

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064360.D
 Acq On : 25 Nov 2019 15:03
 Operator : VA/SY
 Sample : K5999-02
 Misc : 5.14G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 26 05:36:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	777588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1168825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	978916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	390720	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	308803	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
35) Dibromofluoromethane	7.92	113	339815	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
50) Toluene-d8	10.34	98	1338406	52.88	ug/l	0.00
Spiked Amount			Recovery	=	105.76%	
62) 4-Bromofluorobenzene	12.64	95	393460	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	

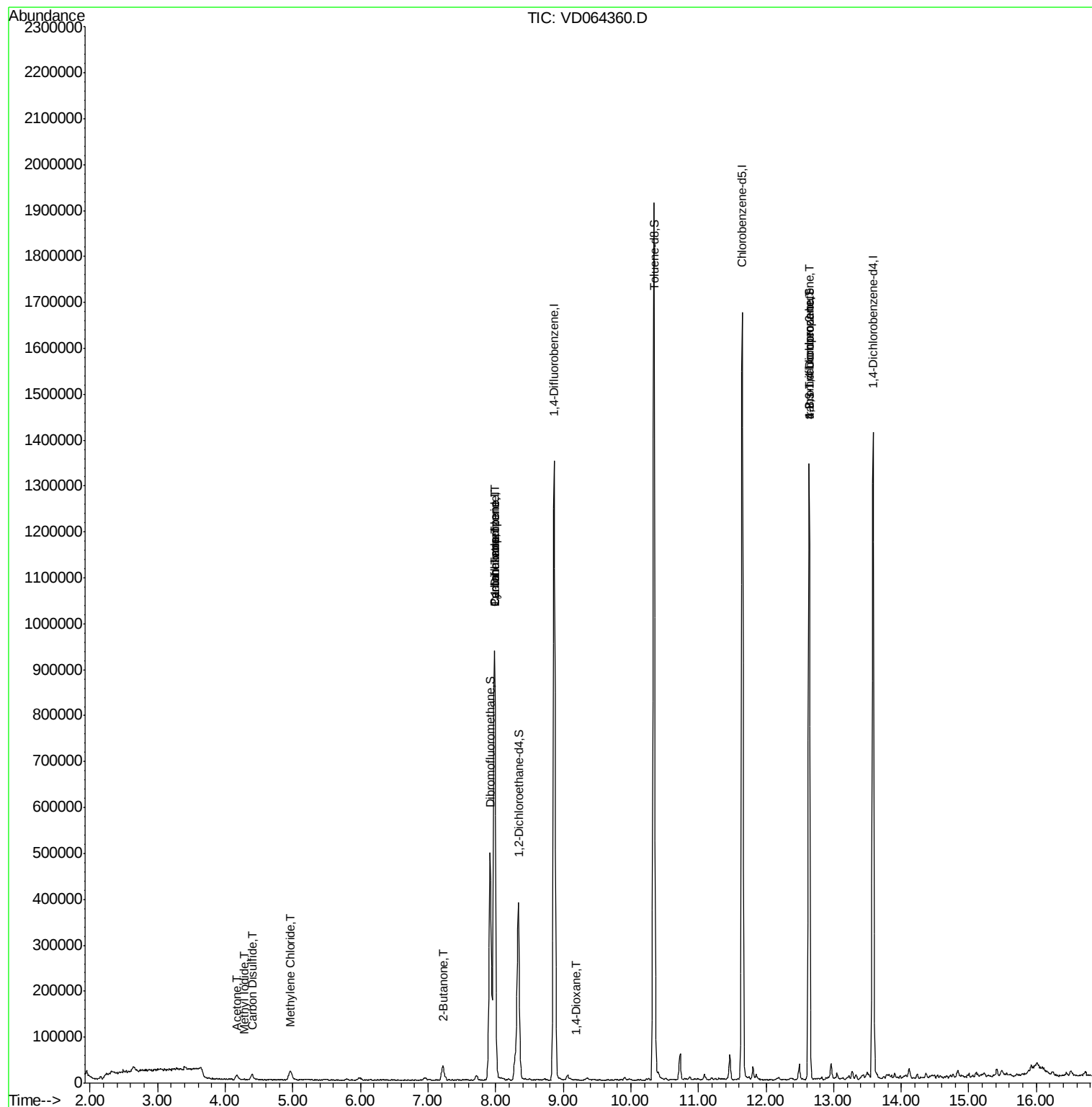
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	601	2.105	ug/l #	41
16) Acetone	4.17	43	17617	11.628	ug/l	96
17) Carbon Disulfide	4.40	76	24550	1.207	ug/l #	93
20) Methylene Chloride	4.97	84	14990	1.959	ug/l #	91
25) 2-Butanone	7.23	43	5756	2.941	ug/l #	89
31) Cyclohexane	7.98	56	17795	1.418	ug/l #	53
36) 1,1-Dichloropropene	7.98	75	52134	4.833	ug/l #	50
38) Carbon Tetrachloride	7.98	117	71288	6.176	ug/l #	15
49) 1,4-Dioxane	9.20	88	98	2.124	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	198380	63.035	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	198380	125.213	ug/l #	10

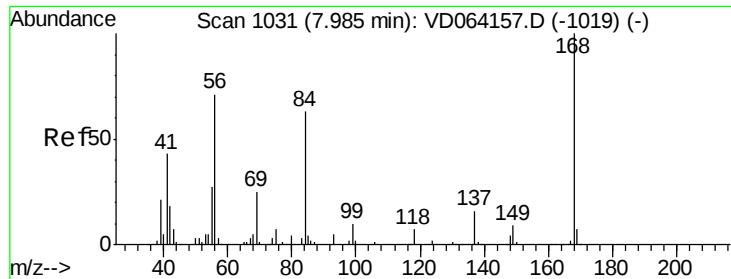
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112519\
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QLast Update : Tue Nov 12 02:43:24 2019
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: VD064360.D

Acq: 25 Nov 2019 15:03

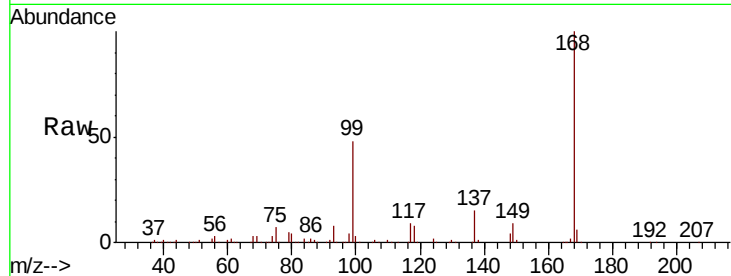
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 777588

