

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064296.D
 Acq On : 19 Nov 2019 18:17
 Operator : VA/SY
 Sample : K5927-05
 Misc : 6.86G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 20 03:28:02 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	909898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1291974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1145147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	557212	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	386729	51.68	ug/l	0.00
Spiked Amount						
			Recovery	=	103.36%	
35) Dibromofluoromethane	7.92	113	397992	53.67	ug/l	0.00
Spiked Amount						
			Recovery	=	107.34%	
50) Toluene-d8	10.34	98	1518955	54.29	ug/l	0.00
Spiked Amount						
			Recovery	=	108.58%	
62) 4-Bromofluorobenzene	12.64	95	500068	51.61	ug/l	0.00
Spiked Amount						
			Recovery	=	103.22%	

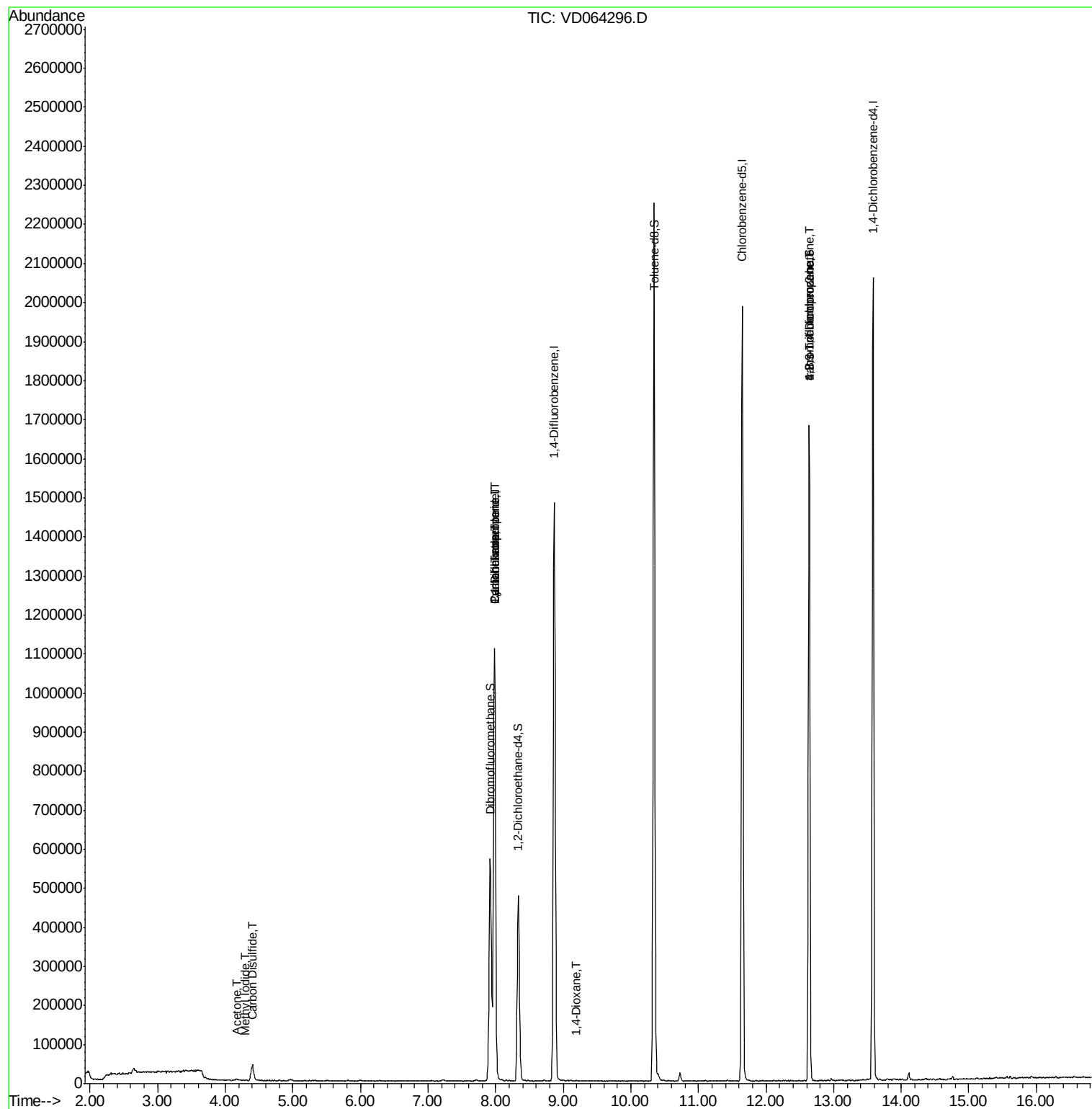
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	66	2.038	ug/l #	41
16) Acetone	4.16	43	5347	3.016	ug/l	97
17) Carbon Disulfide	4.40	76	82151	3.450	ug/l	97
31) Cyclohexane	7.98	56	17850	1.215	ug/l #	37
36) 1,1-Dichloropropene	7.98	75	60611	5.083	ug/l #	49
38) Carbon Tetrachloride	7.98	117	82152	6.439	ug/l #	15
49) 1,4-Dioxane	9.20	88	55	1.078	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	258176	57.524	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	258176	114.264	ug/l #	10

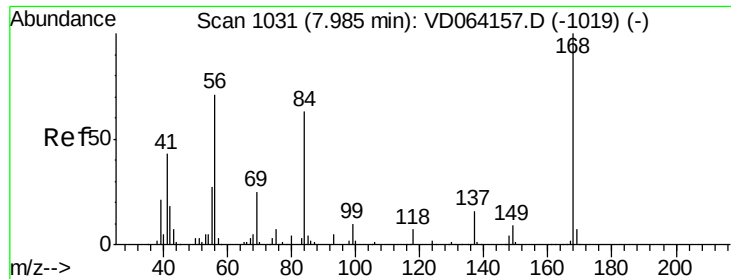
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1030

Delta R.T. -0.01 min

Lab File: VD064296.D

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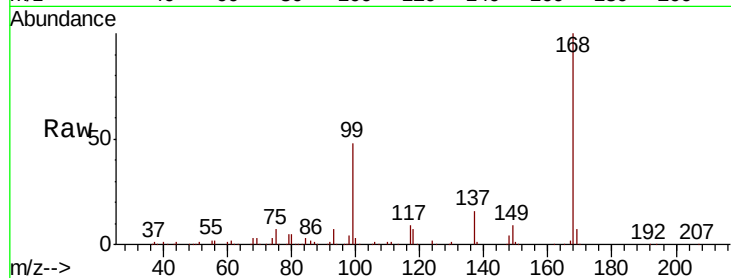
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 909898

