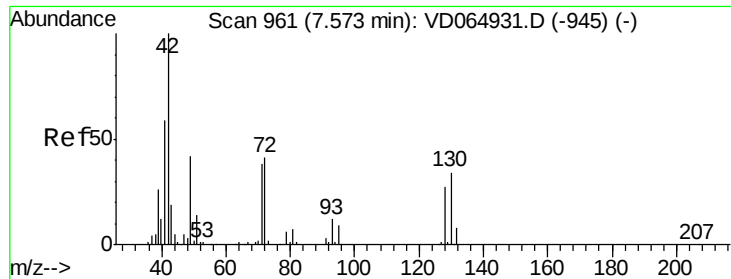
Tgt Ion: 84 Resp: 9378
Ion Ratio Lower Upper
84 100
49 129.6 98.4 147.6
51 37.4 30.8 46.2
86 74.7 51.0 76.6



#25
2-Butanone
Concen: 1.62 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD064962.D
Acq: 27 Jan 2020 14:30

Tgt Ion: 43 Resp: 2224
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#

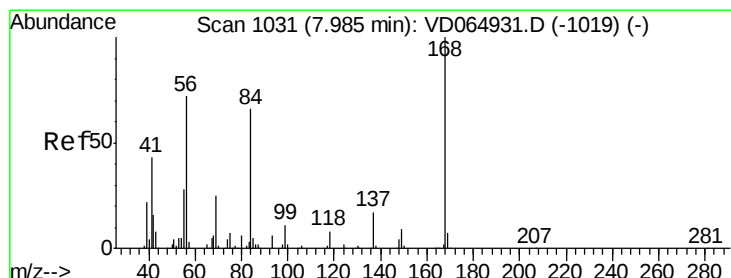
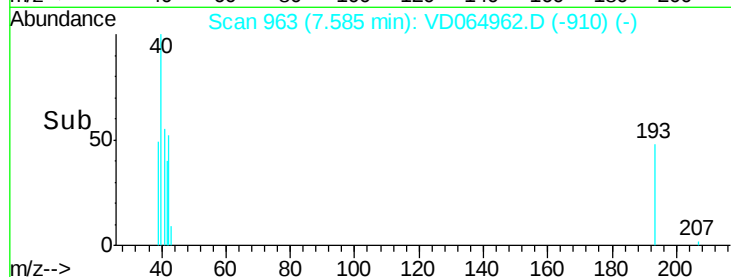
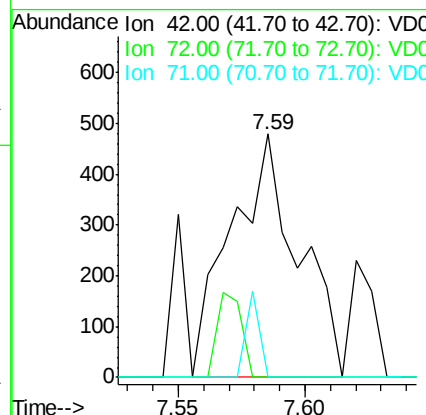
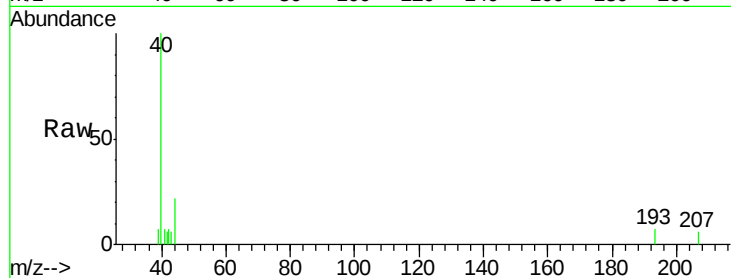




#29
Tetrahydrofuran
Concen: 1.05 ug/l
RT: 7.59 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD064962.D
Acq: 27 Jan 2020 14:30

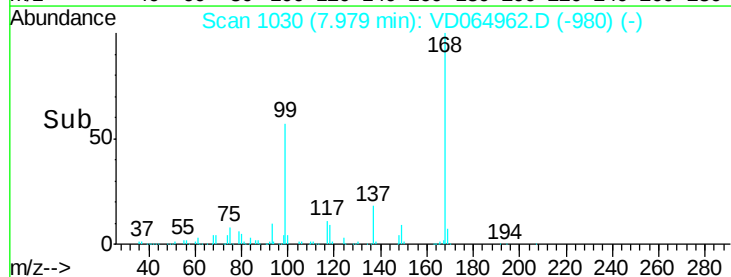
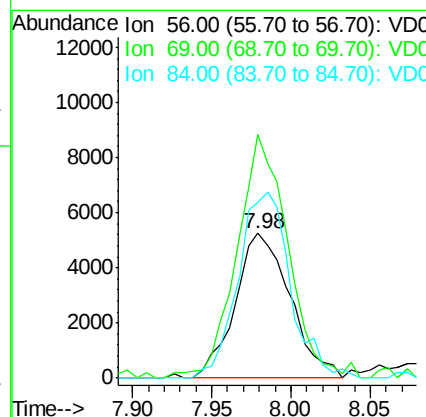
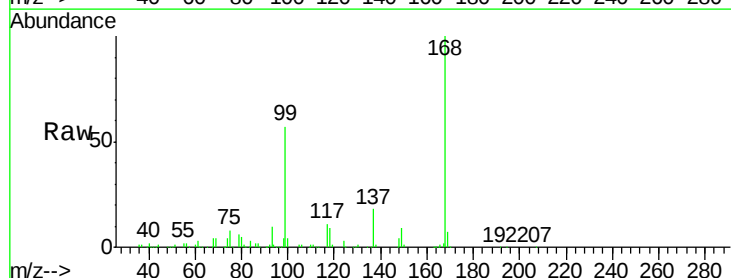
Instrument :
MSVOA_D
ClientSampleId :
TR-04-012420

