

Data File : VD064497.D
Acq On : 11 Dec 2019 13:22
Operator : VA/SY
Sample : K6242-07RE
Misc : 5.09G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-04-11.5-12.0

Quant Time: Dec 12 03:05:17 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	430911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	643760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	583148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256136	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	165320	42.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.78%	
35) Dibromofluoromethane	7.92	113	193293	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
50) Toluene-d8	10.34	98	769132	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.64	95	238011	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	

Target Compounds

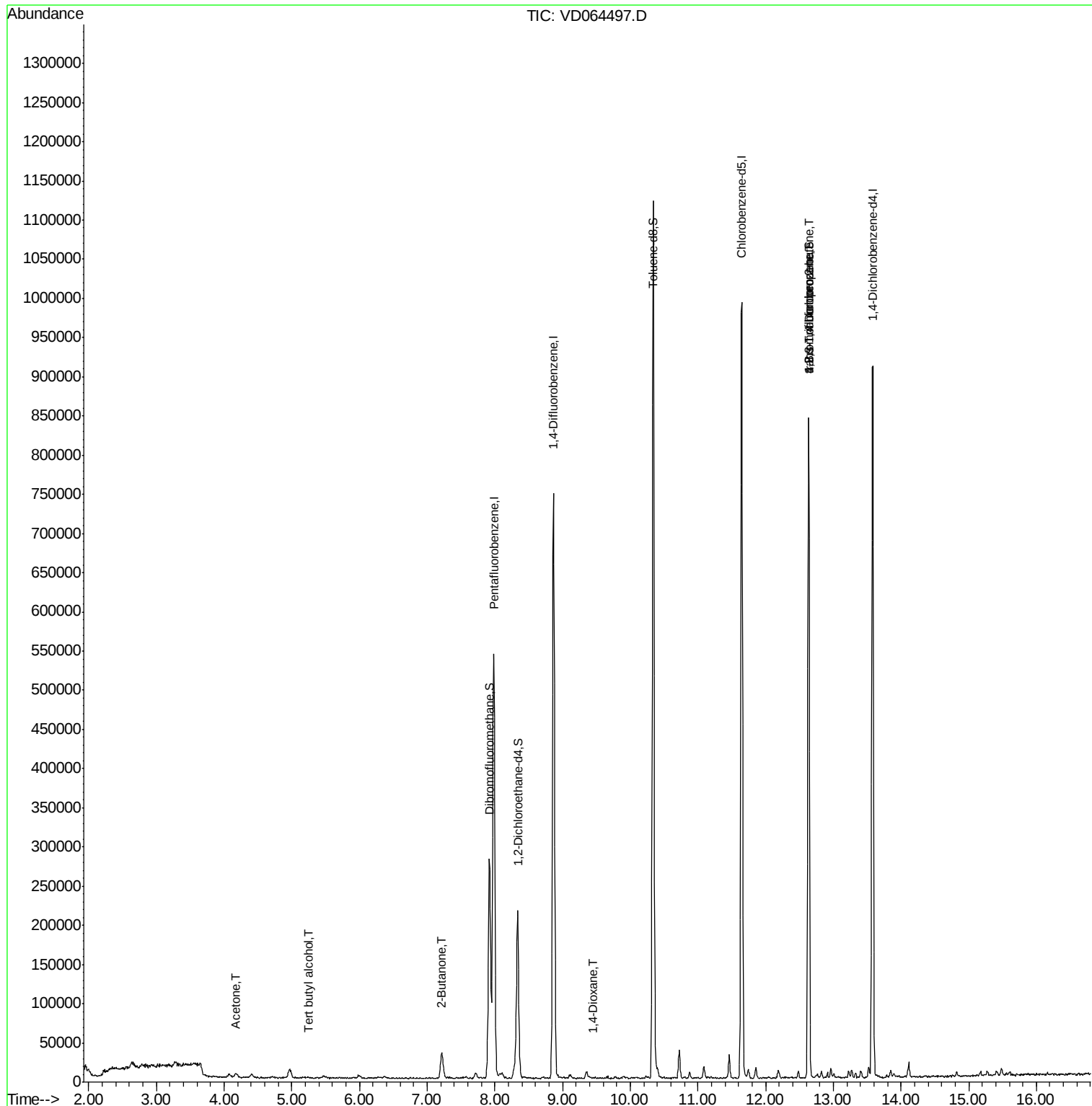
						Qvalue
11) Tert butyl alcohol	5.25	59	949	3.822	ug/l #	100
16) Acetone	4.17	43	10546	13.380	ug/l #	89
20) Methylene Chloride	4.97	84	8195	Below Cal	#	87
25) 2-Butanone	7.21	43	2181	1.957	ug/l #	81
31) Cyclohexane	7.98	56	11580	Below Cal	#	32
49) 1,4-Dioxane	9.46	88	57	2.022	ug/l #	25
76) 1,2,3-Trichloropropane	12.64	75	127615	60.585	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	127615	132.107	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.48	75	74	Below Cal	#	1

