

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121019\
 Data File : VD064490.D
 Acq On : 10 Dec 2019 18:16
 Operator : VA/SY
 Sample : K6242-07
 Misc : 5.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 11 00:48:51 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	151504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	231360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	232594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	104327	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	91772	66.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.84%	
35) Dibromofluoromethane	7.92	113	80351	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
50) Toluene-d8	10.34	98	275898	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.64	95	97730	55.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.76%	

Target Compounds

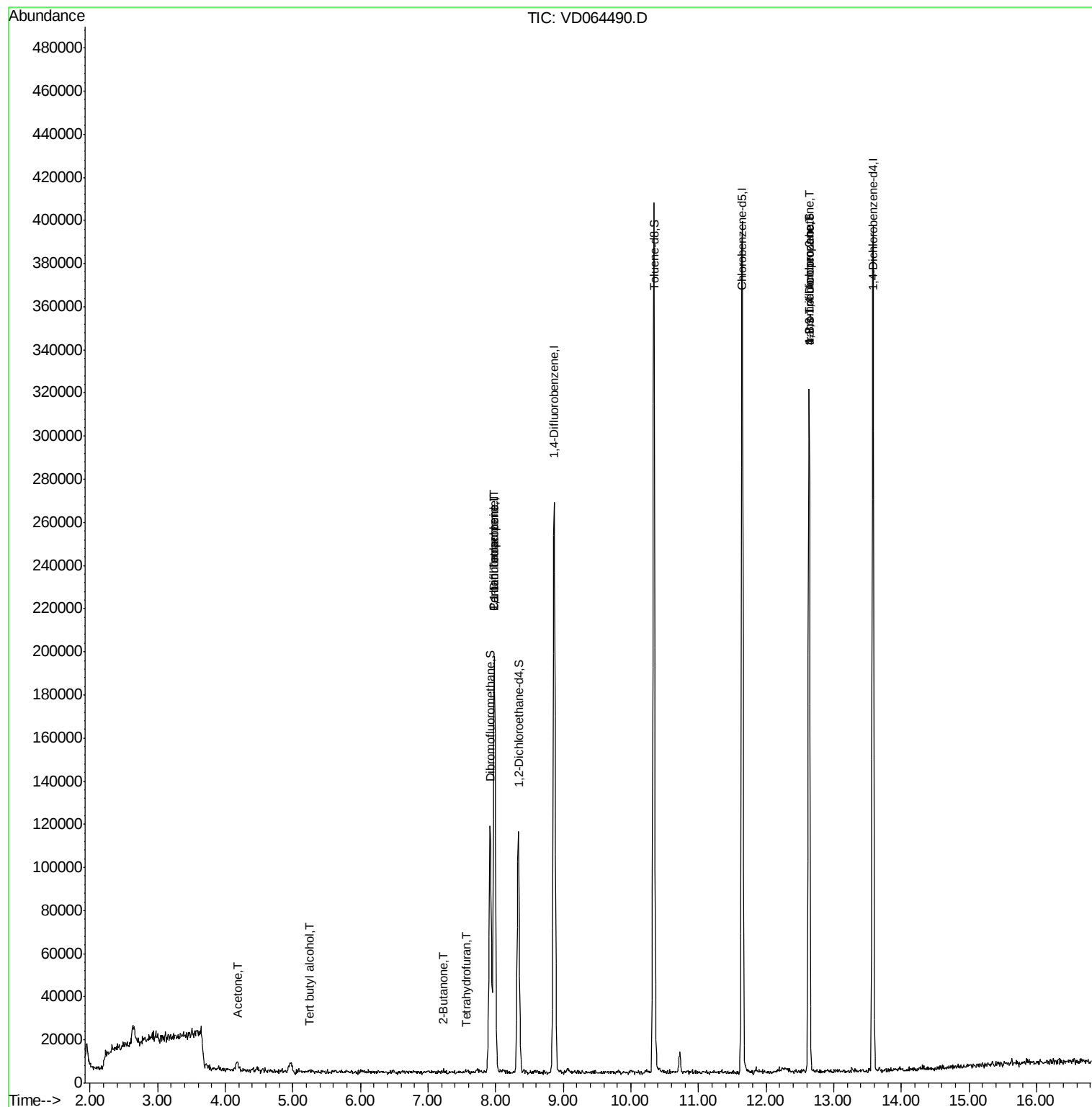
					Qvalue	
11) Tert butyl alcohol	5.24	59	294	3.368	ug/l #	100
16) Acetone	4.17	43	8086	29.179	ug/l #	82
20) Methylene Chloride	4.96	84	2740	Below Cal	#	75
25) 2-Butanone	7.23	43	738	1.883	ug/l #	49
29) Tetrahydrofuran	7.57	42	352	1.412	ug/l #	33
31) Cyclohexane	7.97	56	3052	Below Cal	#	3
36) 1,1-Dichloropropene	7.98	75	10580	4.835	ug/l #	50
38) Carbon Tetrachloride	7.98	117	13863	6.002	ug/l #	13
76) 1,2,3-Trichloropropane	12.64	75	50675	59.065	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	50675	128.793	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.53	75	112	Below Cal	#	1

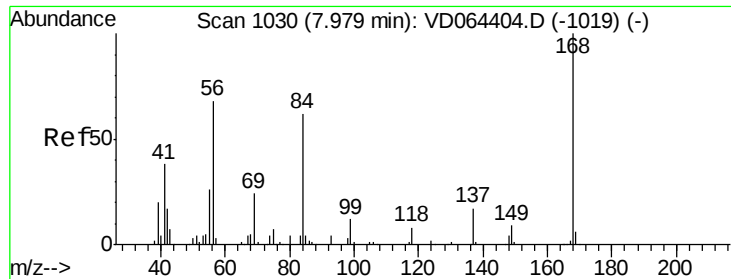
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 11 00:48:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
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: VD064490.D

Acq: 10 Dec 2019 18:16

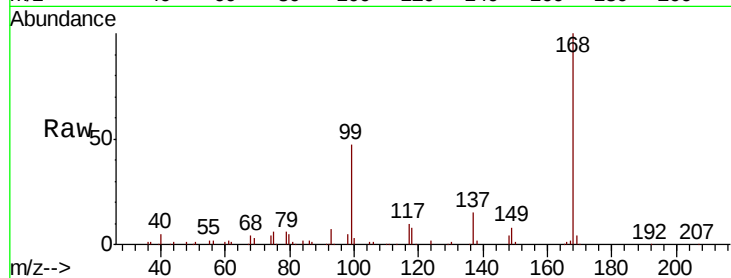
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 151504

