

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120419\
 Data File : VD064425.D
 Acq On : 04 Dec 2019 19:11
 Operator : VA/SY
 Sample : K6112-01
 Misc : 6.42G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 05 03:51:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

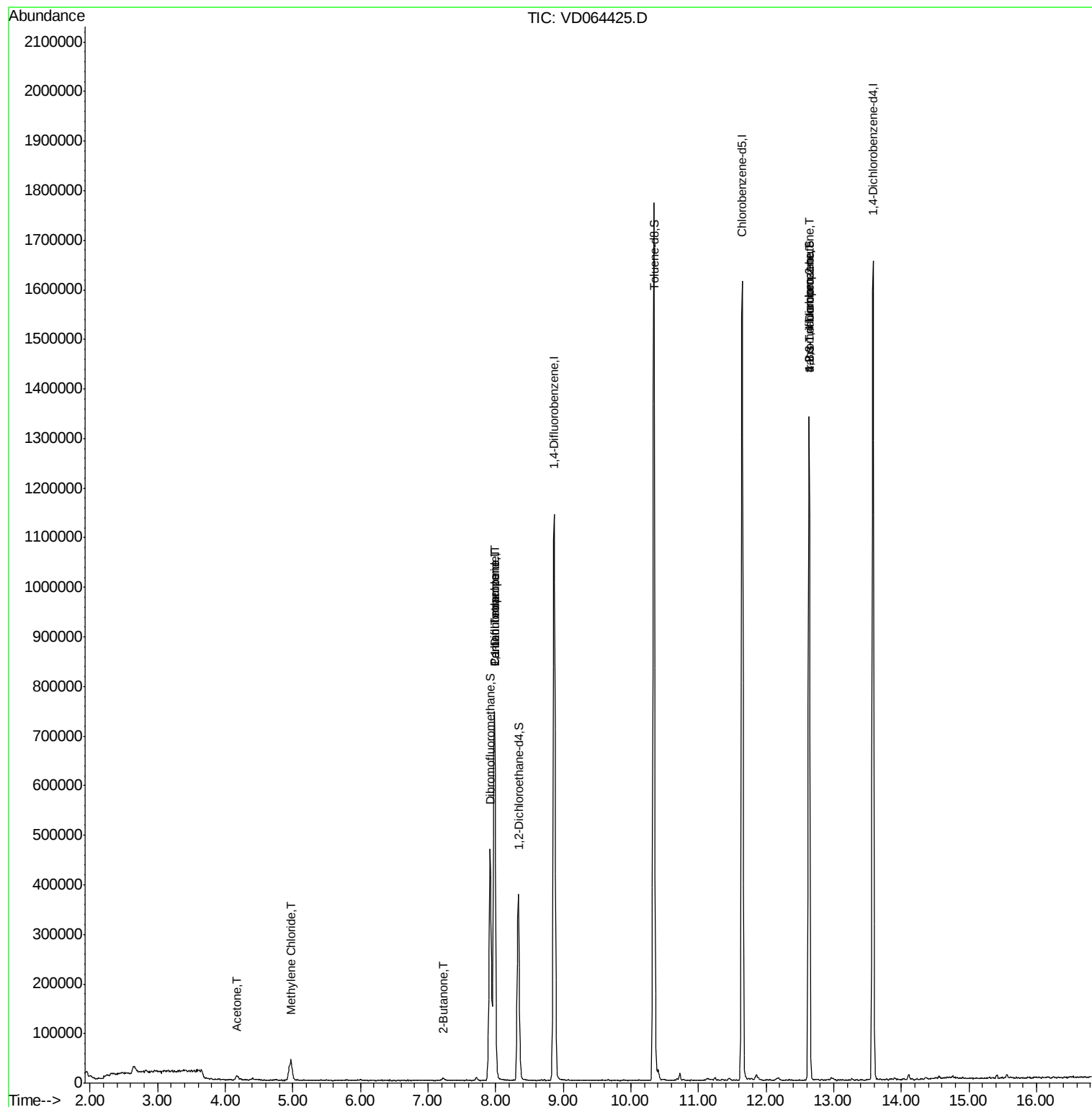
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	611382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1011665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	945432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	459160	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	300251	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
35) Dibromofluoromethane	7.92	113	321119	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	10.34	98	1225259	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.64	95	402715	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	15351	13.727	ug/l #	84
20) Methylene Chloride	4.97	84	32800	1.455	ug/l	93
25) 2-Butanone	7.23	43	2607	1.648	ug/l	98
31) Cyclohexane	7.98	56	11928	Below Cal	#	1
36) 1,1-Dichloropropene	7.98	75	41605	4.348	ug/l #	50
38) Carbon Tetrachloride	7.98	117	57248	5.669	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	210837	55.836	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	210837	121.752	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.52	75	67	Below Cal	#	1

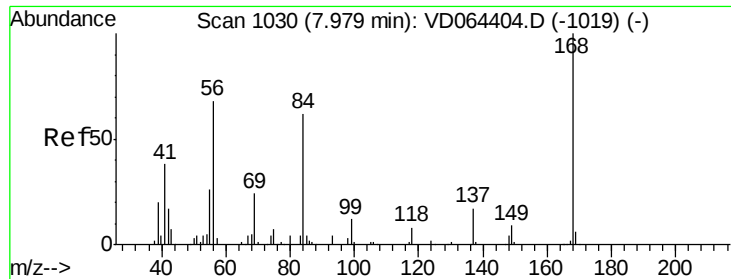
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064425.D

Acq: 04 Dec 2019 19:11

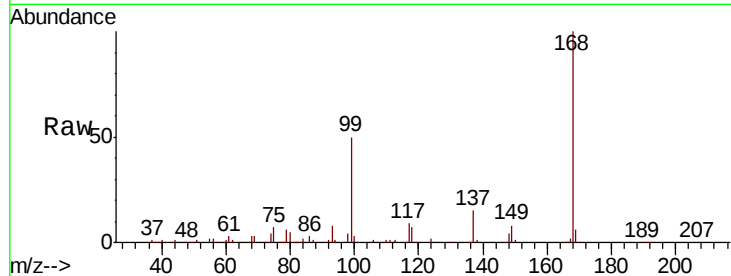
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 611382