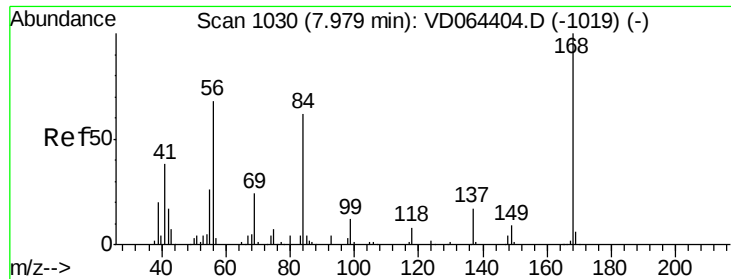
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064497.D

Acq: 11 Dec 2019 13:22

Instrument :

MSVOA_D

ClientSampleId :

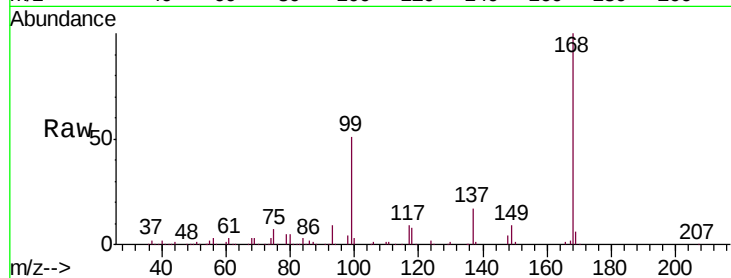
SB-04-11.5-12.0

Tgt Ion:168 Resp: 430911

Ion Ratio Lower Upper

168 100

99 50.8 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

200000

150000

100000

50000

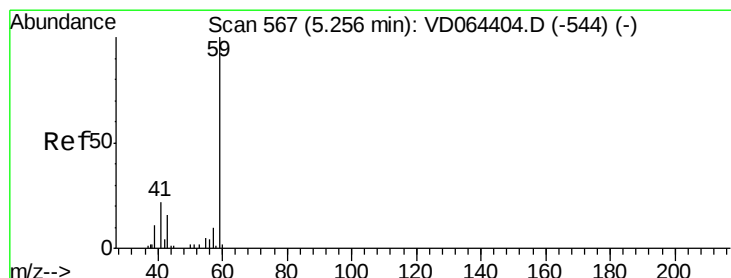
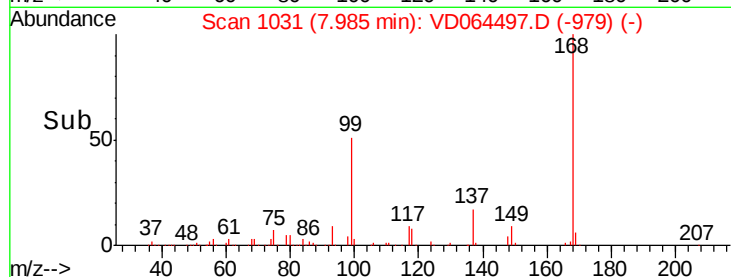
0

