

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064620.D
 Acq On : 27 Dec 2019 02:32
 Operator : VA/SY
 Sample : K6117-10
 Misc : 7.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-122619

Quant Time: Dec 27 05:03:37 2019
 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	7.99	168	481408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	759237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	652264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281291	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	233495	55.00	ug/l	0.00
Spiked Amount			Recovery	=	110.00%	
35) Dibromofluoromethane	7.92	113	235604	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
50) Toluene-d8	10.34	98	896322	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.64	95	266855	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	

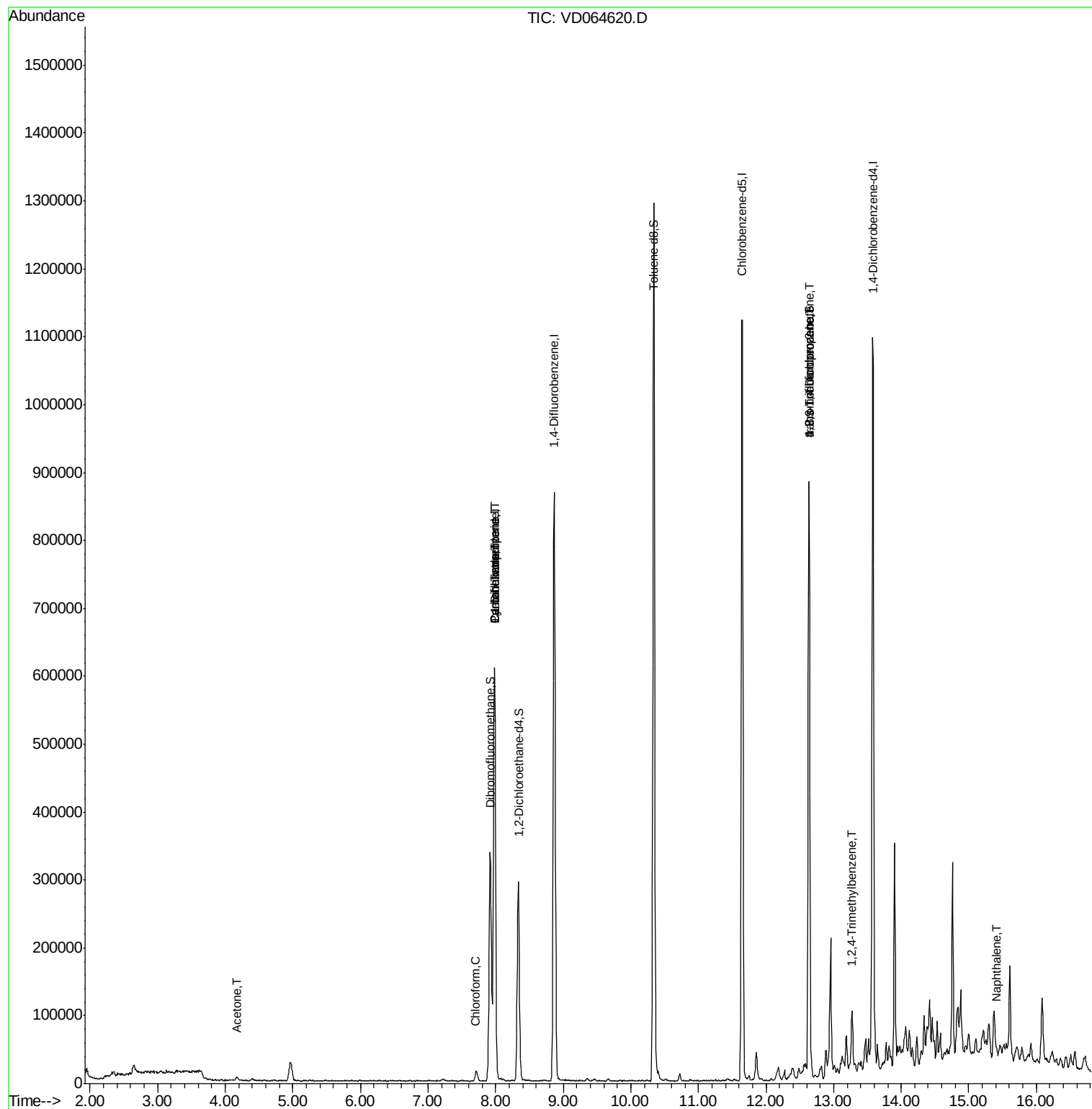
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	6970	11.056	ug/l #	87
30) Chloroform	7.71	83	13177	1.588	ug/l	94
31) Cyclohexane	7.99	56	11270	1.424	ug/l #	21
36) 1,1-Dichloropropene	7.99	75	33939	4.644	ug/l #	50
38) Carbon Tetrachloride	7.99	117	47215	6.059	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	140742	63.362	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	140742	132.519	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.27	105	47303	2.876	ug/l	99
95) Naphthalene	15.41	128	10199	1.090	ug/l #	95

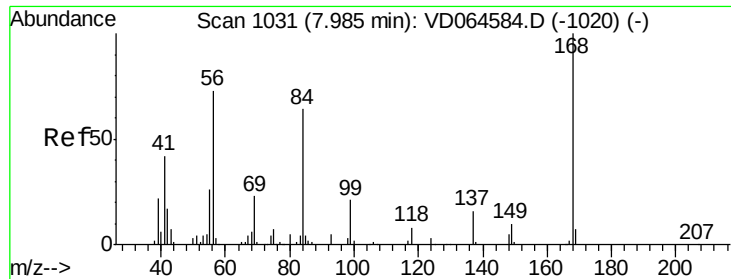
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064620.D

Acq: 27 Dec 2019 02:32

Instrument :

MSVOA_D

ClientSampleId :