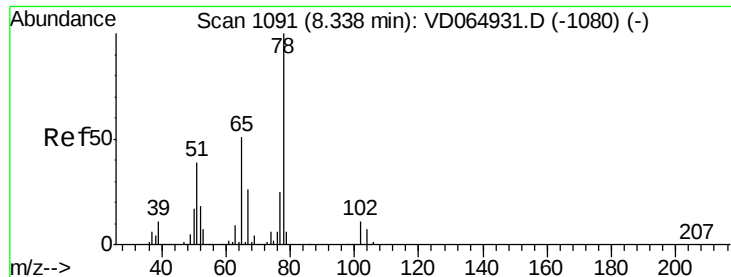
Tgt Ion: 42 Resp: 888
Ion Ratio Lower Upper
42 100
72 12.7 34.0 51.0#
71 6.8 31.5 47.3#



#31
Cyclohexane
Concen: 1.42 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064962.D
Acq: 27 Jan 2020 14:30

Tgt Ion: 56 Resp: 12610
Ion Ratio Lower Upper
56 100
69 165.3 27.9 41.9#
84 121.2 72.8 109.2#

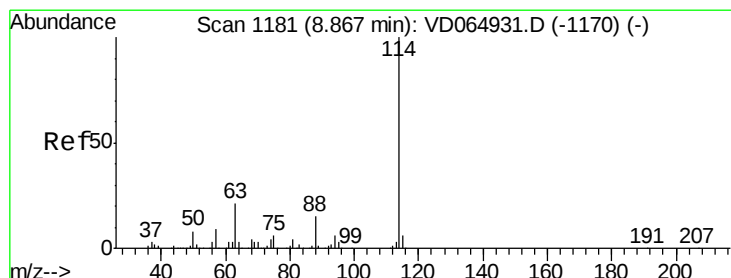
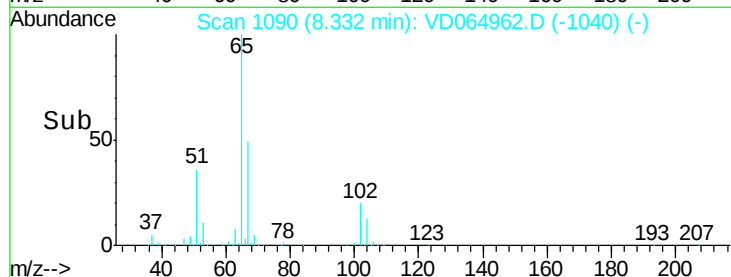
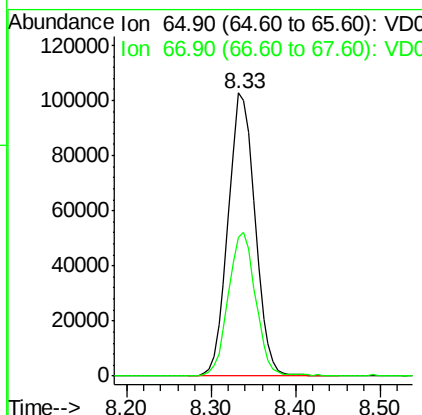
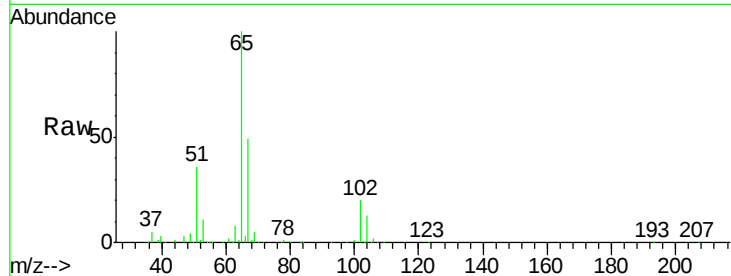




#33
 1,2-Dichloroethane-d4
 Concen: 44.46 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064962.D
 Acq: 27 Jan 2020 14:30