Time-->

7.90

8.00

8.10



#11

Tert butyl alcohol

Concen: 3.822 ug/l

RT: 5.25 min Scan# 566

Delta R.T. -0.01 min

Lab File: VD064497.D

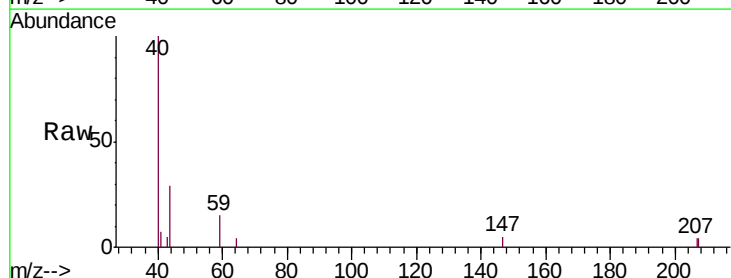
Acq: 11 Dec 2019 13:22

Tgt Ion: 59 Resp: 949

Ion Ratio Lower Upper

59 100

57 8.6 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.25

600

500

400

300

200

100

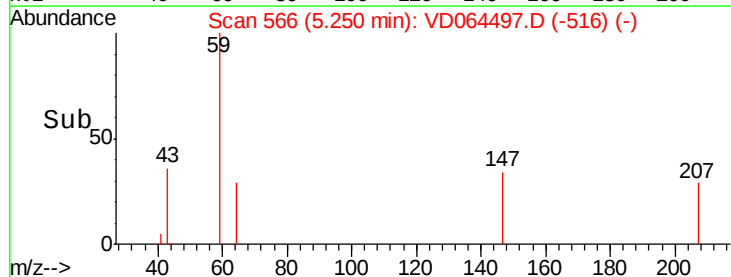
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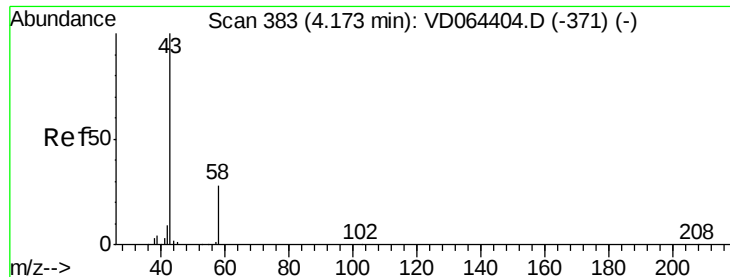
Time-->

5.20

5.25

5.30





#16

Acetone

Concen: 13.380 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064497.D

Acq: 11 Dec 2019 13:22

Instrument :

MSVOA_D

ClientSampleId :

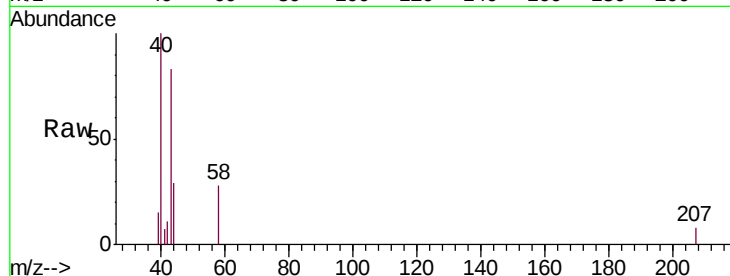
SB-04-11.5-12.0

Tgt Ion: 43 Resp: 10546

Ion Ratio Lower Upper

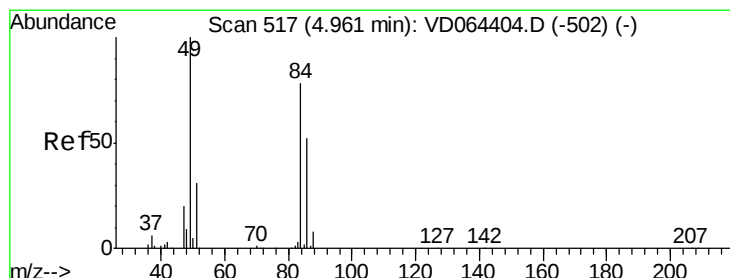
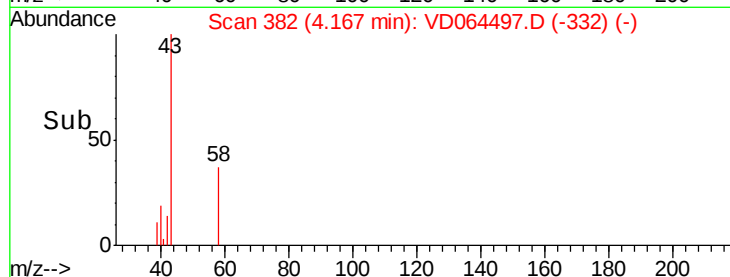
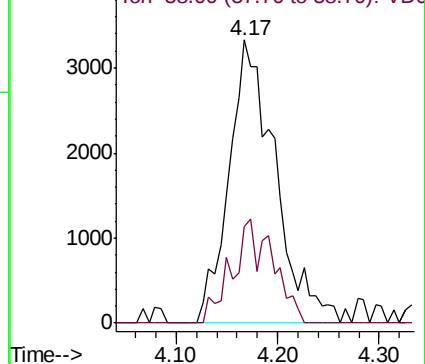
43 100

