

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011720\
 Data File : VD064872.D
 Acq On : 17 Jan 2020 19:34
 Operator : VA/SY
 Sample : L1136-12
 Misc : 5.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-10

Quant Time: Jan 17 22:55:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	379794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	624950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	581446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	268578	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	195748	58.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.90%	
35) Dibromofluoromethane	7.92	113	201185	52.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.94%	
50) Toluene-d8	10.34	98	761373	51.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.64	95	241926	52.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.20%	

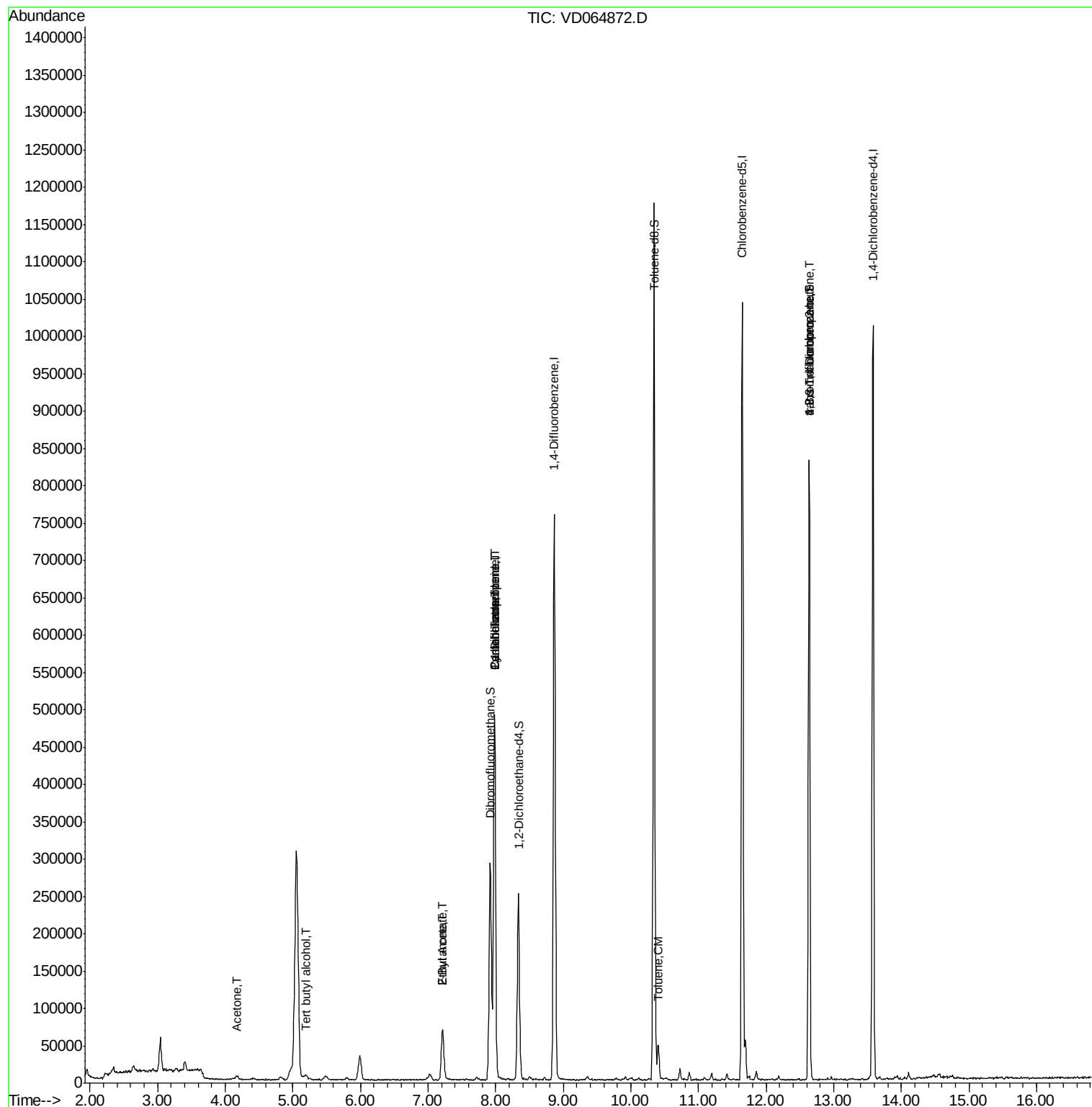
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	5261	27.41	ug/l #	70
16) Acetone	4.17	43	9789	16.44	ug/l	91
20) Methylene Chloride	4.97	84	9659	Below Cal		90
25) 2-Butanone	7.21	43	3922	4.26	ug/l	96
31) Cyclohexane	7.98	56	9005	1.44	ug/l #	10
36) 1,1-Dichloropropene	7.98	75	27454	4.56	ug/l #	49
37) Ethyl Acetate	7.21	43	3922	1.66	ug/l #	1
38) Carbon Tetrachloride	7.98	117	36053	5.62	ug/l #	16
52) Toluene	10.41	92	18688	1.73	ug/l	94
76) 1,2,3-Trichloropropane	12.64	75	129775	61.19	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	129775	127.98	ug/l #	10

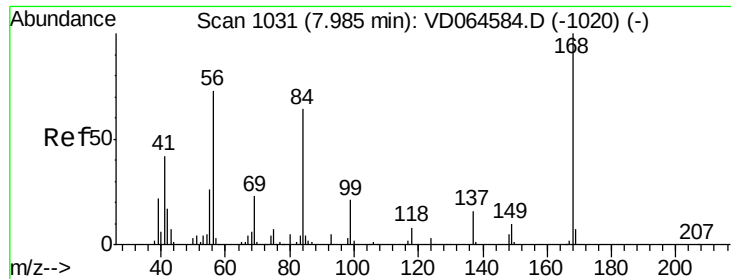
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064872.D

Acq: 17 Jan 2020 19:34

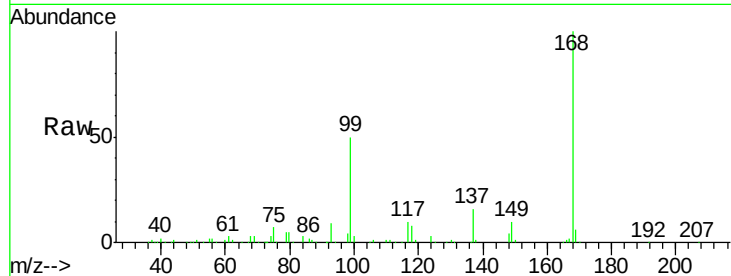
Instrument :
MSVOA_D
ClientSampled :
EP-10