Ion Ratio Lower Upper

168 100

99 49.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

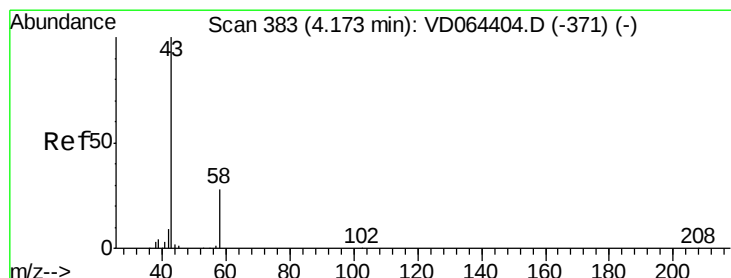
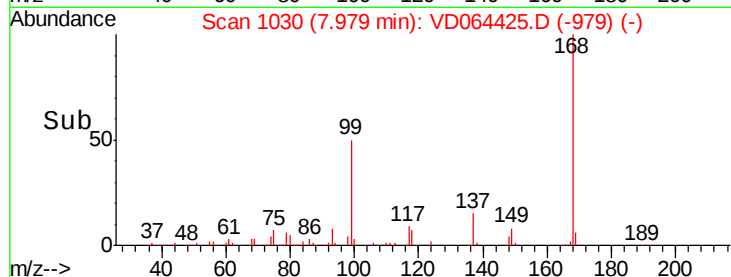
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 13.727 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064425.D

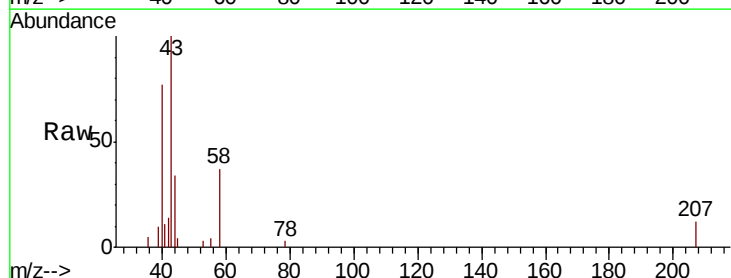
Acq: 04 Dec 2019 19:11

Tgt Ion: 43 Resp: 15351

Ion Ratio Lower Upper

43 100

58 36.8 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

5000

4000

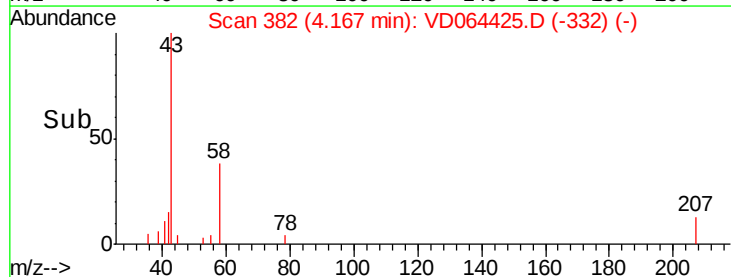
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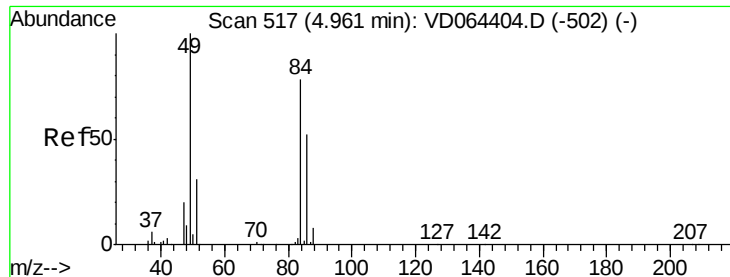
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1000

0

Time-->

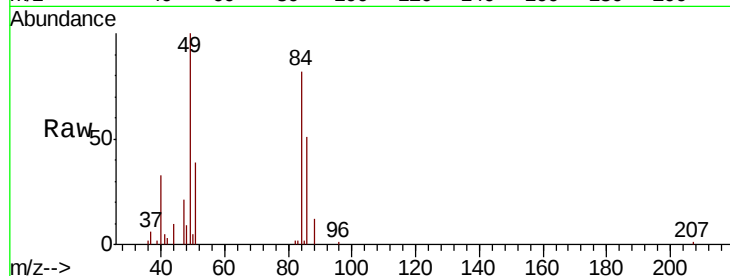




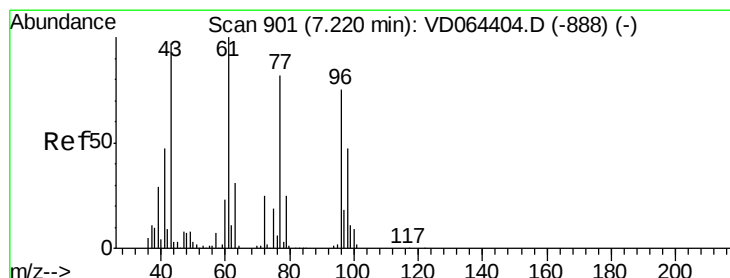
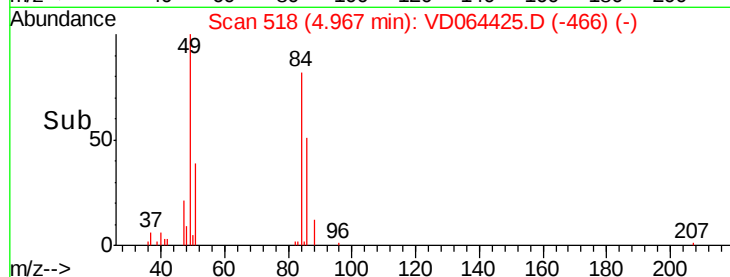
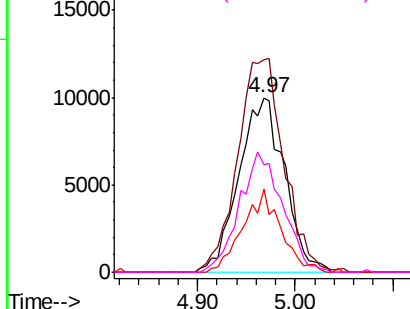
#20
Methylene Chloride
Concen: 1.455 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064425.D
Acq: 04 Dec 2019 19:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 32800
Ion Ratio Lower Upper
84 100
49 121.9 102.6 153.8
51 47.5 32.0 48.0
86 62.0 53.4 80.0