58 34.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064497.D

Acq: 11 Dec 2019 13:22

Tgt Ion: 84 Resp: 8195

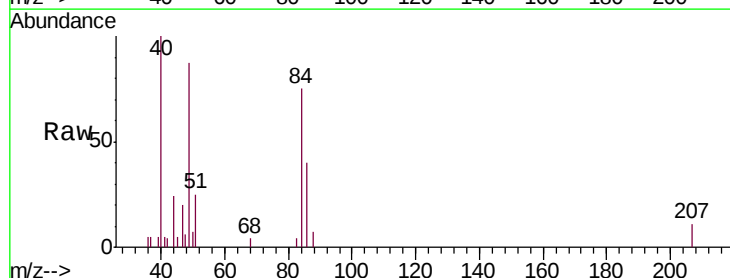
Ion Ratio Lower Upper

84 100

49 116.1 102.6 153.8

51 32.9 32.0 48.0

86 53.0 53.4 80.0#

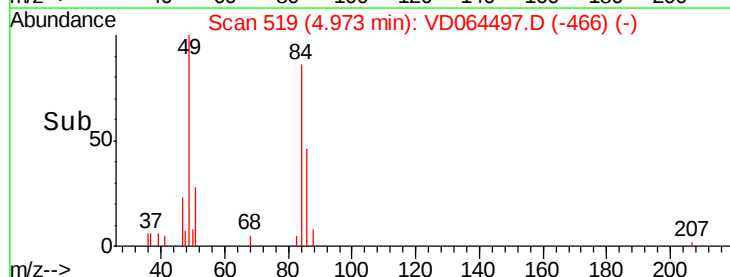
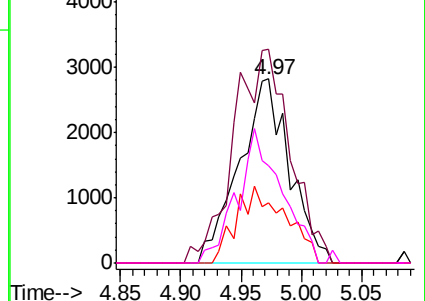


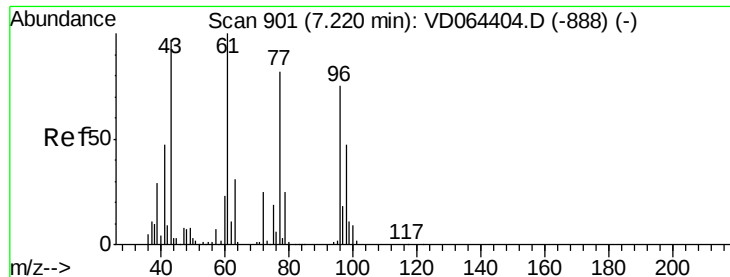
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.957 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064497.D

Acq: 11 Dec 2019 13:22

Instrument :

MSVOA_D

ClientSampleId :

