

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112619\
 Data File : VD064391.D
 Acq On : 26 Nov 2019 18:38
 Operator : VA/SY
 Sample : K6021-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 27 05:52:37 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	744478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1100648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	960647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	449909	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	290090	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
35) Dibromofluoromethane	7.92	113	324053	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
50) Toluene-d8	10.34	98	1293859	54.29	ug/l	0.00
Spiked Amount			Recovery	=	108.58%	
62) 4-Bromofluorobenzene	12.64	95	398378	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	

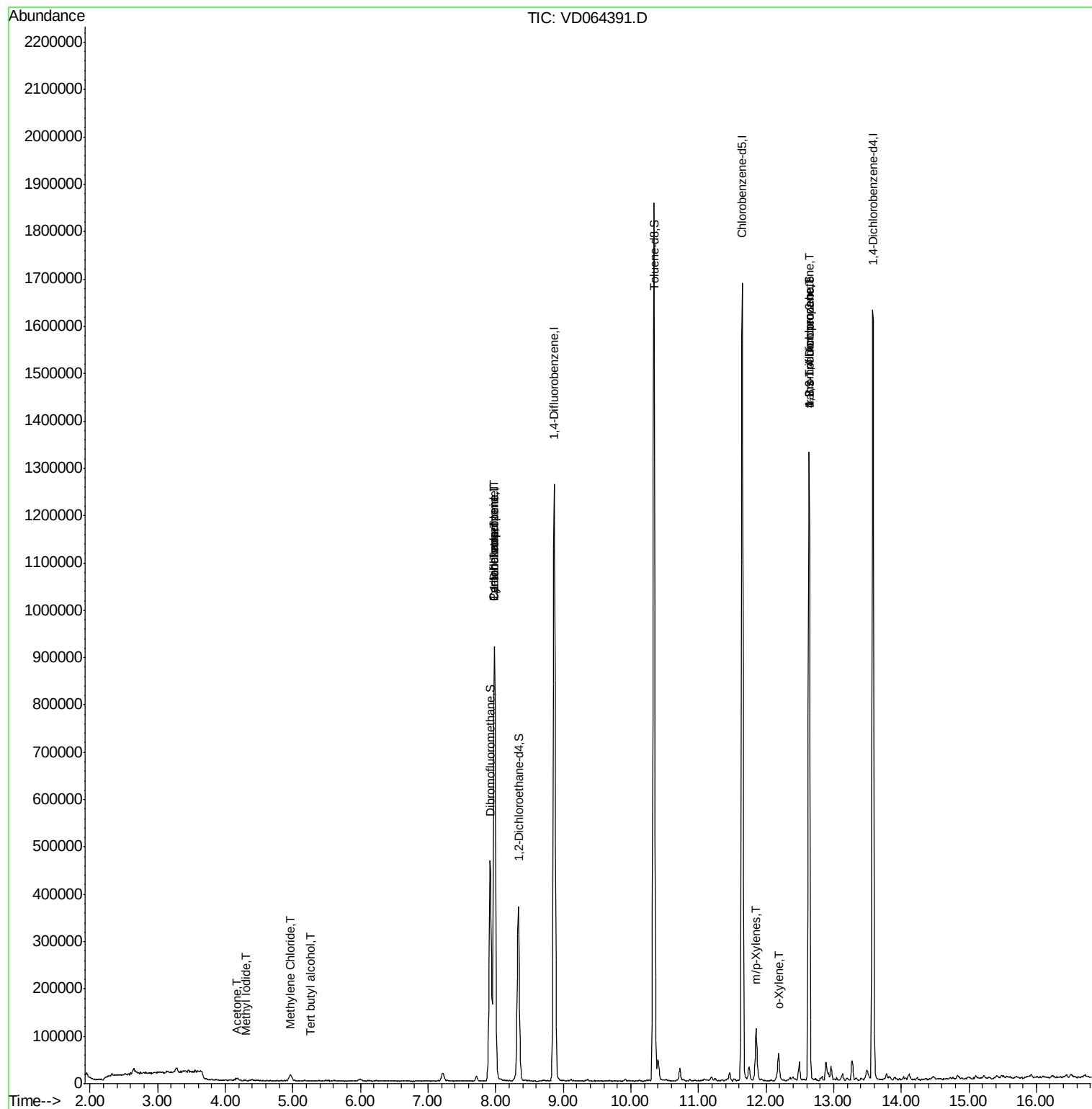
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	58	2.039	ug/l #	41
11) Tert butyl alcohol	5.26	59	455	1.064	ug/l #	69
16) Acetone	4.17	43	8550	5.894	ug/l #	77
20) Methylene Chloride	4.97	84	9439	1.288	ug/l #	80
31) Cyclohexane	7.98	56	14935	1.243	ug/l #	29
36) 1,1-Dichloropropene	7.98	75	50245	4.946	ug/l #	49
38) Carbon Tetrachloride	7.98	117	67991	6.255	ug/l #	14
68) m/p-Xylenes	11.86	106	36077	2.664	ug/l	90
69) o-Xylene	12.18	106	14926	1.188	ug/l	94
76) 1,2,3-Trichloropropane	12.64	75	206987	57.118	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	206987	113.458	ug/l #	10

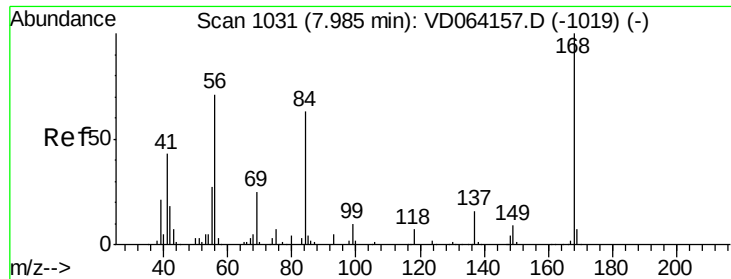
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064391.D

Acq: 26 Nov 2019 18:38

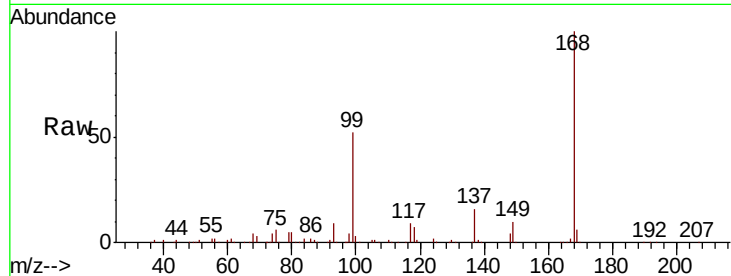
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 744478