Tgt Ion:168 Resp: 379794

Ion Ratio Lower Upper

168 100

99 50.3 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

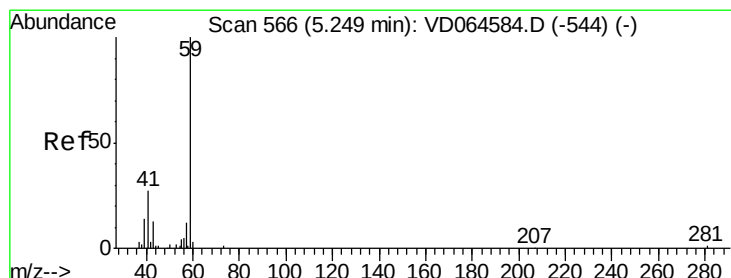
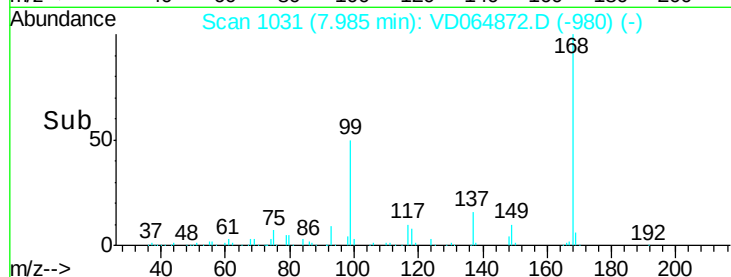
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 27.41 ug/l

RT: 5.19 min Scan# 556

Delta R.T. -0.06 min

Lab File: VD064872.D

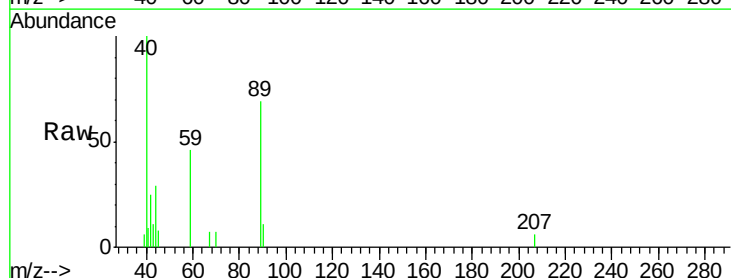
Acq: 17 Jan 2020 19:34

Tgt Ion: 59 Resp: 5261

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.19

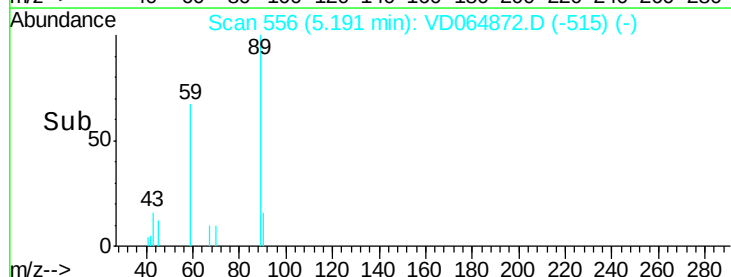
1500

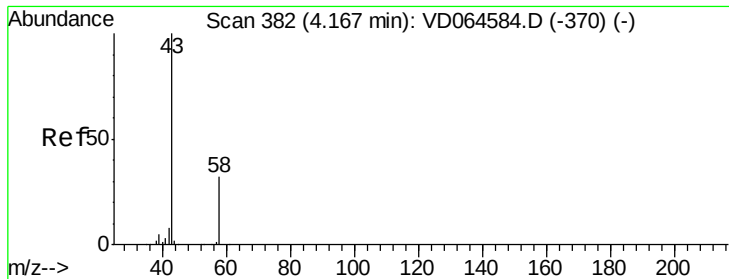
1000

500

0

Time-->





#16

Acetone

Concen: 16.44 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064872.D

Acq: 17 Jan 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

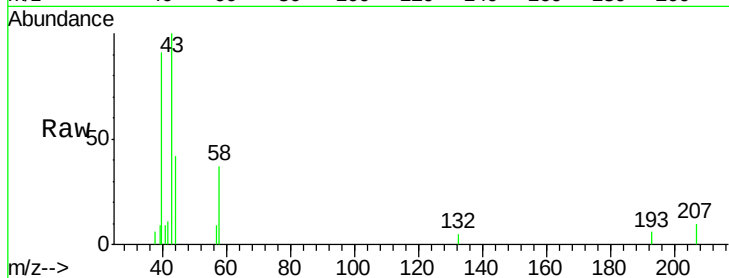
EP-10

Tgt Ion: 43 Resp: 9789

Ion Ratio Lower Upper

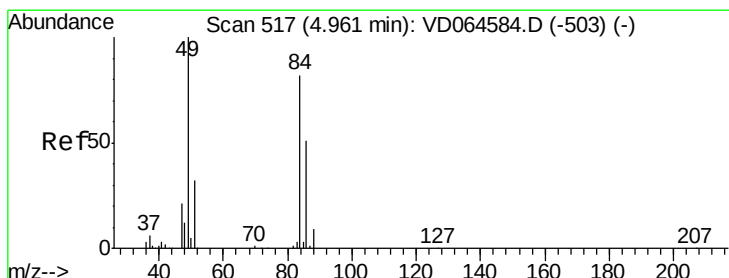
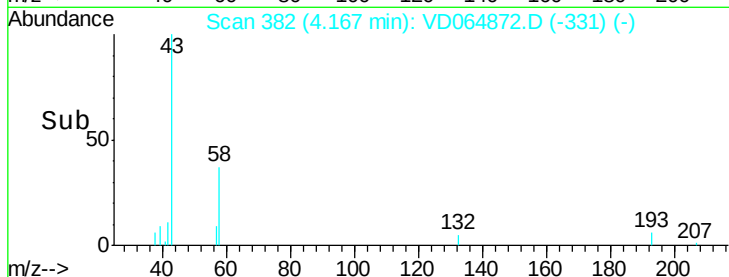
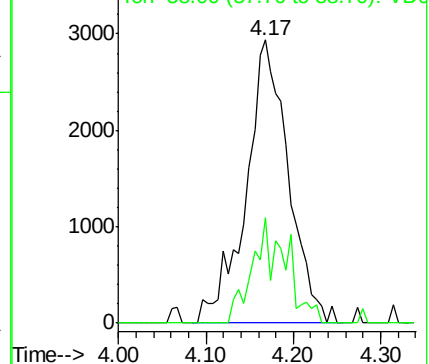
43 100

58 37.3 25.8 38.6



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: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064872.D