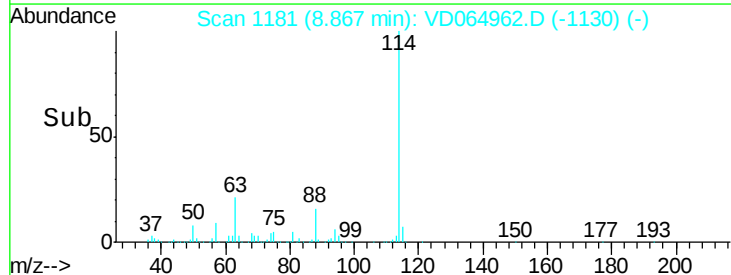
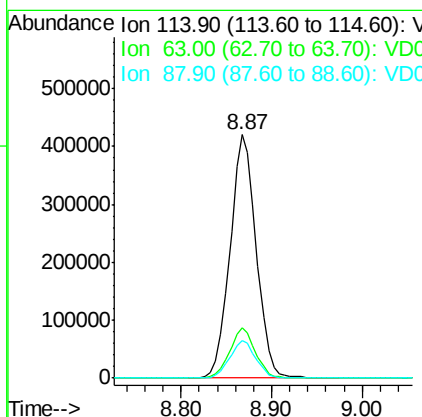
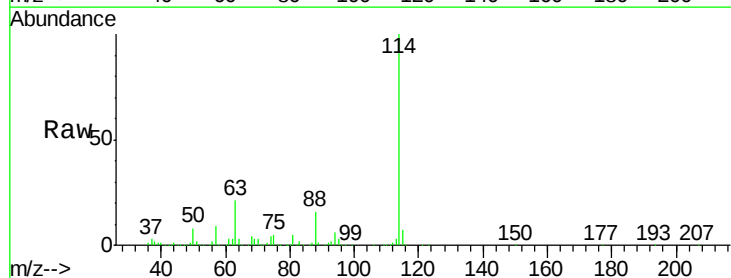
Instrument :
 MSVOA_D
 ClientSampleID :
 TR-04-012420

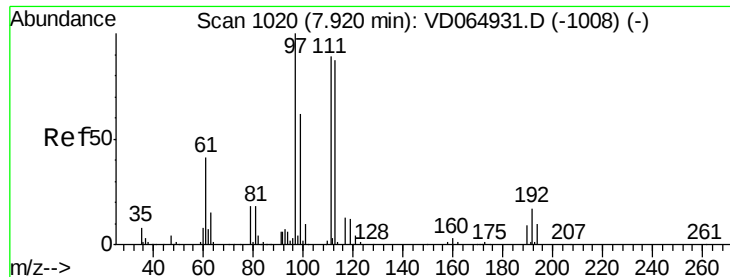
Tgt Ion: 65 Resp: 226079
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064962.D
 Acq: 27 Jan 2020 14:30

Tgt Ion: 114 Resp: 839759
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.0
 88 15.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 47.10 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064962.D

Acq: 27 Jan 2020 14:30

Instrument :

MSVOA_D

ClientSampleId :

TR-04-012420

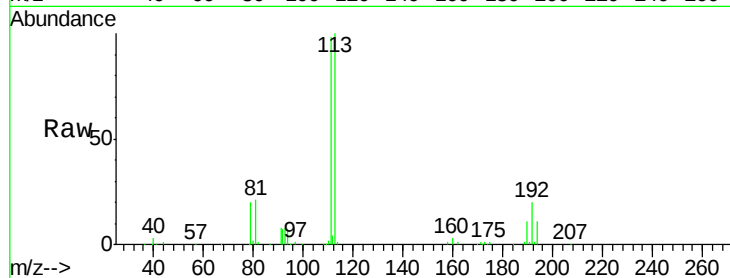
Tgt Ion: 113 Resp: 248567

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

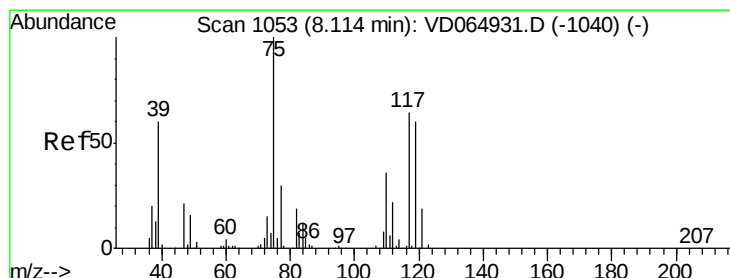
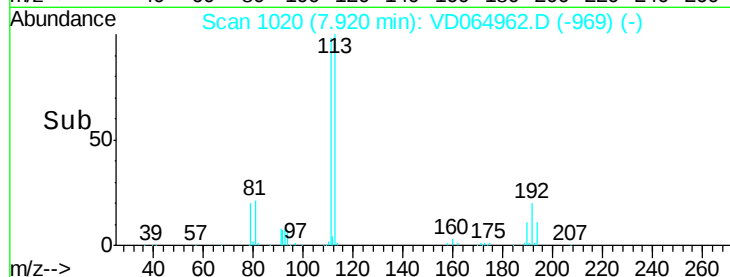
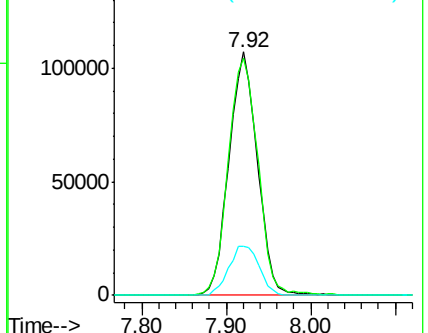
192 21.7 16.9 25.3