Ion Ratio Lower Upper

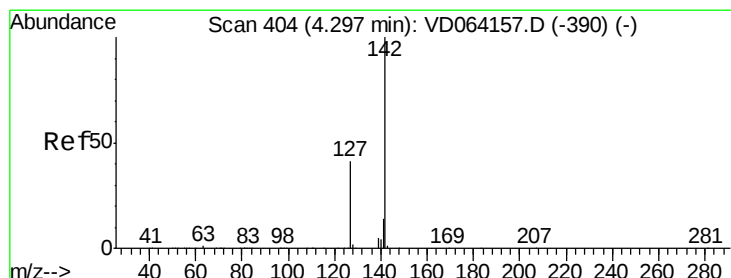
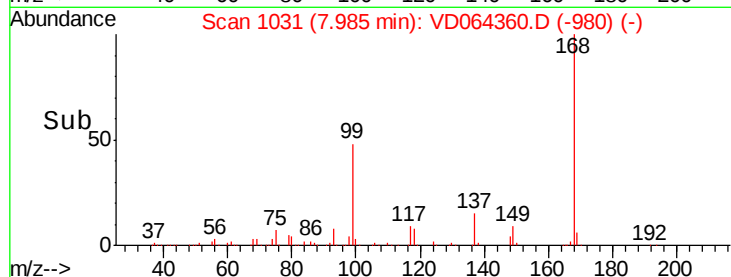
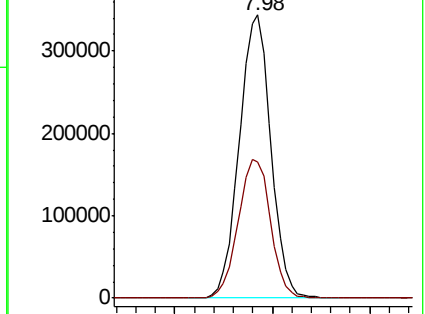
168 100

99 48.3 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 2.105 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064360.D

Acq: 25 Nov 2019 15:03

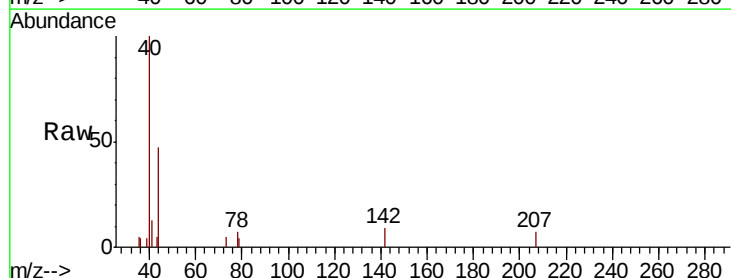
Tgt Ion:142 Resp: 601

Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

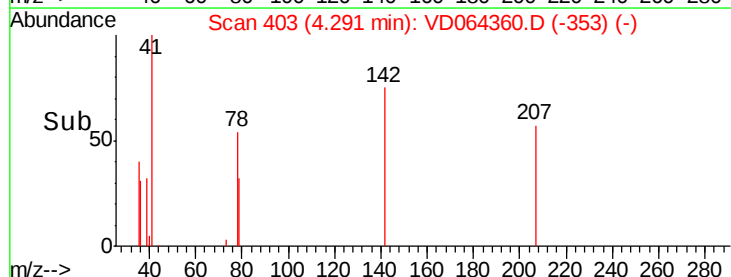
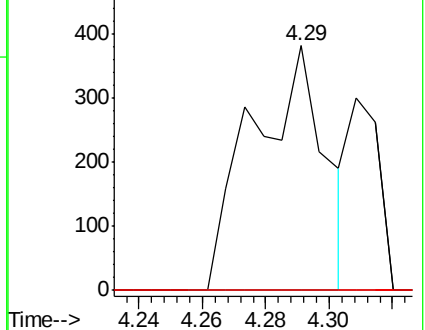
141 0.0 11.2 16.8#

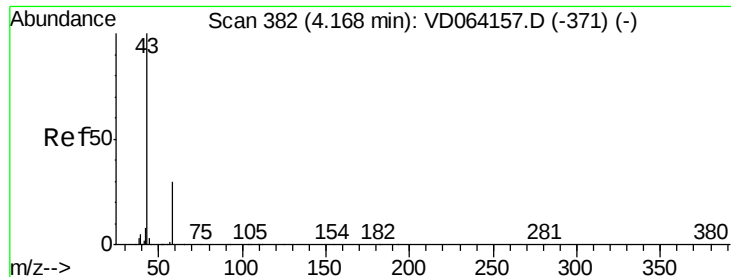


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 11.628 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064360.D

Acq: 25 Nov 2019 15:03

Instrument :

MSVOA_D

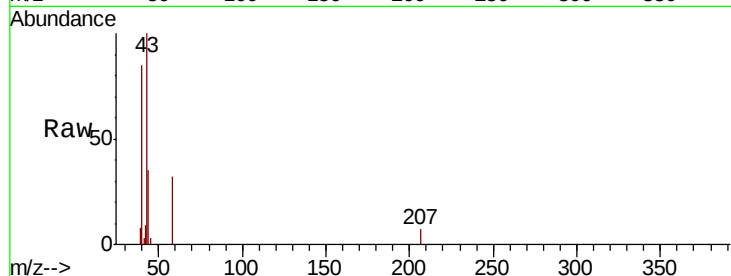
ClientSampleId :

Tot Ion: 43 Resp: 17617

Ion Ratio Lower Upper

43 100

58 32.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

6000

5000

4000

3000

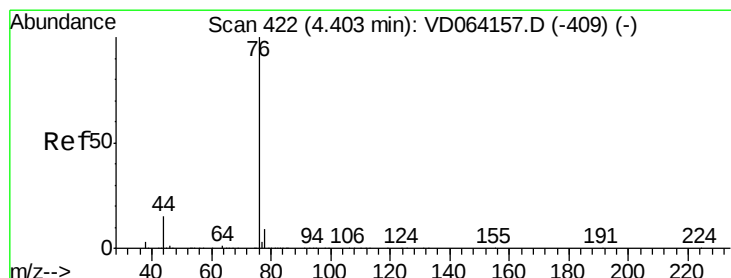
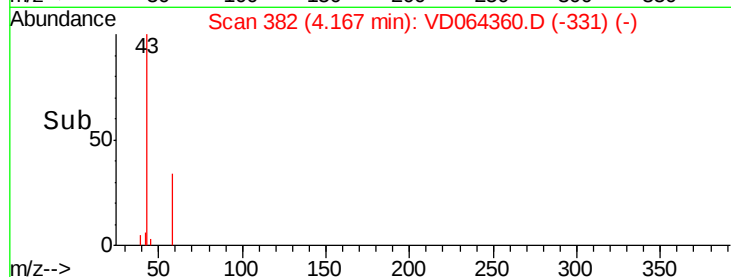
2000