Acq: 17 Jan 2020 19:34

Tgt Ion: 84 Resp: 9659

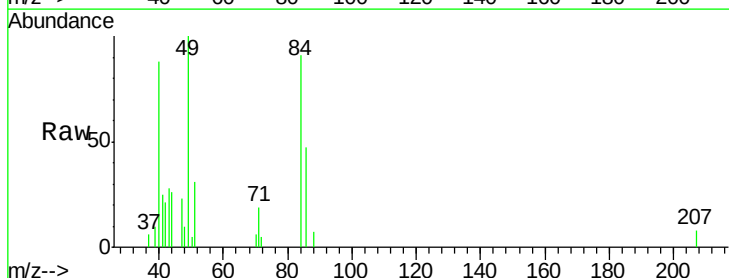
Ion Ratio Lower Upper

84 100

49 110.2 97.2 145.8

51 34.3 31.4 47.0

86 51.7 49.3 73.9

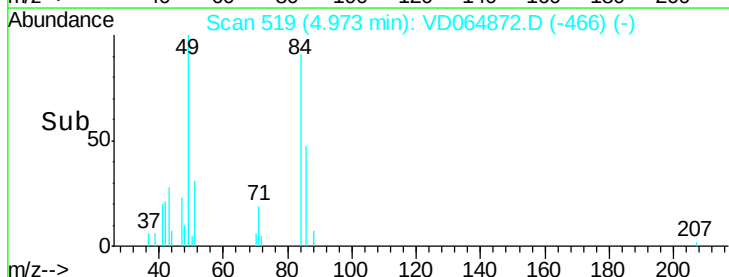
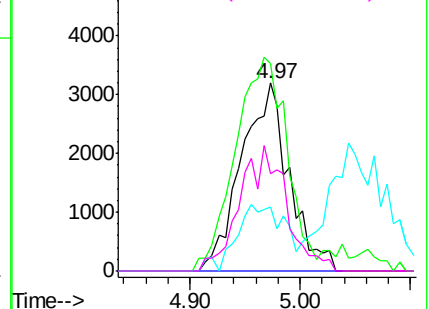


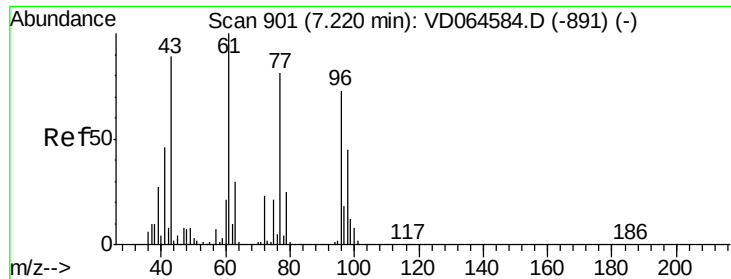
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 4.26 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064872.D

Acq: 17 Jan 2020 19:34

Instrument :

MSVOA_D

ClientSampled :

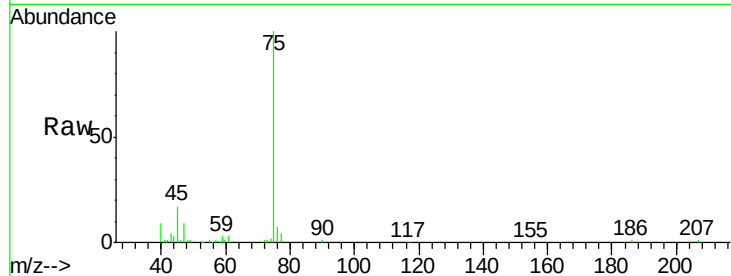
EP-10

Tgt Ion: 43 Resp: 3922

Ion Ratio Lower Upper

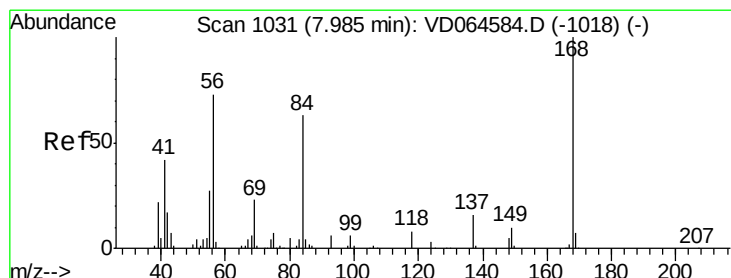
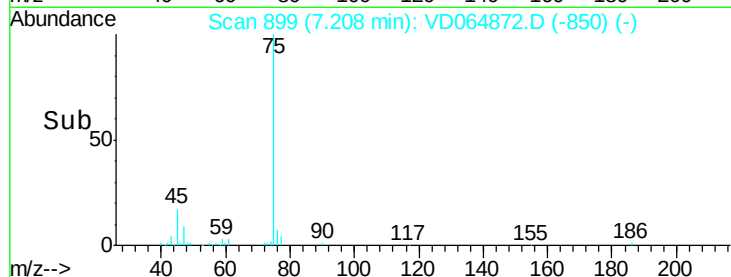
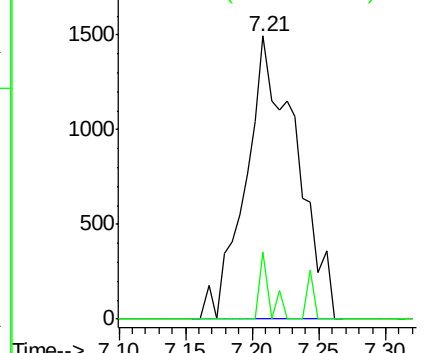
43 100

72 23.8 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.44 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064872.D

Acq: 17 Jan 2020 19:34

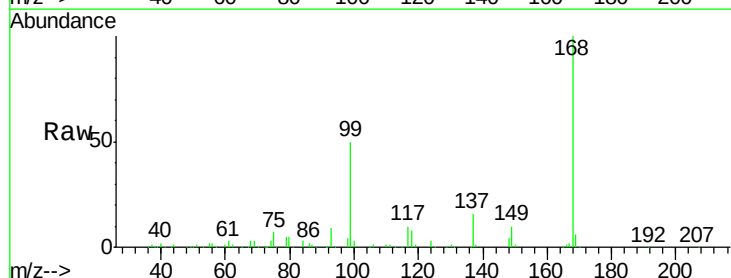
Tgt Ion: 56 Resp: 9005

Ion Ratio Lower Upper

56 100

69 135.2 24.7 37.1#

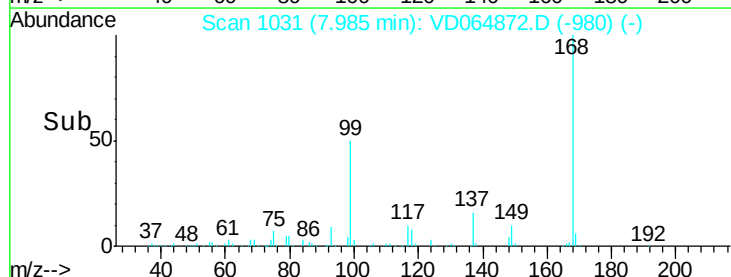
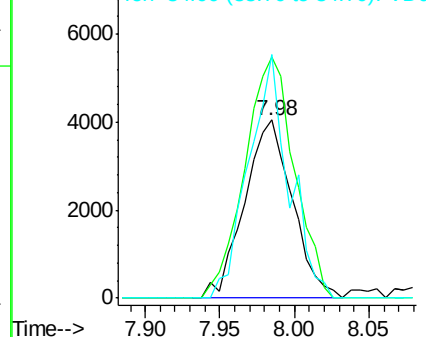
84 136.6 69.4 104.2#