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



#36

1,1-Dichloropropene

Concen: 4.87 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064962.D

Acq: 27 Jan 2020 14:30

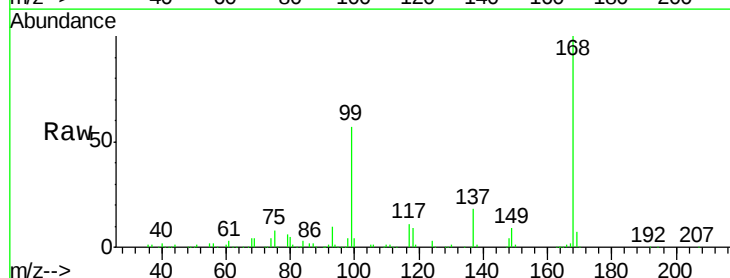
Tgt Ion: 75 Resp: 39418

Ion Ratio Lower Upper

75 100

110 11.0 17.3 52.0#

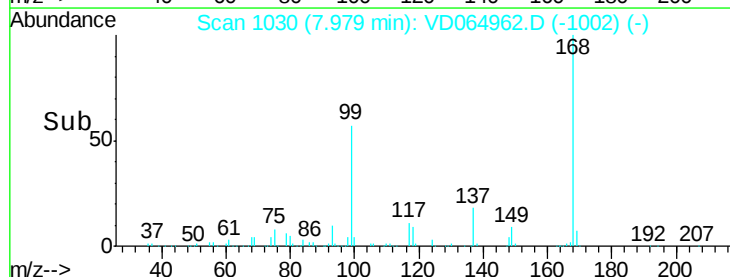
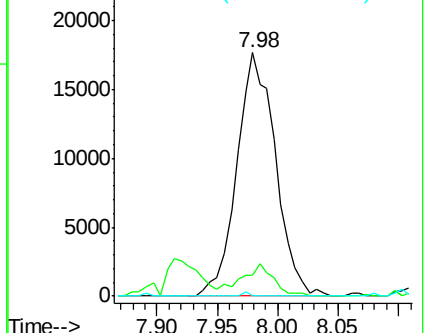
77 0.3 24.7 37.1#

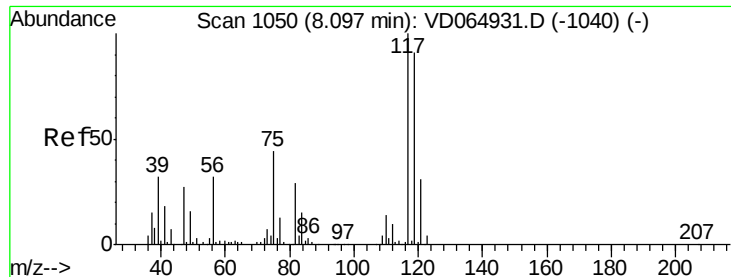


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.07 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064962.D

Acq: 27 Jan 2020 14:30

Instrument :

MSVOA_D

ClientSampleId :

TR-04-012420

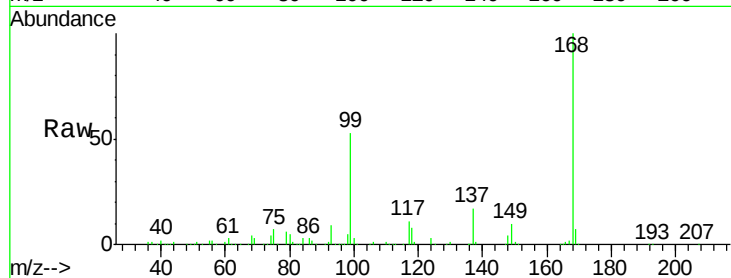
Tgt Ion:117 Resp: 51942

Ion Ratio Lower Upper

117 100

119 5.0 73.2 109.8#

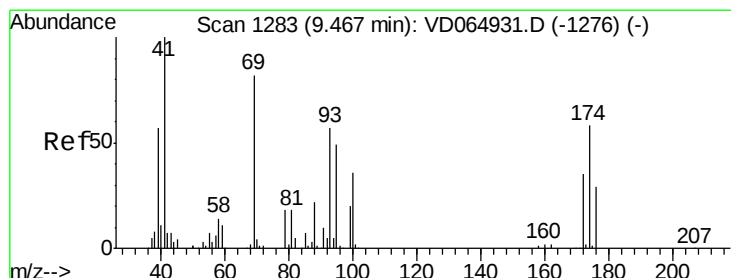
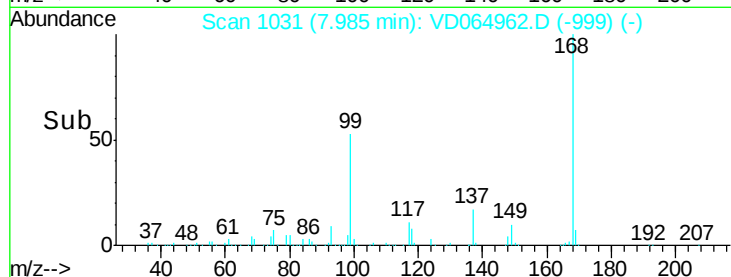
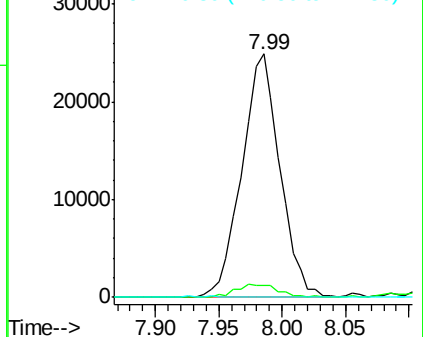
121 0.0 24.4 36.6#