1000

0

4.10 4.20 4.30

Time-->



#17

Carbon Disulfide

Concen: 1.207 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064360.D

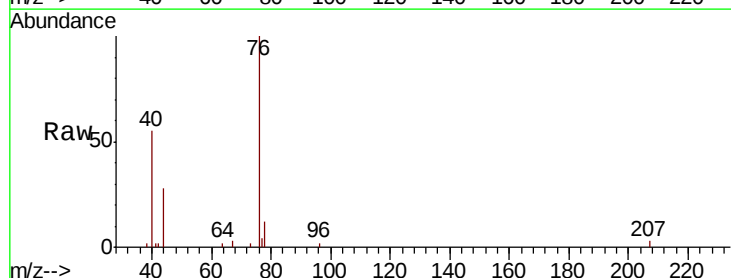
Acq: 25 Nov 2019 15:03

Tgt Ion: 76 Resp: 24550

Ion Ratio Lower Upper

76 100

78 11.5 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10000

8000

6000

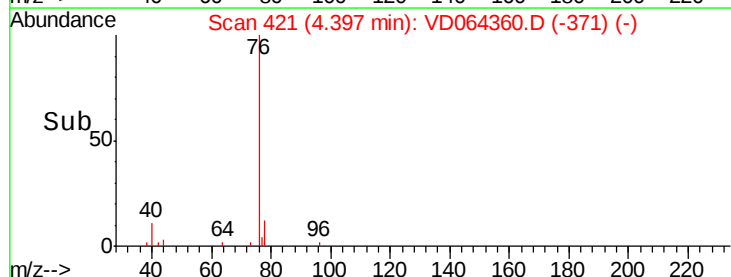
4000

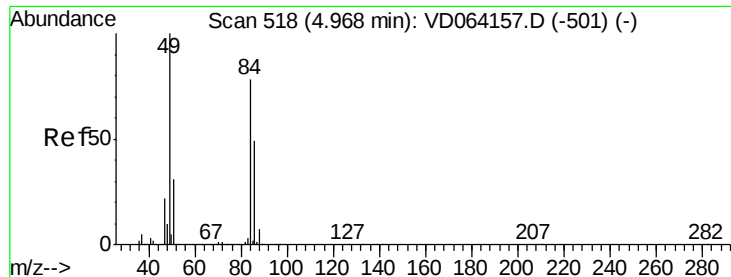
2000

0

4.30 4.40 4.50

Time-->

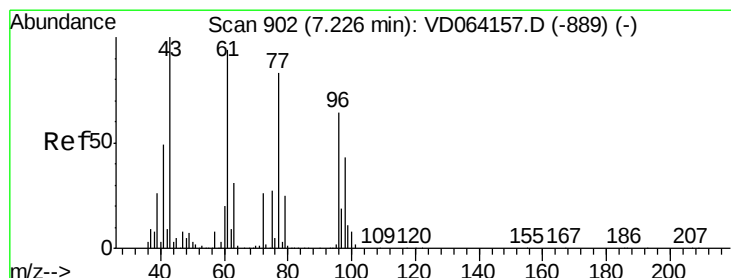
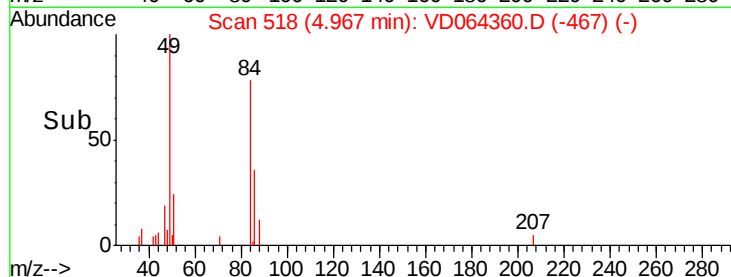
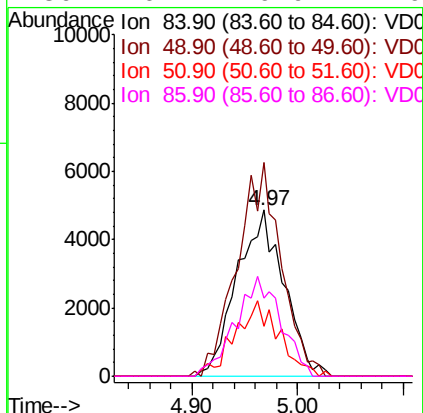
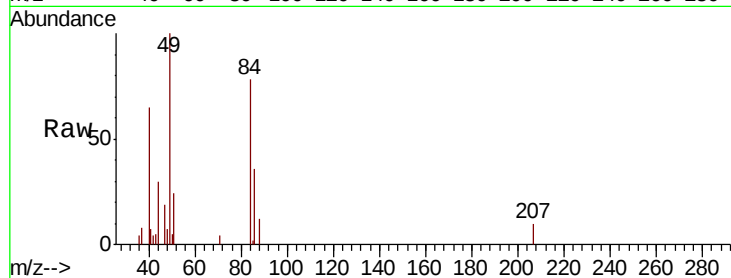




#20
Methvlene Chloride
Concen: 1.959 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064360.D
Acq: 25 Nov 2019 15:03

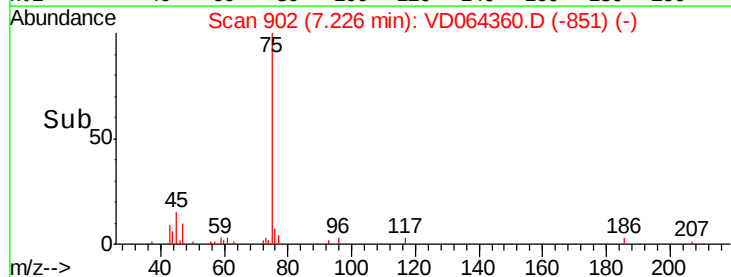
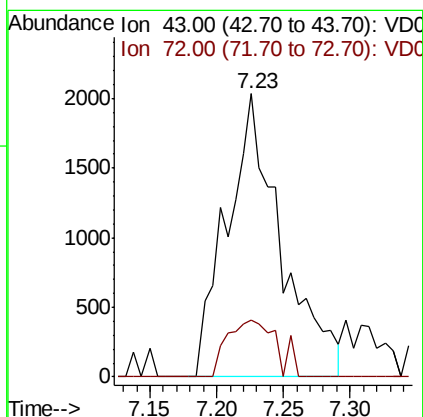
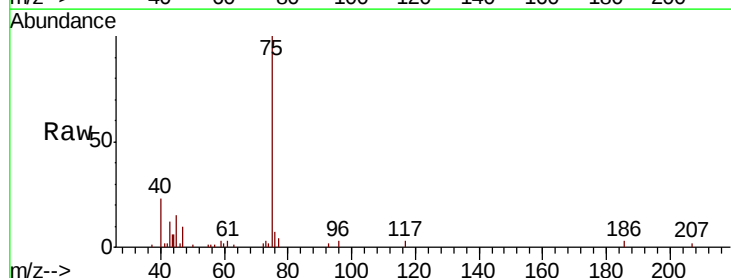
Instrument :
MSVOA_D
ClientSampleId :

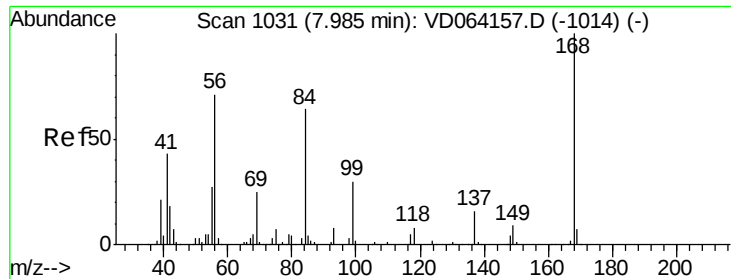
Tot Ion: 84 Resp: 14990
Ion Ratio Lower Upper
84 100
49 128.7 102.1 153.1
51 30.3 32.2 48.2#
86 46.7 49.9 74.9#