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): VD

7.98

400000

300000

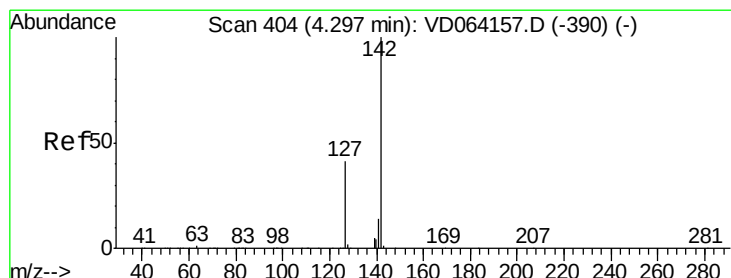
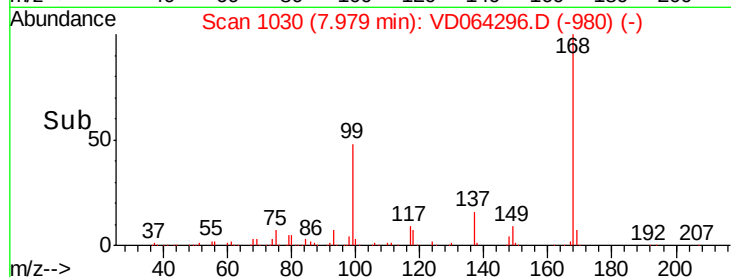
200000

100000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 2.038 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD064296.D

Acq: 19 Nov 2019 18:17

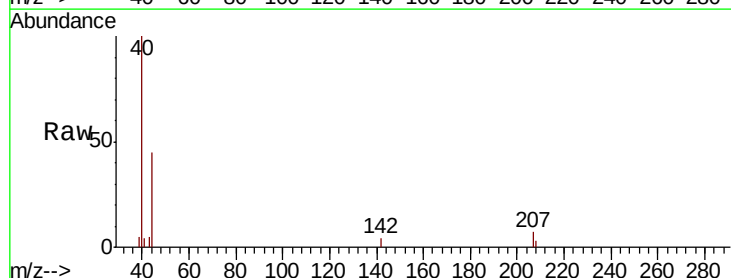
Tgt Ion:142 Resp: 66

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

250

200

150

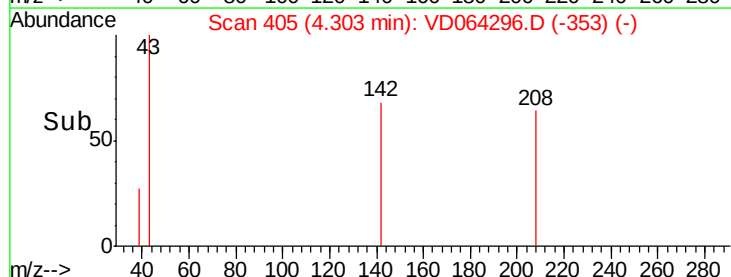
100

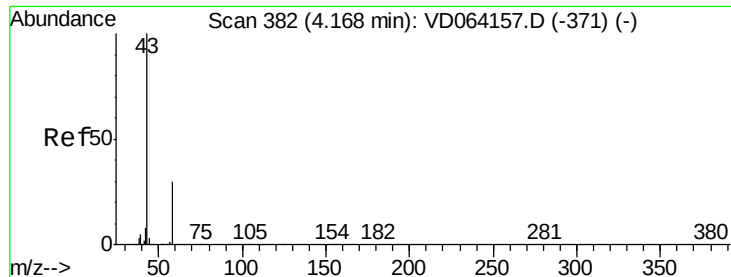
50

0

Time-->

4.29 4.30 4.31 4.32

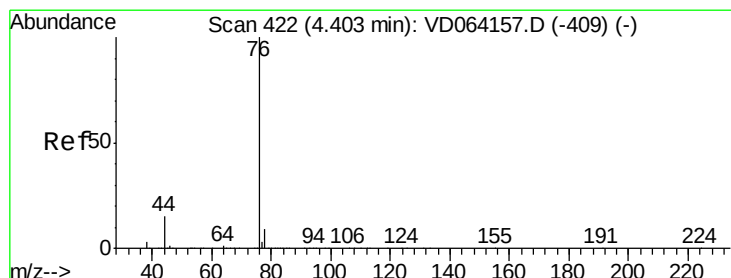
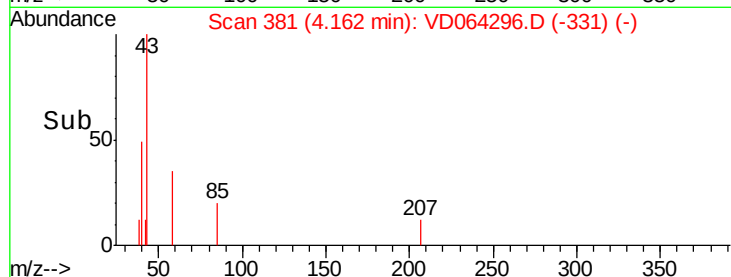
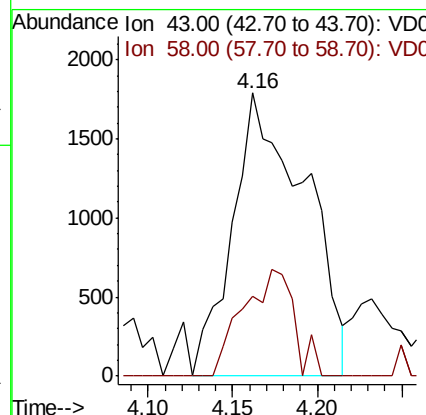
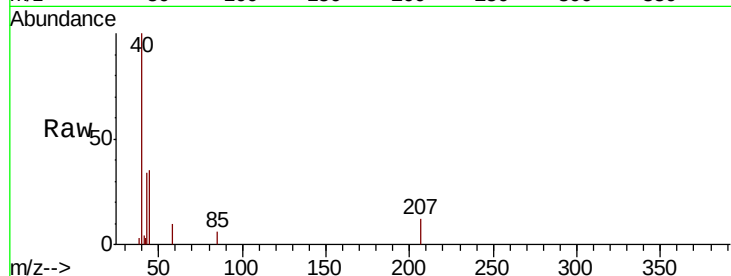