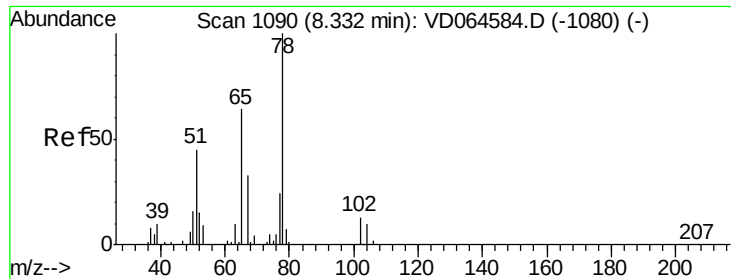


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

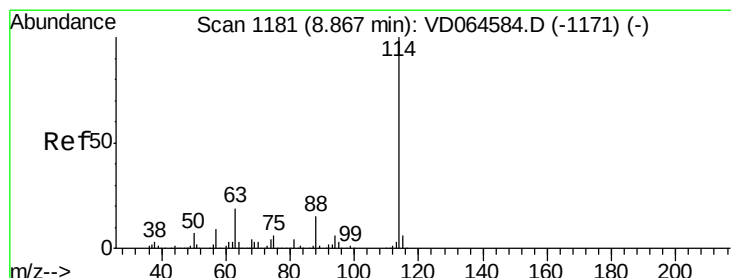
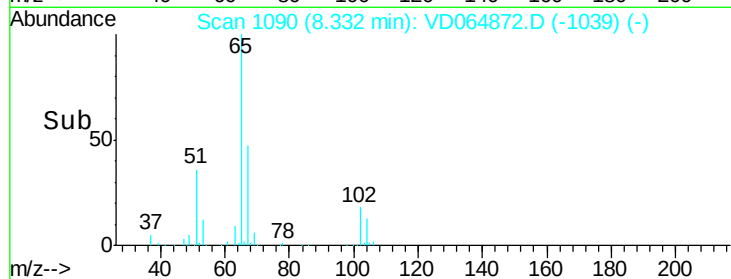
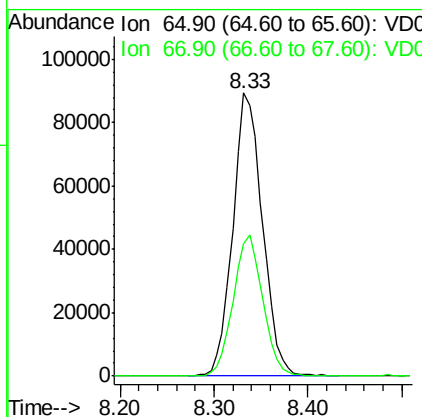
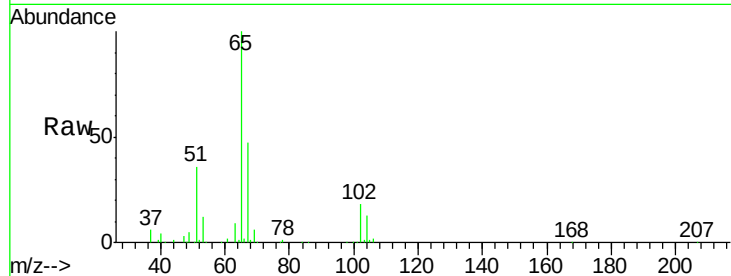




#33
 1,2-Dichloroethane-d4
 Concen: 58.45 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064872.D
 Acq: 17 Jan 2020 19:34

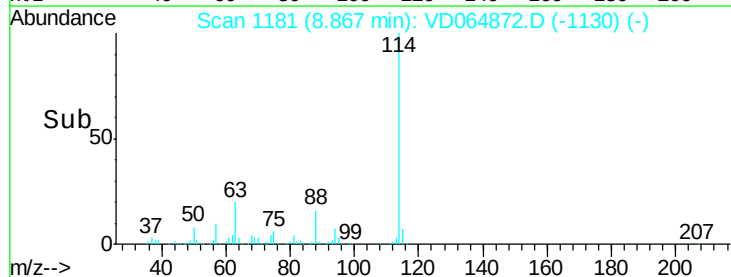
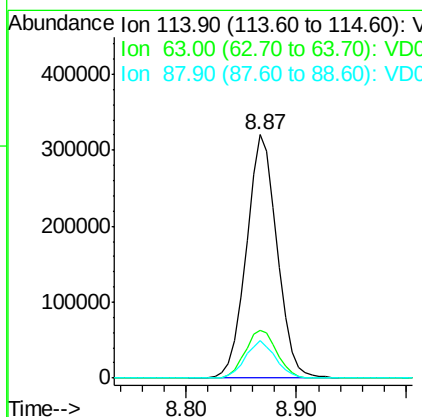
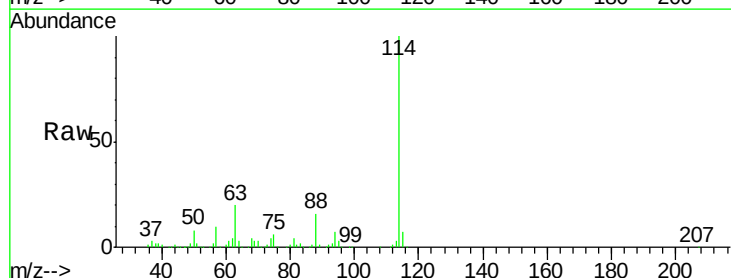
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-10

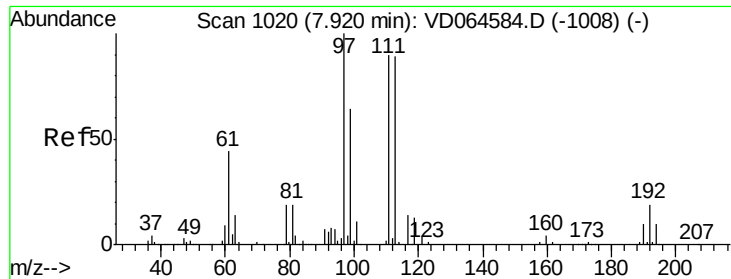
Tgt Ion: 65 Resp: 195748
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064872.D
 Acq: 17 Jan 2020 19:34

Tgt Ion: 114 Resp: 624950
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.0
 88 15.5 0.0 29.2