#25
2-Butanone
Concen: 2.941 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD064360.D
Acq: 25 Nov 2019 15:03

Tgt Ion: 43 Resp: 5756
Ion Ratio Lower Upper
43 100
72 20.0 20.6 30.8#

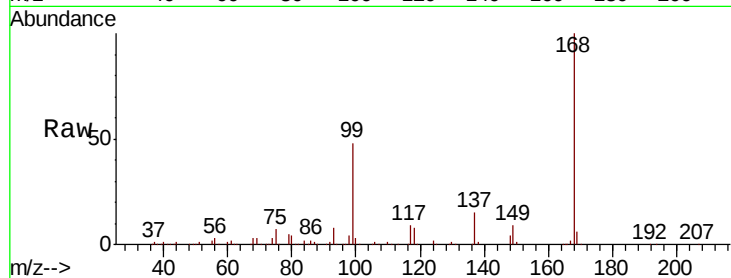




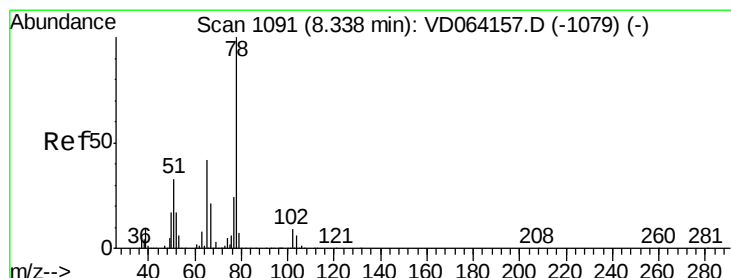
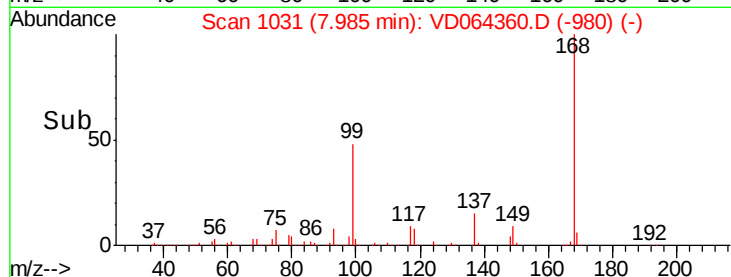
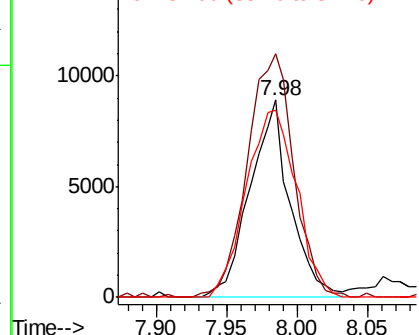
#31
Cyclohexane
Concen: 1.418 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064360.D
Acq: 25 Nov 2019 15:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 17795
Ion Ratio Lower Upper
56 100
69 123.5 28.2 42.4#
84 95.1 71.8 107.6

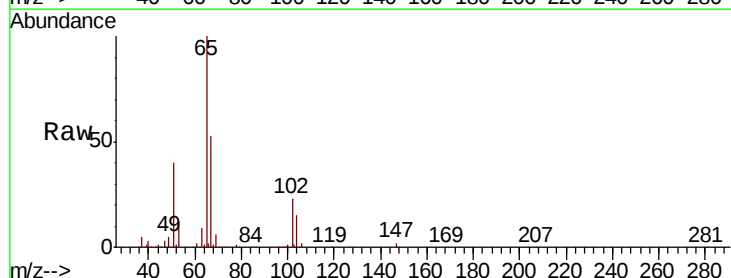


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

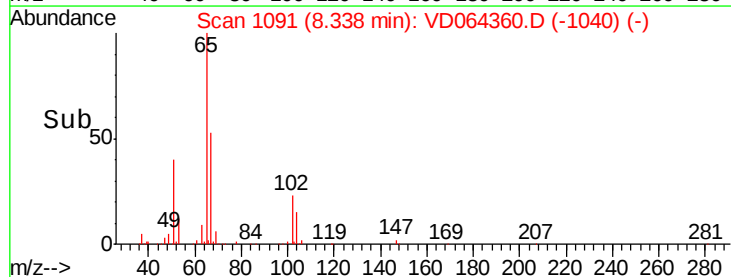
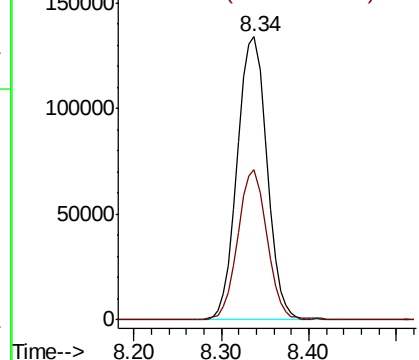


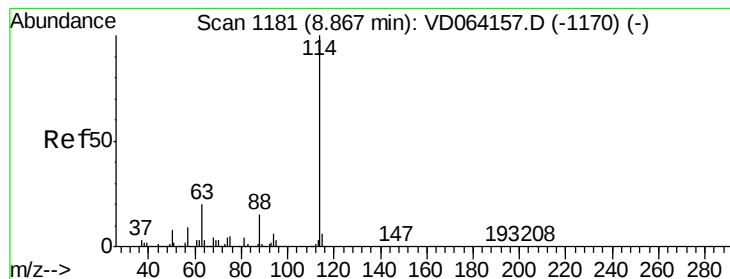
#33
1,2-Dichloroethane-d4
Concen: 48.287 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064360.D
Acq: 25 Nov 2019 15:03

Tgt Ion: 65 Resp: 308803
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064360.D

Acq: 25 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

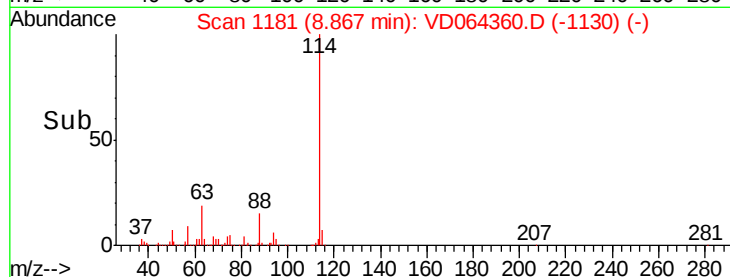
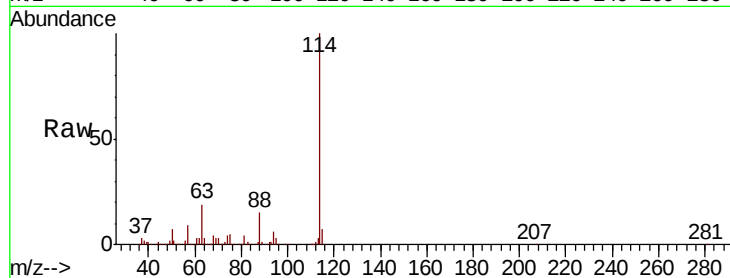
Tot Ion:114 Resp: 1168825