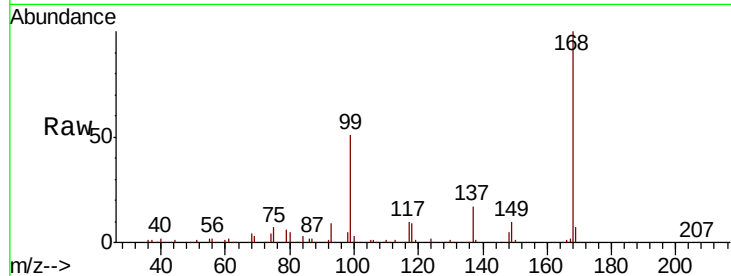
TR-05-122619

Tot Ion:168 Resp: 481408

Ion Ratio Lower Upper

168 100

99 51.5 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

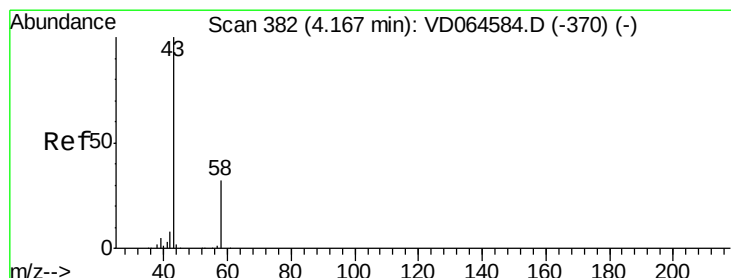
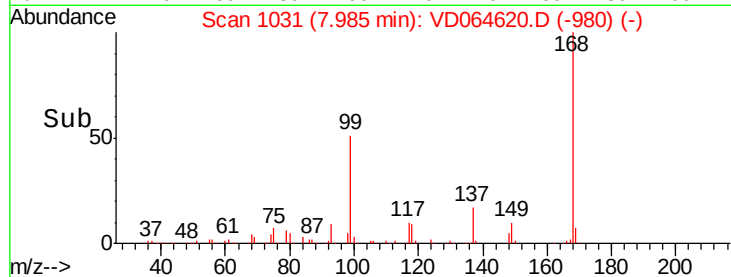
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 11.056 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064620.D

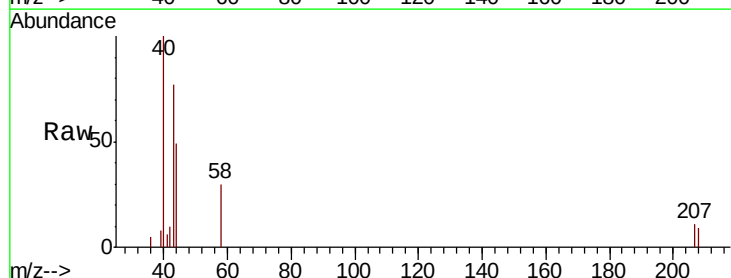
Acq: 27 Dec 2019 02:32

Tgt Ion: 43 Resp: 6970

Ion Ratio Lower Upper

43 100

58 39.3 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

2500

2000

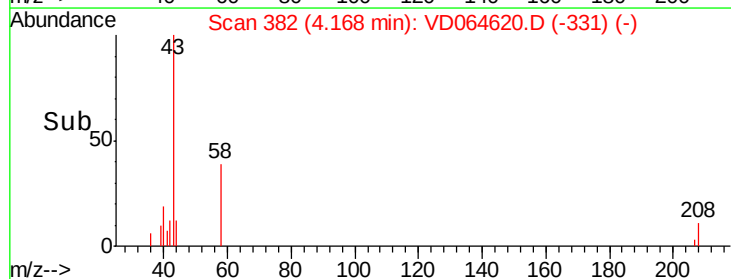
1500

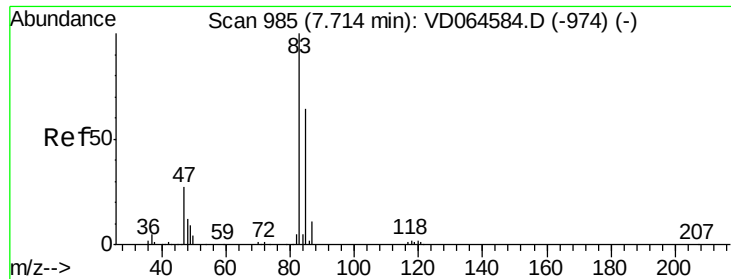
1000

500

0

Time-->

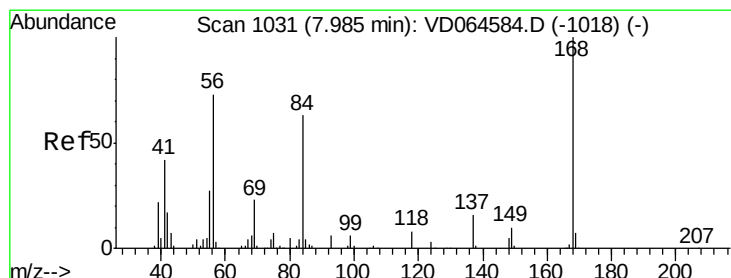
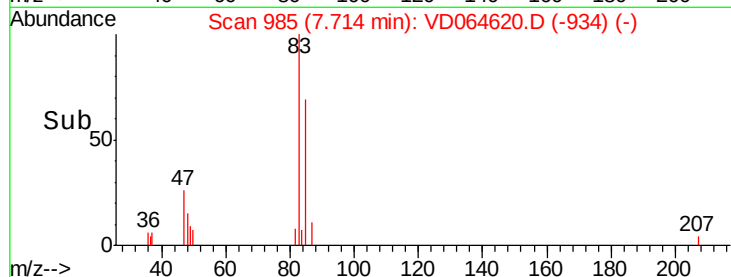
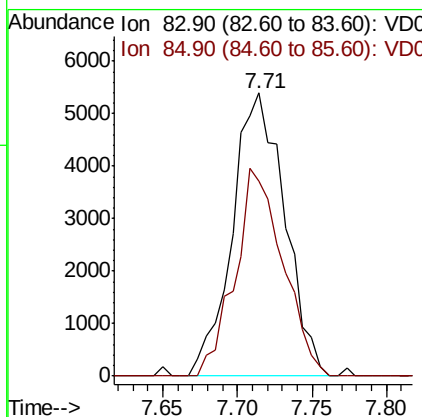
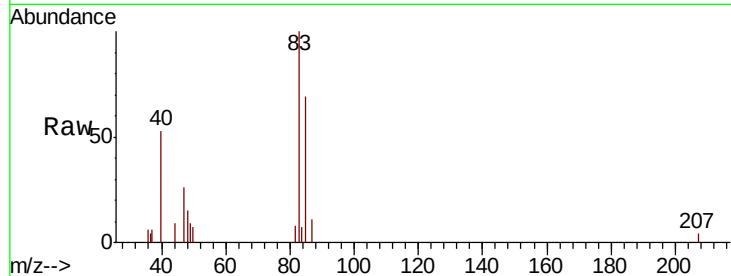