#16
Acetone
Concen: 3.016 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD064296.D
Acq: 19 Nov 2019 18:17

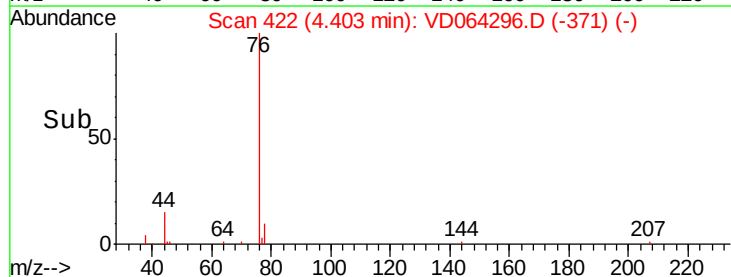
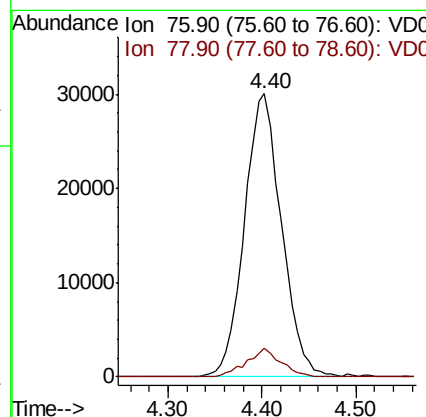
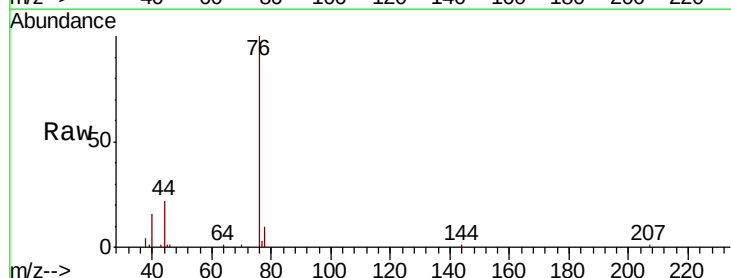
Instrument :
MSVOA_D
ClientSampleId :

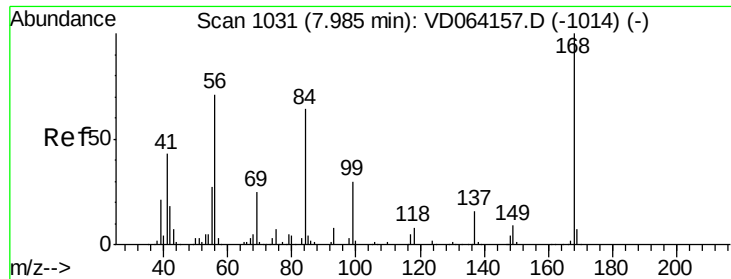
Tot Ion: 43 Resp: 5347
Ion Ratio Lower Upper
43 100
58 28.3 24.1 36.1



#17
Carbon Disulfide
Concen: 3.450 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064296.D
Acq: 19 Nov 2019 18:17

Tgt Ion: 76 Resp: 82151
Ion Ratio Lower Upper
76 100
78 10.2 7.2 10.8





#31

Cyclohexane

Concen: 1.215 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064296.D

Acq: 19 Nov 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

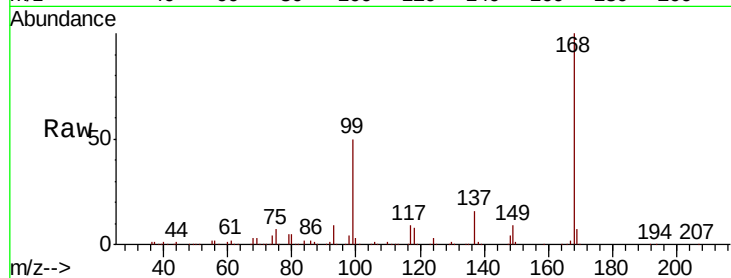
Tot Ion: 56 Resp: 17850

Ion Ratio Lower Upper

56 100

69 146.8 28.2 42.4#

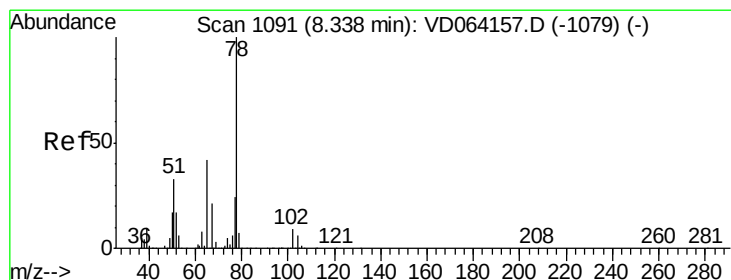
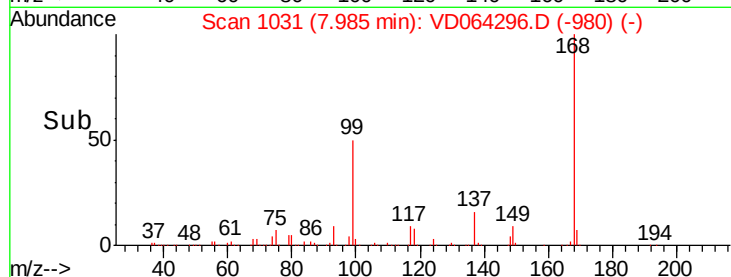
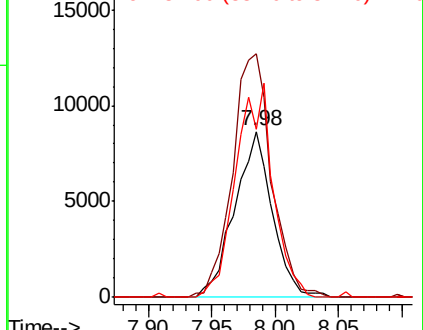
84 101.3 71.8 107.6