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

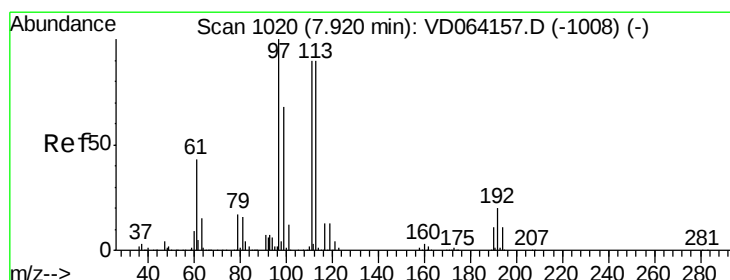
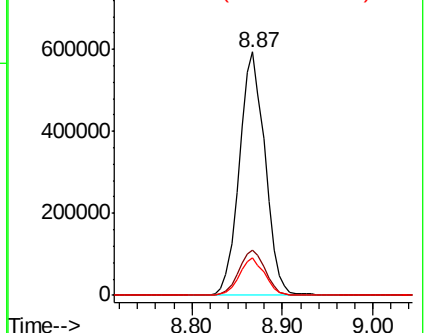
88 15.2 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.649 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064360.D

Acq: 25 Nov 2019 15:03

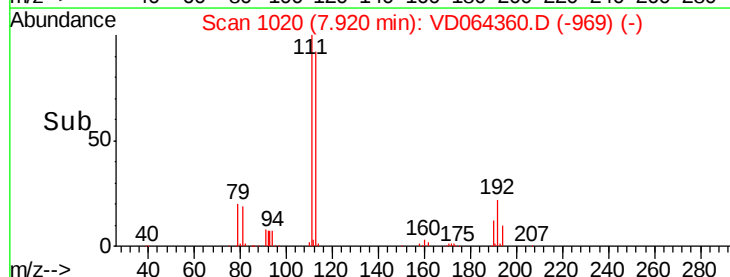
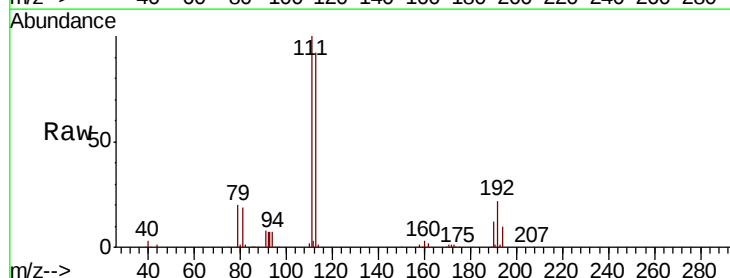
Tgt Ion:113 Resp: 339815

Ion Ratio Lower Upper

113 100

111 104.0 81.5 122.3

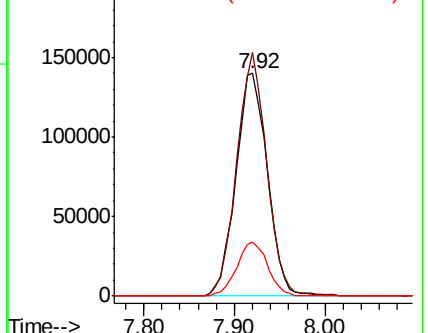
192 23.9 18.8 28.2

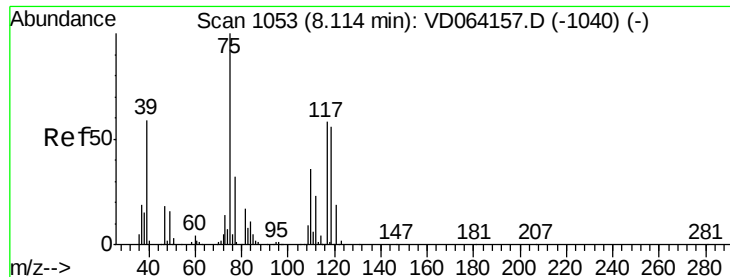


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.833 ug/l

RT: 7.98 min Scan# 1031

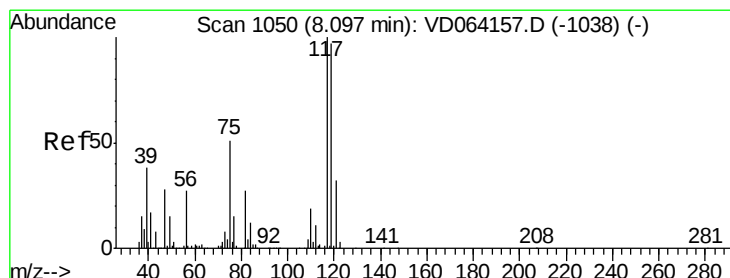
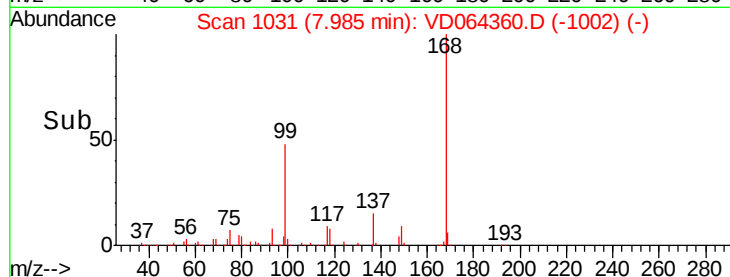
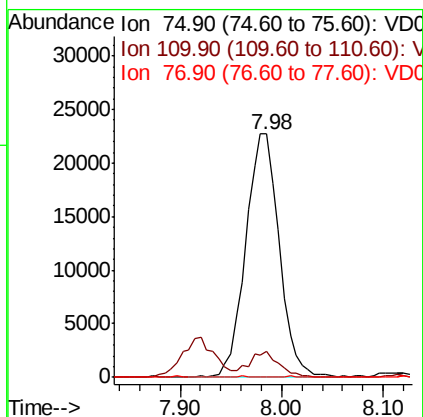
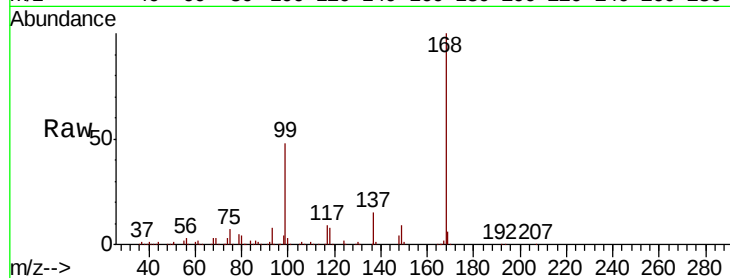
Delta R.T. -0.13 min