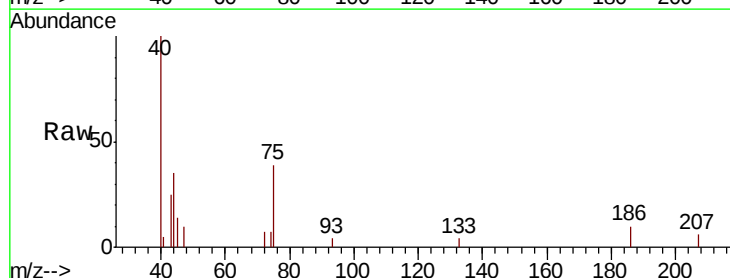


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

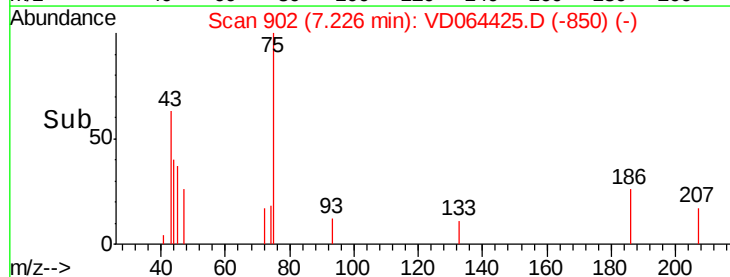
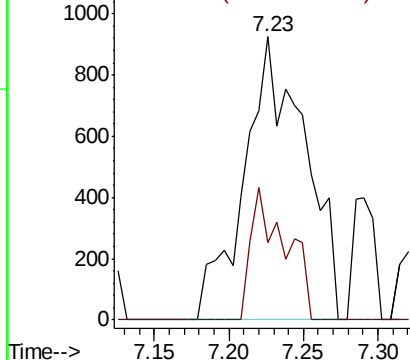


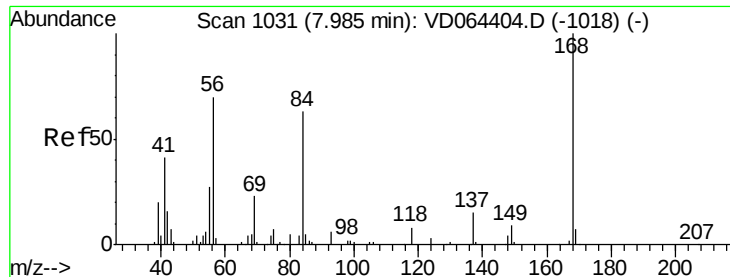
#25
2-Butanone
Concen: 1.648 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064425.D
Acq: 04 Dec 2019 19:11

Tgt Ion: 43 Resp: 2607
Ion Ratio Lower Upper
43 100
72 27.2 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

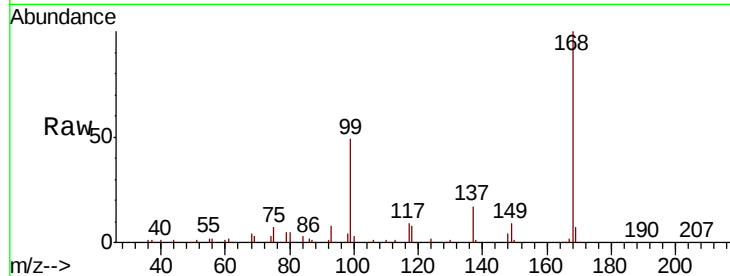




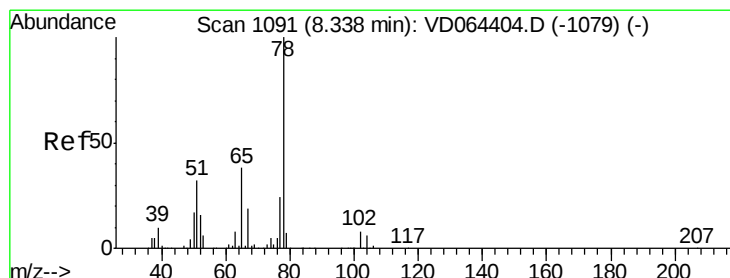
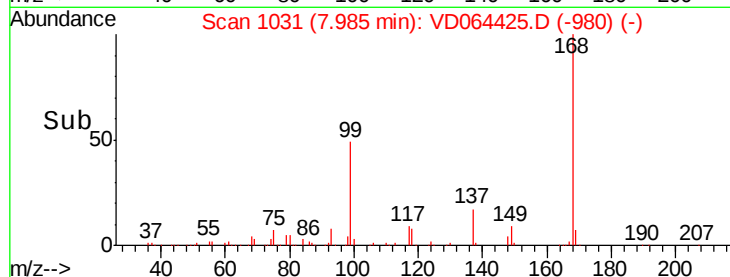
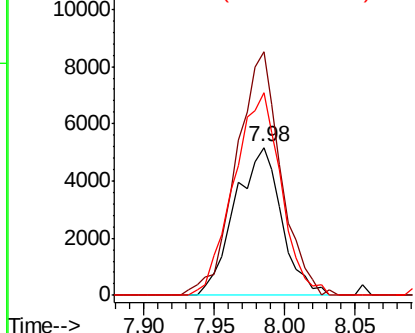
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064425.D
Acq: 04 Dec 2019 19:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 11928
Ion Ratio Lower Upper
56 100
69 164.4 26.2 39.4#
84 136.7 70.3 105.5#