Ion Ratio Lower Upper

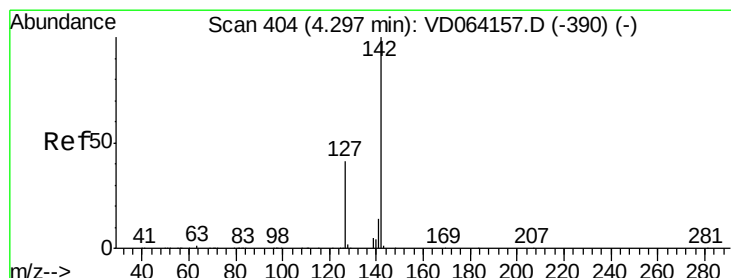
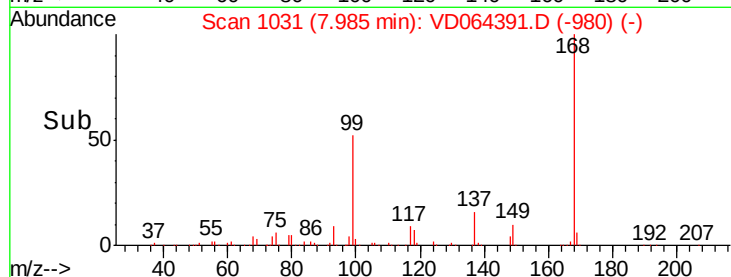
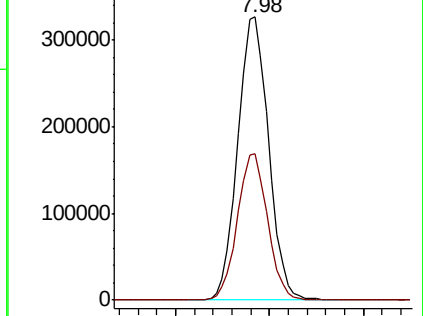
168 100

99 51.7 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VD



#10

Methyl Iodide

Concen: 2.039 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD064391.D

Acq: 26 Nov 2019 18:38

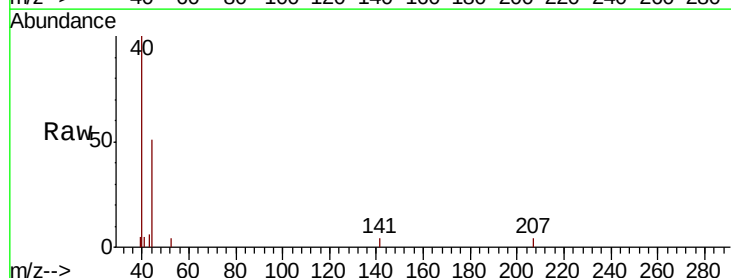
Tgt Ion:142 Resp: 58

Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

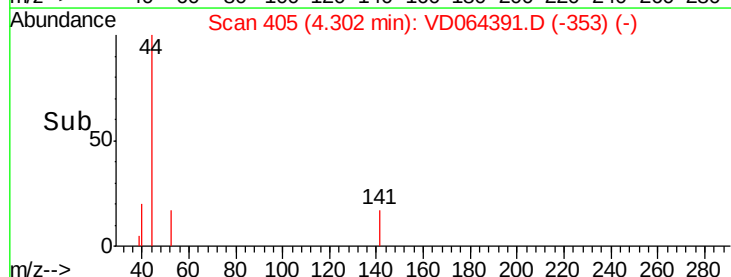
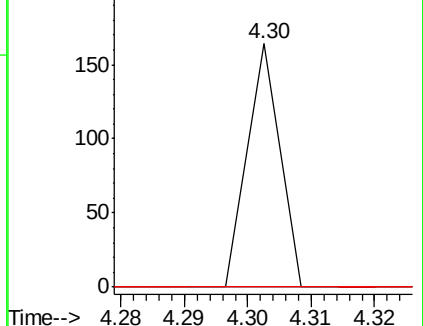
141 0.0 11.2 16.8#

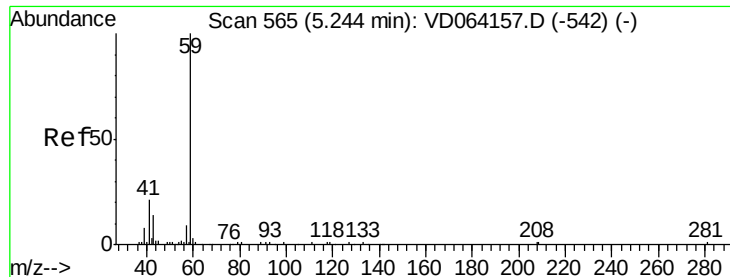


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

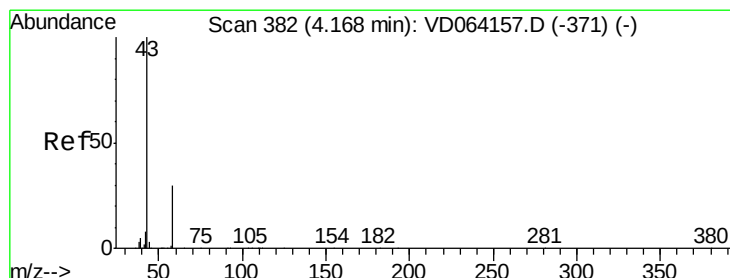
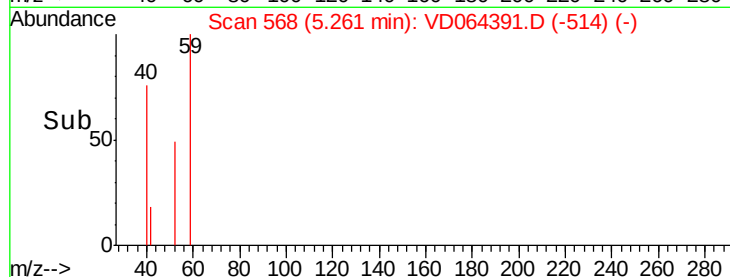
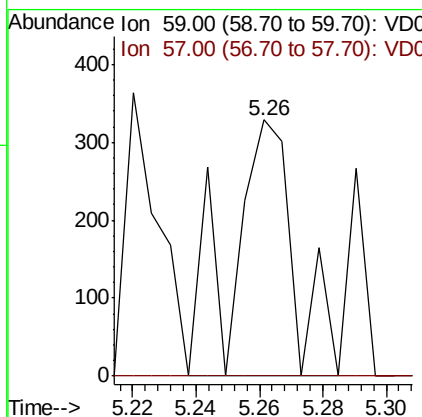
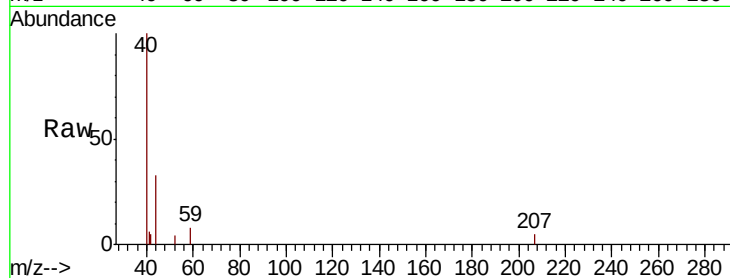




#11
Tert butyl alcohol
Concen: 1.064 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.02 min
Lab File: VD064391.D
Acq: 26 Nov 2019 18:38