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: 51.678 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064296.D

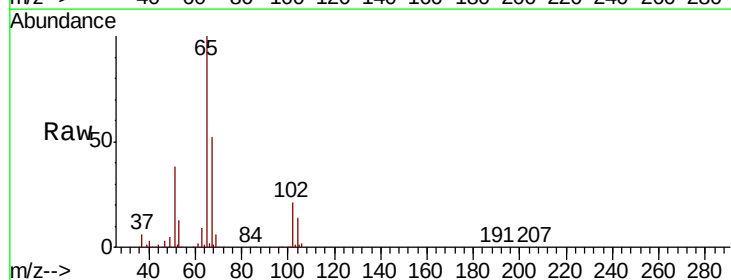
Acq: 19 Nov 2019 18:17

Tgt Ion: 65 Resp: 386729

Ion Ratio Lower Upper

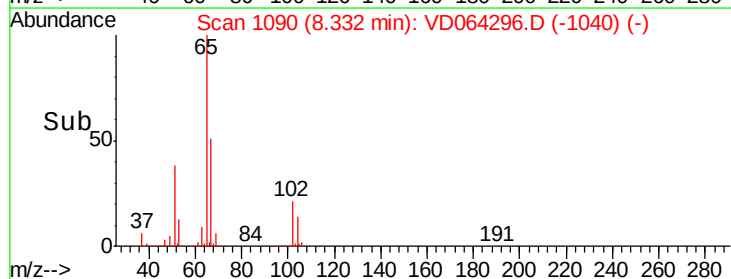
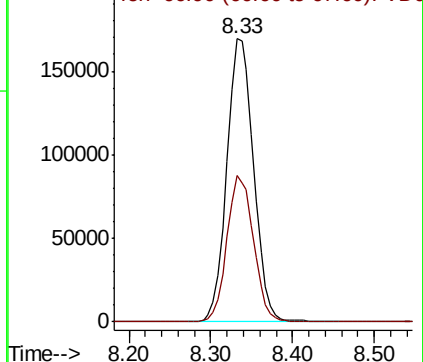
65 100

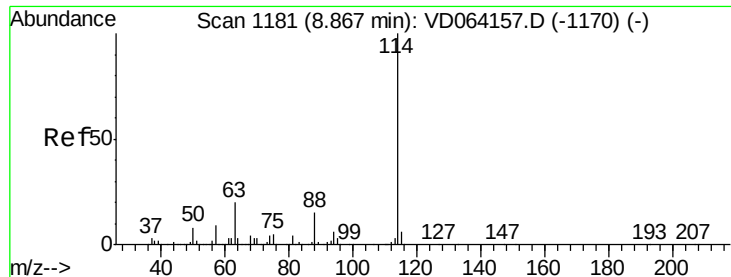
67 51.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

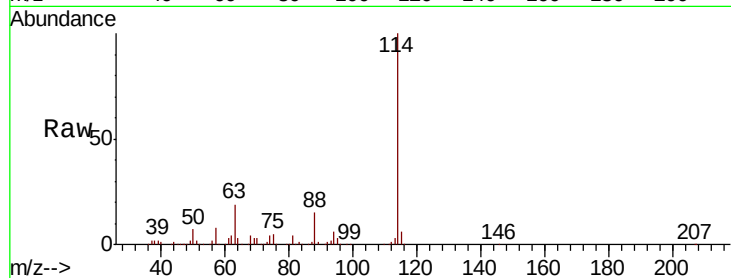




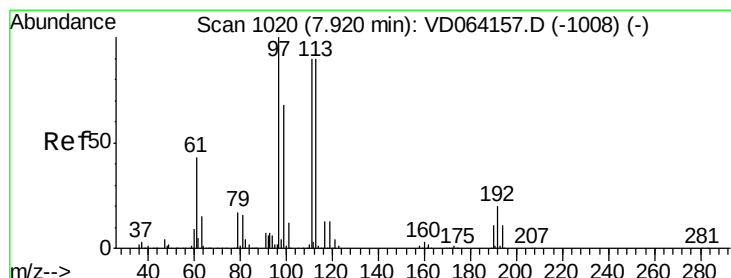
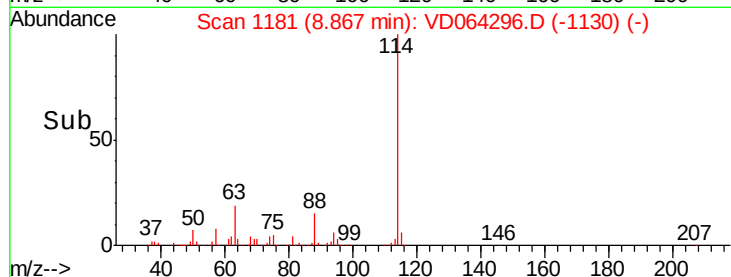
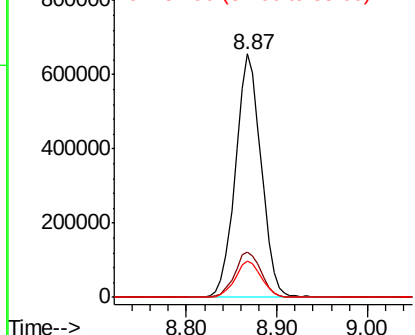
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD064296.D
Acq: 19 Nov 2019 18:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 1291974
Ion Ratio Lower Upper
114 100
63 18.7 0.0 40.0
88 14.9 0.0 30.2