Ion Ratio Lower Upper

168 100

99 47.3 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

80000

60000

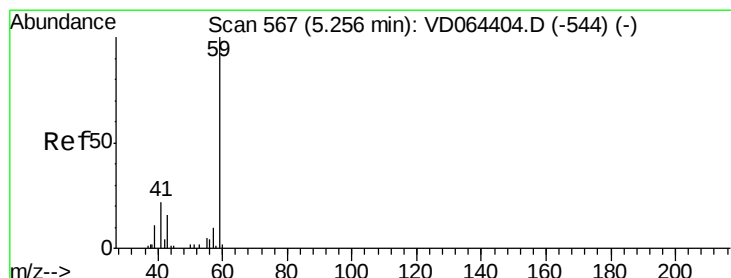
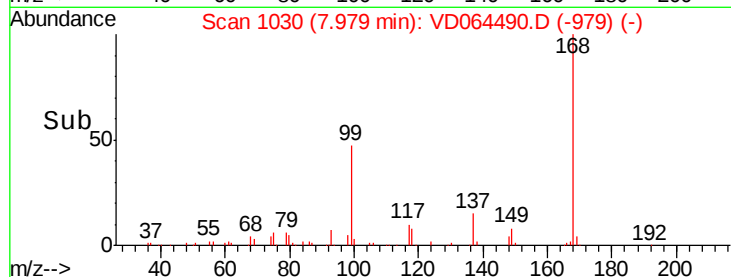
40000

20000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 3.368 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD064490.D

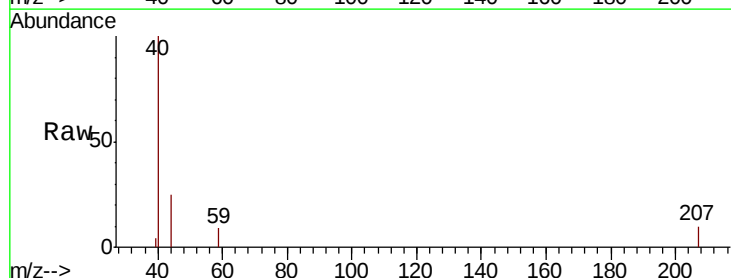
Acq: 10 Dec 2019 18:16

Tgt Ion: 59 Resp: 294

Ion Ratio Lower Upper

59 100

57 24.1 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.24

400

300

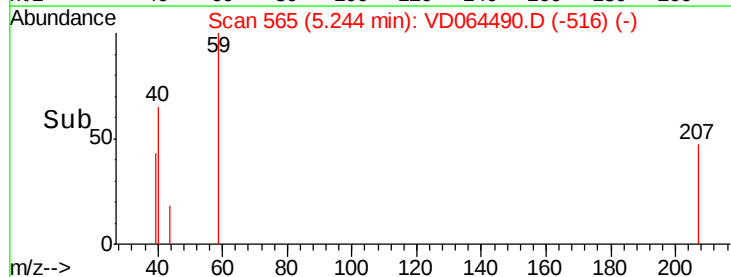
200

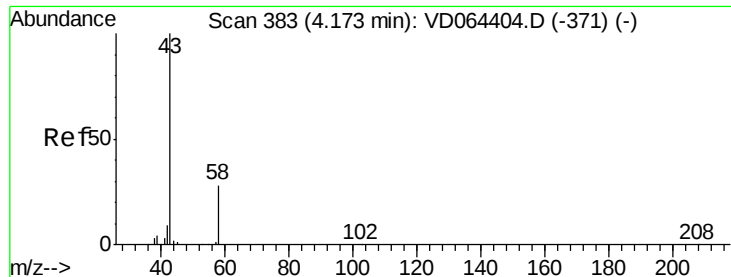
100

0

5.22 5.24 5.26

Time-->





#16

Acetone

Concen: 29.179 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.00 min

Lab File: VD064490.D

Acq: 10 Dec 2019 18:16

Instrument :

MSVOA_D

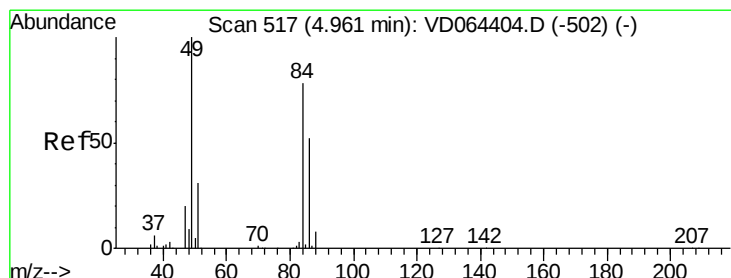
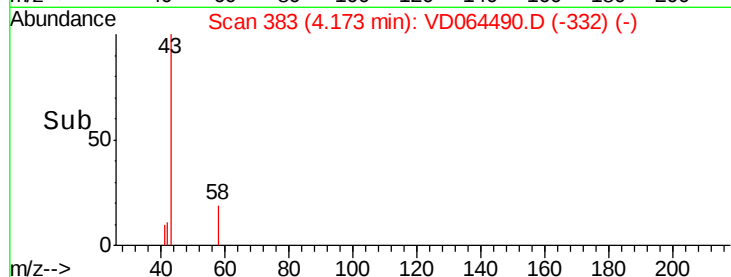
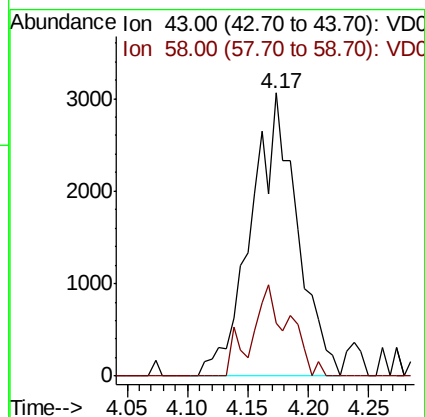
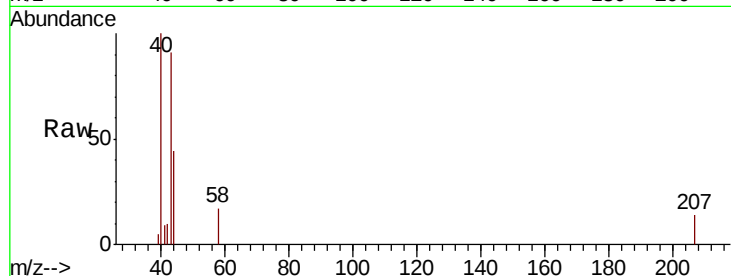
ClientSampleId :