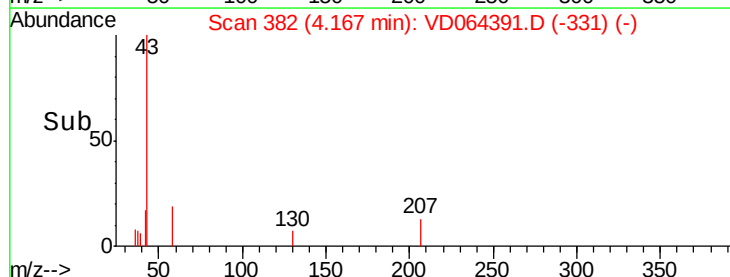
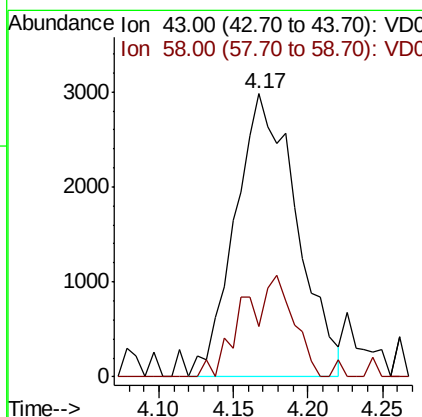
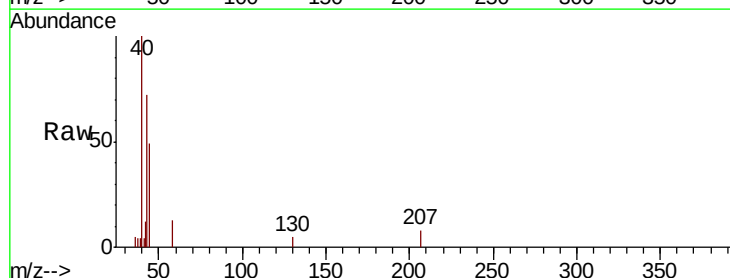
Instrument :
MSVOA_D
ClientSampleId :

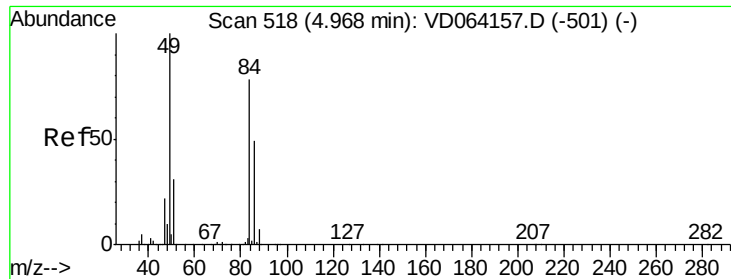
Tot Ion: 59 Resp: 455
Ion Ratio Lower Upper
59 100
57 0.0 9.4 14.2#



#16
Acetone
Concen: 5.894 ug/l
RT: 4.17 min Scan# 382
Delta R.T. -0.00 min
Lab File: VD064391.D
Acq: 26 Nov 2019 18:38

Tgt Ion: 43 Resp: 8550
Ion Ratio Lower Upper
43 100
58 17.9 24.1 36.1#

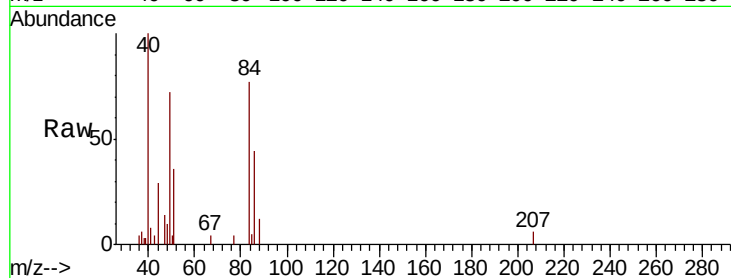




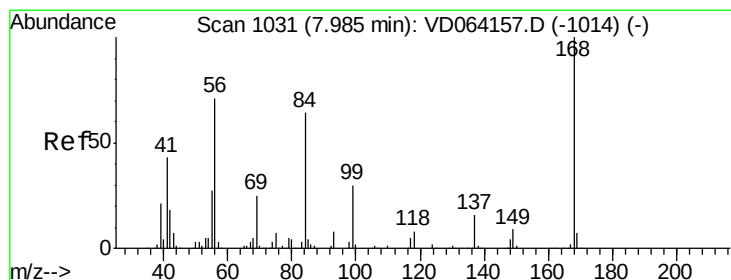
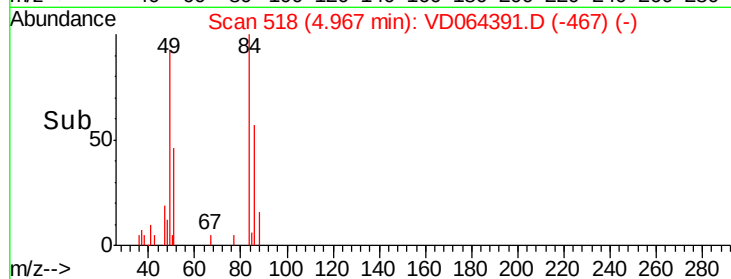
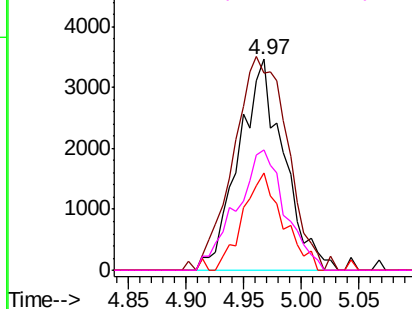
#20
Methvlene Chloride
Concen: 1.288 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064391.D
Acq: 26 Nov 2019 18:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	84	Resp:	9439
Ion	Ratio	Lower	Upper
84	100		
49	93.2	102.1	153.1#
51	46.4	32.2	48.2
86	56.7	49.9	74.9

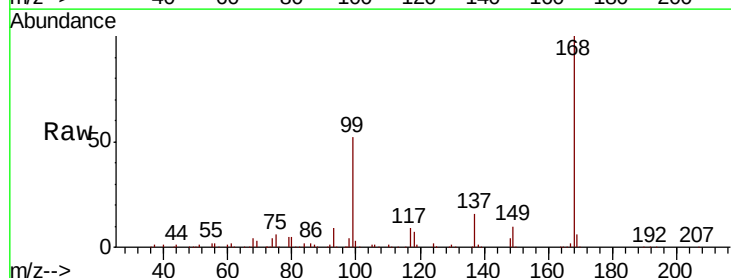


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

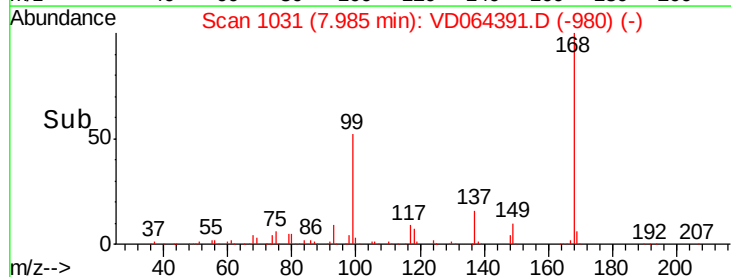
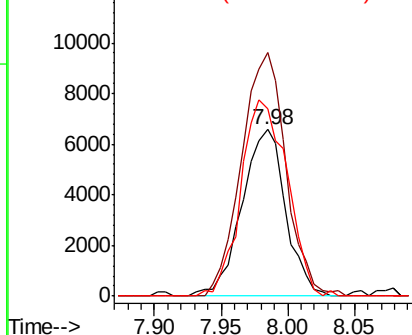