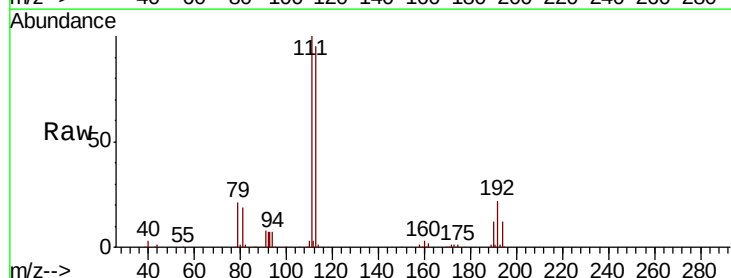


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

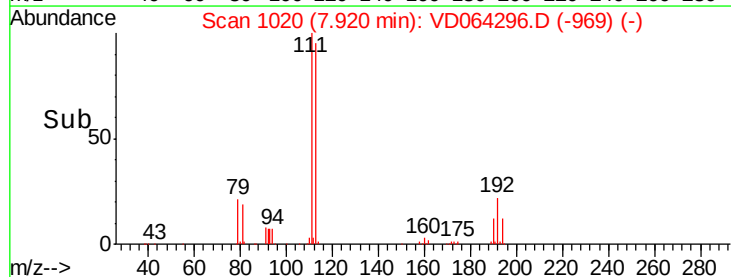
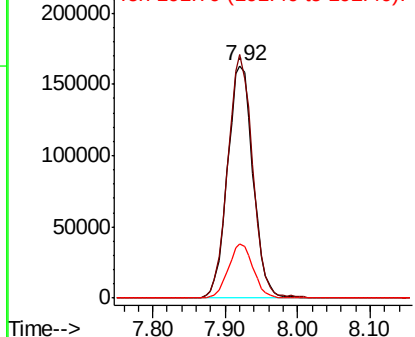


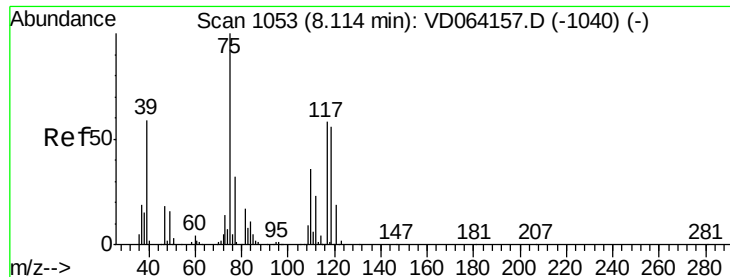
#35
Dibromofluoromethane
Concen: 53.666 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064296.D
Acq: 19 Nov 2019 18:17

Tgt Ion:113 Resp: 397992
Ion Ratio Lower Upper
113 100
111 102.1 81.5 122.3
192 22.9 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: 5.083 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064296.D

Acq: 19 Nov 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

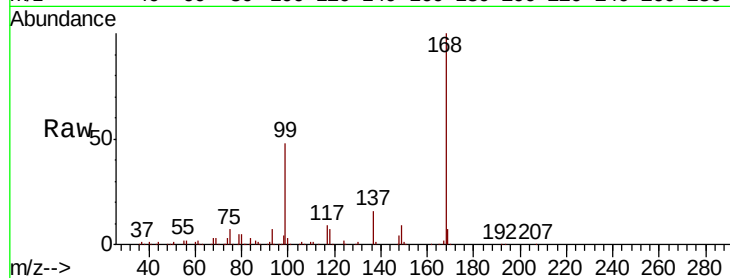
Tot Ion: 75 Resp: 60611

Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.9#

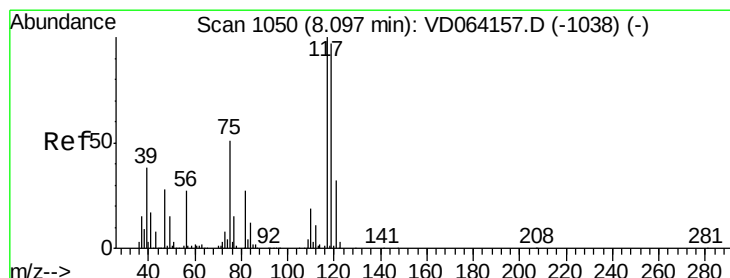
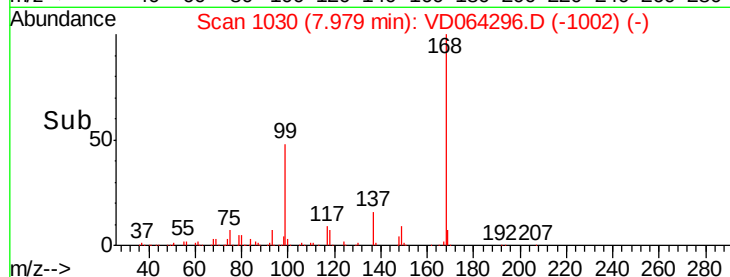
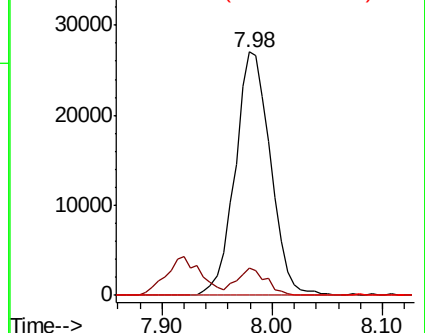
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VD064157.D (-1040) (-)

Ion 109.90 (109.60 to 110.60): VD064157.D (-1040) (-)

Ion 76.90 (76.60 to 77.60): VD064157.D (-1040) (-)



#38

Carbon Tetrachloride

Concen: 6.439 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064296.D

Acq: 19 Nov 2019 18:17

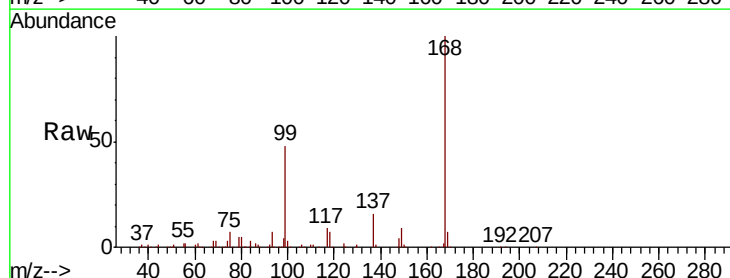
Tgt Ion: 117 Resp: 82152

Ion Ratio Lower Upper

117 100

119 4.4 77.2 115.8#

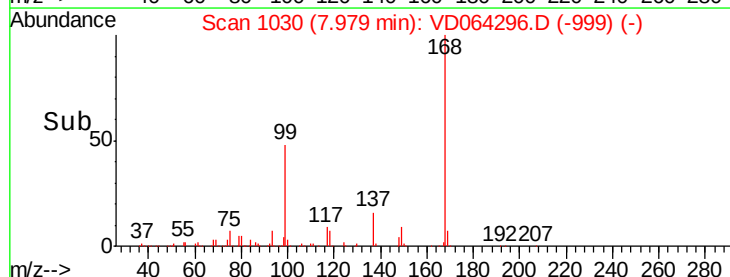
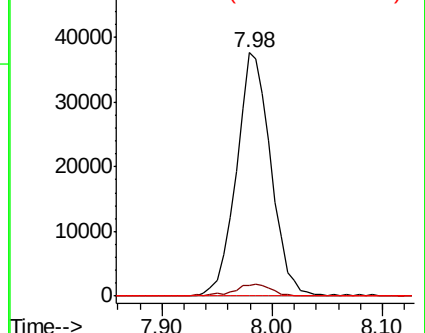
121 0.0 25.5 38.3#