#30
Chloroform
Concen: 1.588 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064620.D
Acq: 27 Dec 2019 02:32

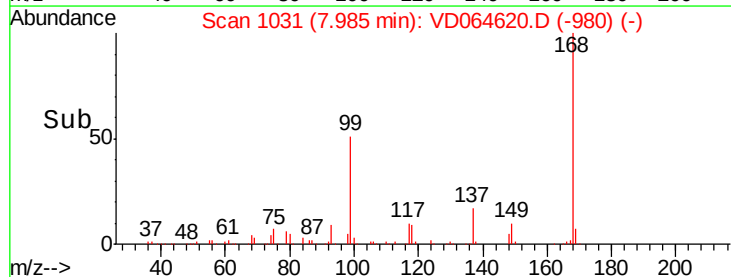
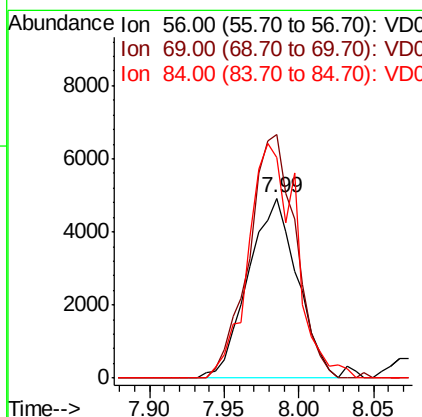
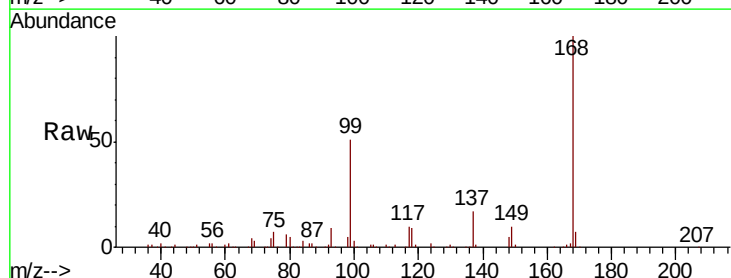
Instrument :
MSVOA_D
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TR-05-122619

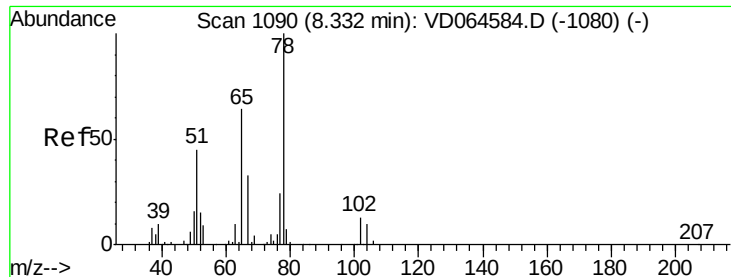
Tot Ion: 83 Resp: 13177
Ion Ratio Lower Upper
83 100
85 68.8 51.1 76.7



#31
Cyclohexane
Concen: 1.424 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064620.D
Acq: 27 Dec 2019 02:32

Tgt Ion: 56 Resp: 11270
Ion Ratio Lower Upper
56 100
69 135.2 24.7 37.1#
84 122.8 69.4 104.2#

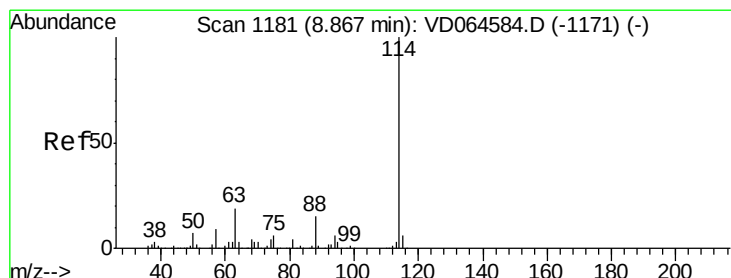
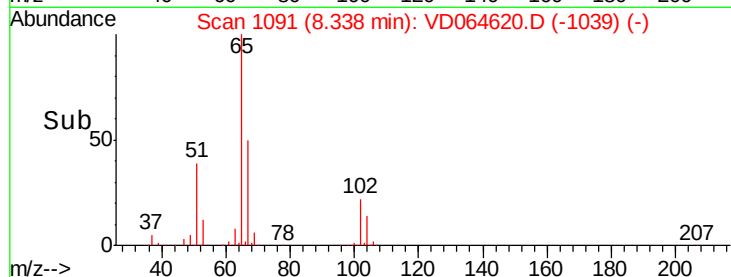
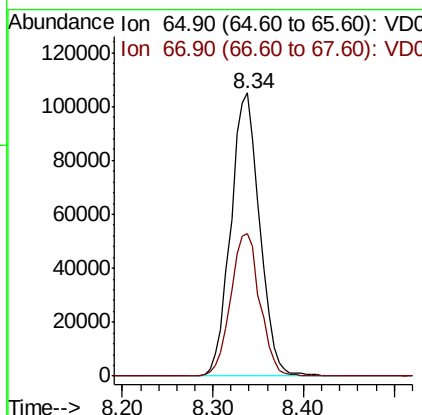
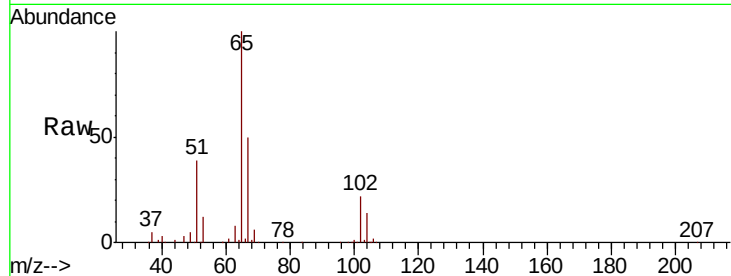




#33
 1,2-Dichloroethane-d4
 Concen: 55.005 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064620.D
 Acq: 27 Dec 2019 02:32