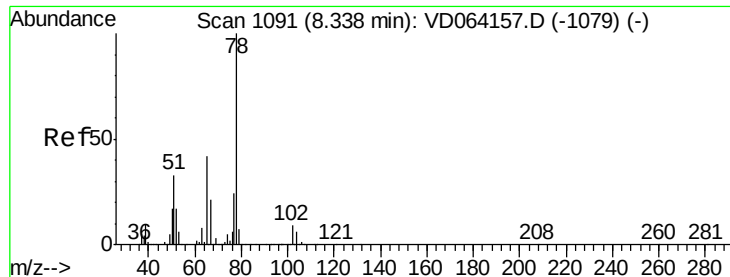
#31
Cyclohexane
Concen: 1.243 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064391.D
Acq: 26 Nov 2019 18:38

Tgt Ion:	56	Resp:	14935
Ion	Ratio	Lower	Upper
56	100		
69	146.0	28.2	42.4#
84	112.7	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

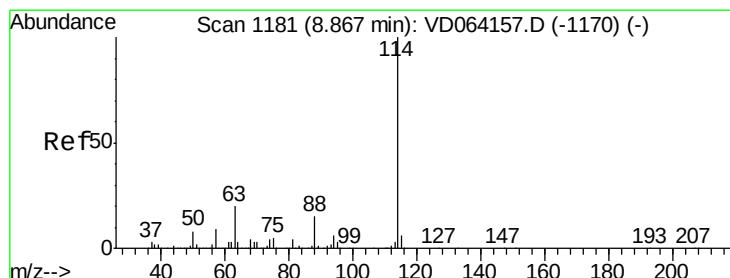
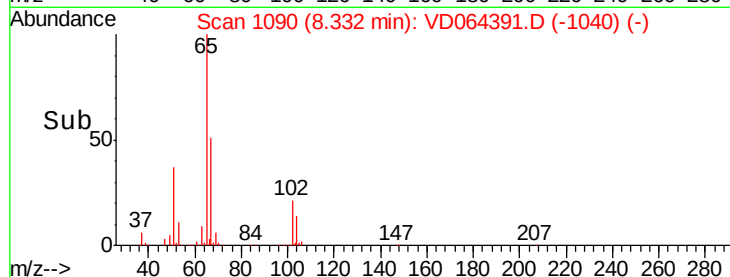
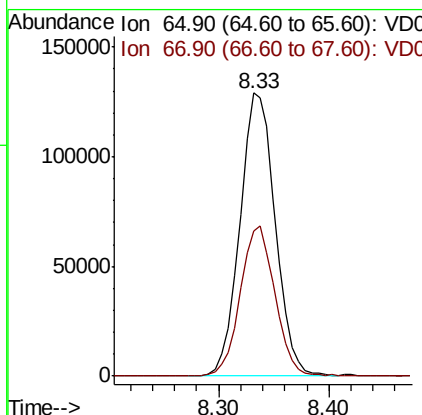
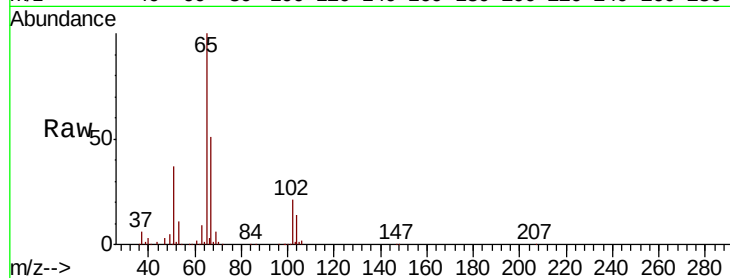




#33
 1,2-Dichloroethane-d4
 Concen: 47.378 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064391.D
 Acq: 26 Nov 2019 18:38

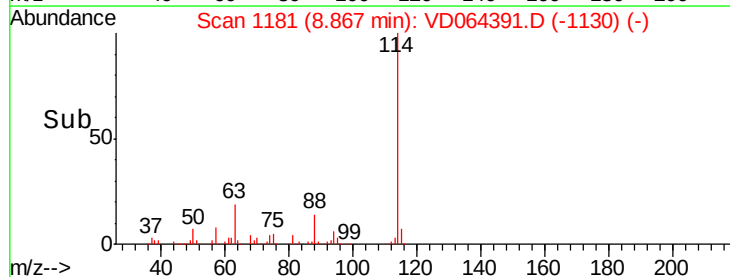
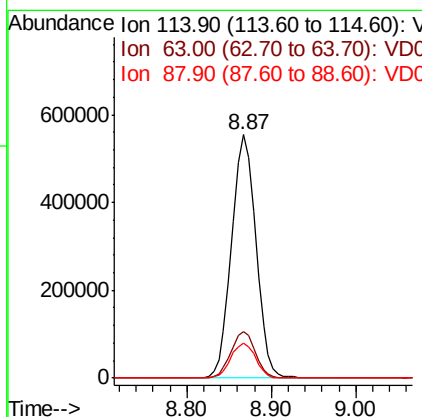
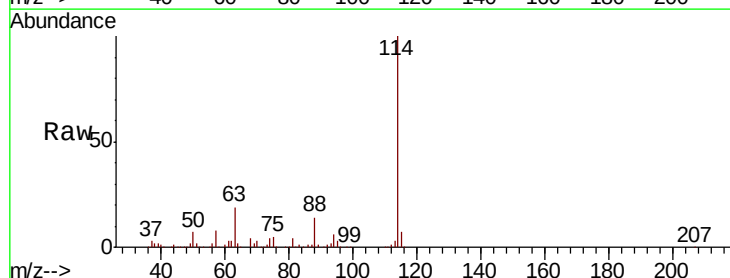
Instrument :
 MSVOA_D
 ClientSampled :

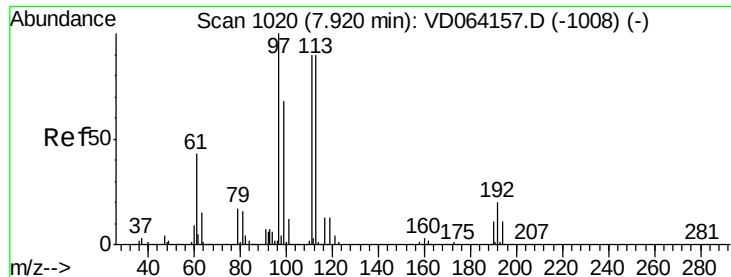
Tot Ion: 65 Resp: 290090
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064391.D
 Acq: 26 Nov 2019 18:38

Tgt Ion:114 Resp: 1100648
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 14.5 0.0 30.2