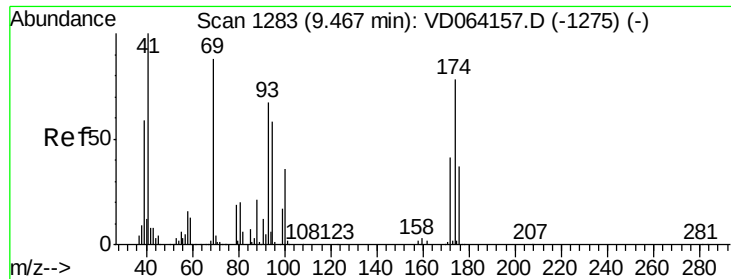


Abundance Ion 116.80 (116.50 to 117.50): VD064157.D (-1038) (-)

Ion 118.80 (118.50 to 119.50): VD064157.D (-1038) (-)

Ion 120.80 (120.50 to 121.50): VD064157.D (-1038) (-)

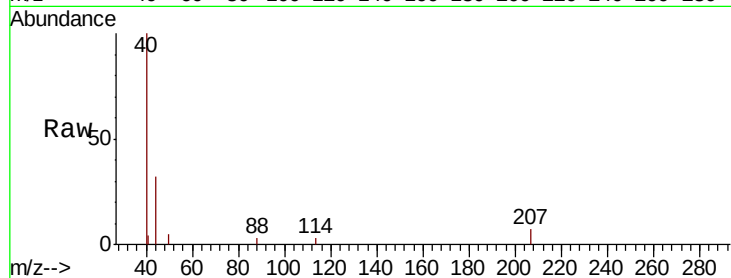




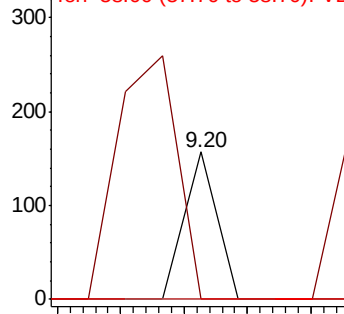
#49
1,4-Dioxane
Concen: 1.078 ug/l
RT: 9.20 min Scan# 1238
Delta R.T. -0.26 min
Lab File: VD064296.D
Acq: 19 Nov 2019 18:17

Instrument :
MSVOA_D
ClientSampleId :

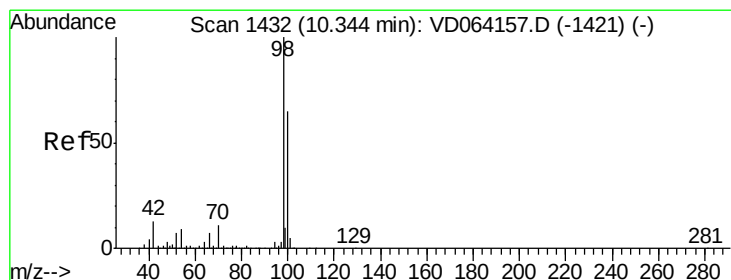
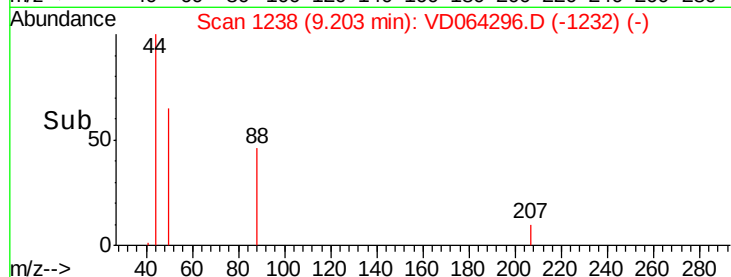
Tot Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 307.3 29.8 44.8#
58 0.0 58.1 87.1#



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

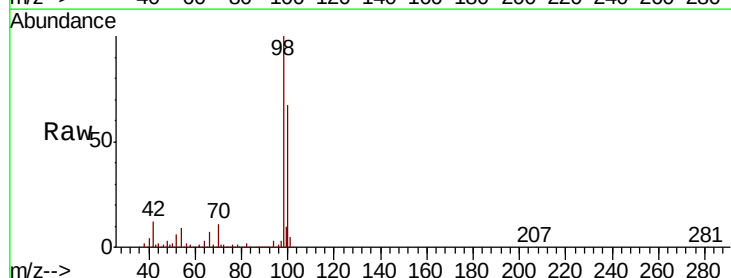


Time--> 9.18 9.19 9.20 9.21 9.22

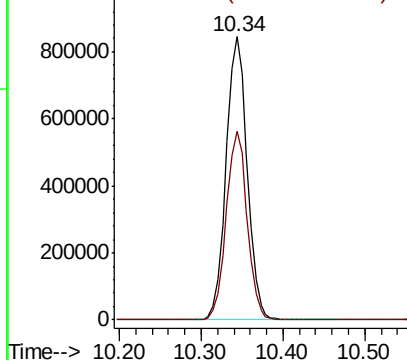


#50
Toluene-d8
Concen: 54.293 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064296.D
Acq: 19 Nov 2019 18:17

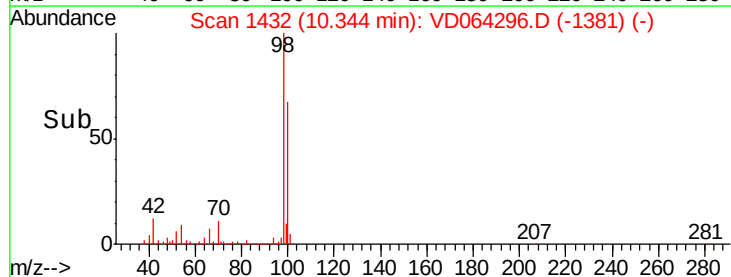
Tgt Ion: 98 Resp: 1518955
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8