Tot Ion: 43 Resp: 8086

Ion Ratio Lower Upper

43 100

58 18.7 22.6 33.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD064490.D

Acq: 10 Dec 2019 18:16

Tgt Ion: 84 Resp: 2740

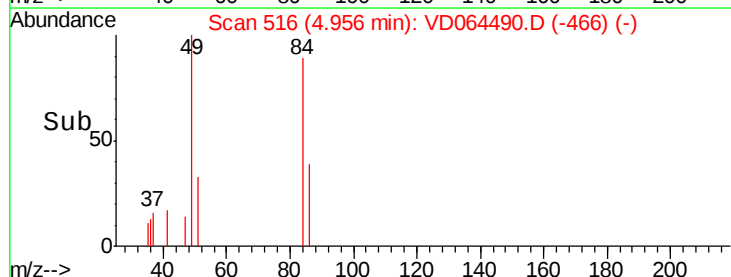
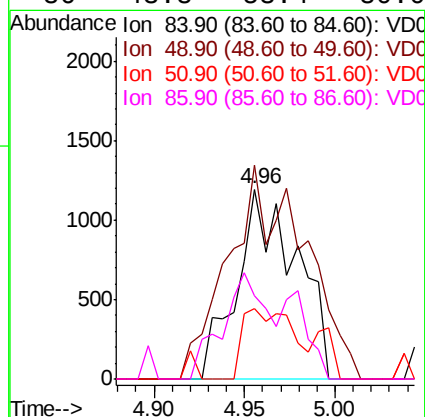
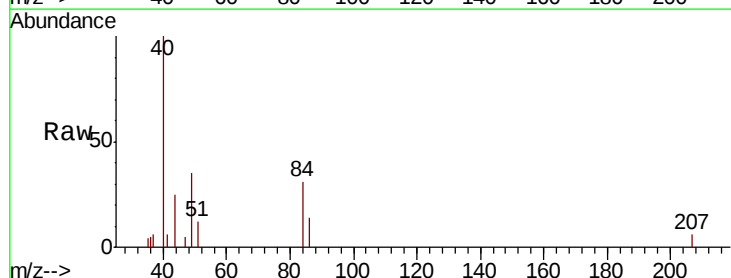
Ion Ratio Lower Upper

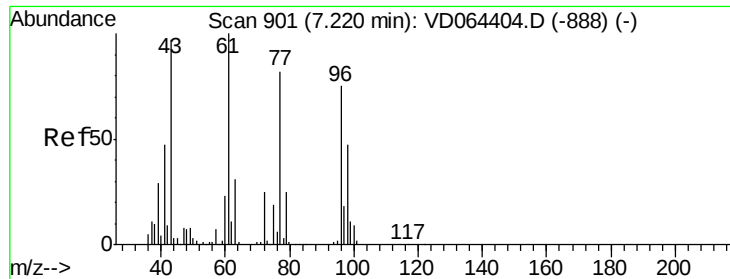
84 100

49 94.0 102.6 153.8#

51 37.5 32.0 48.0

86 43.8 53.4 80.0#





#25

2-Butanone

Concen: 1.883 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064490.D

Acq: 10 Dec 2019 18:16

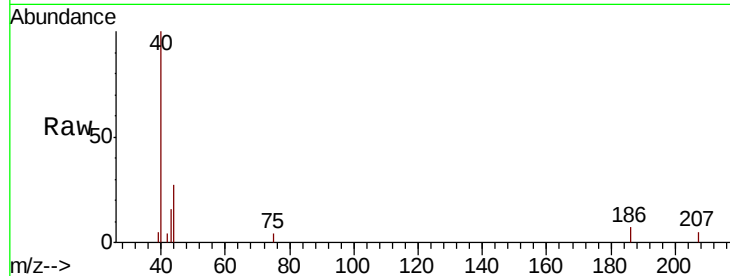
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 738

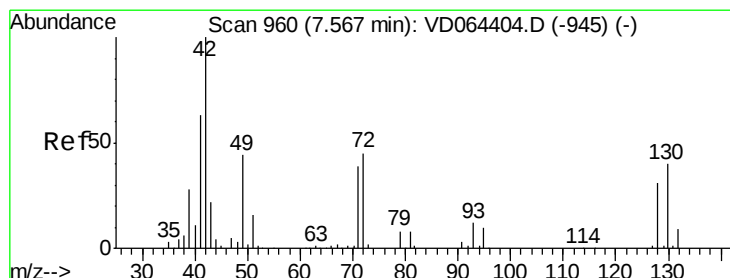
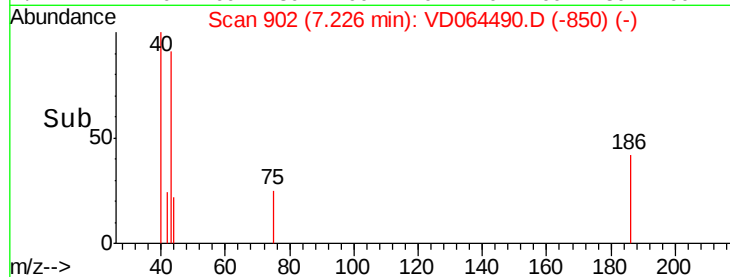
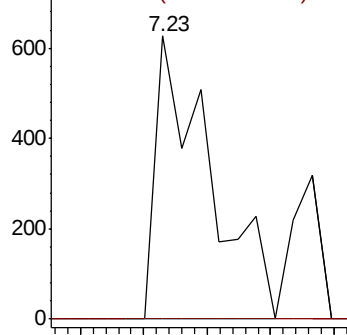
Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



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



#29

Tetrahydrofuran

Concen: 1.412 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD064490.D

Acq: 10 Dec 2019 18:16

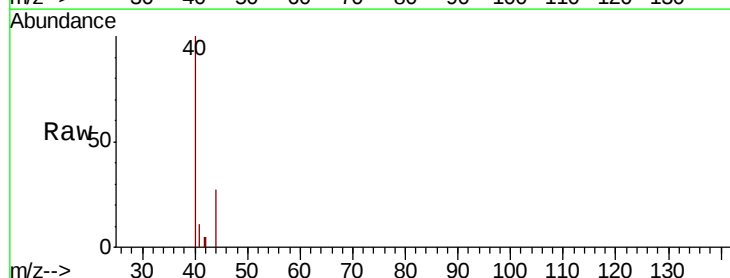
Tgt Ion: 42 Resp: 352

Ion Ratio Lower Upper

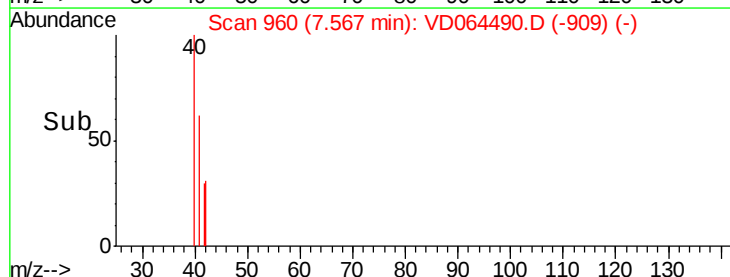
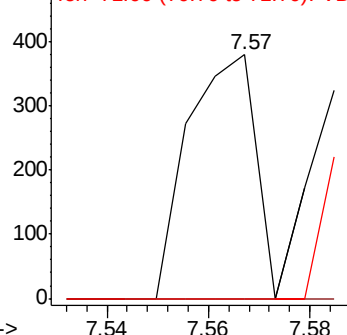
42 100