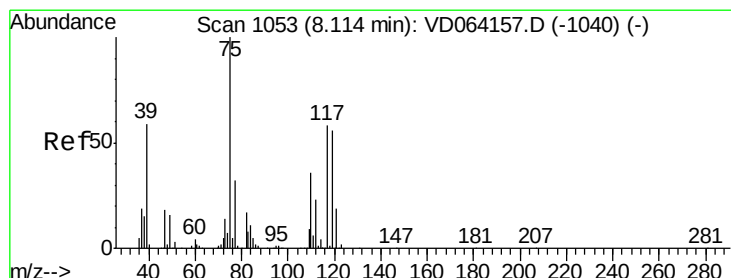
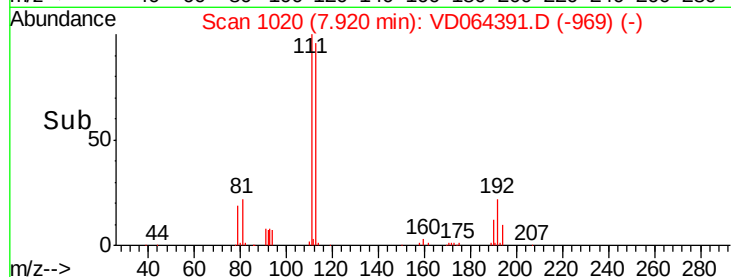
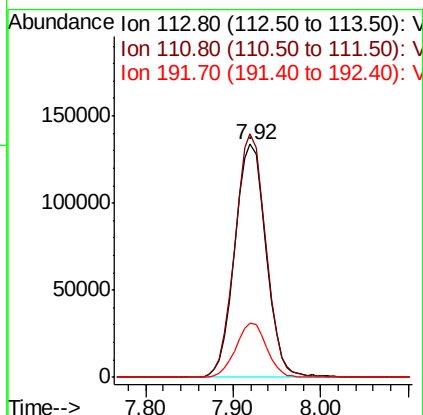
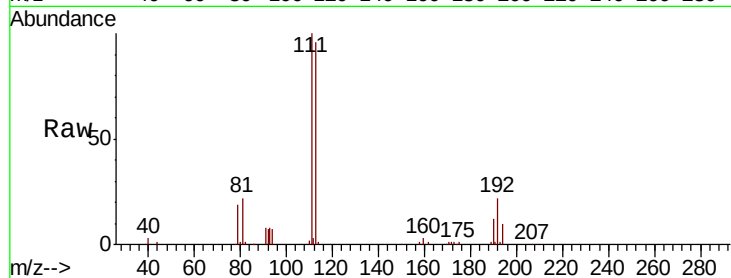




#35
 Dibromofluoromethane
 Concen: 51.291 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064391.D
 Acq: 26 Nov 2019 18:38

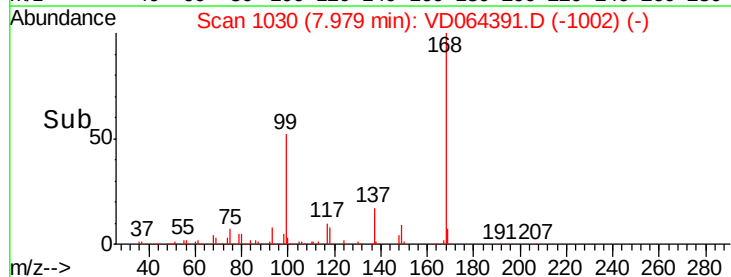
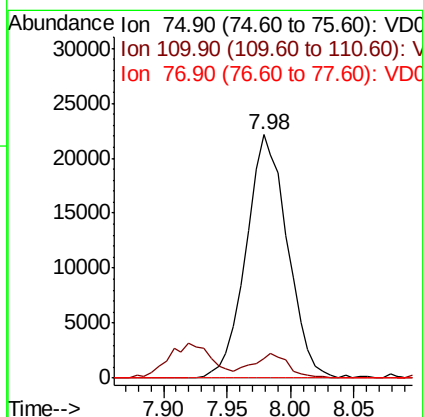
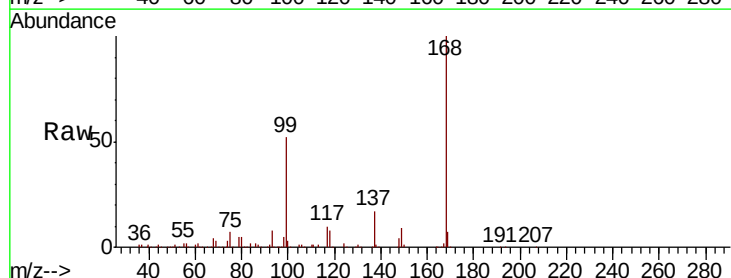
Instrument :
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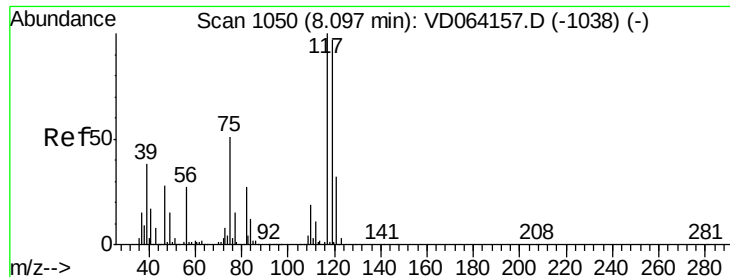
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.5	122.3
192	23.1	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.946 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064391.D
 Acq: 26 Nov 2019 18:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.3	54.9#
77	0.0	25.0	37.6#

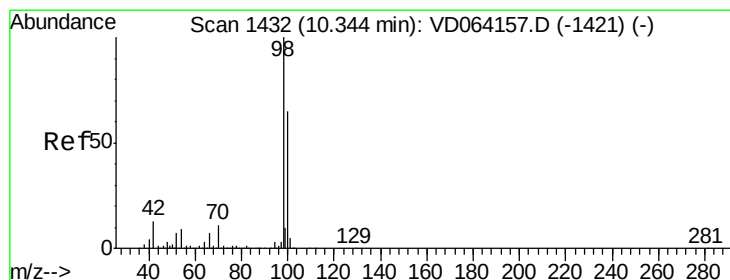
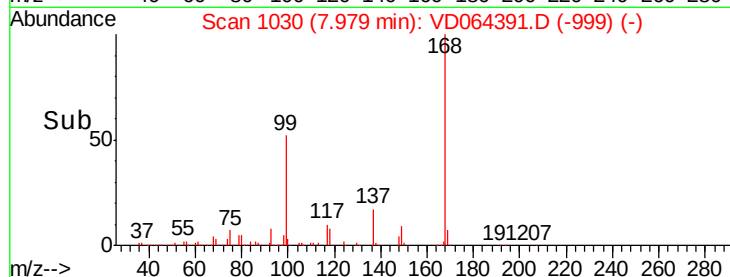
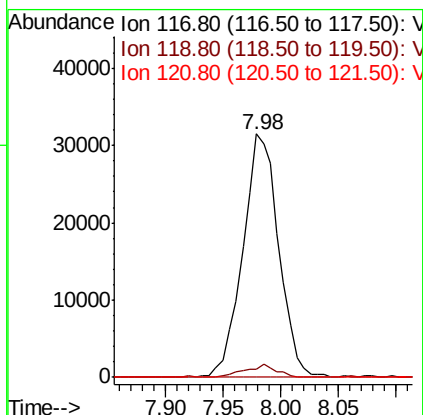
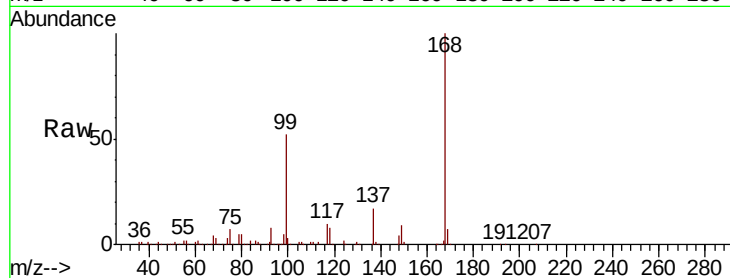