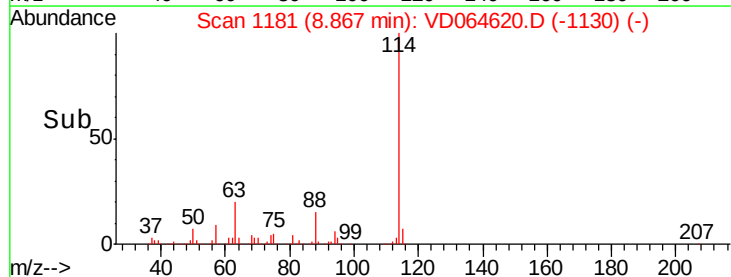
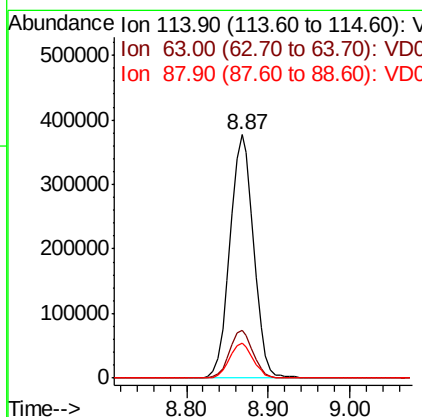
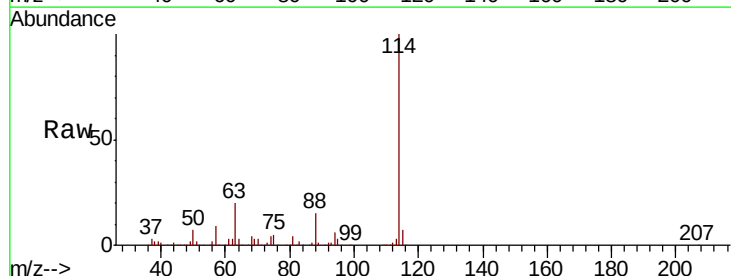
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-122619

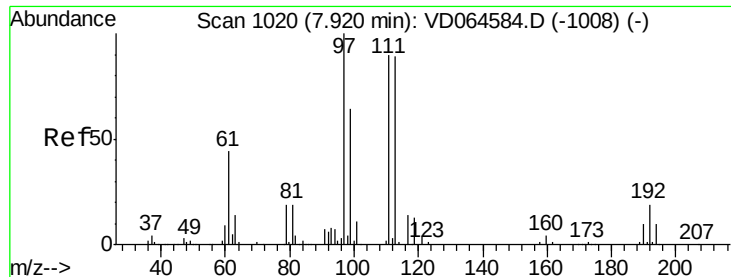
Tot Ion: 65 Resp: 233495
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064620.D
 Acq: 27 Dec 2019 02:32

Tgt Ion: 114 Resp: 759237
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.0
 88 14.6 0.0 29.2

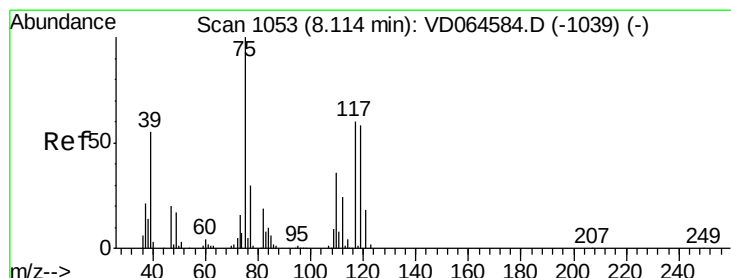
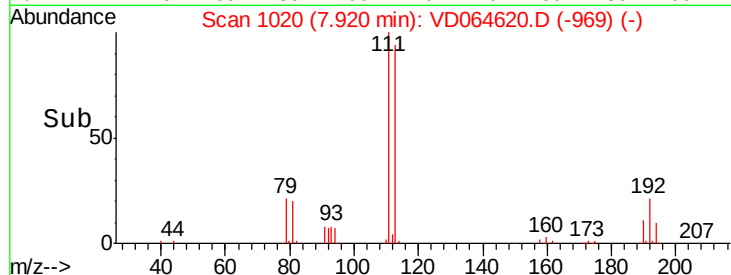
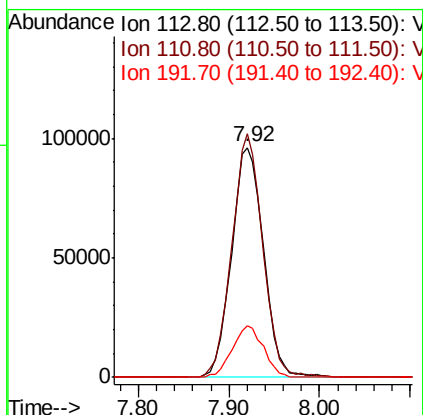
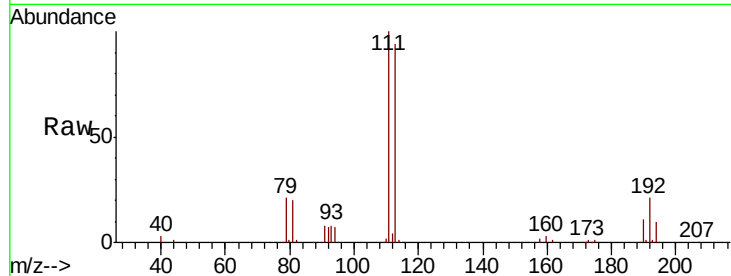




#35
 Dibromofluoromethane
 Concen: 50.580 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064620.D
 Acq: 27 Dec 2019 02:32