Lab File: VD064360.D

Acq: 25 Nov 2019 15:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	75	Resp:	52134
Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.3	54.9#
77	0.0	25.0	37.6#



#38

Carbon Tetrachloride

Concen: 6.176 ug/l

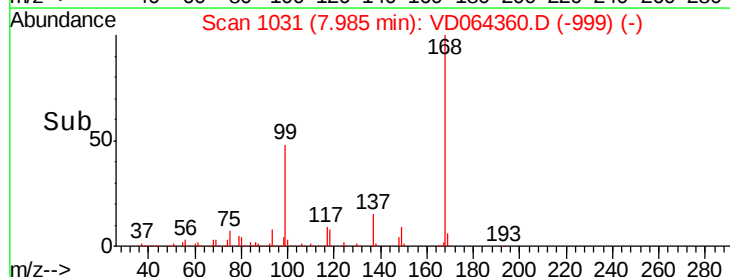
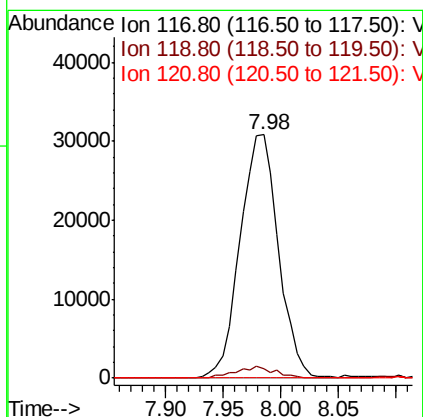
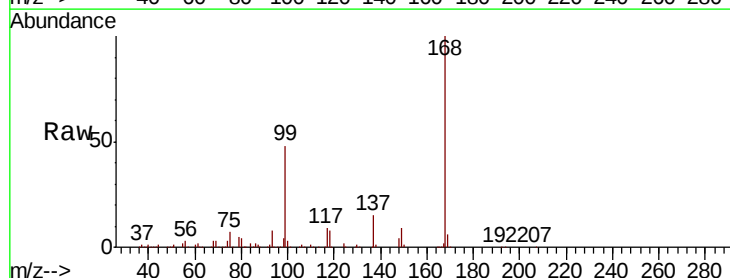
RT: 7.98 min Scan# 1031

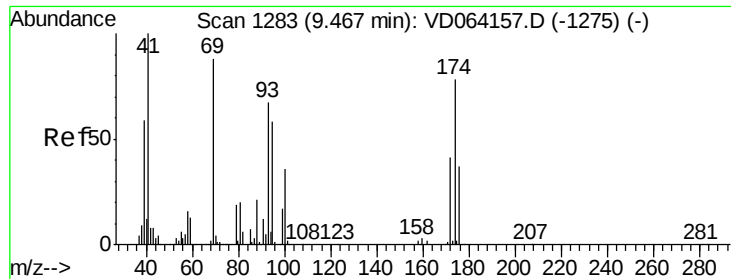
Delta R.T. -0.11 min

Lab File: VD064360.D

Acq: 25 Nov 2019 15:03

Tgt Ion:	117	Resp:	71288
Ion	Ratio	Lower	Upper
117	100		
119	3.7	77.2	115.8#
121	0.0	25.5	38.3#

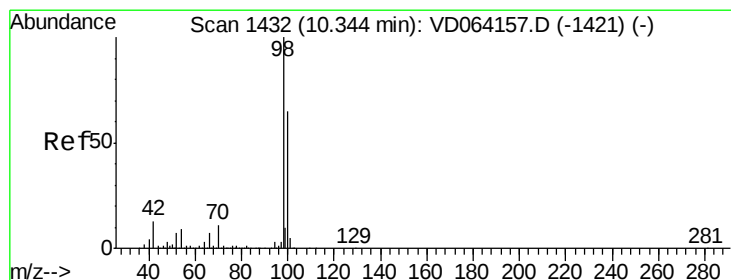
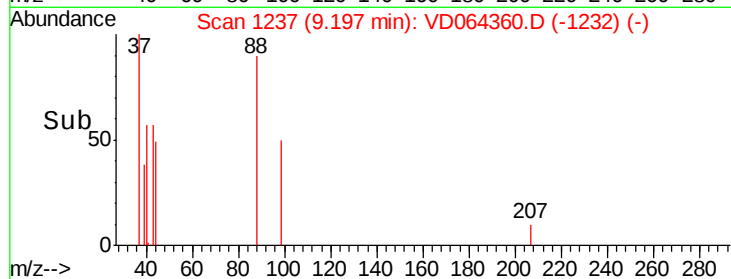
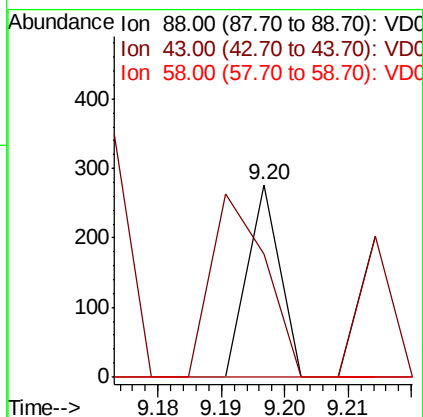
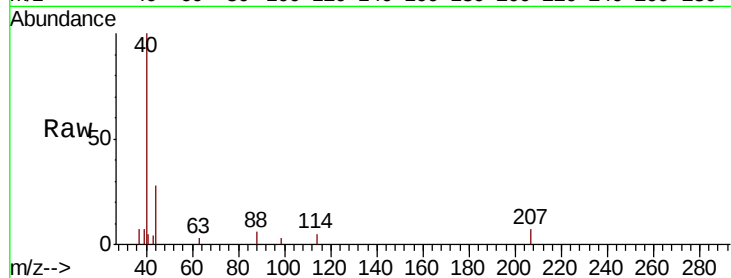




#49
1,4-Dioxane
Concen: 2.124 ug/l
RT: 9.20 min Scan# 1237
Delta R.T. -0.27 min
Lab File: VD064360.D
Acq: 25 Nov 2019 15:03