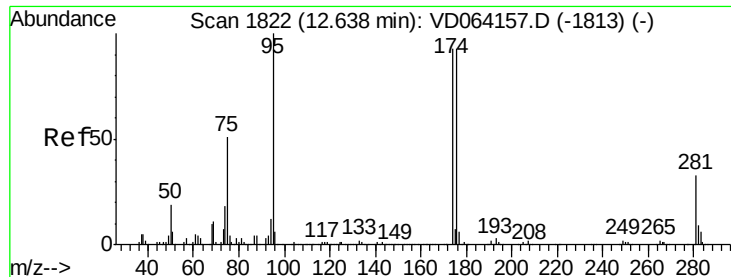


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC



Time--> 10.20 10.30 10.40 10.50

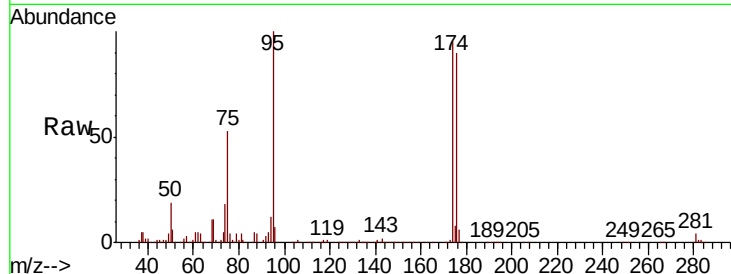




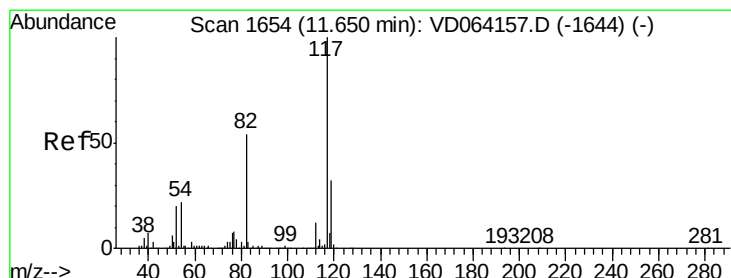
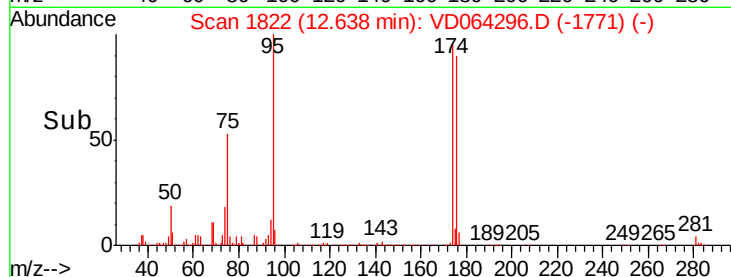
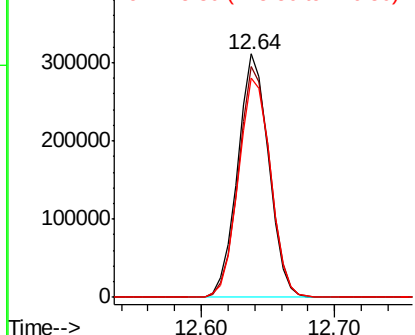
#62
4-Bromofluorobenzene
Concen: 51.614 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064296.D
Acq: 19 Nov 2019 18:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	95	Resp	500068
Ion Ratio	Lower	Upper	
95	100		
174	96.2	0.0	183.6
176	93.2	0.0	180.2

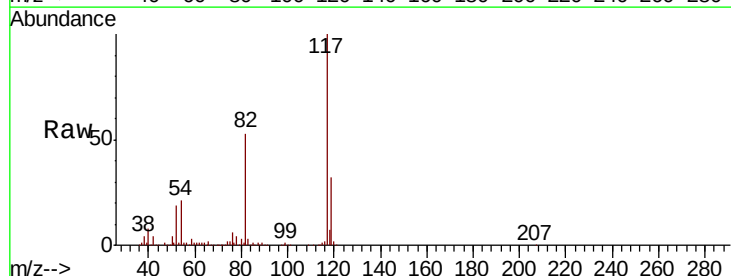


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

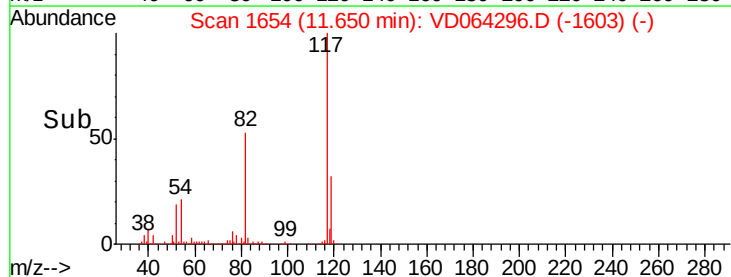
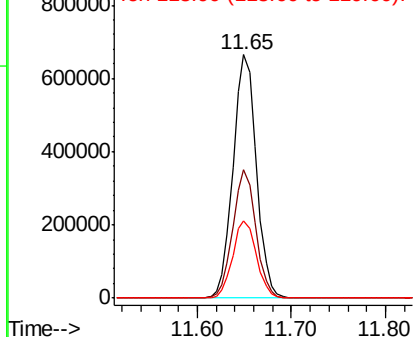


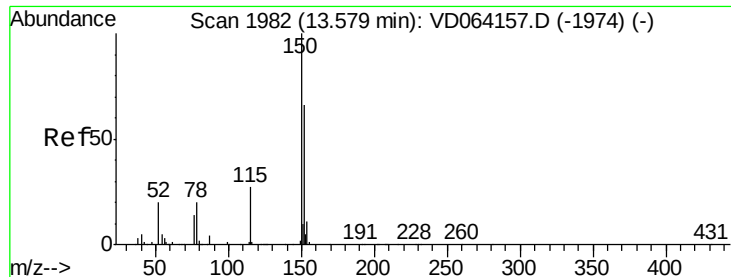
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064296.D
Acq: 19 Nov 2019 18:17