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: 1.81 ug/l

RT: 9.23 min Scan# 1243

Delta R.T. -0.24 min

Lab File: VD064962.D

Acq: 27 Jan 2020 14:30

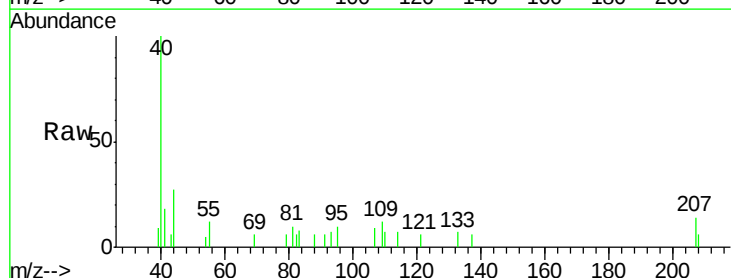
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 167.7 26.2 39.4#

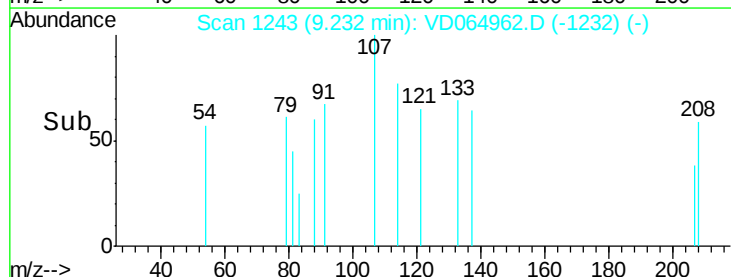
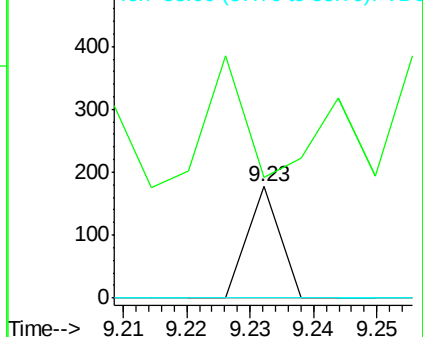
58 0.0 50.3 75.5#

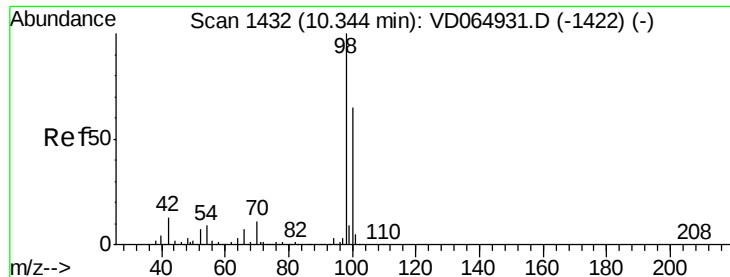


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 51.19 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064962.D

Acq: 27 Jan 2020 14:30

Instrument :

MSVOA_D

ClientSampleId :

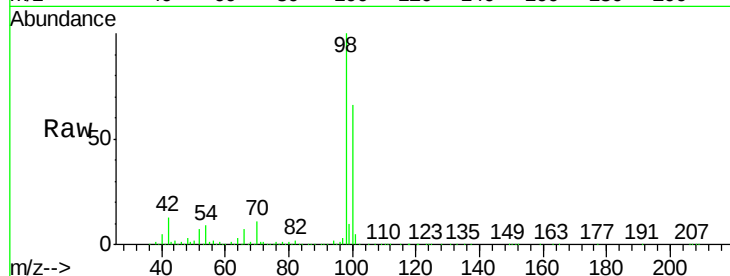
TR-04-012420

Tgt Ion: 98 Resp: 1042604

Ion Ratio Lower Upper

98 100

100 64.6 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

600000

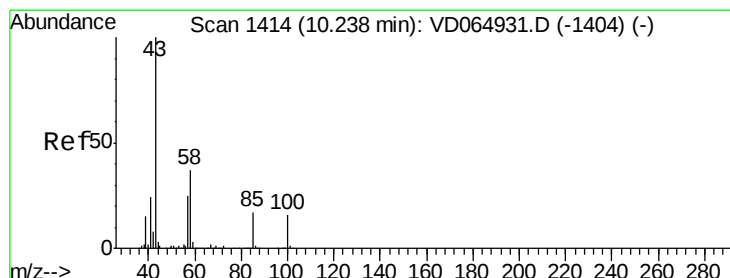
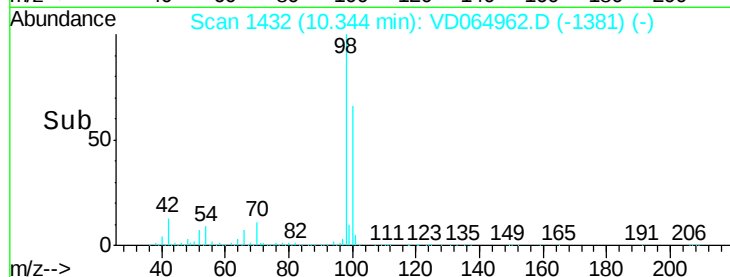
400000

200000

0

10.30 10.40

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.43 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD064962.D