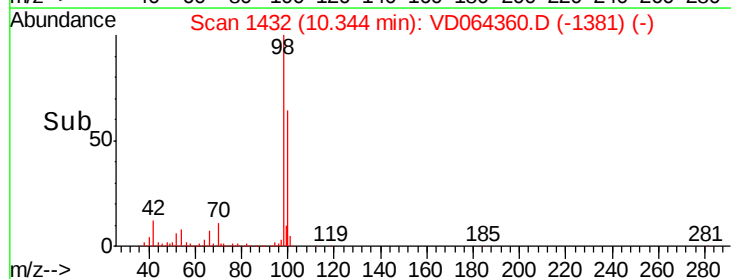
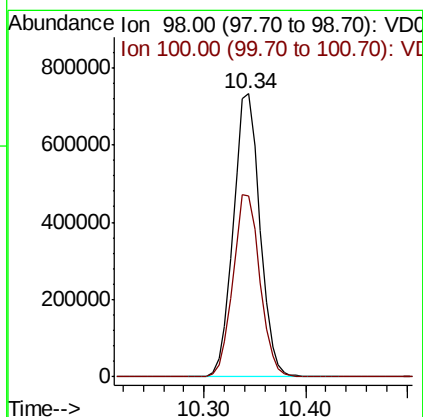
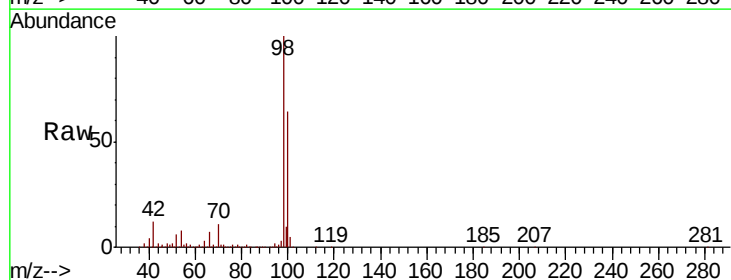
Instrument :
MSVOA_D
ClientSampled :

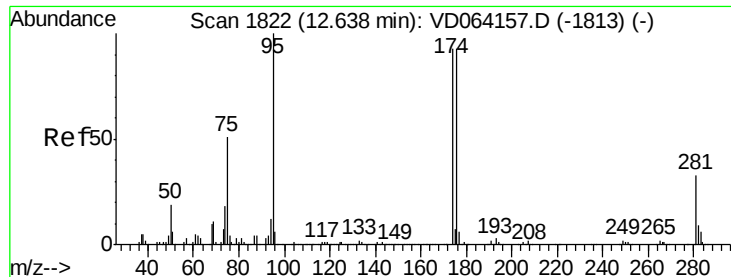
Tot Ion: 88 Resp: 98
Ion Ratio Lower Upper
88 100
43 158.2 29.8 44.8#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 52.880 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064360.D
Acq: 25 Nov 2019 15:03

Tgt Ion: 98 Resp: 1338406
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8

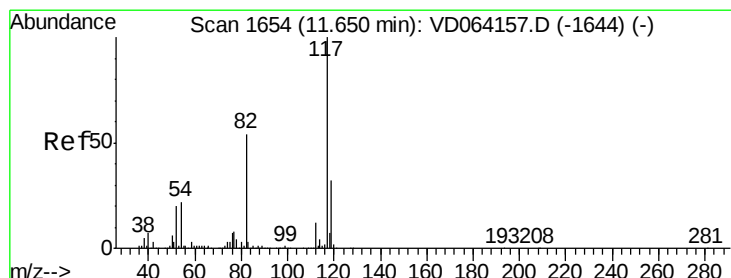
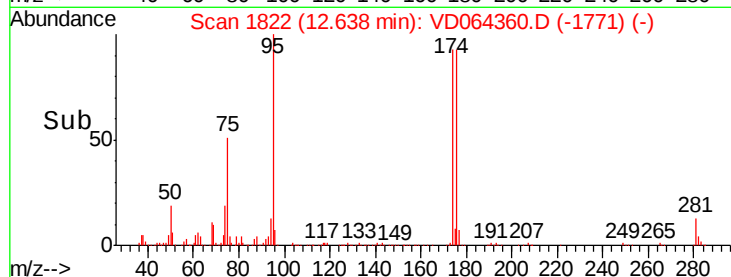
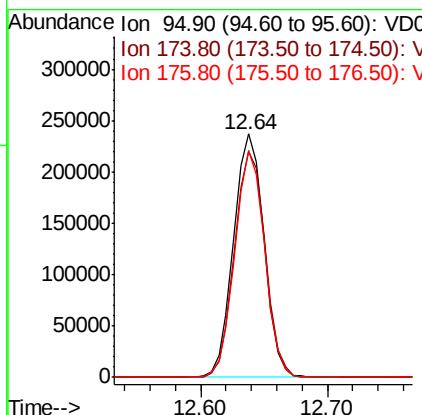
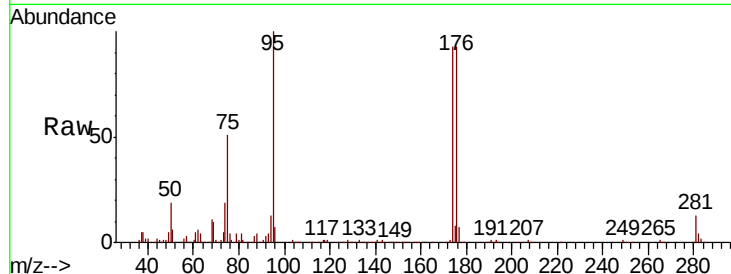




#62
4-Bromofluorobenzene
Concen: 44.890 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064360.D
Acq: 25 Nov 2019 15:03

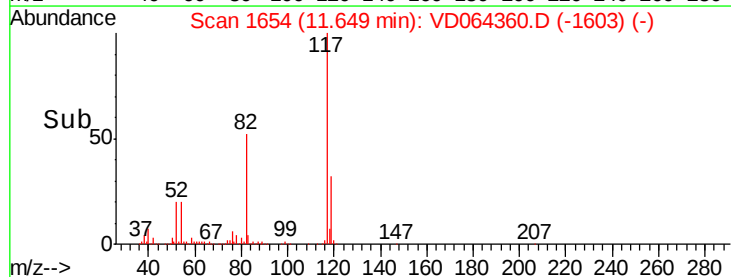
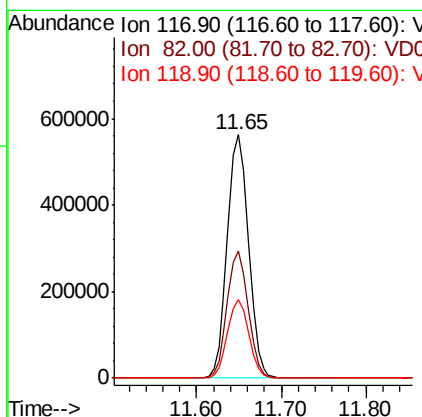
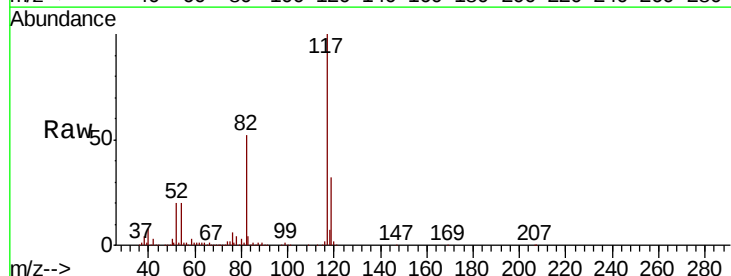
Instrument :
MSVOA_D
ClientSampleId :