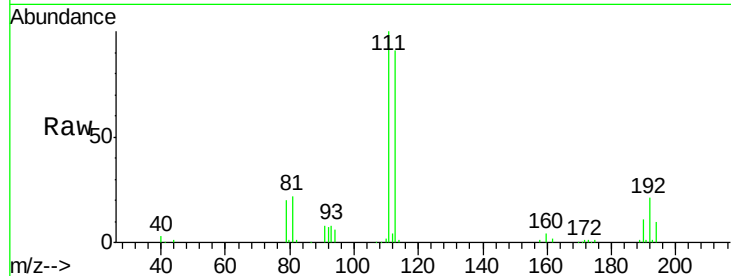




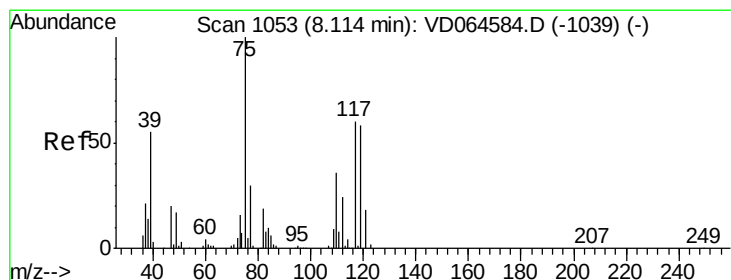
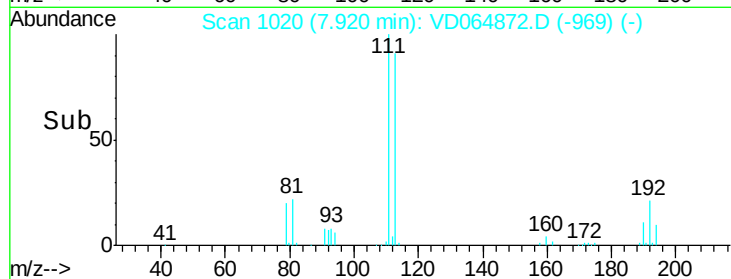
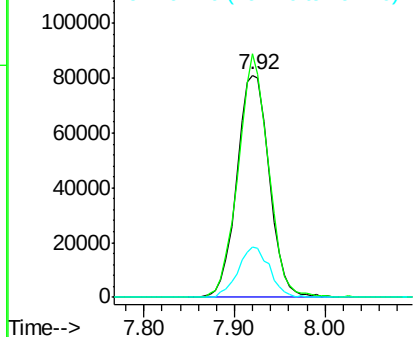
#35
 Dibromofluoromethane
 Concen: 52.47 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064872.D
 Acq: 17 Jan 2020 19:34

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.6	121.0
192	22.3	17.9	26.9

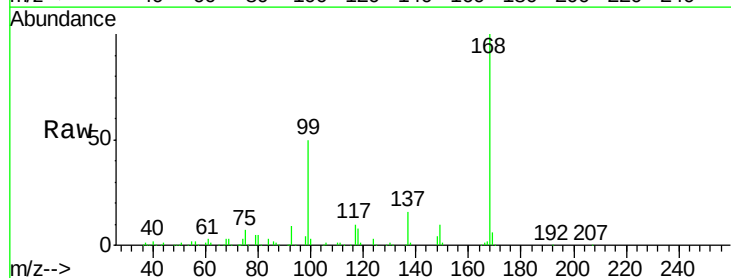


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

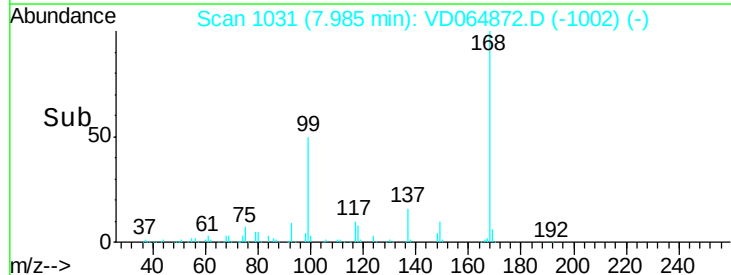
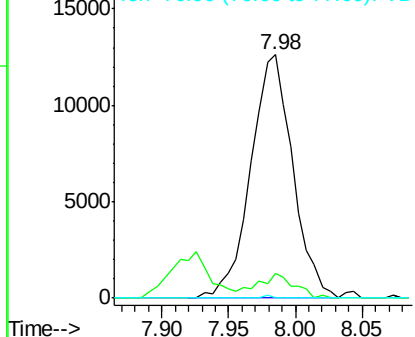


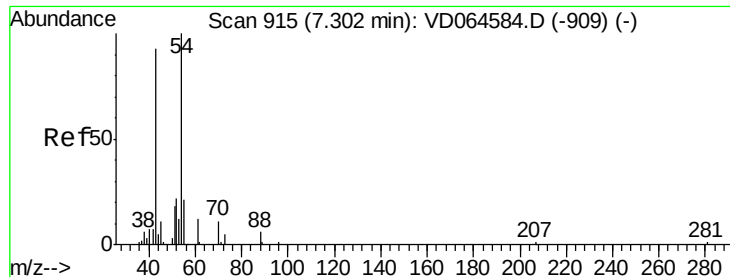
#36
 1,1-Dichloropropene
 Concen: 4.56 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064872.D
 Acq: 17 Jan 2020 19:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.1#
77	0.0	24.2	36.4#



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





#37

Ethyl Acetate

Concen: 1.66 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.09 min

Lab File: VD064872.D

Acq: 17 Jan 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

EP-10

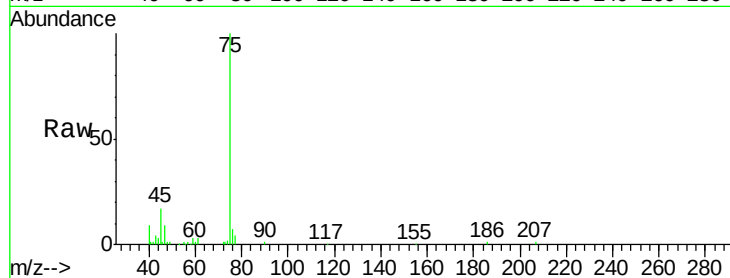
Tgt Ion: 43 Resp: 3922

Ion Ratio Lower Upper

43 100

61 83.9 10.3 15.5#

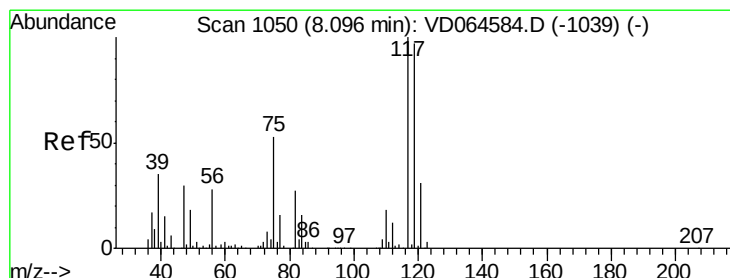
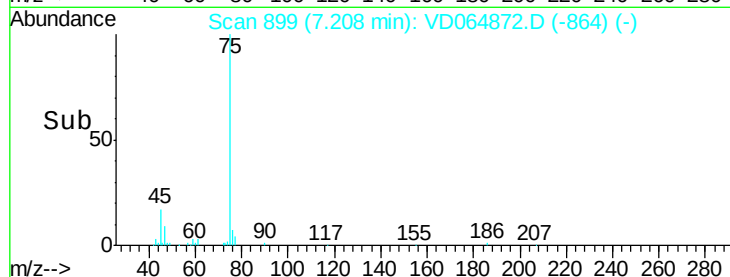
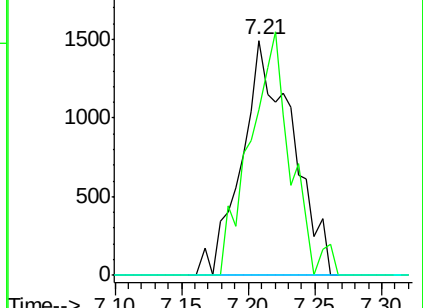
70 0.0 7.6 11.4#