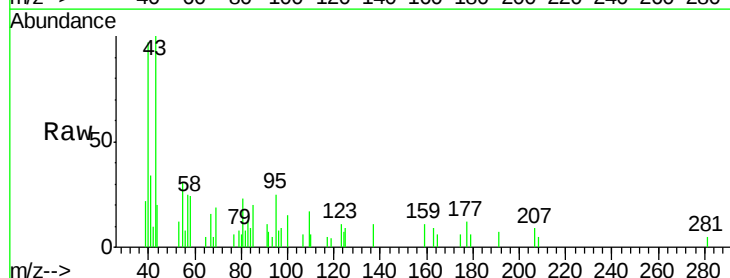
Acq: 27 Jan 2020 14:30

Tgt Ion: 43 Resp: 7720

Ion Ratio Lower Upper

43 100

58 28.8 30.4 45.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

4000

3000

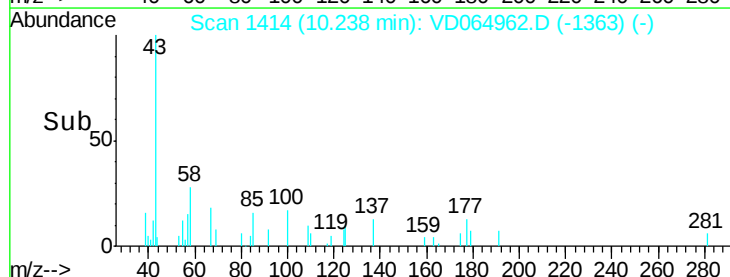
2000

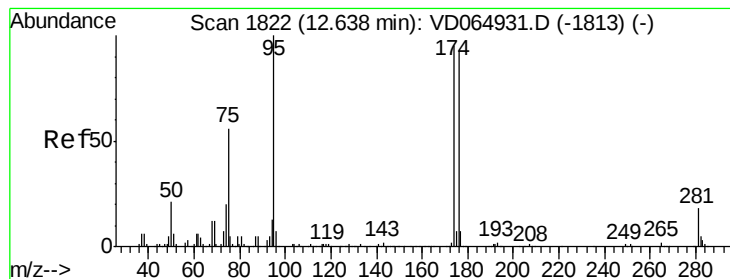
1000

0

10.15 10.20 10.25 10.30

Time-->





#62

4-Bromofluorobenzene

Concen: 54.10 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064962.D

Acq: 27 Jan 2020 14:30

Instrument :

MSVOA_D

ClientSampleId :

TR-04-012420

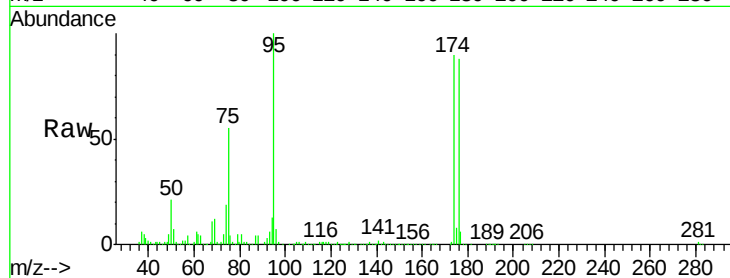
Tgt Ion: 95 Resp: 337181

Ion Ratio Lower Upper

95 100

174 93.0 0.0 186.8

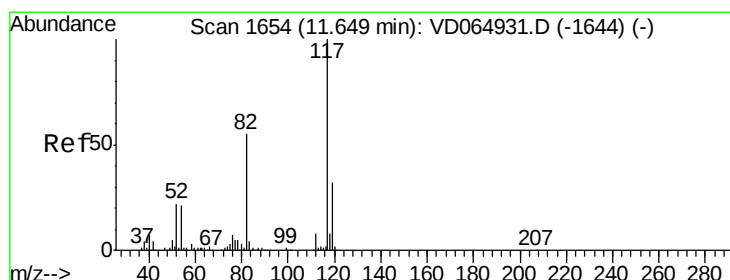
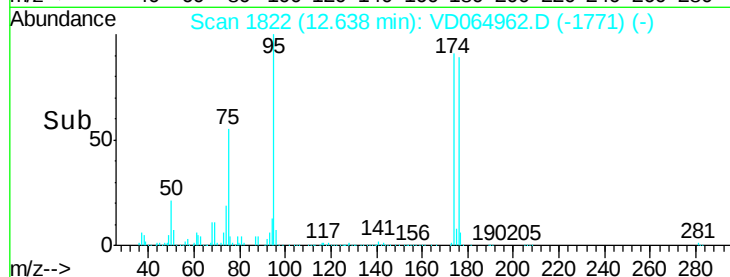
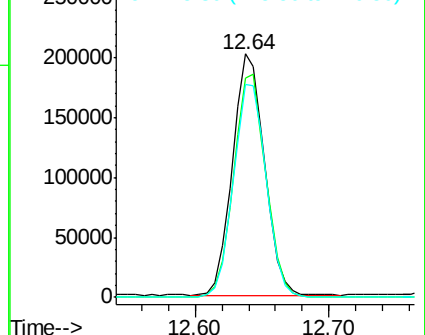
176 90.0 0.0 183.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064962.D