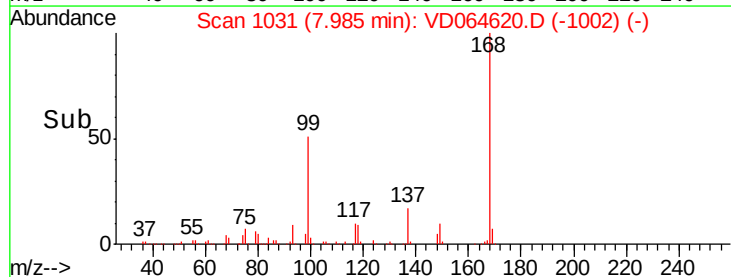
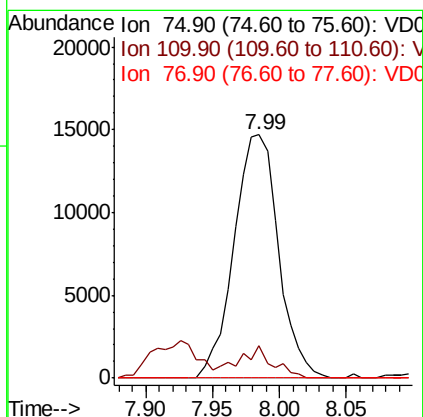
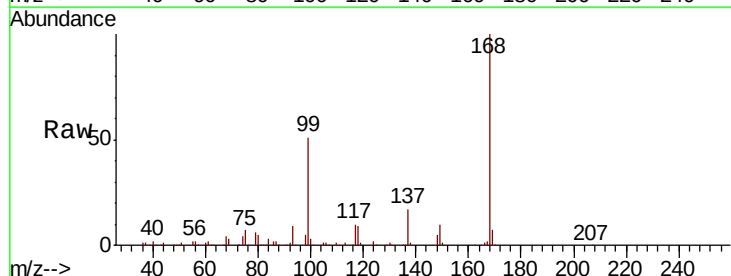
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-122619

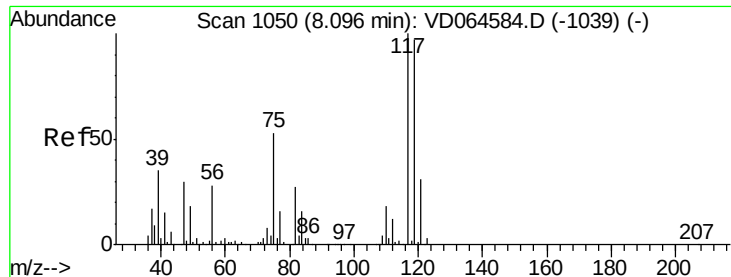
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.6	121.0
192	21.8	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 4.644 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064620.D
 Acq: 27 Dec 2019 02:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.1#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 6.059 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064620.D

Acq: 27 Dec 2019 02:32

Instrument :

MSVOA_D

ClientSampleId :

TR-05-122619

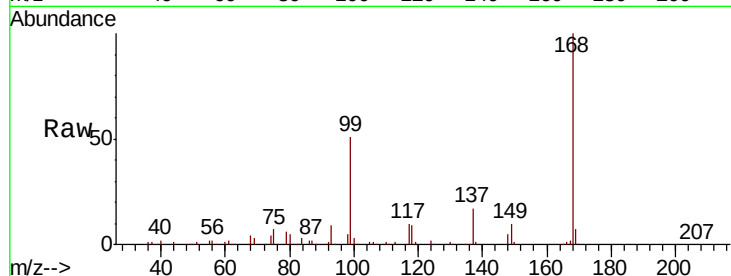
Tot Ion:117 Resp: 47215

Ion Ratio Lower Upper

117 100

119 6.2 77.3 115.9#

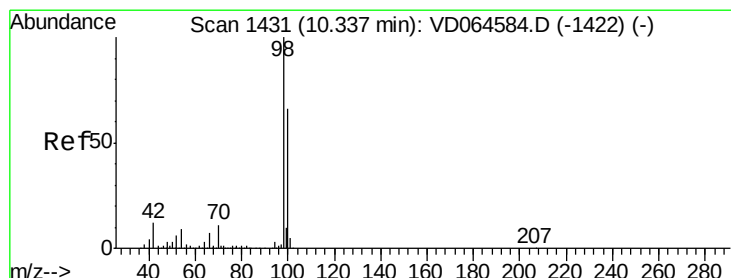
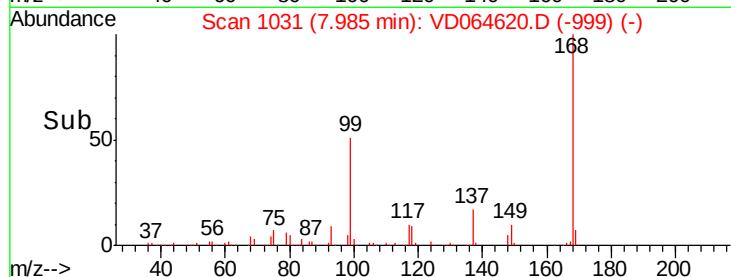
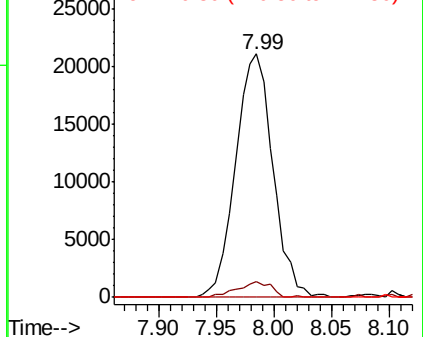
121 0.0 25.0 37.6#



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: 50.243 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064620.D

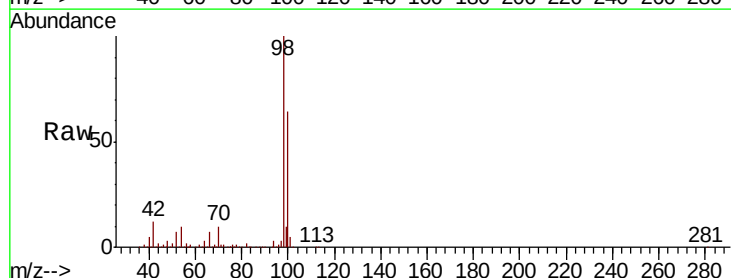
Acq: 27 Dec 2019 02:32

Tgt Ion: 98 Resp: 896322

Ion Ratio Lower Upper

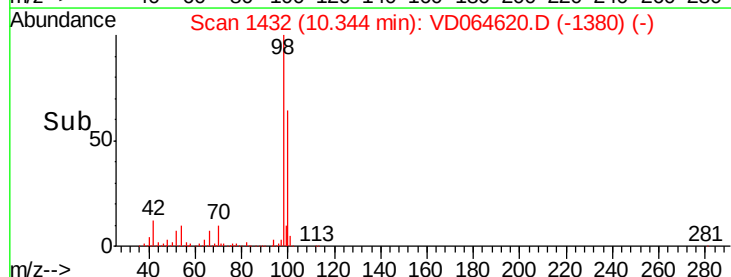
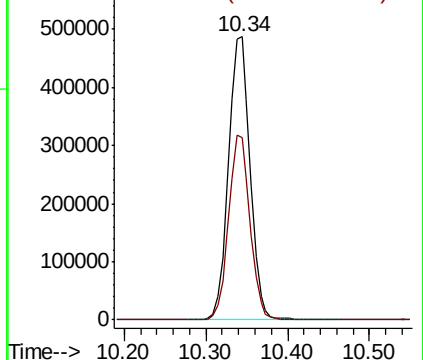
98 100