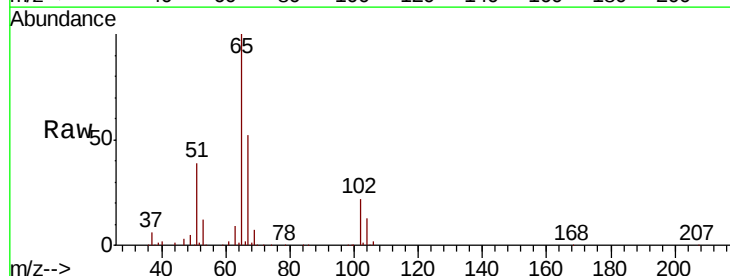


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

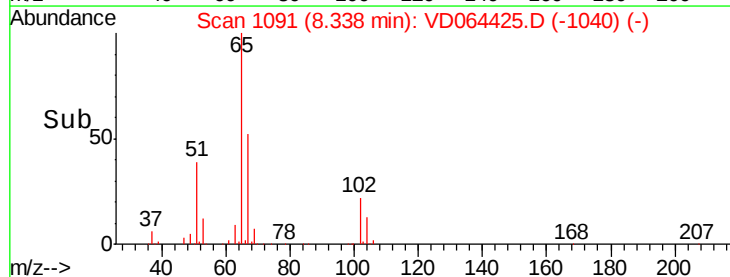
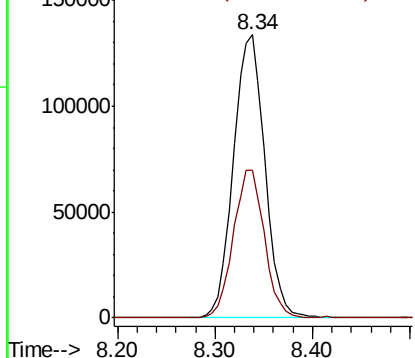


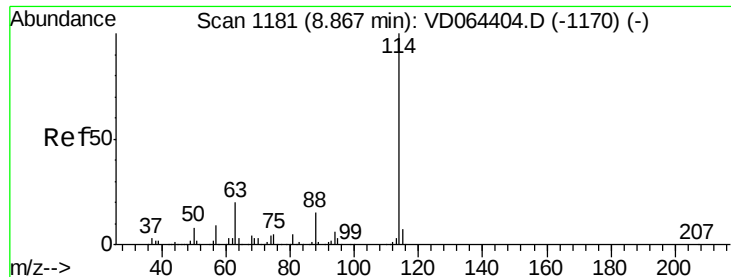
#33
1,2-Dichloroethane-d4
Concen: 54.257 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064425.D
Acq: 04 Dec 2019 19:11

Tgt Ion: 65 Resp: 300251
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.0



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

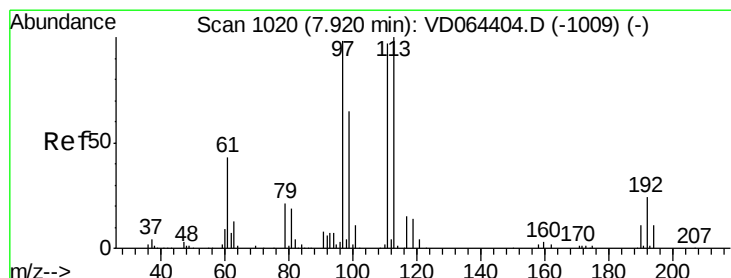
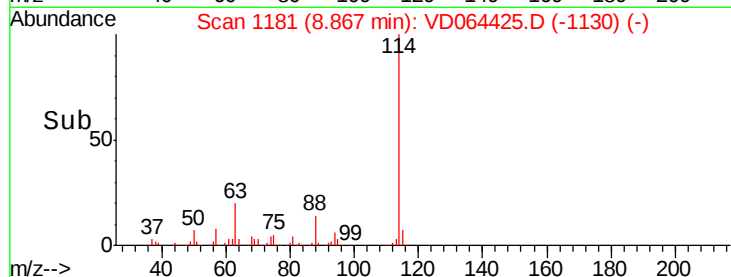
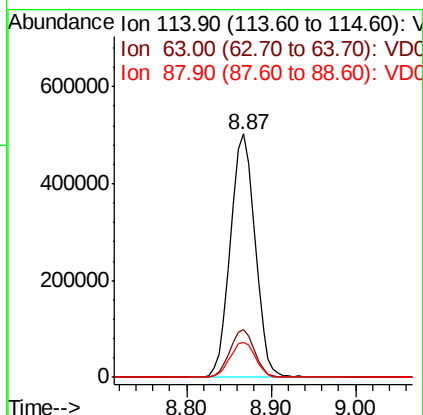
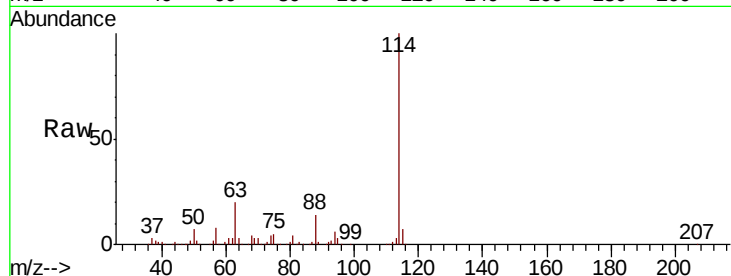




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064425.D
 Acq: 04 Dec 2019 19:11

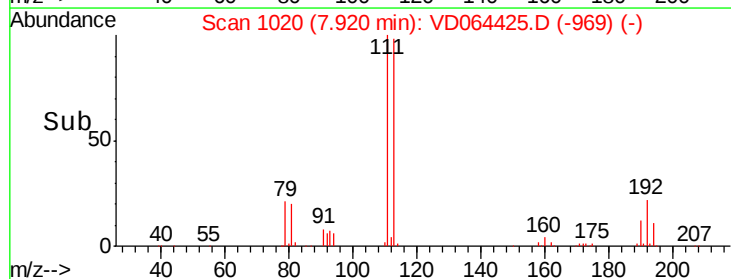
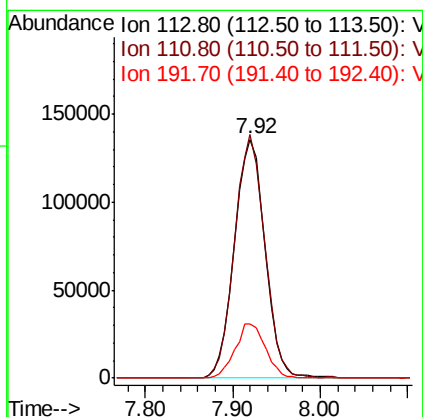
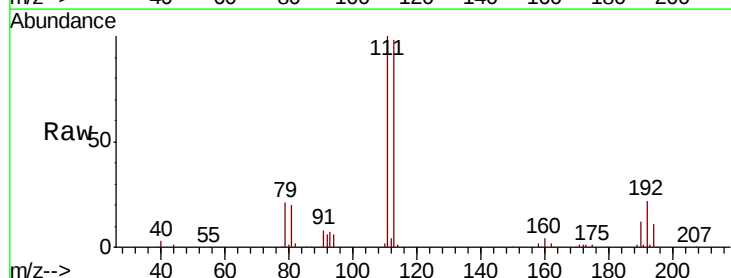
Instrument :
 MSVOA_D
 ClientSampleId :