#38
Carbon Tetrachloride
Concen: 6.255 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064391.D
Acq: 26 Nov 2019 18:38

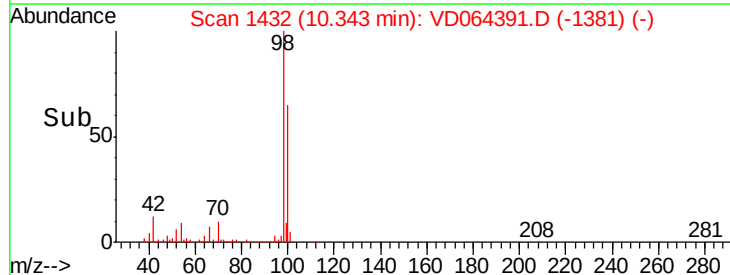
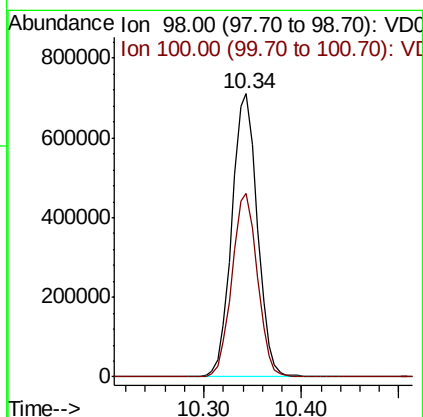
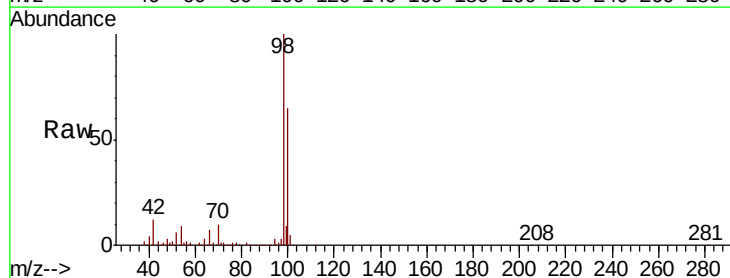
Instrument :
MSVOA_D
ClientSampleId :

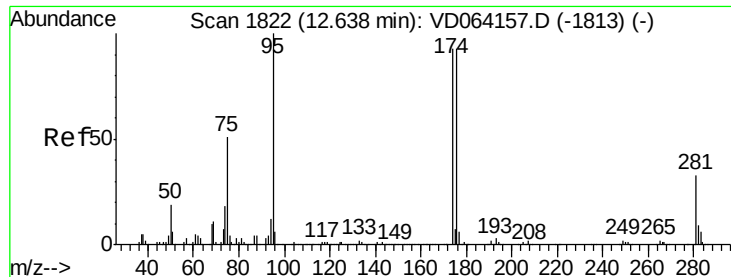
Tot Ion:117 Resp: 67991
Ion Ratio Lower Upper
117 100
119 3.4 77.2 115.8#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 54.287 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064391.D
Acq: 26 Nov 2019 18:38

Tgt Ion: 98 Resp: 1293859
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

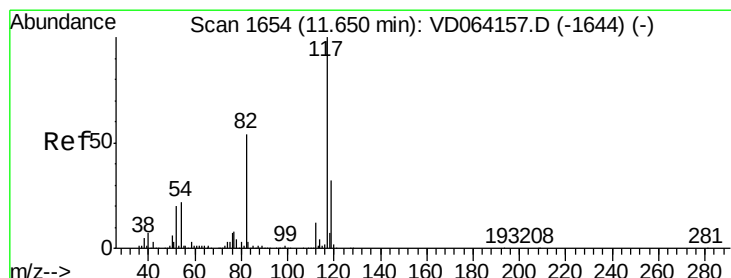
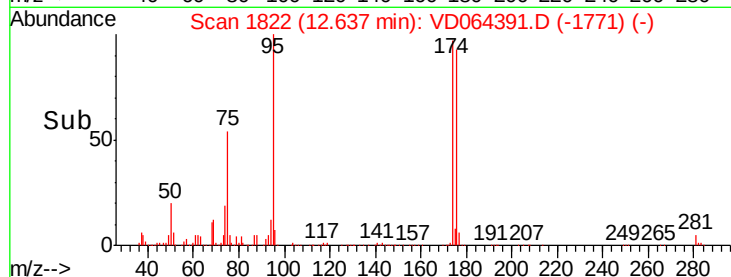
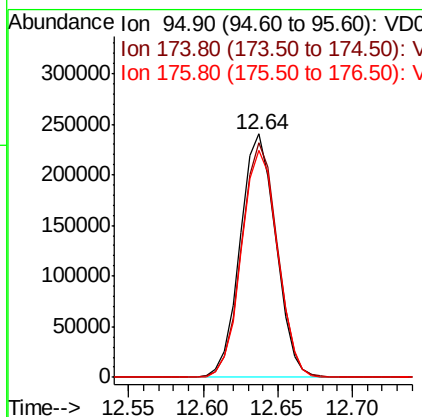
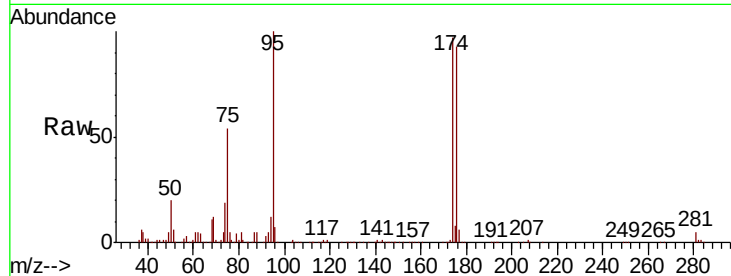




#62
4-Bromofluorobenzene
Concen: 48.266 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064391.D
Acq: 26 Nov 2019 18:38