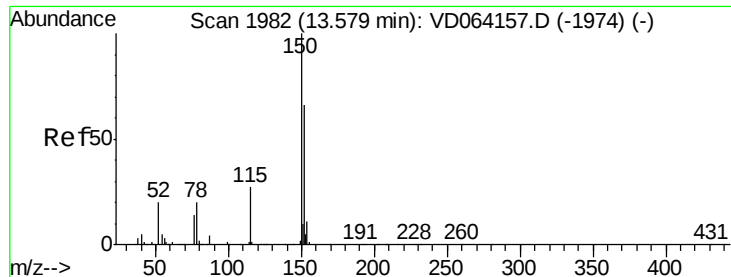
Tot Ion	Ratio	Lower	Upper
95	100		
174	93.9	0.0	183.6
176	91.1	0.0	180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064360.D
Acq: 25 Nov 2019 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.8	64.2
119	32.1	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064360.D

Acq: 25 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

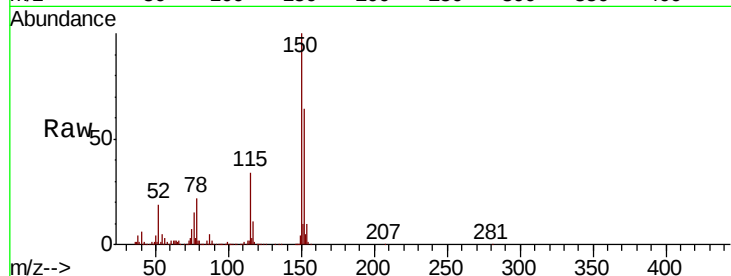
Tot Ion:152 Resp: 390720

Ion Ratio Lower Upper

152 100

115 53.0 27.4 82.2

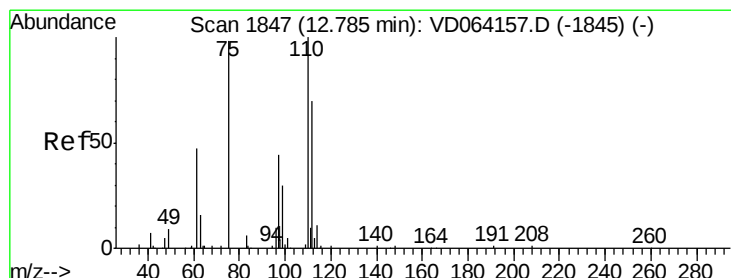
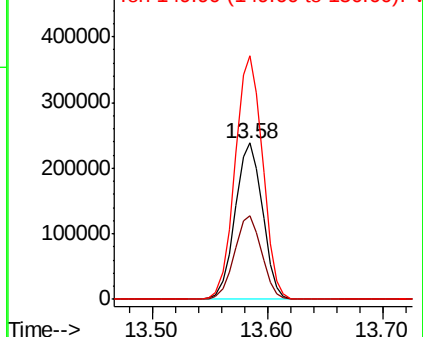
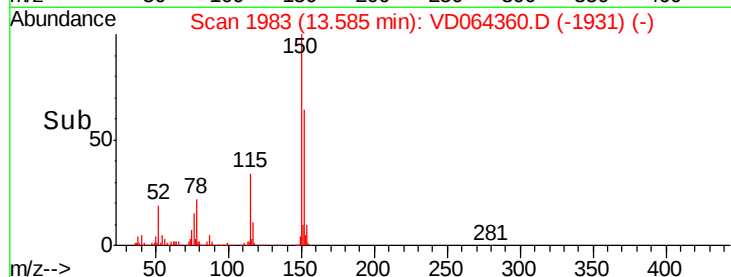
150 156.0 0.0 351.6



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: 63.035 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064360.D

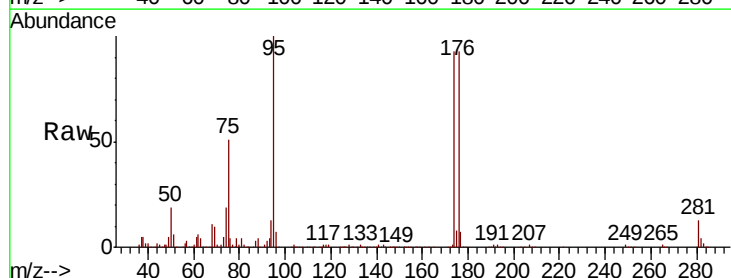
Acq: 25 Nov 2019 15:03

Tgt Ion: 75 Resp: 198380

Ion Ratio Lower Upper

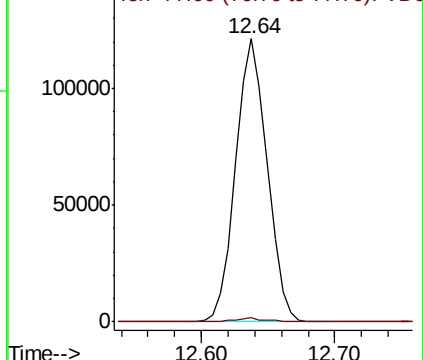
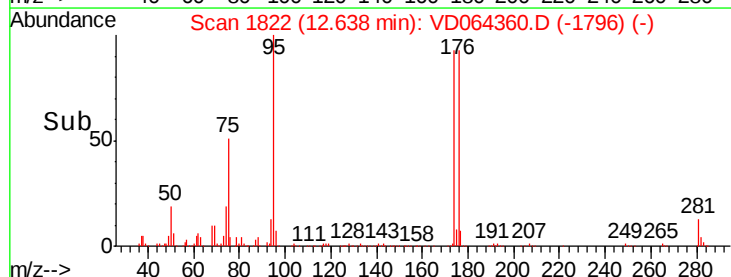
75 100

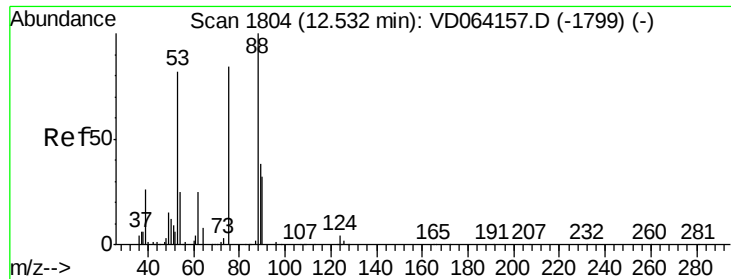
77 1.3 0.0 0.0#



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: 125.213 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064360.D

Acq: 25 Nov 2019 15:03

Instrument :

MSVOA_D

ClientSampleId :

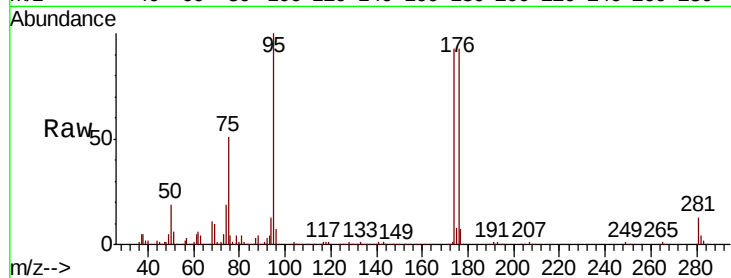
Tot Ion: 75 Resp: 198380

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.1 36.6 55.0#



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