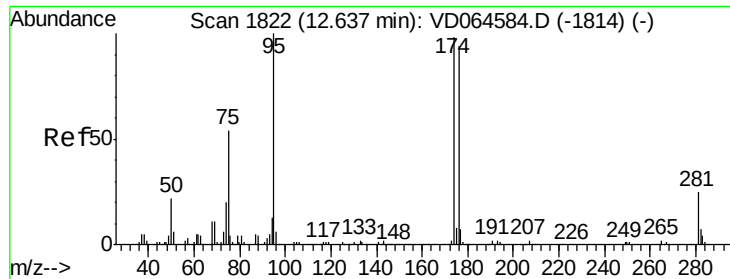
100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

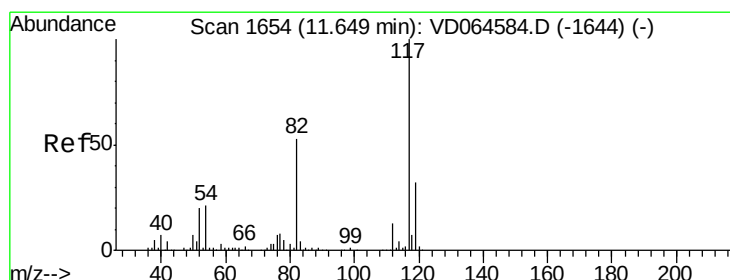
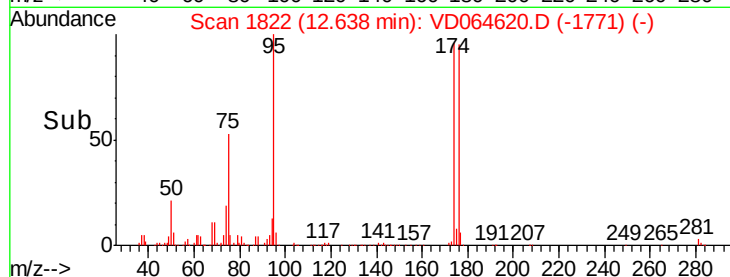
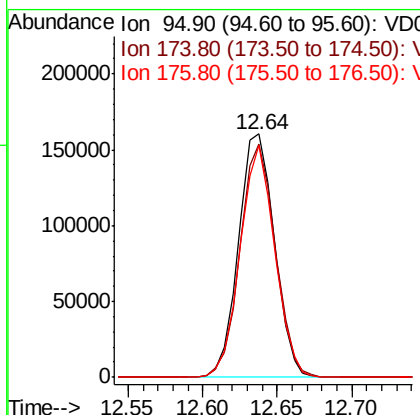
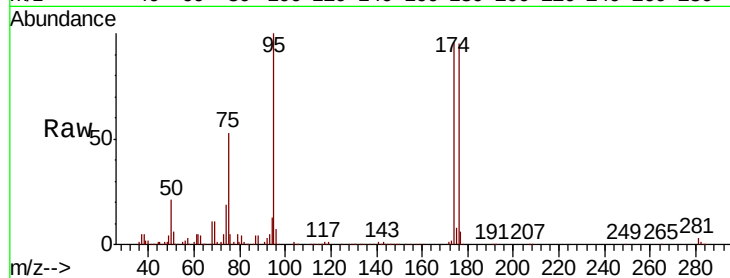




#62
4-Bromofluorobenzene
Concen: 47.305 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064620.D
Acq: 27 Dec 2019 02:32

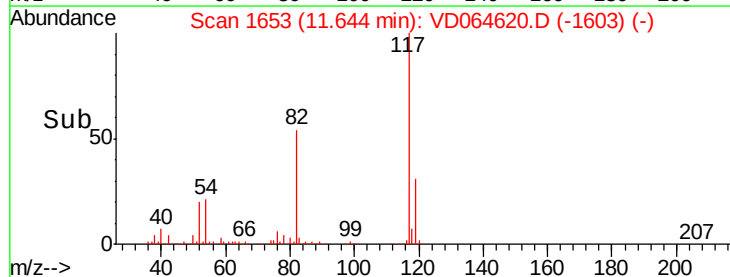
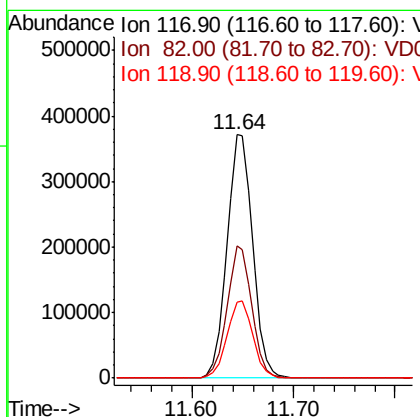
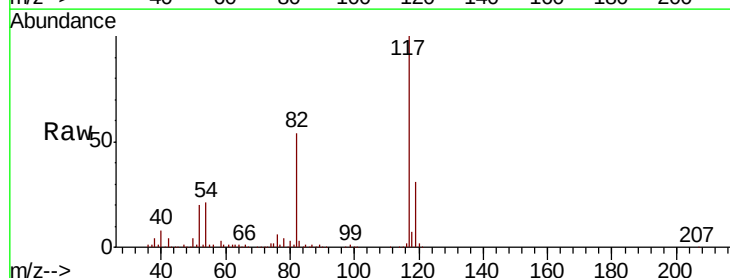
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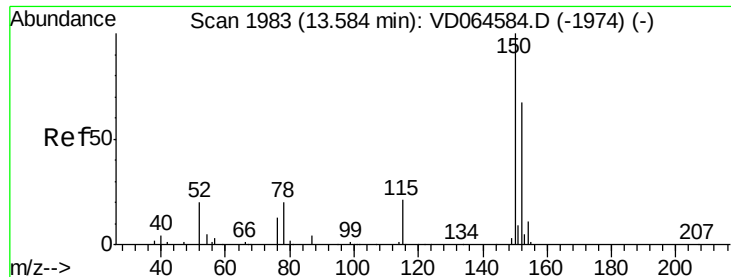
Tot Ion: 95 Resp: 266855
Ion Ratio Lower Upper
95 100
174 94.2 0.0 193.2
176 91.8 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064620.D
Acq: 27 Dec 2019 02:32