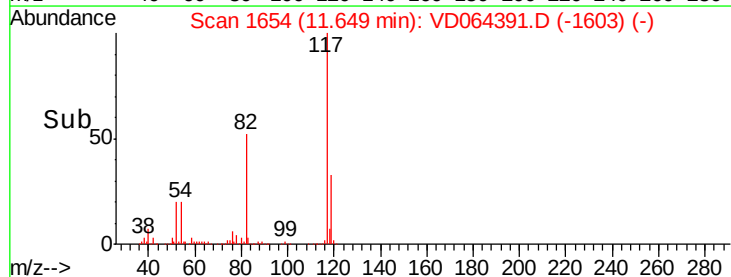
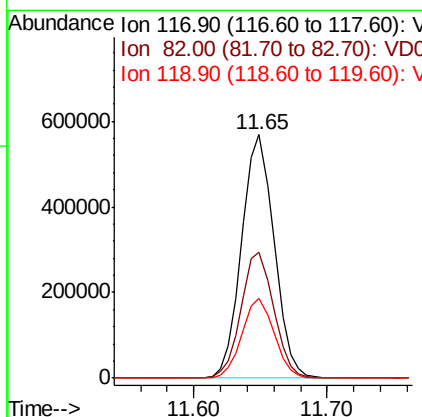
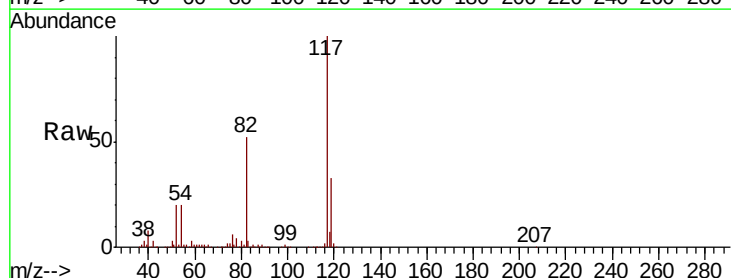
Instrument :
MSVOA_D
ClientSampleId :

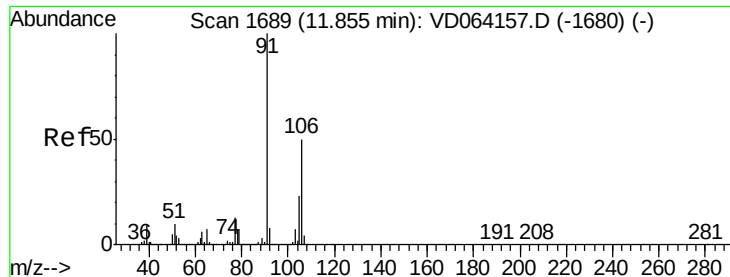
Tot Ion	95	Resp	398378
Ion Ratio	Lower	Upper	
95	100		
174	96.6	0.0	183.6
176	94.2	0.0	180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064391.D
Acq: 26 Nov 2019 18:38

Tgt Ion	117	Resp	960647
Ion Ratio	Lower	Upper	
117	100		
82	51.8	42.8	64.2
119	32.6	25.6	38.4

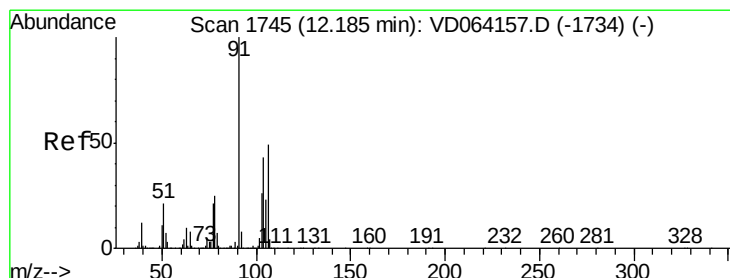
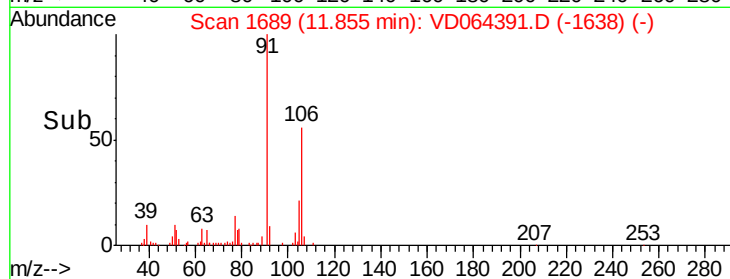
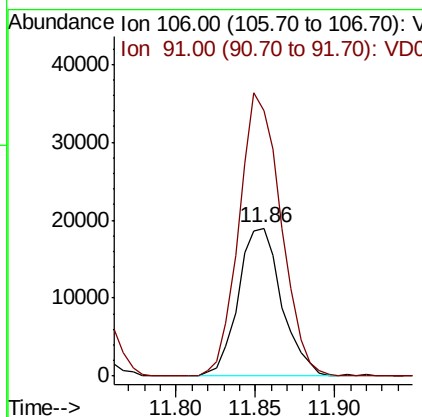
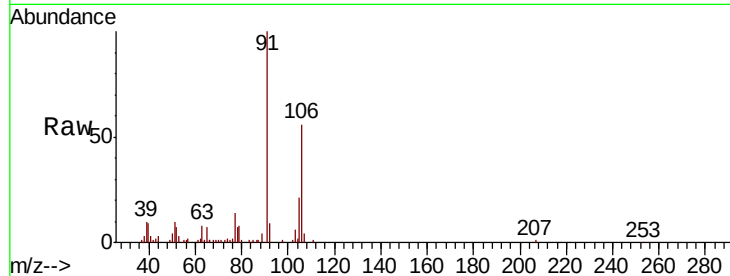




#68
m/p-Xylenes
Concen: 2.664 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064391.D
Acq: 26 Nov 2019 18:38

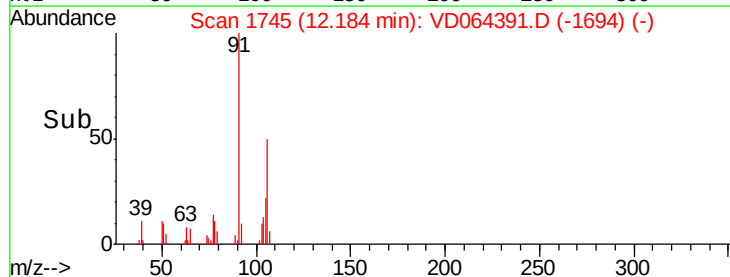
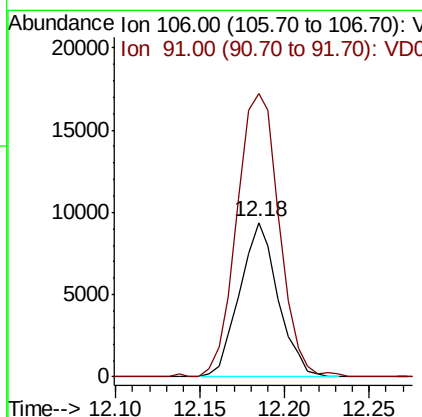
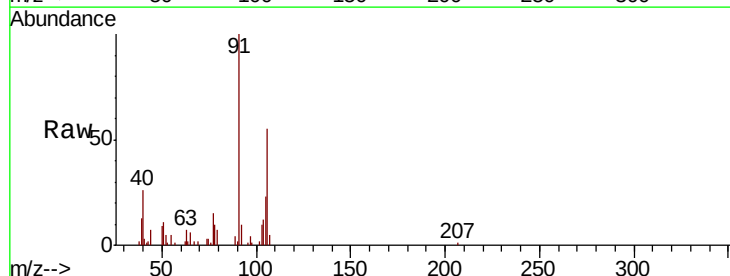
Instrument :
MSVOA_D
ClientSampled :