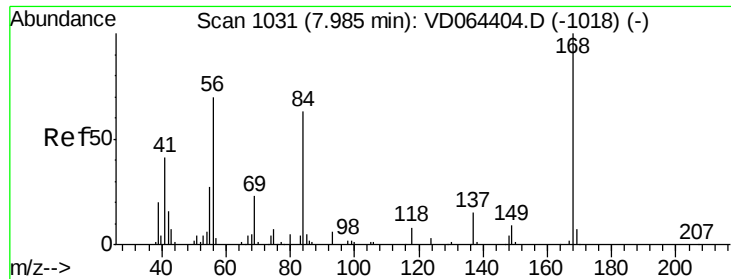
72 0.0 35.8 53.8#

71 0.0 32.7 49.1#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

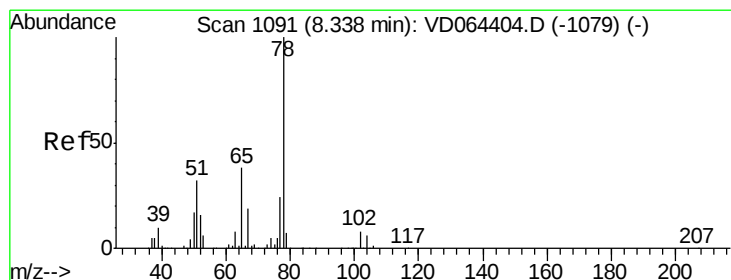
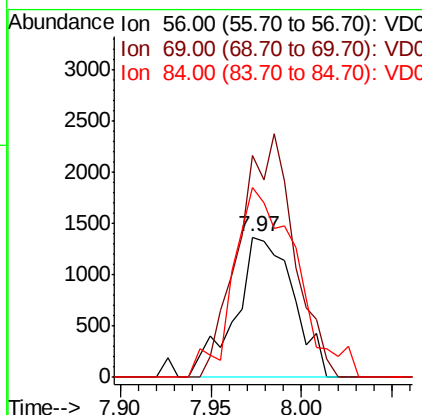
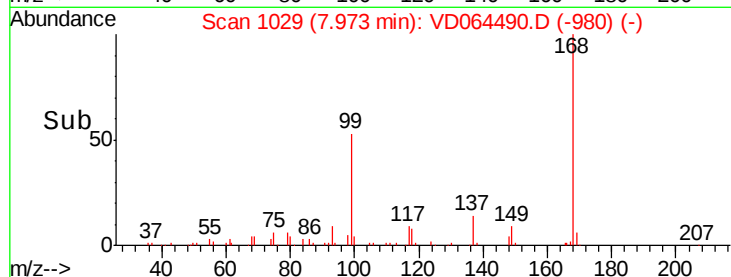
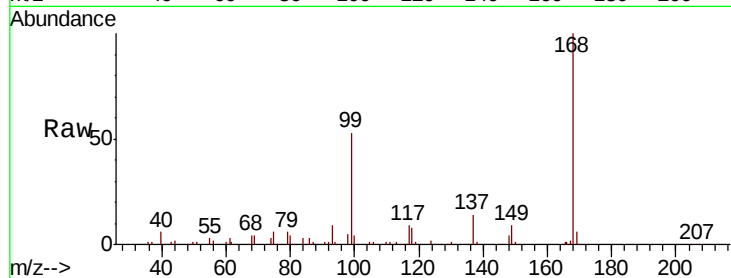




#31
Cyclohexane
Concen: Below Cal
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD064490.D
Acq: 10 Dec 2019 18:16

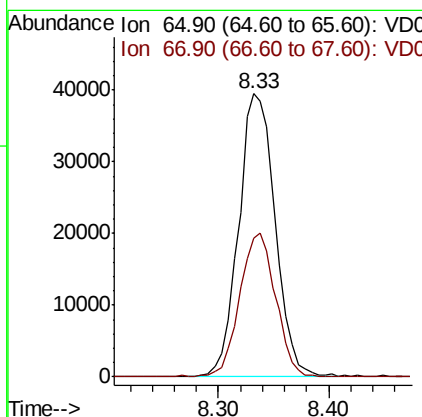
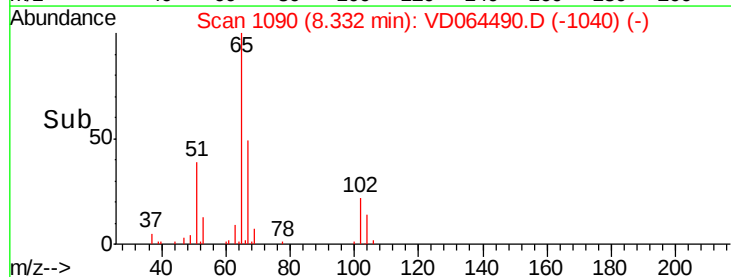
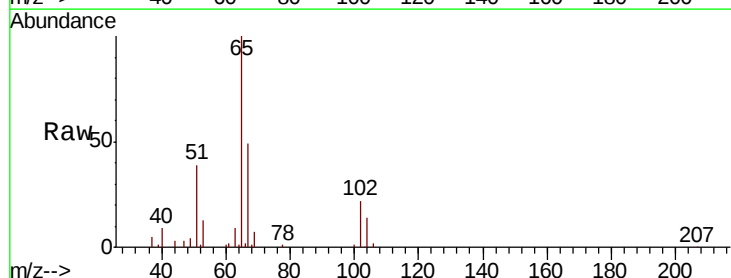
Instrument :
MSVOA_D
ClientSampleId :

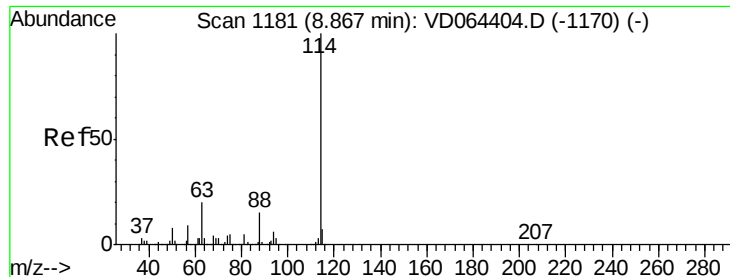
Tot Ion: 56 Resp: 3052
Ion Ratio Lower Upper
56 100
69 158.2 26.2 39.4#
84 135.2 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 66.922 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064490.D
Acq: 10 Dec 2019 18:16

Tgt Ion: 65 Resp: 91772
Ion Ratio Lower Upper
65 100
67 50.0 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064490.D