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: 5.62 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064872.D

Acq: 17 Jan 2020 19:34

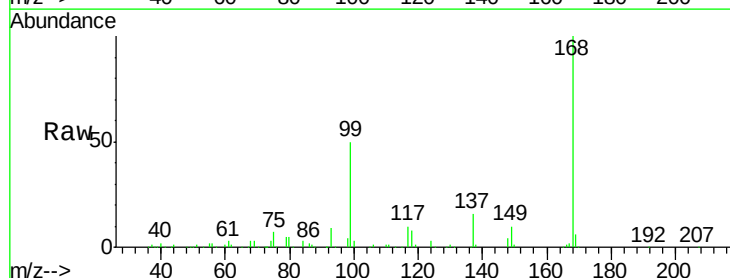
Tgt Ion: 117 Resp: 36053

Ion Ratio Lower Upper

117 100

119 5.5 77.3 115.9#

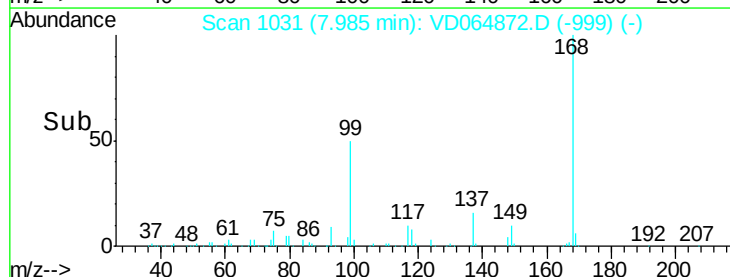
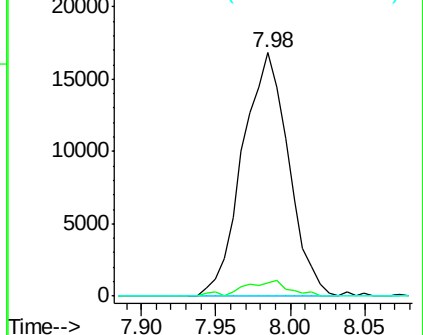
121 0.0 25.0 37.6#

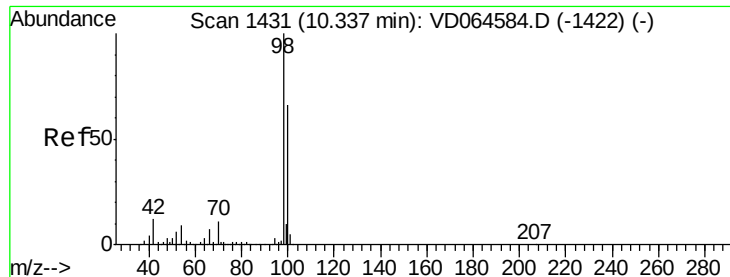


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.85 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064872.D

Acq: 17 Jan 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

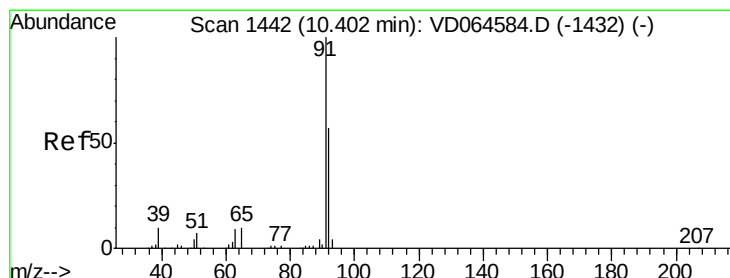
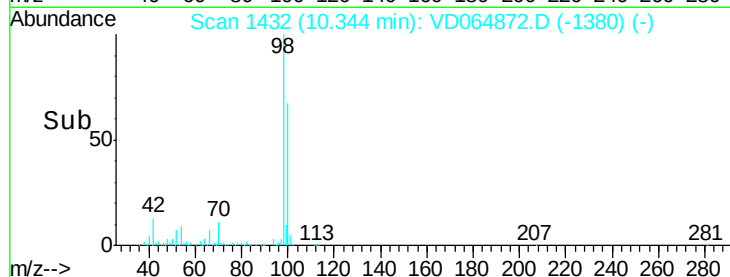
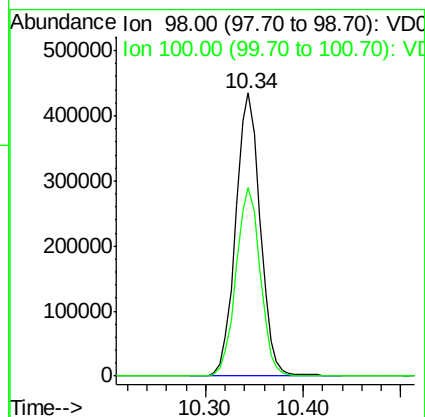
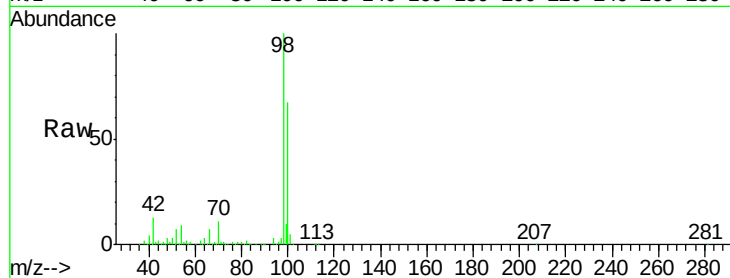
EP-10