Tgt Ion: 117 Resp: 652264
Ion Ratio Lower Upper
117 100
82 54.1 42.2 63.4
119 31.4 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064620.D

Acq: 27 Dec 2019 02:32

Instrument :

MSVOA_D

ClientSampleId :

TR-05-122619

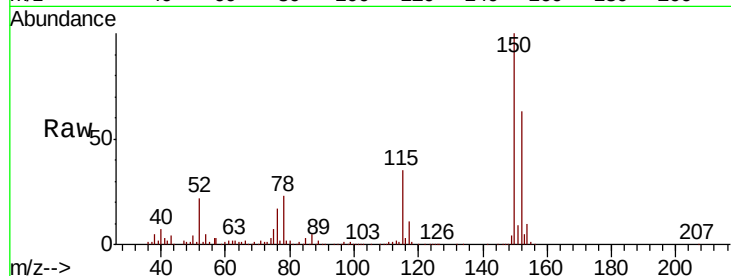
Tot Ion:152 Resp: 281291

Ion Ratio Lower Upper

152 100

115 55.1 27.8 83.4

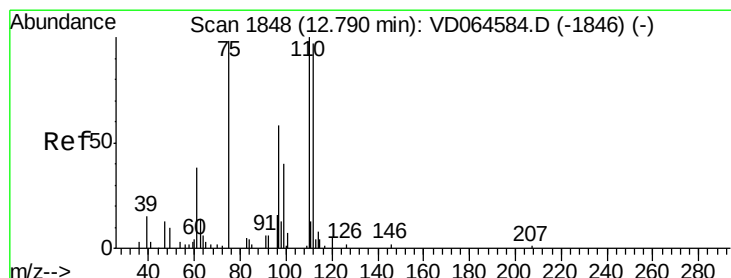
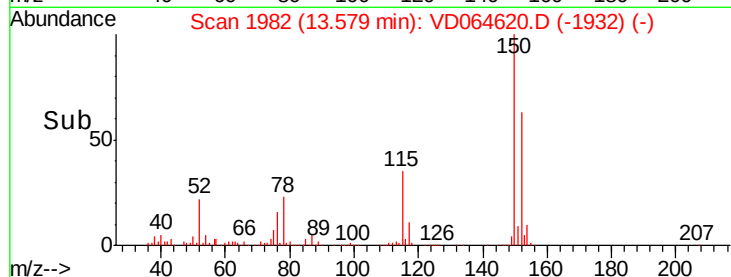
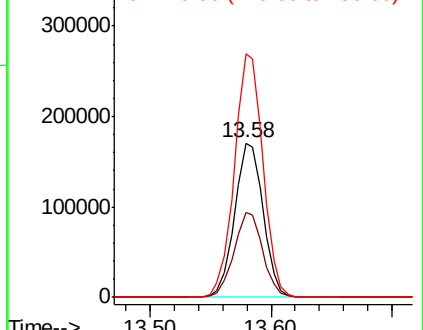
150 157.9 0.0 351.4



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: 63.362 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064620.D

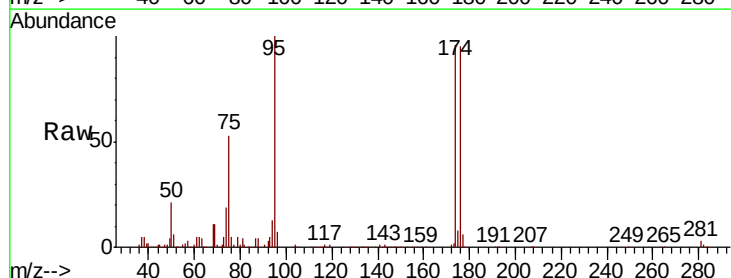
Acq: 27 Dec 2019 02:32

Tgt Ion: 75 Resp: 140742

Ion Ratio Lower Upper

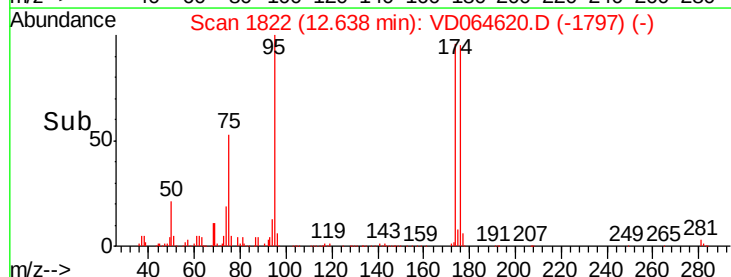
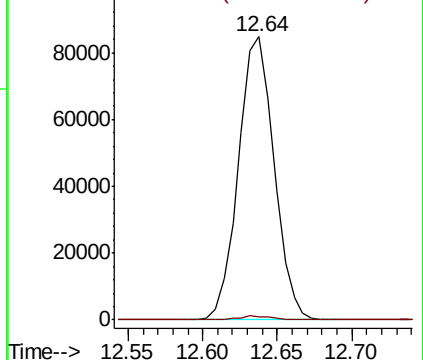
75 100

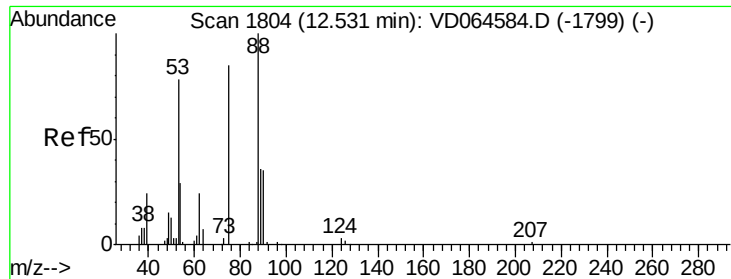
77 1.4 0.0 0.0#



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: 132.519 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064620.D

Acq: 27 Dec 2019 02:32

Instrument :

MSVOA_D

ClientSampleId :