Acq: 10 Dec 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

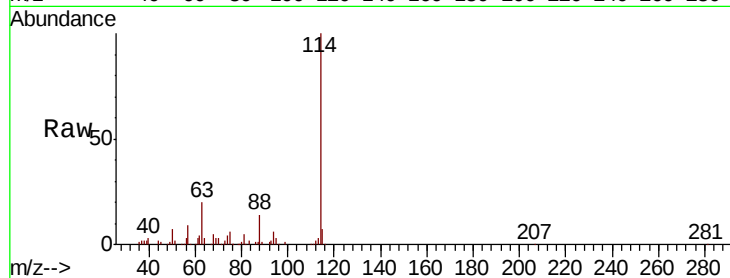
Tot Ion:114 Resp: 231360

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

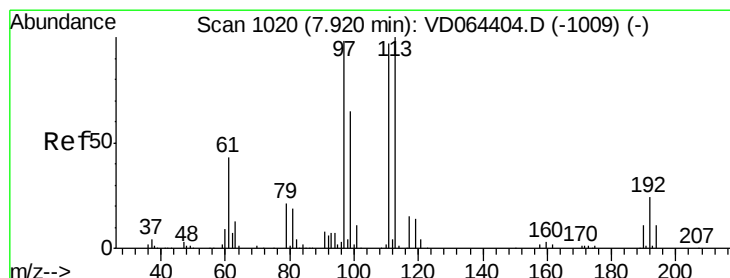
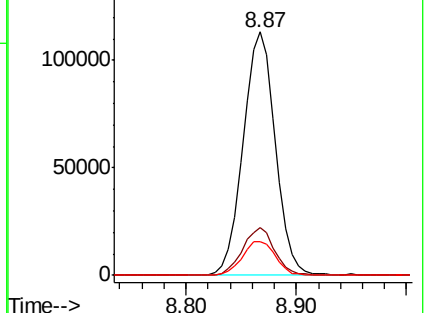
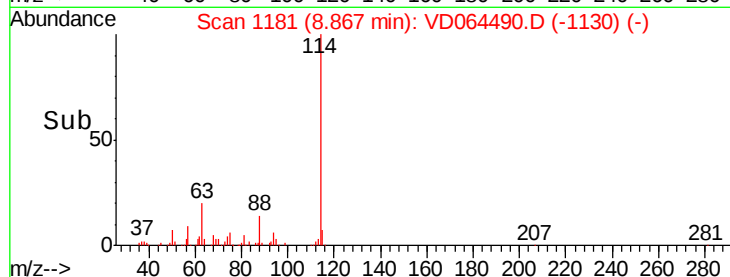
88 14.1 0.0 29.2



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: 55.122 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064490.D

Acq: 10 Dec 2019 18:16

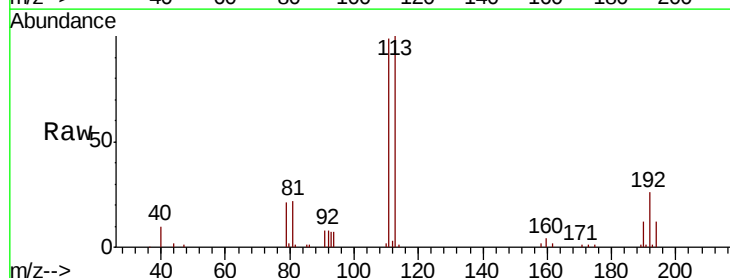
Tgt Ion:113 Resp: 80351

Ion Ratio Lower Upper

113 100

111 101.1 79.4 119.2

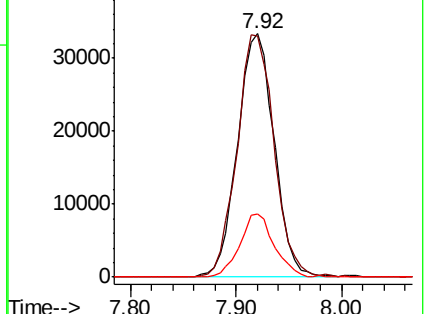
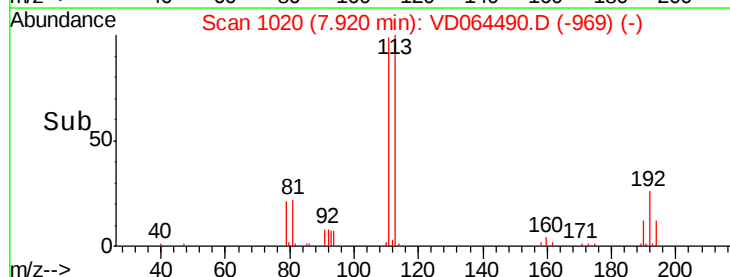
192 24.3 18.6 28.0

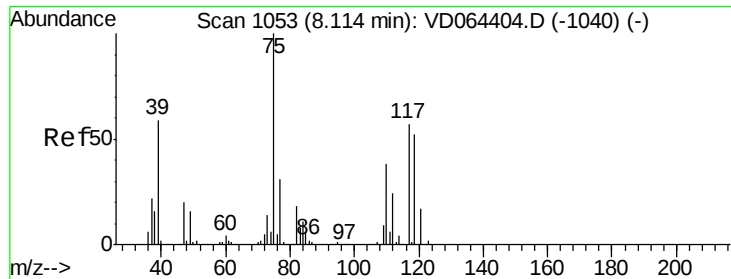


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

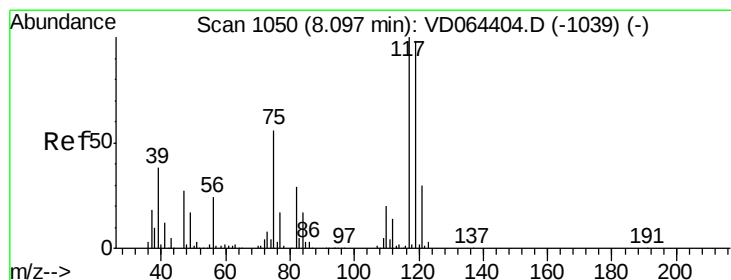
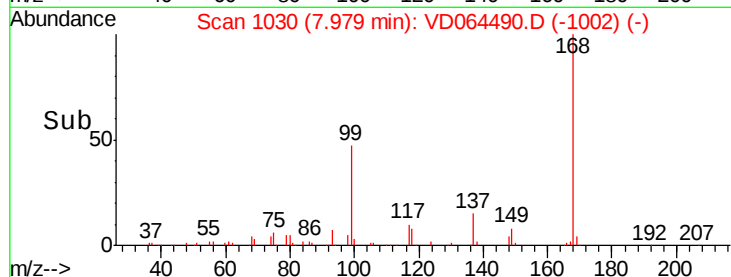
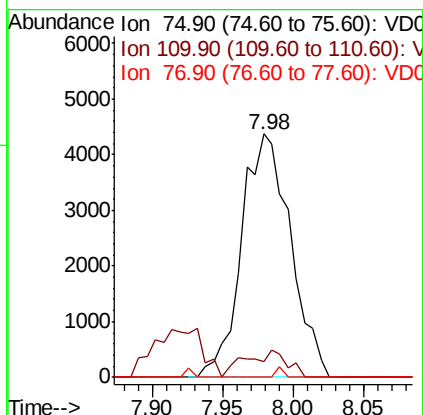
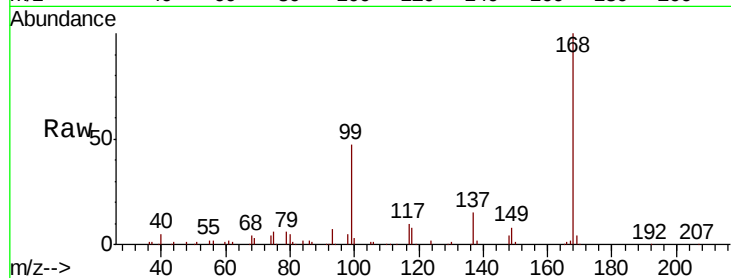