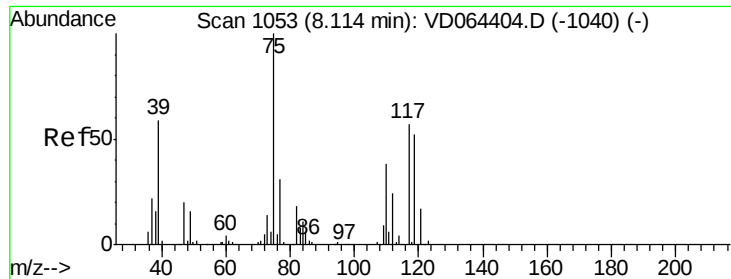
Tot Ion:114 Resp: 1011665
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 14.1 0.0 29.2



#35
 Dibromofluoromethane
 Concen: 50.379 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064425.D
 Acq: 04 Dec 2019 19:11

Tgt Ion:113 Resp: 321119
 Ion Ratio Lower Upper
 113 100
 111 100.3 79.4 119.2
 192 22.7 18.6 28.0

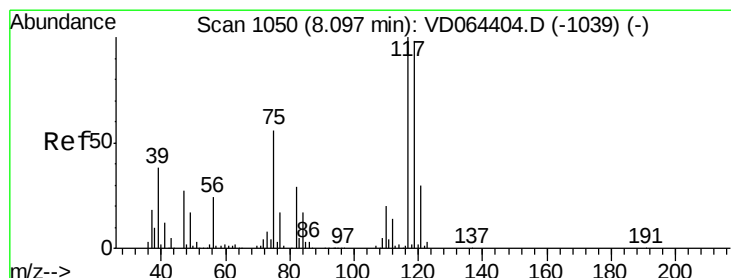
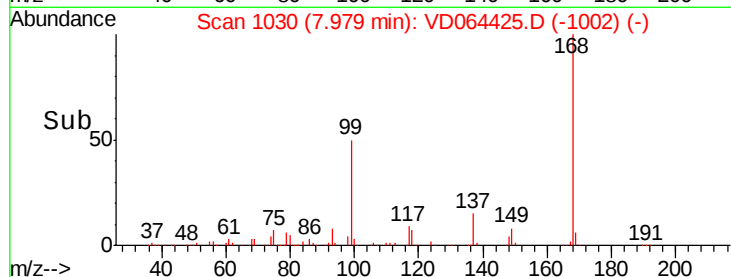
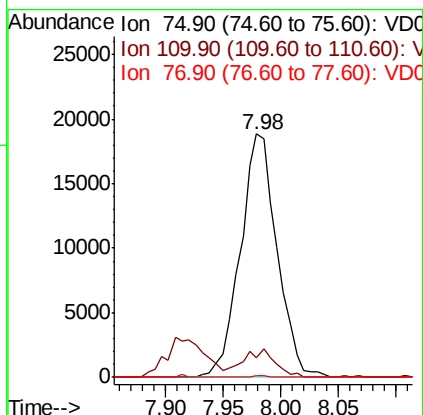
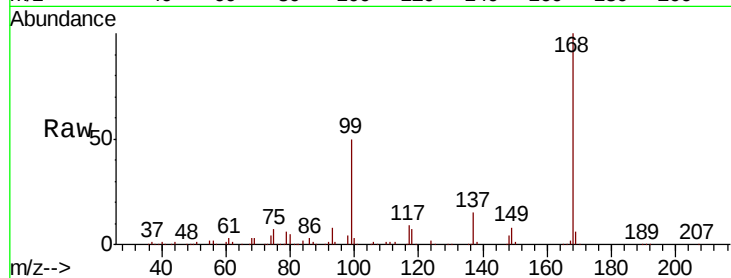




#36
 1,1-Dichloropropene
 Concen: 4.348 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064425.D
 Acq: 04 Dec 2019 19:11

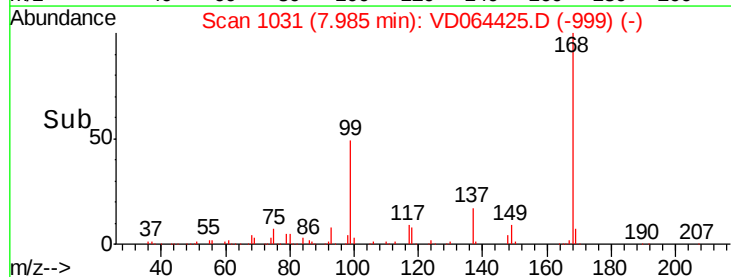
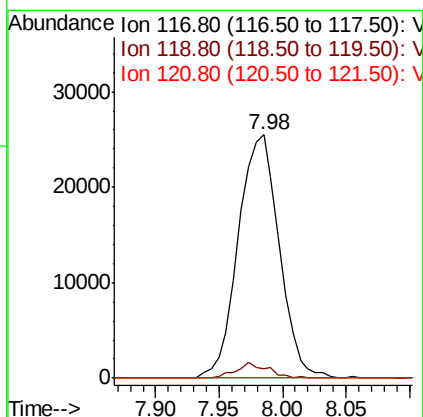
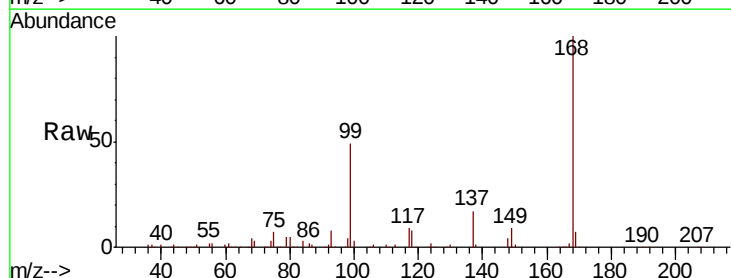
Instrument :
 MSVOA_D
 ClientSampled :