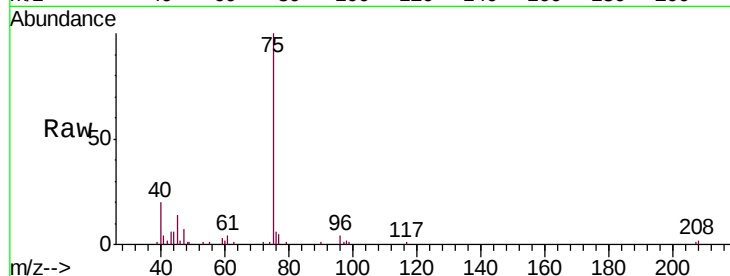
SB-04-11.5-12.0

Tgt Ion: 43 Resp: 2181

Ion Ratio Lower Upper

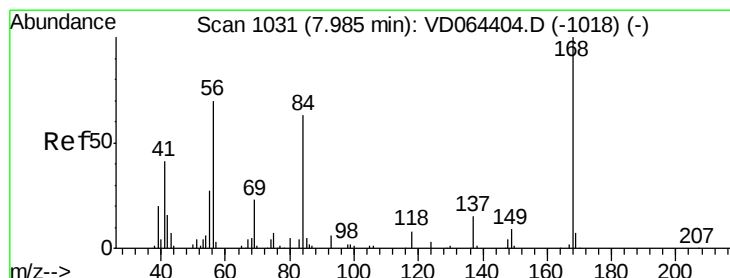
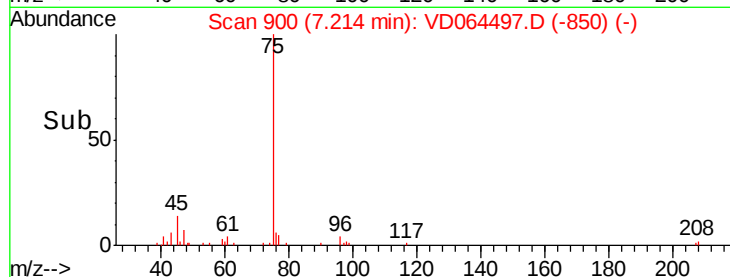
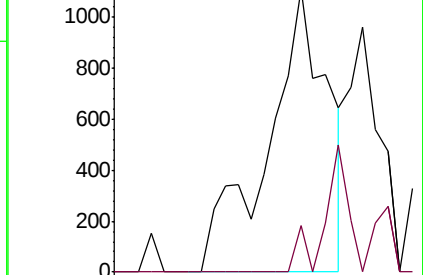
43 100

72 16.3 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# 1030

Delta R.T. -0.01 min

Lab File: VD064497.D

Acq: 11 Dec 2019 13:22

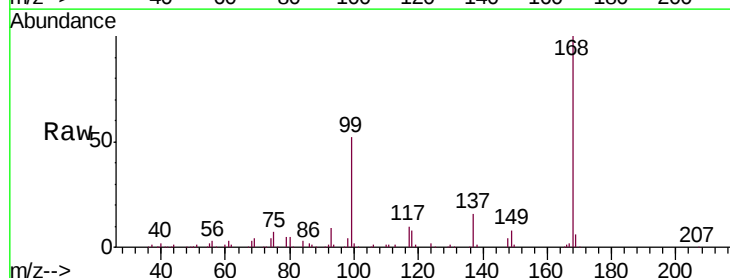
Tgt Ion: 56 Resp: 11580

Ion Ratio Lower Upper

56 100

69 127.0 26.2 39.4#

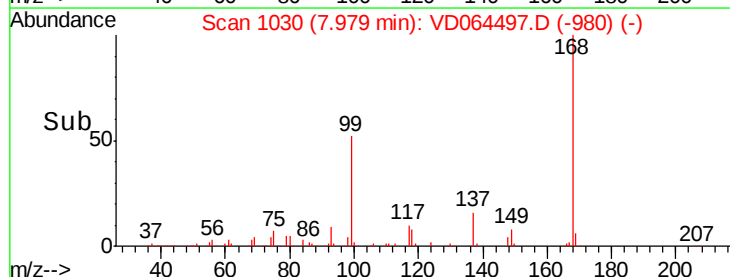
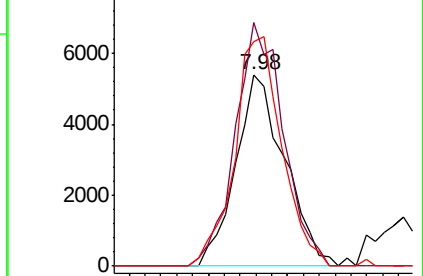
84 116.9 70.3 105.5#