#36
 1,1-Dichloropropene
 Concen: 4.835 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064490.D
 Acq: 10 Dec 2019 18:16

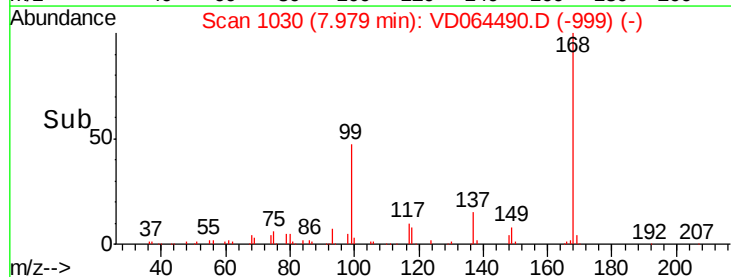
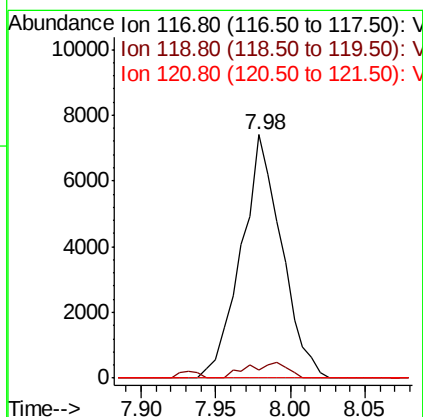
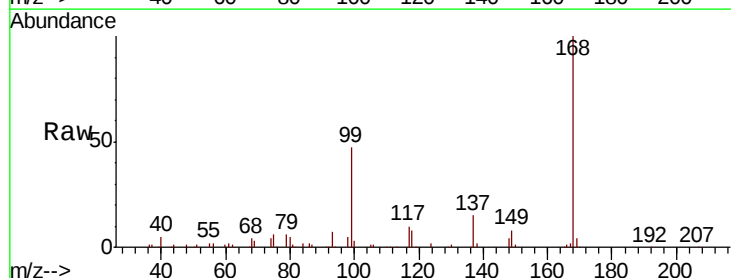
Instrument :
 MSVOA_D
 ClientSampleId :

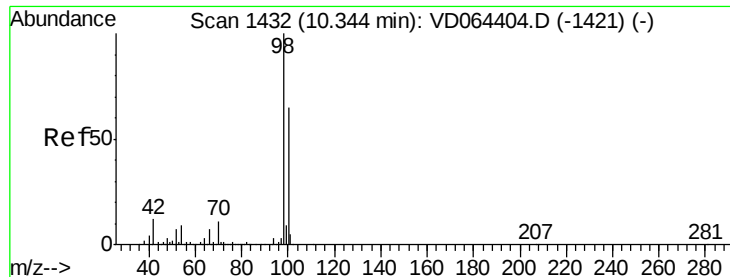
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.6	55.8#
77	0.6	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.002 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD064490.D
 Acq: 10 Dec 2019 18:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.3	78.8	118.2#
121	0.0	24.2	36.2#

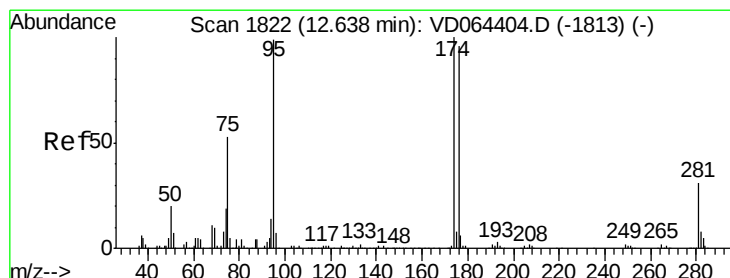
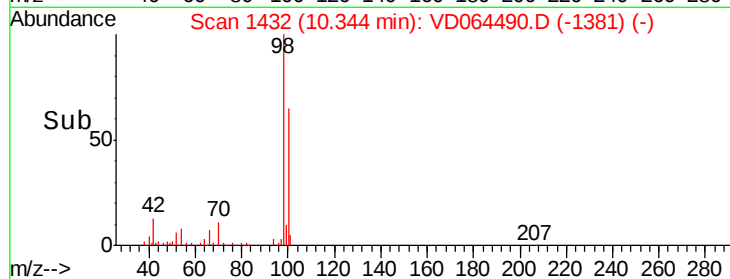
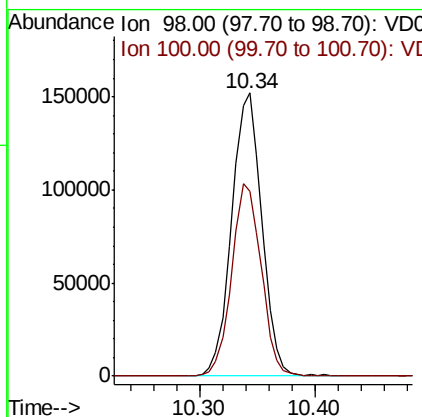
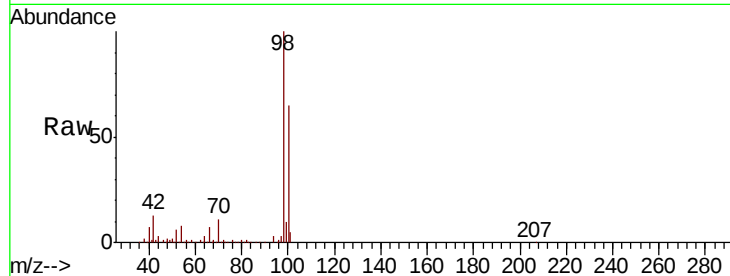




#50
Toluene-d8
Concen: 50.246 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064490.D
Acq: 10 Dec 2019 18:16

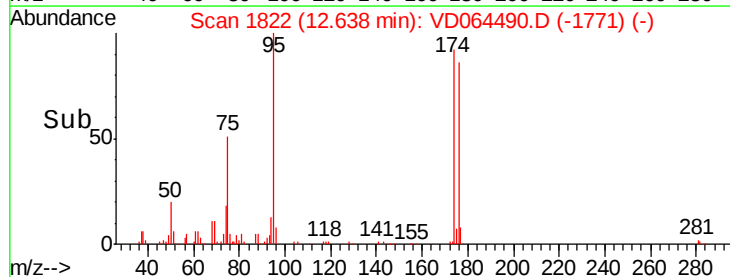
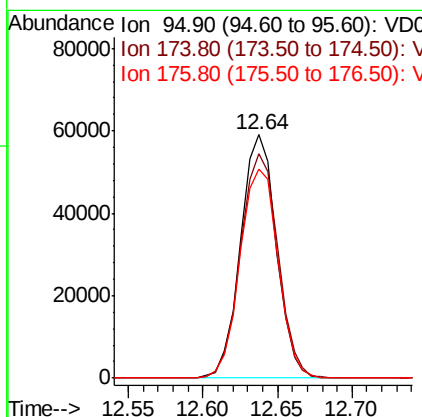
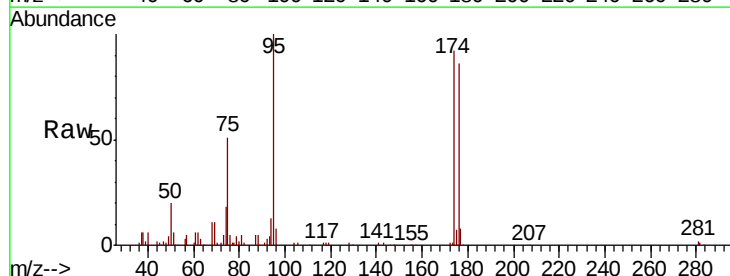
Instrument :
MSVOA_D
ClientSampleId :