Tgt Ion	117	Resp	1145147
Ion Ratio	Lower	Upper	
117	100		
82	52.9	42.8	64.2
119	31.8	25.6	38.4



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



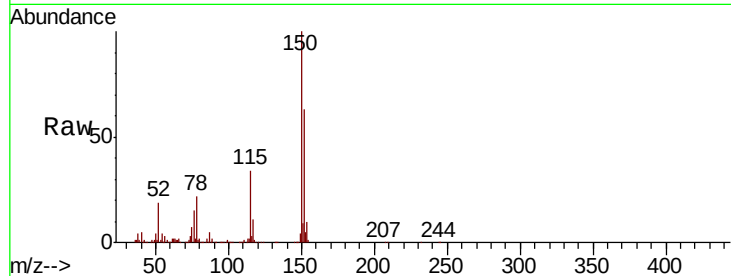


#72

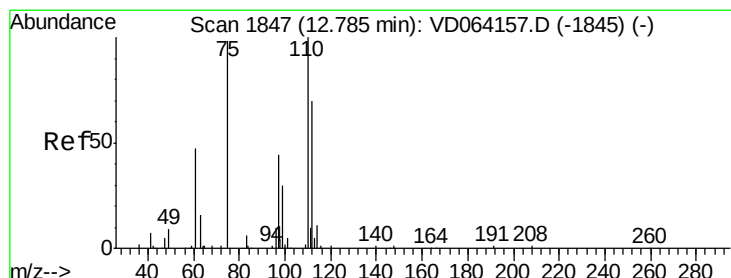
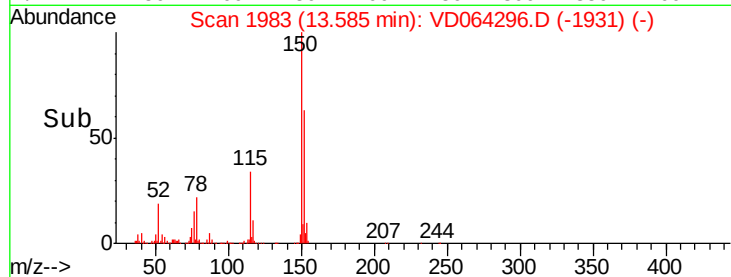
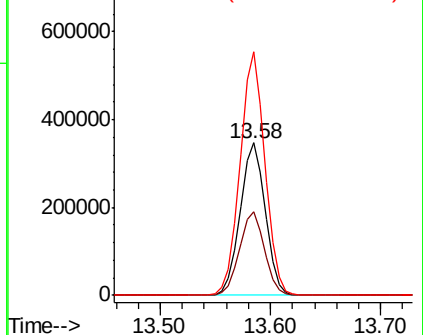
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064296.D
Acq: 19 Nov 2019 18:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.4	82.2
150	157.1	0.0	351.6



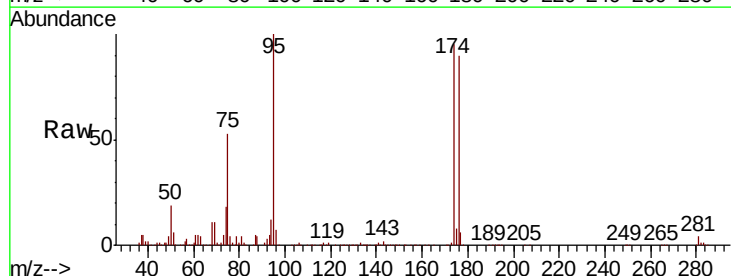
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



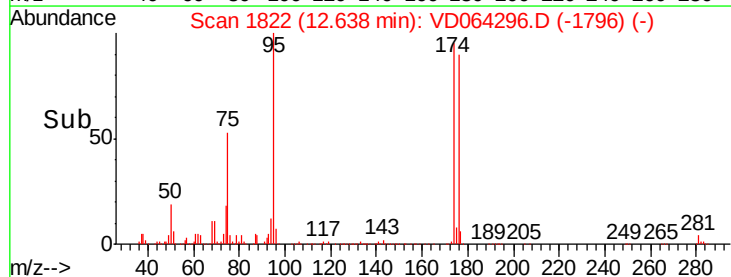
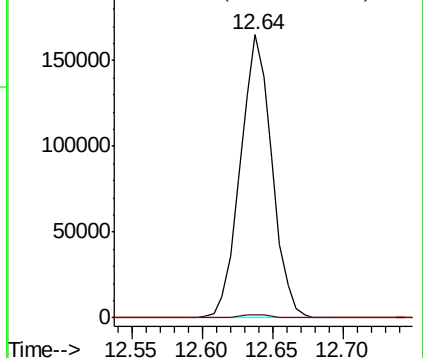
#76

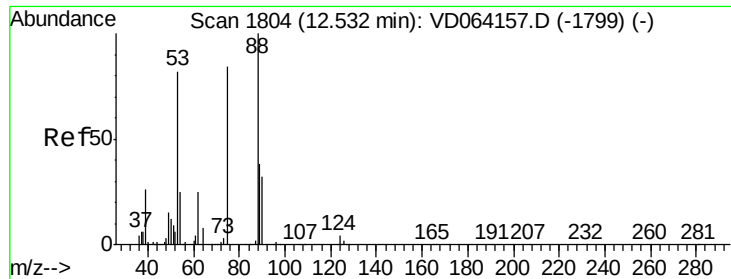
1,2,3-Trichloropropane
Concen: 57.524 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064296.D
Acq: 19 Nov 2019 18:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	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: 114.264 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064296.D

Acq: 19 Nov 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

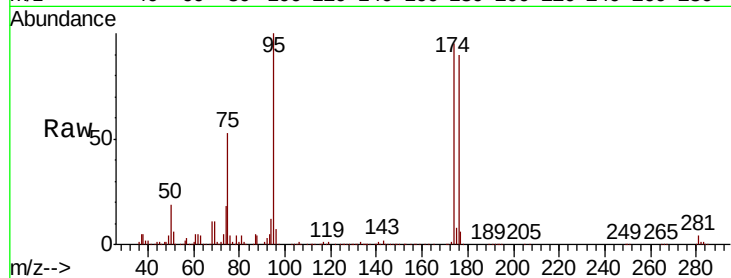
Tot Ion: 75 Resp: 258176

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 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