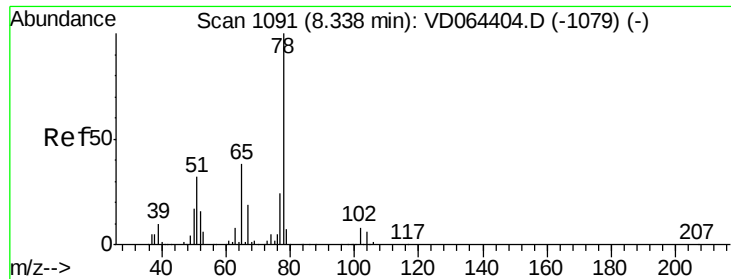


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

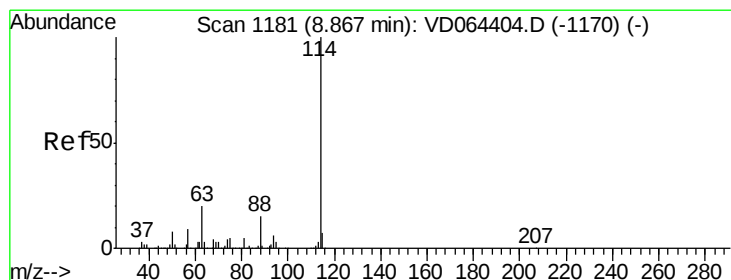
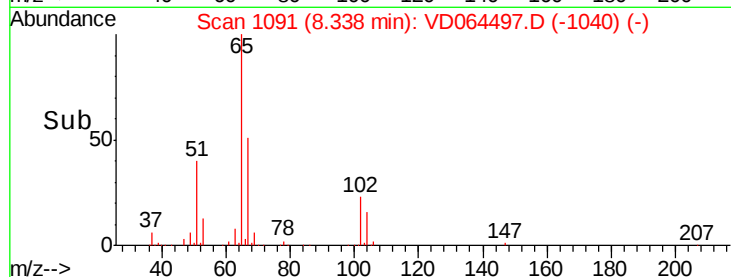
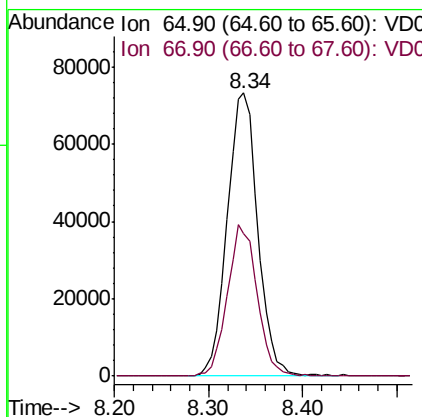
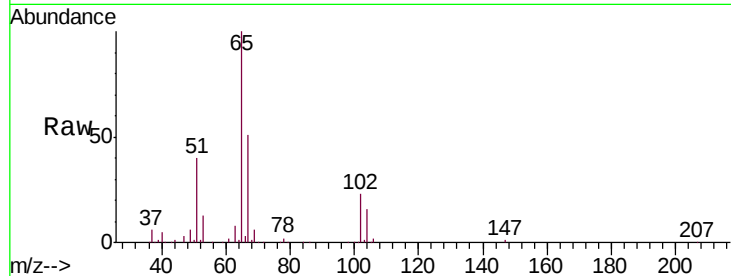




#33
 1,2-Dichloroethane-d4
 Concen: 42.386 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064497.D
 Acq: 11 Dec 2019 13:22

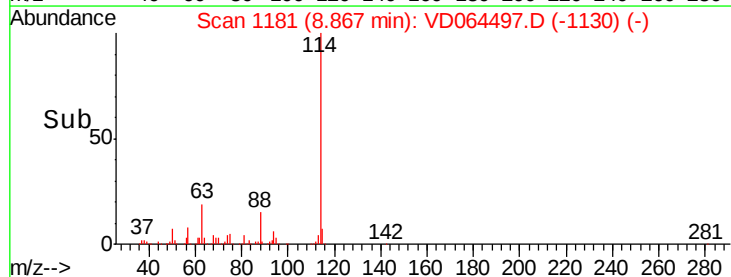
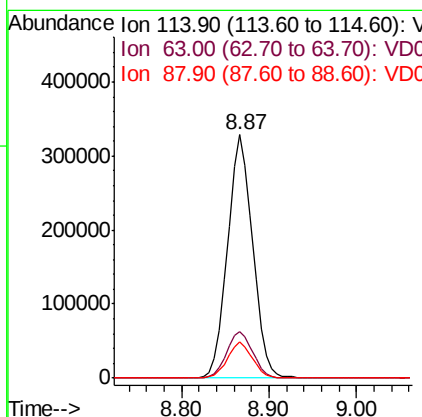
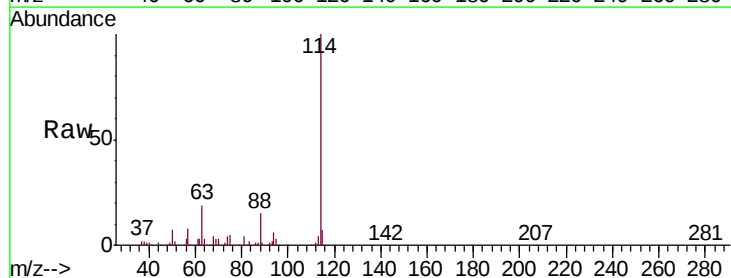
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-11.5-12.0