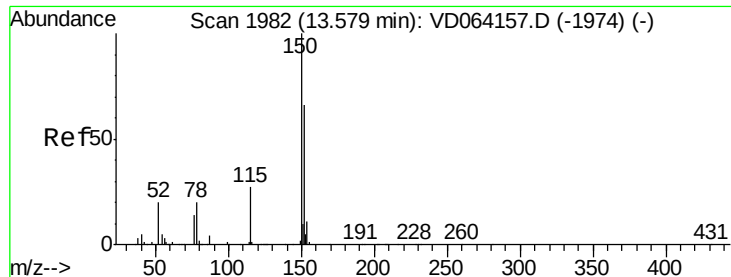
Tot Ion:106 Resp: 36077
Ion Ratio Lower Upper
106 100
91 185.3 160.3 240.5



#69
o-Xylene
Concen: 1.188 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064391.D
Acq: 26 Nov 2019 18:38

Tgt Ion:106 Resp: 14926
Ion Ratio Lower Upper
106 100
91 201.3 105.1 315.3

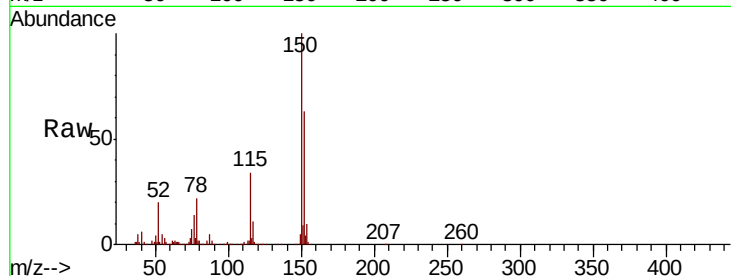




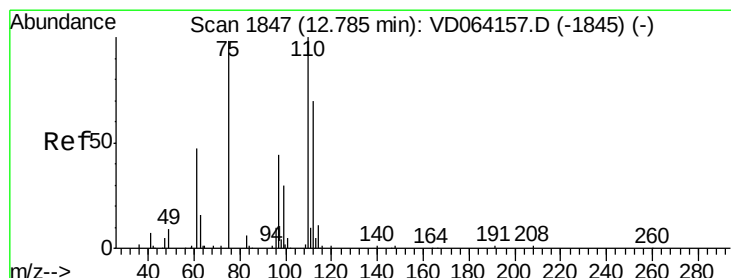
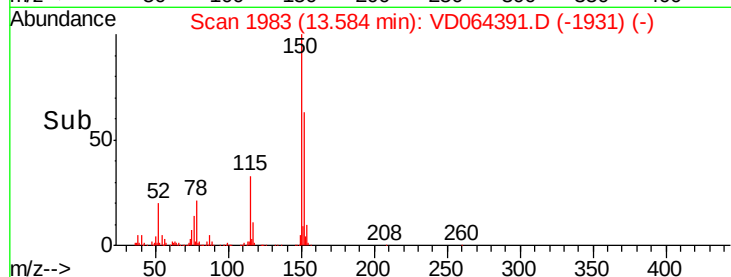
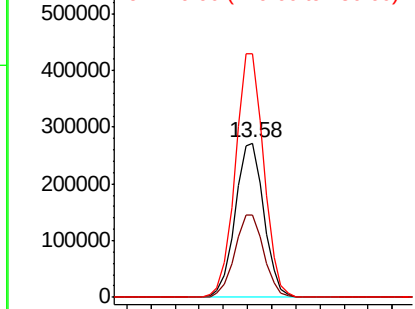
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: VD064391.D
 Acq: 26 Nov 2019 18:38

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:152 Resp: 449909
 Ion Ratio Lower Upper
 152 100
 115 54.2 27.4 82.2
 150 156.5 0.0 351.6

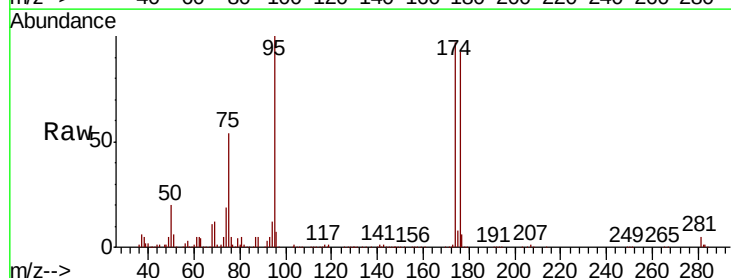


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

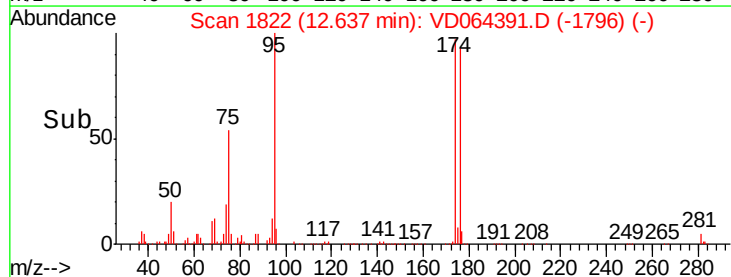
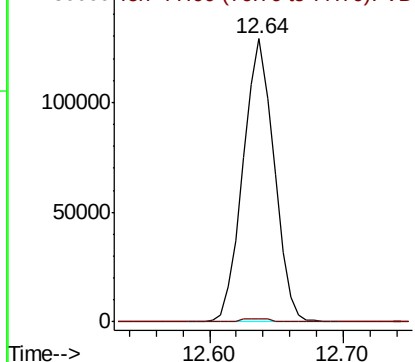


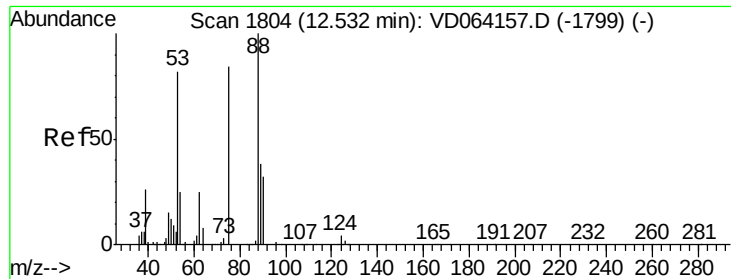
#76
 1,2,3-Trichloropropane
 Concen: 57.118 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064391.D
 Acq: 26 Nov 2019 18:38

Tgt Ion: 75 Resp: 206987
 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: 113.458 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064391.D

Acq: 26 Nov 2019 18:38

Instrument :

MSVOA_D

ClientSampleId :

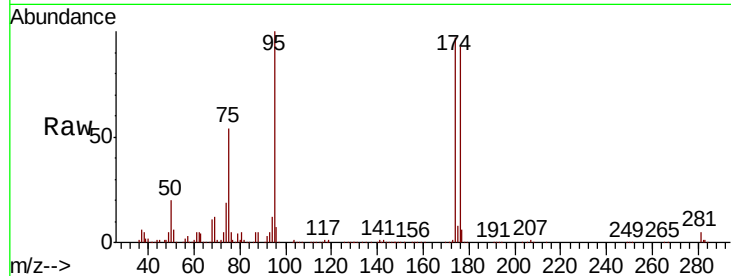
Tot Ion: 75 Resp: 206987

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