Acq: 27 Jan 2020 14:30

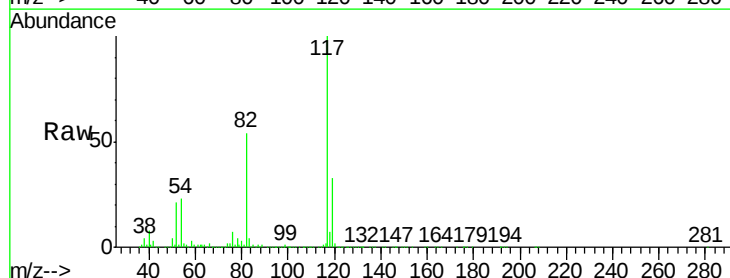
Tgt Ion: 117 Resp: 796223

Ion Ratio Lower Upper

117 100

82 54.1 43.6 65.4

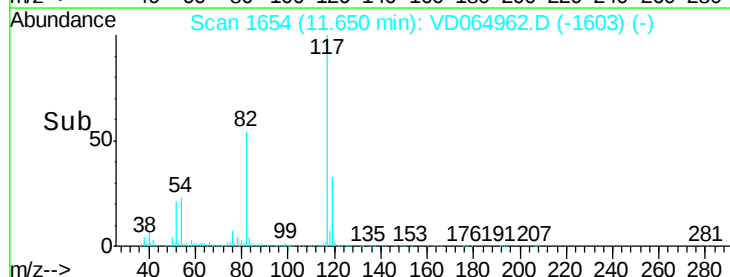
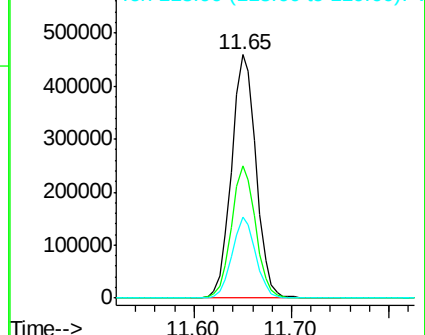
119 33.0 25.2 37.8

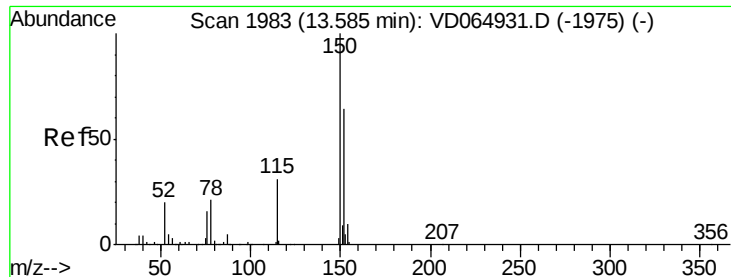


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064962.D

Acq: 27 Jan 2020 14:30

Instrument :

MSVOA_D

ClientSampleId :

TR-04-012420

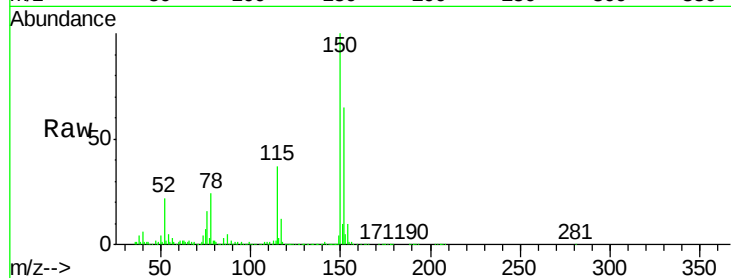
Tgt Ion: 152 Resp: 368785

Ion Ratio Lower Upper

152 100

115 56.0 28.1 84.4

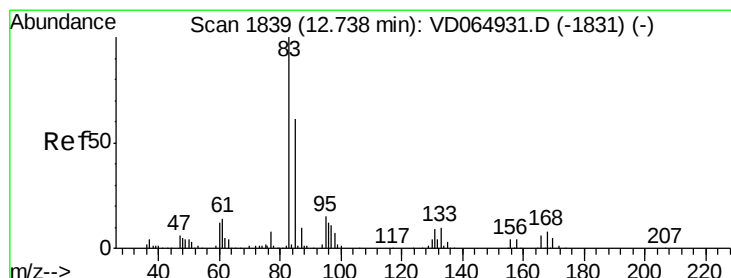
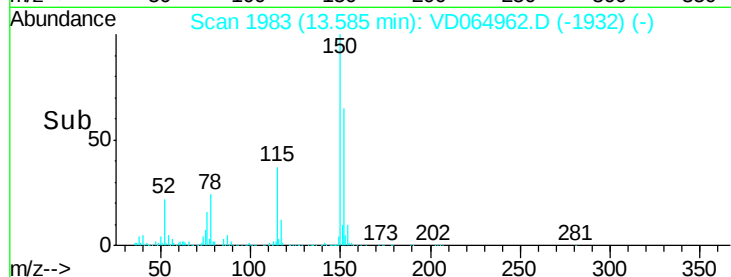
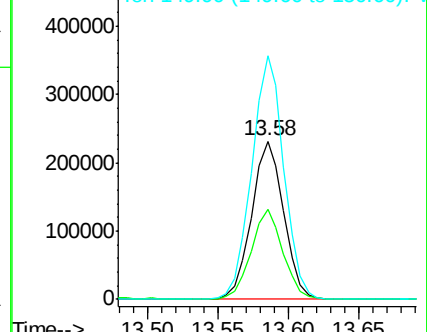
150 154.4 0.0 350.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: 9.30 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.09 min