TR-05-122619

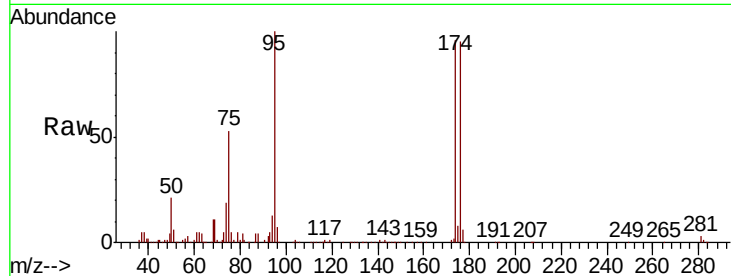
Tot Ion: 75 Resp: 140742

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

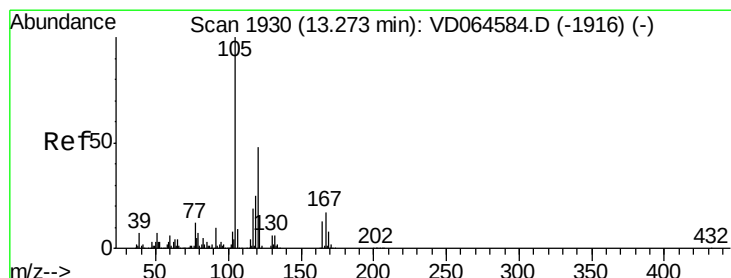
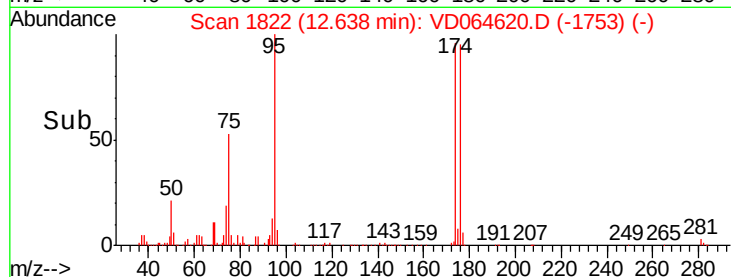
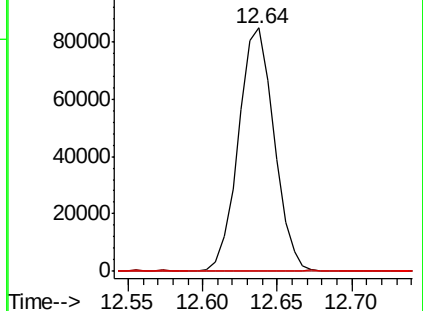
89 0.1 38.3 57.5#



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



#84

1,2,4-Trimethylbenzene

Concen: 2.876 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD064620.D

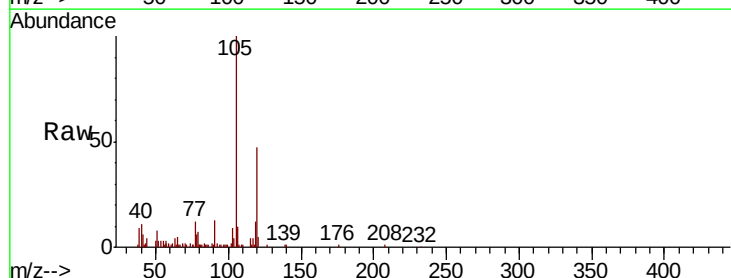
Acq: 27 Dec 2019 02:32

Tgt Ion:105 Resp: 47303

Ion Ratio Lower Upper

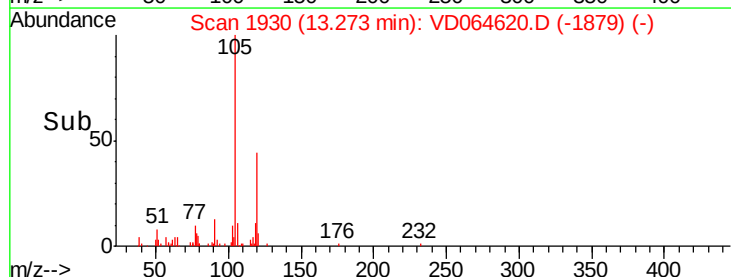
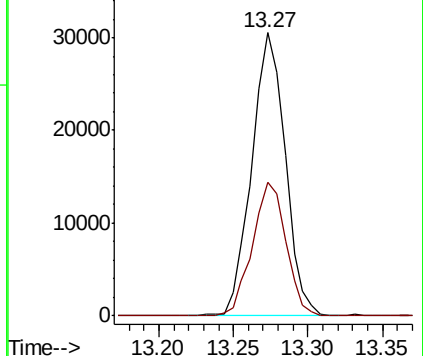
105 100

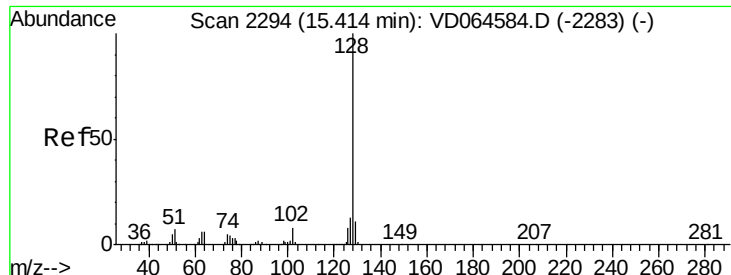
120 47.1 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

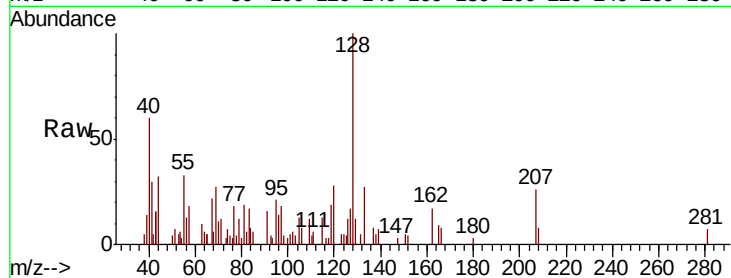




#95
Naphthalene
Concen: 1.090 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064620.D
Acq: 27 Dec 2019 02:32

Instrument :
MSVOA_D
ClientSampleId :
TR-05-122619

Tot Ion:128 Resp: 10199
Ion Ratio Lower Upper
128 100
127 14.2 10.3 15.5
129 13.2 8.5 12.7#



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