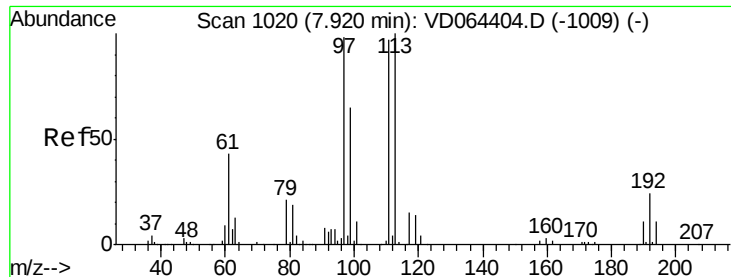
Tgt Ion: 65 Resp: 165320
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064497.D
 Acq: 11 Dec 2019 13:22

Tgt Ion: 114 Resp: 643760
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 14.7 0.0 29.2





#35

Dibromofluoromethane

Concen: 47.656 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064497.D

Acq: 11 Dec 2019 13:22

Instrument :

MSVOA_D

ClientSampleId :

SB-04-11.5-12.0

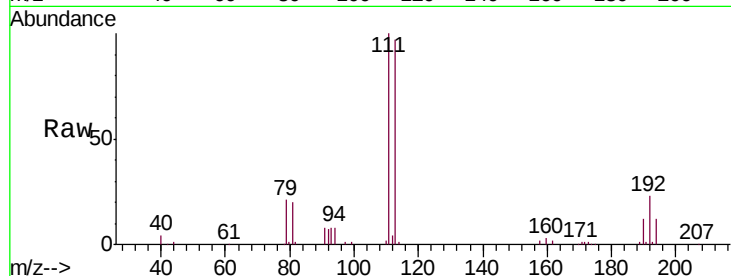
Tgt Ion: 113 Resp: 193293

Ion Ratio Lower Upper

113 100

111 102.2 79.4 119.2

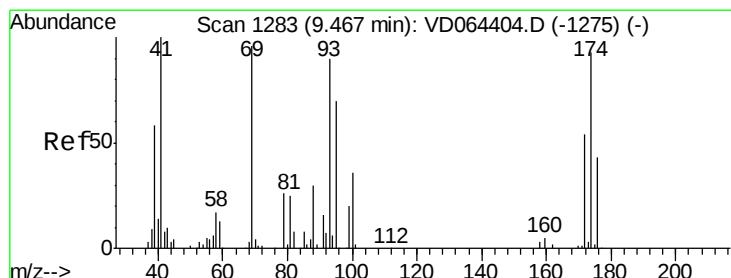
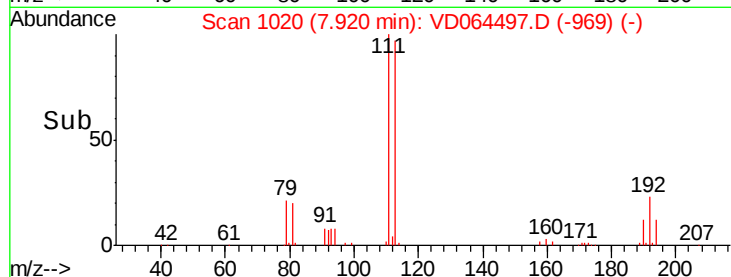
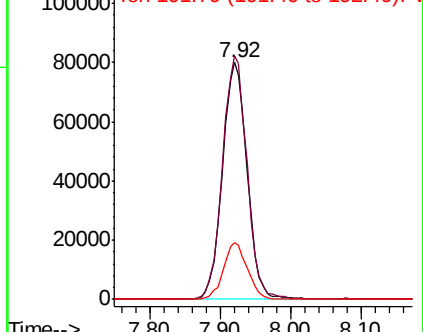
192 23.0 18.6 28.0



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



#49

1,4-Dioxane

Concen: 2.022 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064497.D

Acq: 11 Dec 2019 13:22

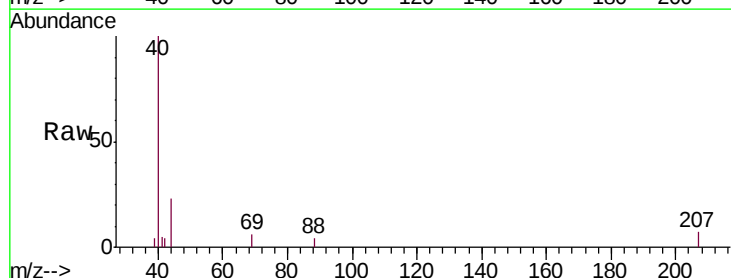
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 0.0 26.7 40.1#