Lab File: VD064962.D

Acq: 27 Jan 2020 14:30

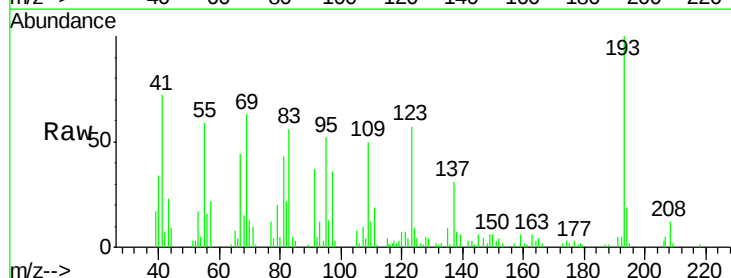
Tgt Ion: 83 Resp: 39394

Ion Ratio Lower Upper

83 100

131 0.6 5.5 16.4#

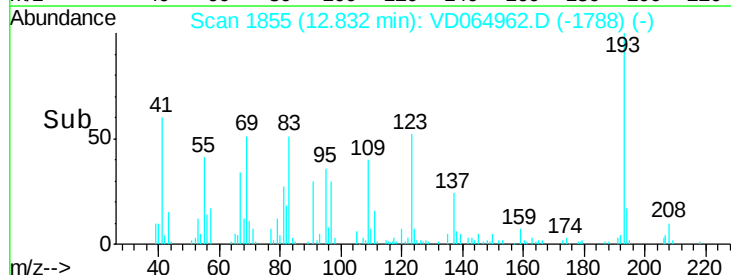
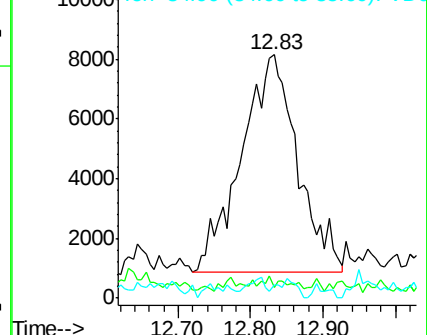
85 2.4 31.6 94.7#

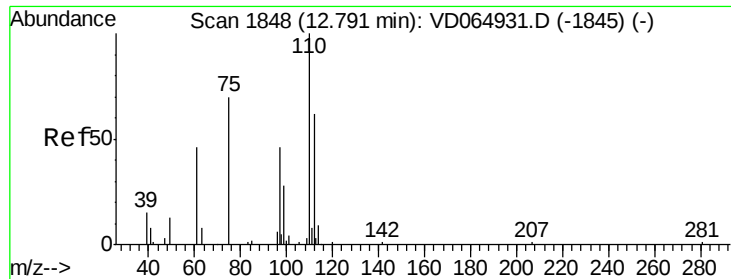


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

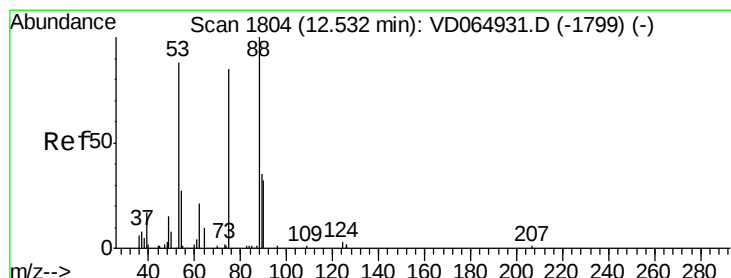
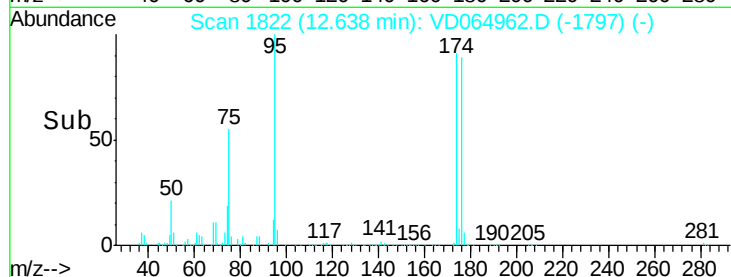
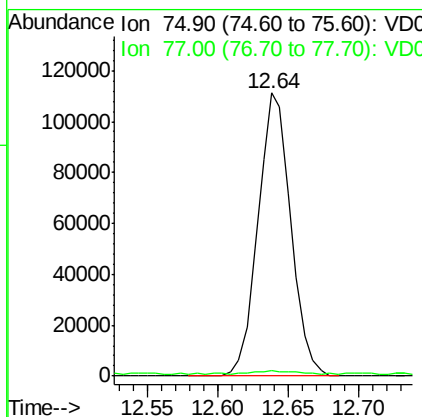
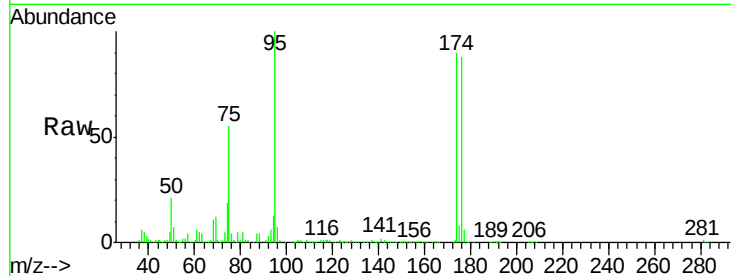




#76
 1,2,3-Trichloropropane
 Concen: 59.34 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064962.D
 Acq: 27 Jan 2020 14:30

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-012420

Tgt Ion: 75 Resp: 181636
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.70 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD064962.D
 Acq: 27 Jan 2020 14:30

Tgt Ion: 75 Resp: 181636
 Ion Ratio Lower Upper
 75 100
 53 0.3 81.0 121.4#
 89 0.0 36.2 54.4#