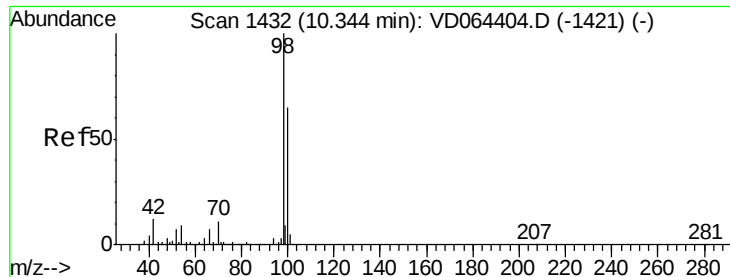
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.6	55.8#
77	0.3	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.669 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064425.D
 Acq: 04 Dec 2019 19:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	78.8	118.2#
121	0.0	24.2	36.2#

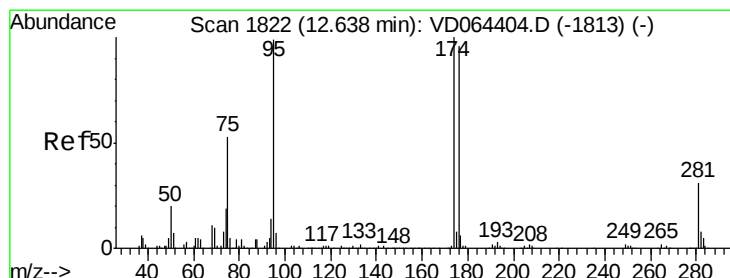
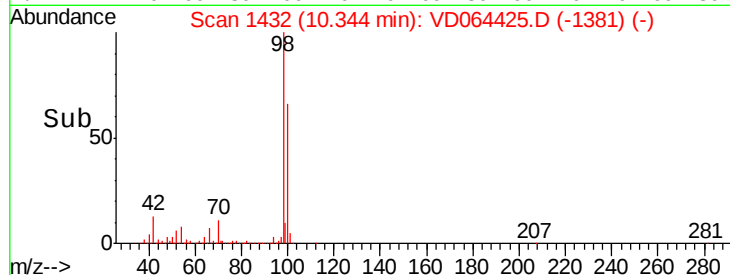
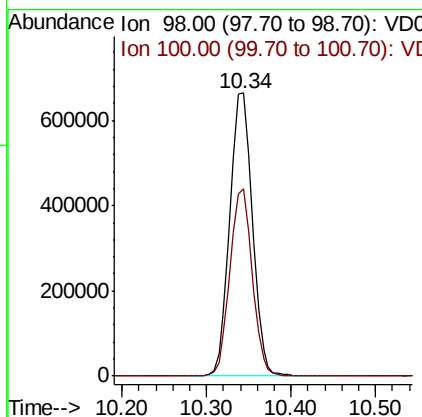
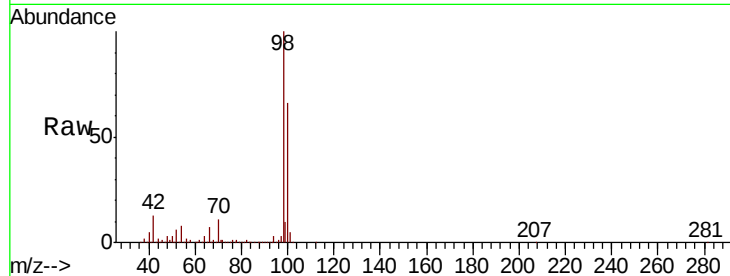




#50
Toluene-d8
Concen: 51.031 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064425.D
Acq: 04 Dec 2019 19:11

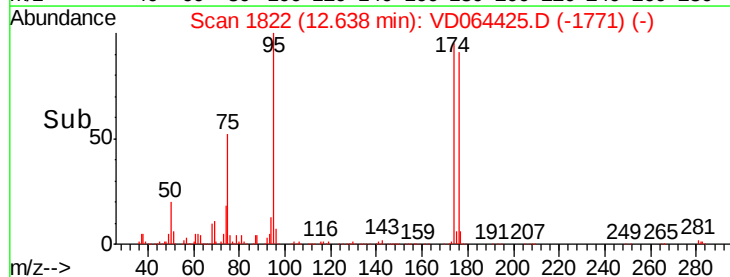
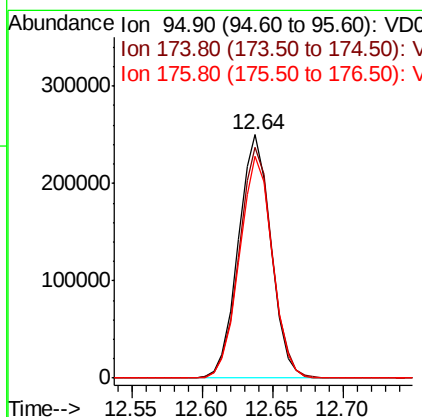
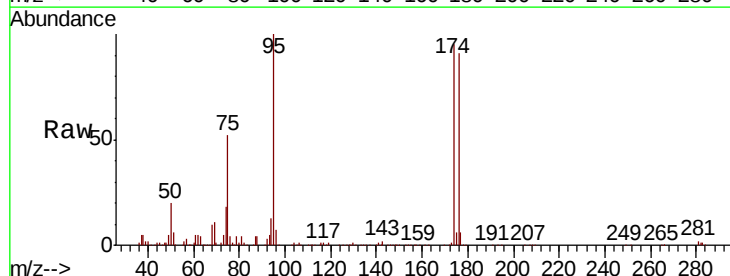
Instrument :
MSVOA_D
ClientSampleId :