Tgt Ion: 98 Resp: 761373

Ion Ratio Lower Upper

98 100

100 65.8 51.7 77.5



#52

Toluene

Concen: 1.73 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064872.D

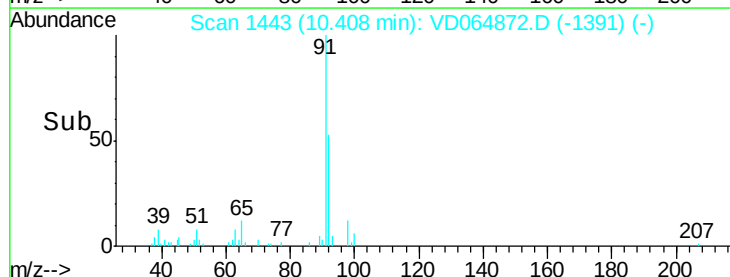
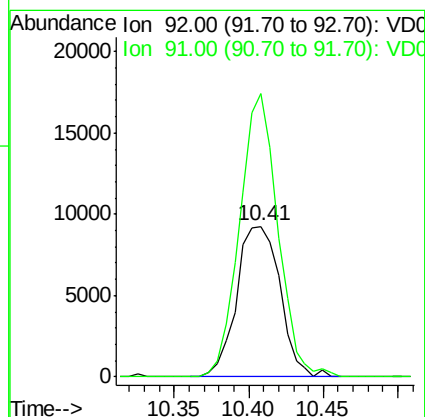
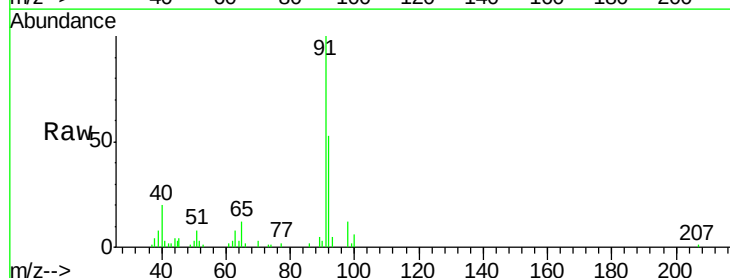
Acq: 17 Jan 2020 19:34

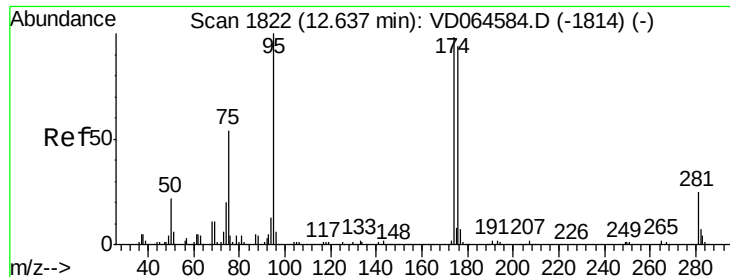
Tgt Ion: 92 Resp: 18688

Ion Ratio Lower Upper

92 100

91 165.1 138.7 208.1

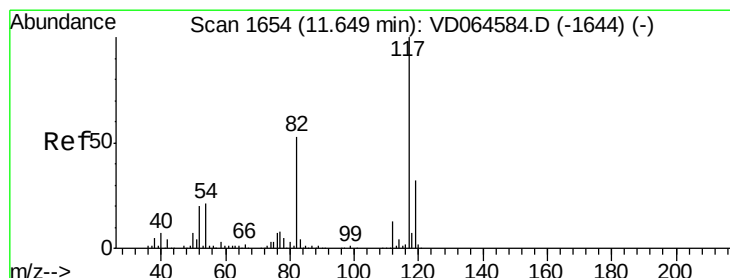
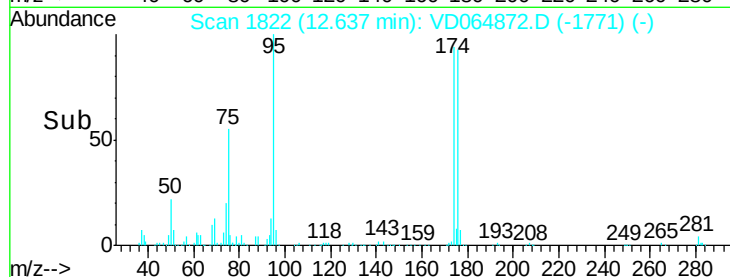
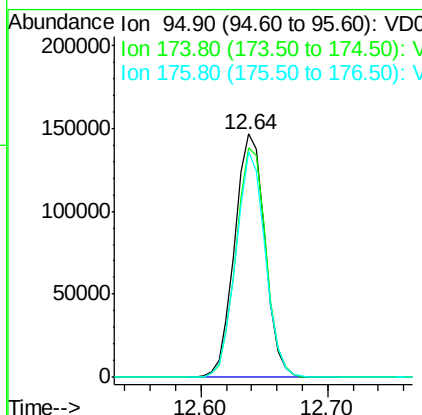
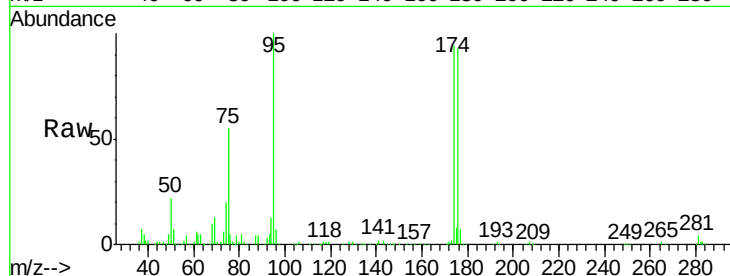




#62
4-Bromofluorobenzene
Concen: 52.10 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064872.D
Acq: 17 Jan 2020 19:34

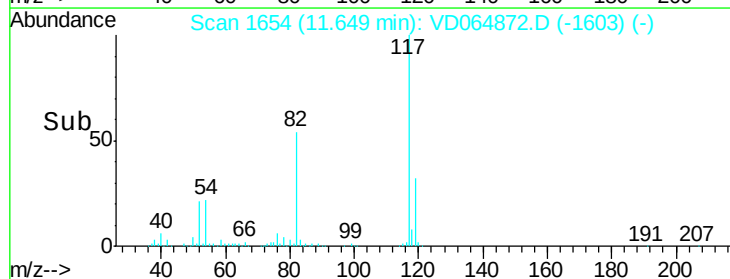
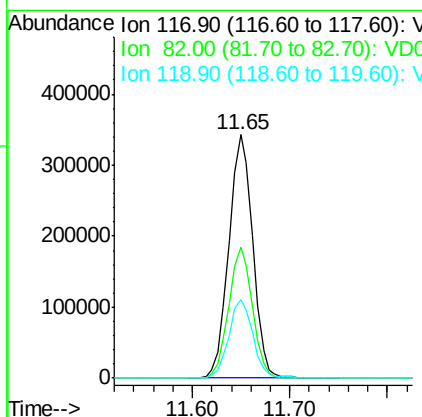
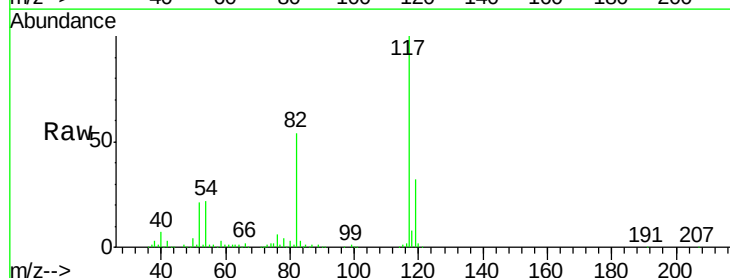
Instrument :
MSVOA_D
ClientSampleId :
EP-10