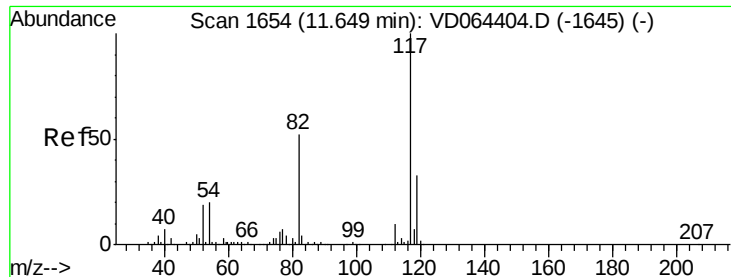
Tot Ion: 98 Resp: 275898
Ion Ratio Lower Upper
98 100
100 66.5 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 55.383 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064490.D
Acq: 10 Dec 2019 18:16

Tgt Ion: 95 Resp: 97730
Ion Ratio Lower Upper
95 100
174 96.9 0.0 197.2
176 91.5 0.0 189.6

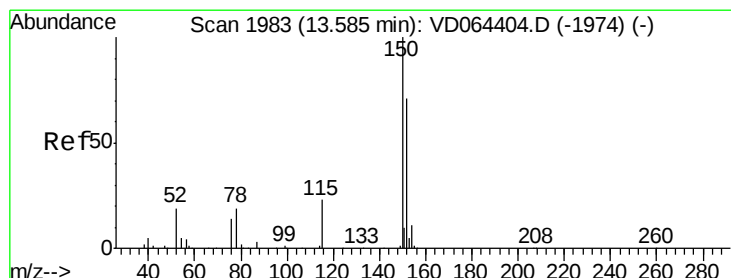
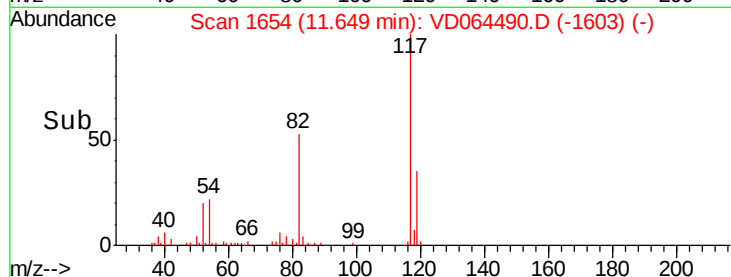
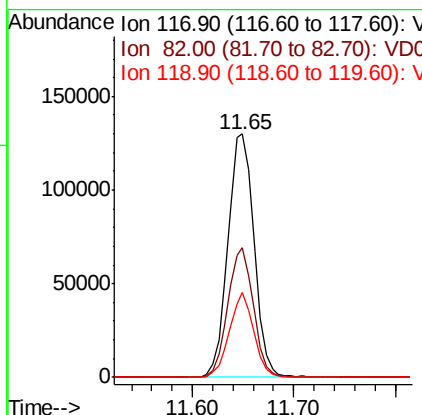
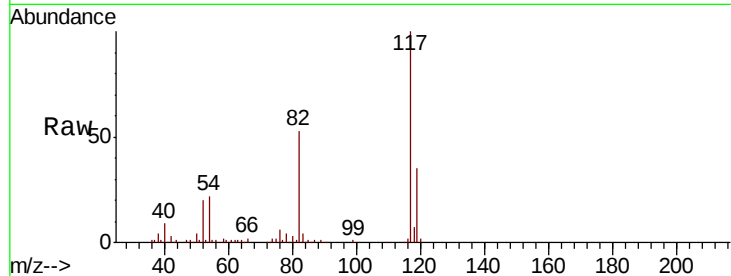




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064490.D
Acq: 10 Dec 2019 18:16

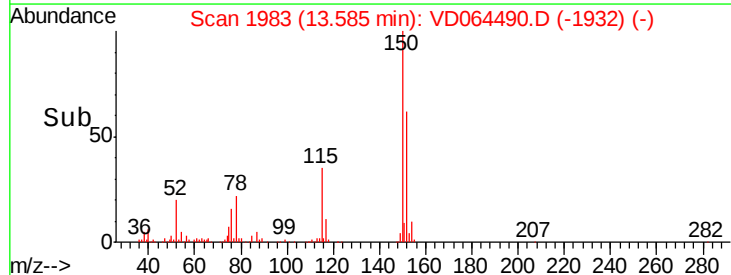
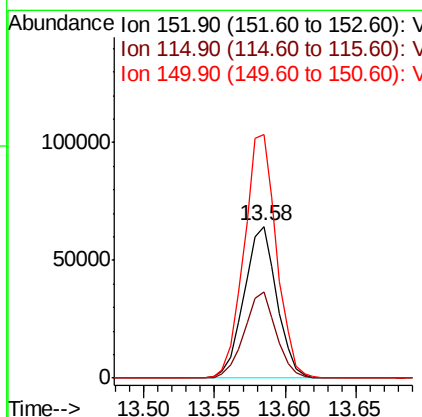
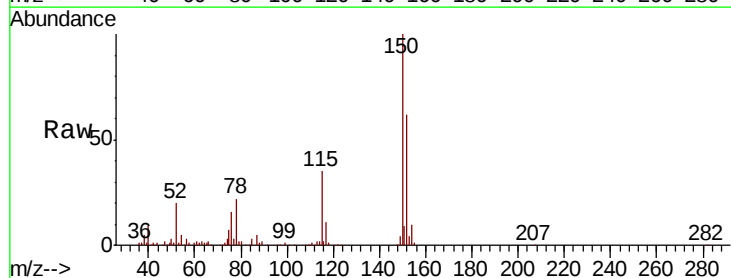
Instrument :
MSVOA_D
ClientSampleId :