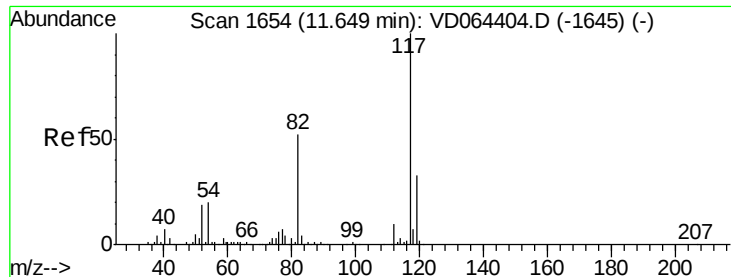
Tot Ion: 98 Resp: 1225259
Ion Ratio Lower Upper
98 100
100 65.2 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 52.191 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064425.D
Acq: 04 Dec 2019 19:11

Tgt Ion: 95 Resp: 402715
Ion Ratio Lower Upper
95 100
174 96.5 0.0 197.2
176 92.5 0.0 189.6

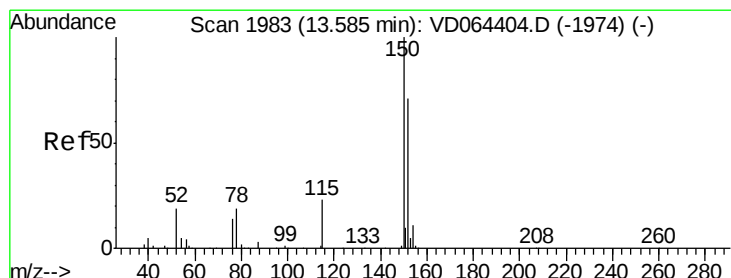
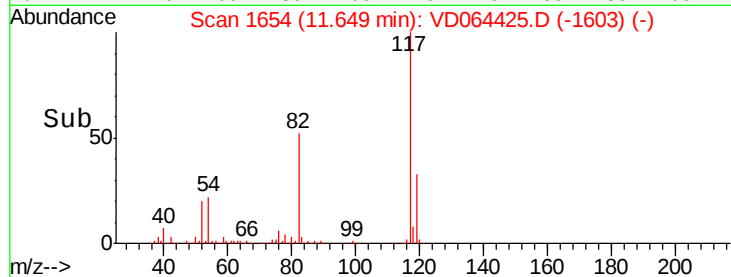
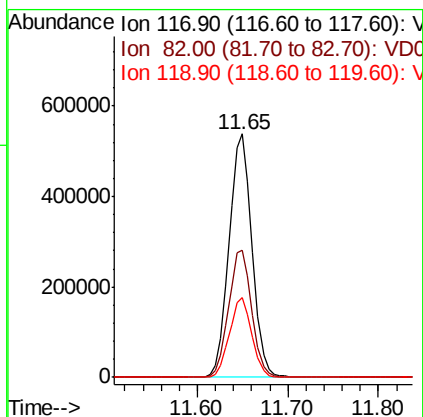
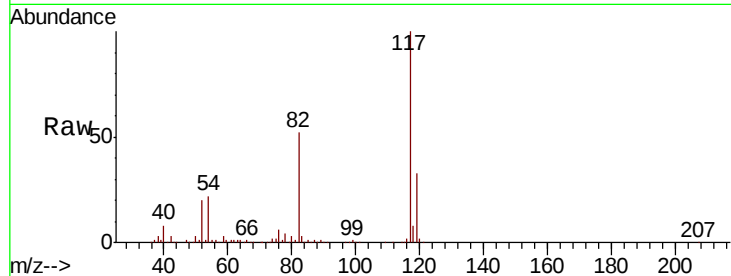




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064425.D
Acq: 04 Dec 2019 19:11

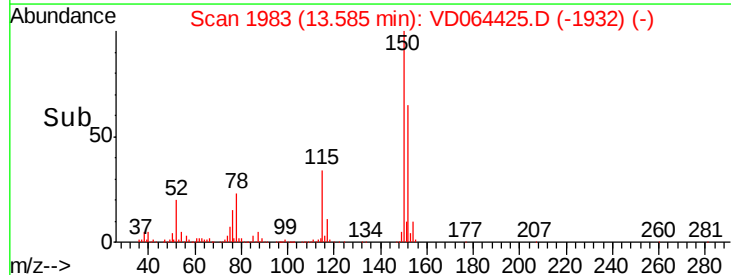
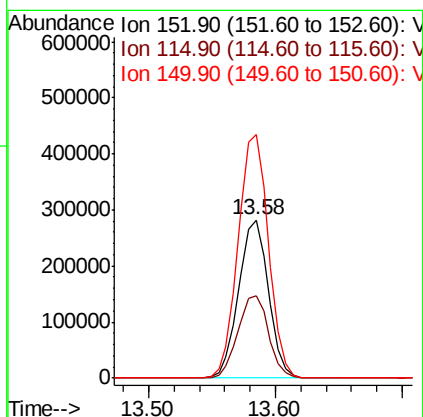
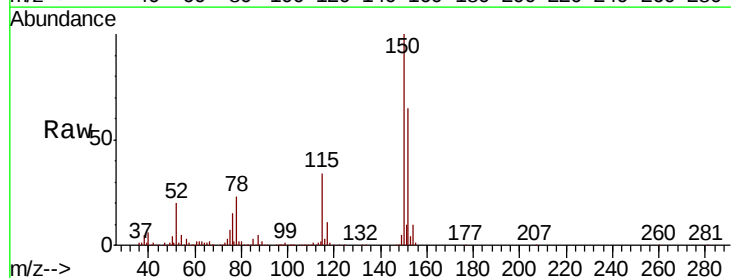
Instrument :
MSVOA_D
ClientSampleId :

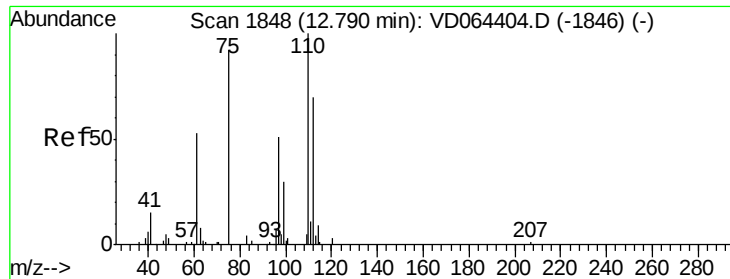
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.4	62.2
119	32.6	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064425.D
Acq: 04 Dec 2019 19:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	26.7	80.1
150	156.6	0.0	347.2