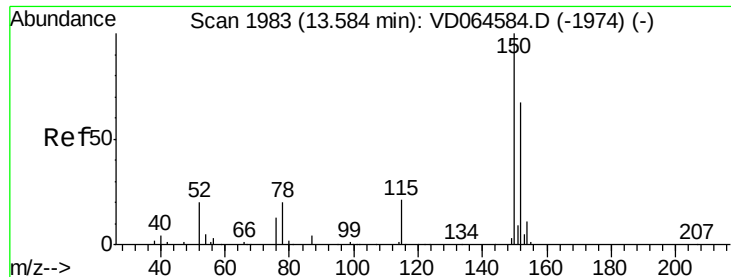
Tgt Ion: 95 Resp: 241926
Ion Ratio Lower Upper
95 100
174 93.5 0.0 193.2
176 89.7 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064872.D
Acq: 17 Jan 2020 19:34

Tgt Ion: 117 Resp: 581446
Ion Ratio Lower Upper
117 100
82 53.7 42.2 63.4
119 32.2 26.0 39.0

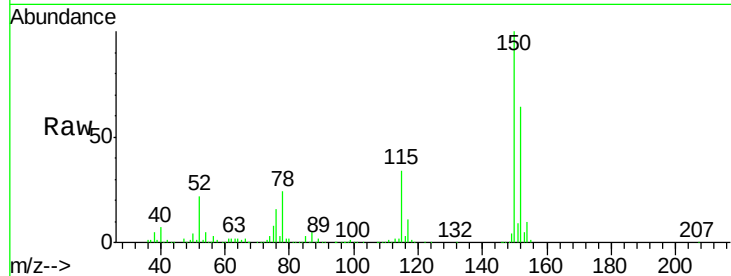




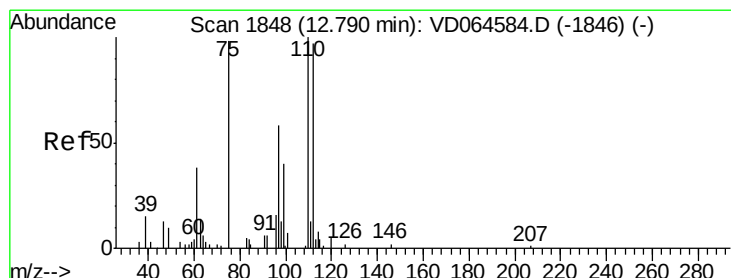
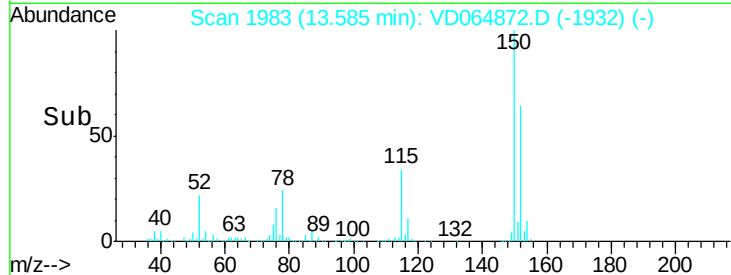
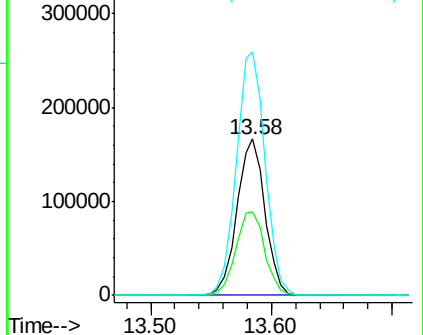
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.58 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VD064872.D
 Acq: 17 Jan 2020 19:34

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-10

Tgt Ion: 152 Resp: 268578
 Ion Ratio Lower Upper
 152 100
 115 55.3 27.8 83.4
 150 159.7 0.0 351.4

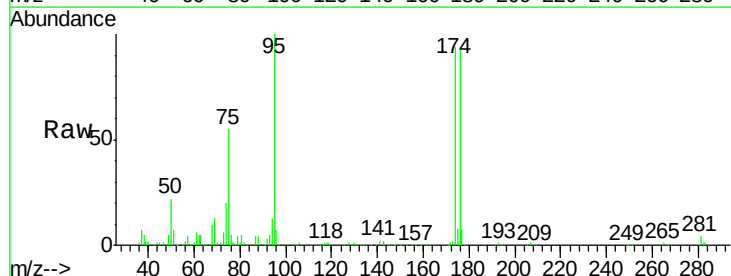


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

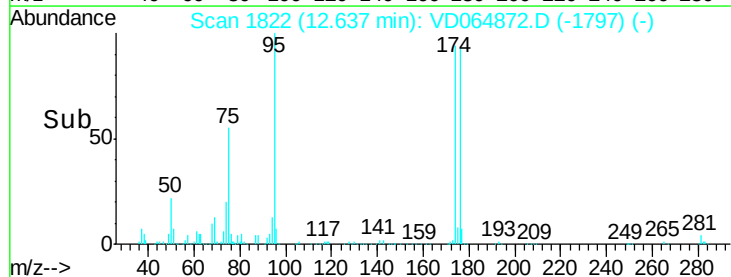
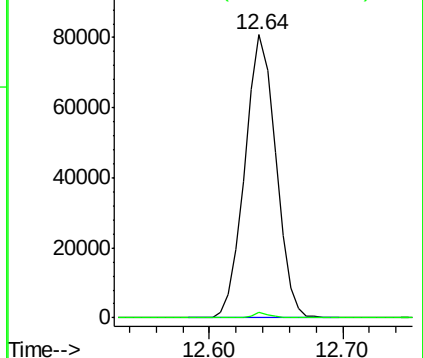


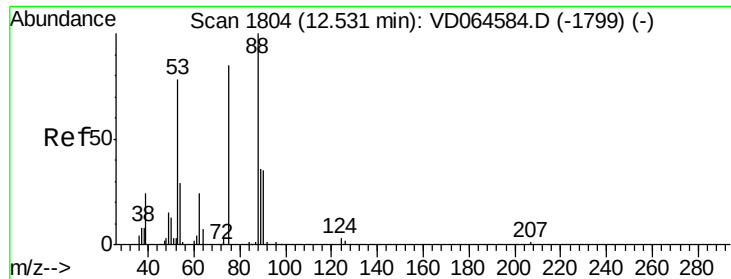
#76
 1,2,3-Trichloropropane
 Concen: 61.19 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064872.D
 Acq: 17 Jan 2020 19:34

Tgt Ion: 75 Resp: 129775
 Ion Ratio Lower Upper
 75 100
 77 1.2 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: 127.98 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064872.D

Acq: 17 Jan 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

EP-10

Tgt Ion: 75 Resp: 129775

Ion Ratio Lower Upper

75 100

53 0.2 78.8 118.2#

89 0.1 38.3 57.5#