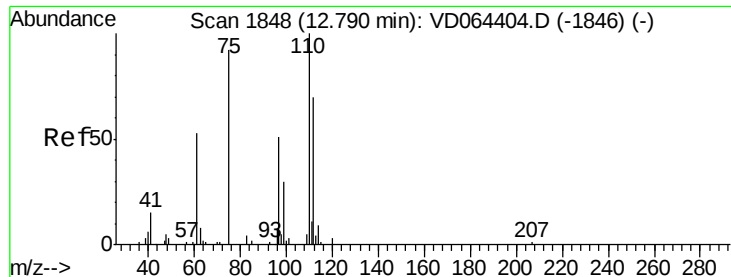
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	41.4	62.2
119	34.9	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064490.D
Acq: 10 Dec 2019 18:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	26.7	80.1
150	159.2	0.0	347.2





#76

1,2,3-Trichloropropane

Concen: 59.065 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064490.D

Acq: 10 Dec 2019 18:16

Instrument :

MSVOA_D

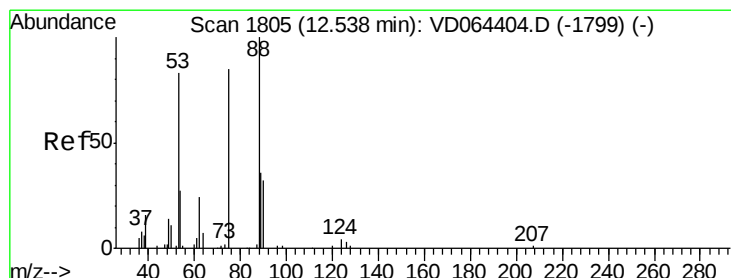
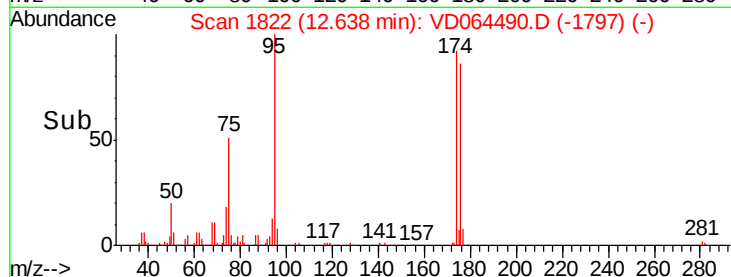
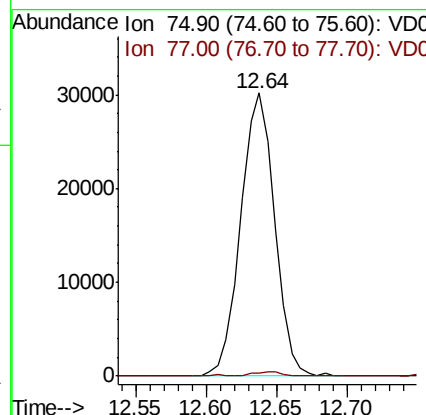
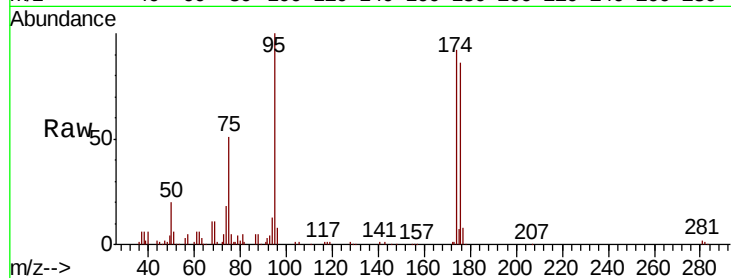
ClientSampleId :

Tot Ion: 75 Resp: 50675

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.793 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064490.D

Acq: 10 Dec 2019 18:16

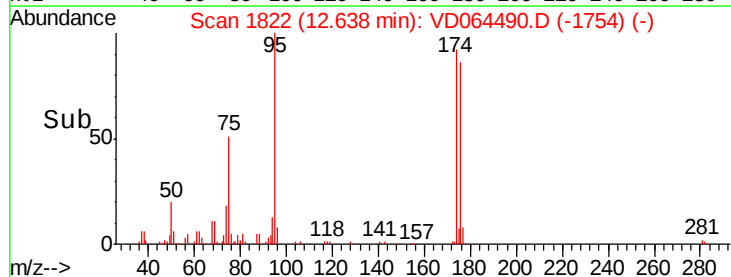
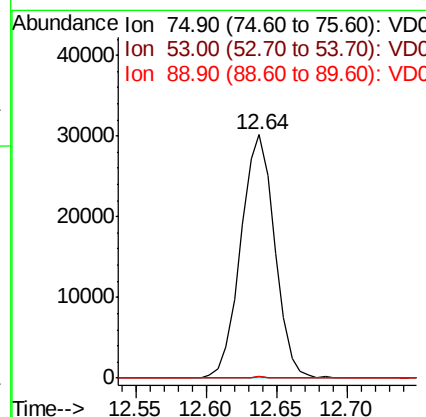
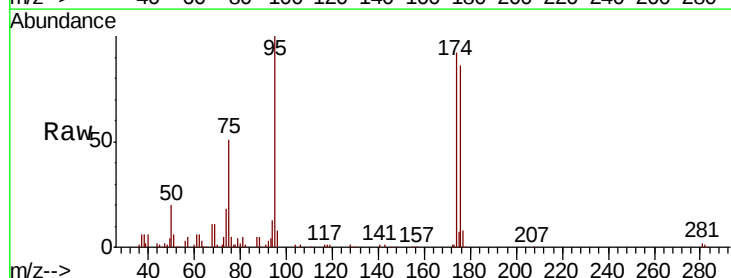
Tgt Ion: 75 Resp: 50675

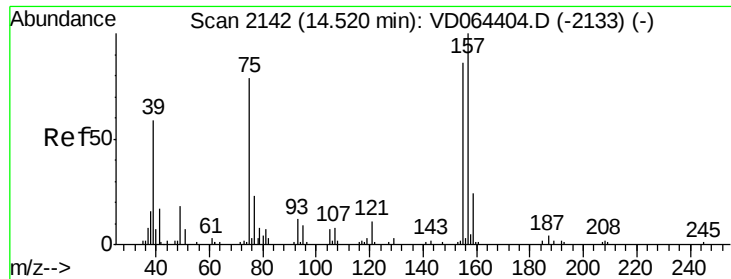
Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.2 38.5 57.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.53 min Scan# 2144

Delta R.T. 0.01 min

Lab File: VD064490.D

Acq: 10 Dec 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

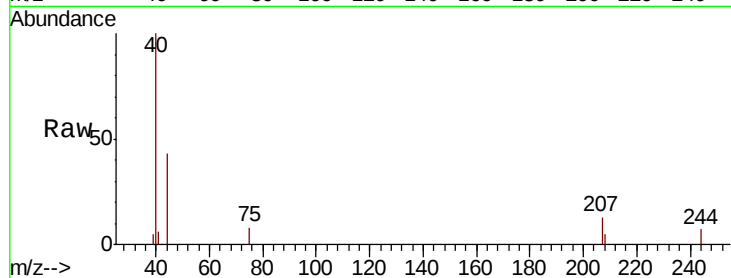
Tot Ion: 75 Resp: 112

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

157 0.0 63.2 189.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