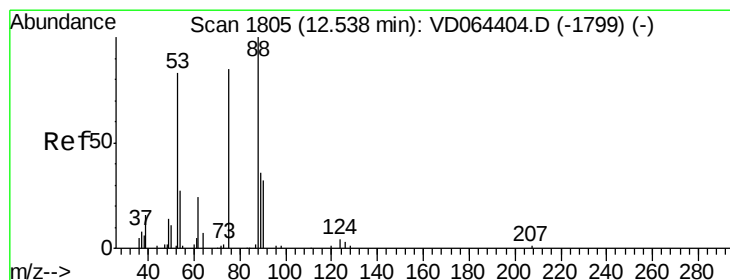
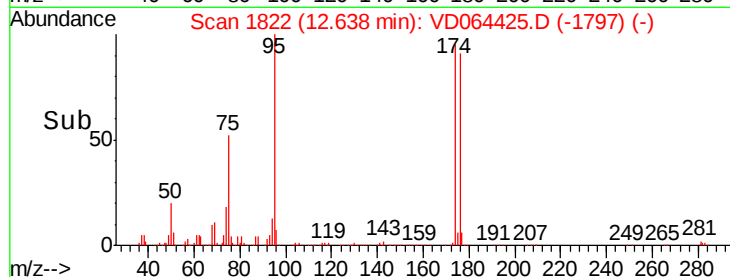
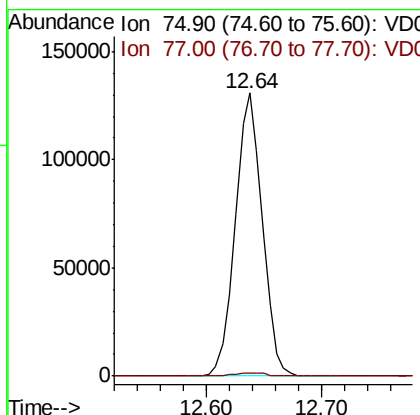
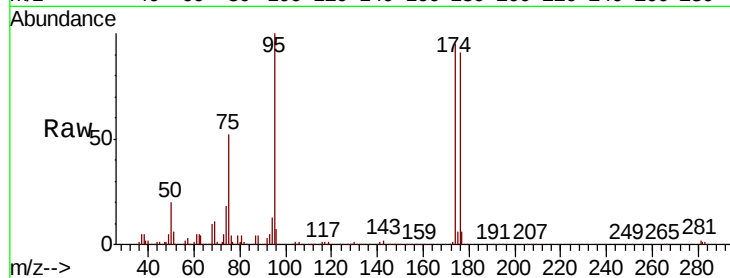




#76
 1,2,3-Trichloropropane
 Concen: 55.836 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064425.D
 Acq: 04 Dec 2019 19:11

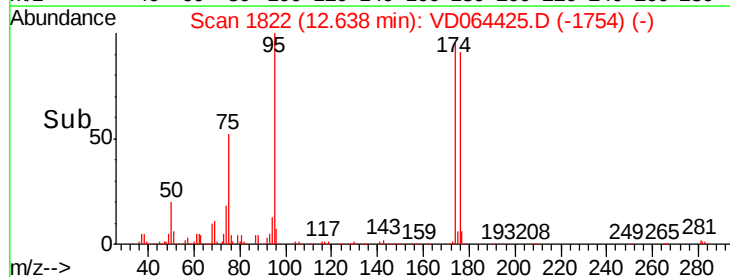
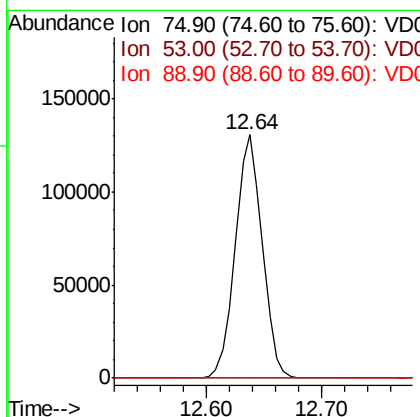
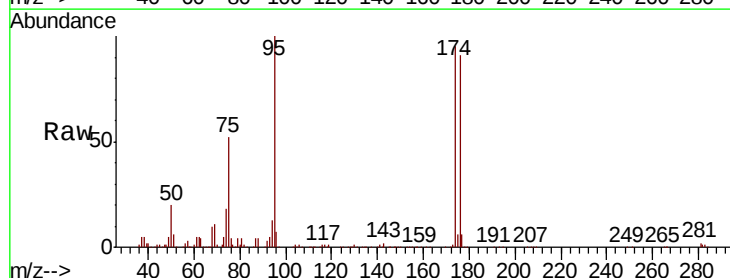
Instrument :
 MSVOA_D
 ClientSampled :

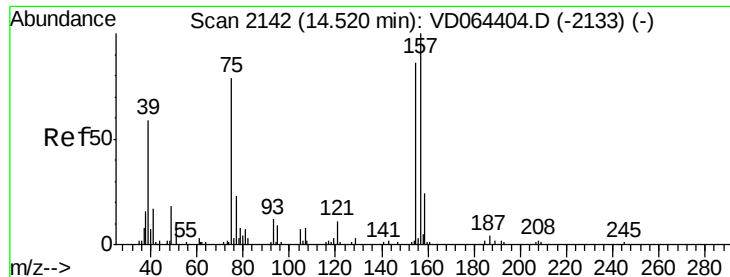
Tot Ion: 75 Resp: 210837
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.752 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD064425.D
 Acq: 04 Dec 2019 19:11

Tgt Ion: 75 Resp: 210837
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.0 121.6#
 89 0.1 38.5 57.7#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064425.D
 Acq: 04 Dec 2019 19:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 67
 Ion Ratio Lower Upper
 75 100
 155 0.0 51.9 155.7#
 157 0.0 63.2 189.8#