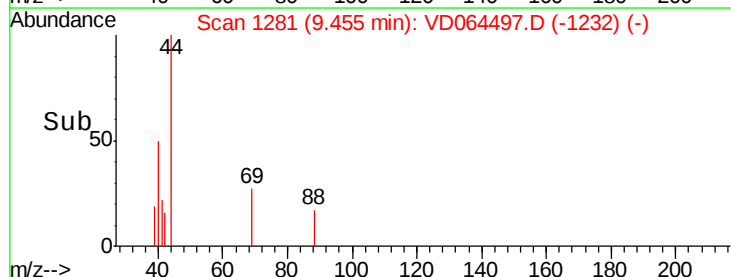
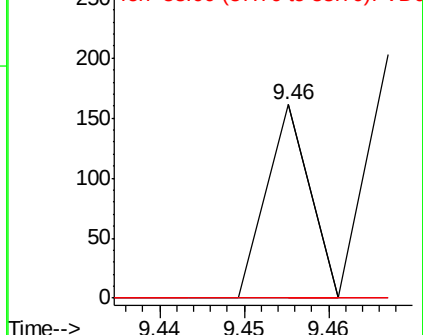
58 0.0 52.3 78.5#

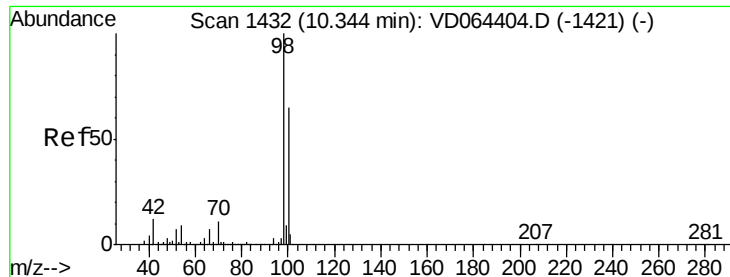


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

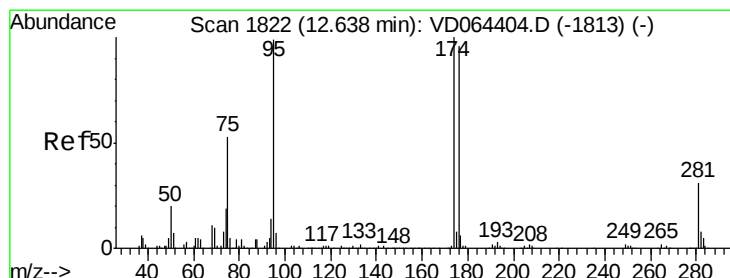
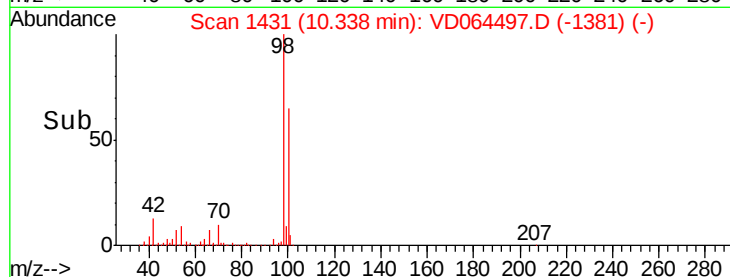
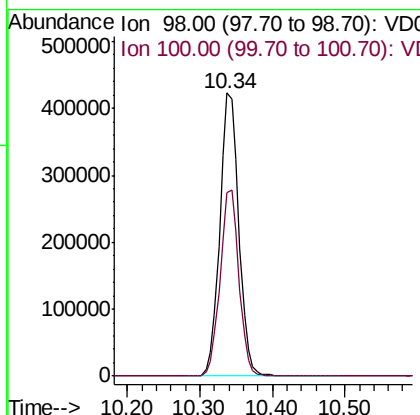
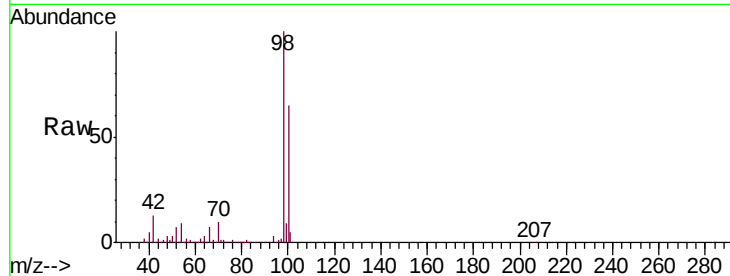




#50
Toluene-d8
Concen: 50.341 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064497.D
Acq: 11 Dec 2019 13:22

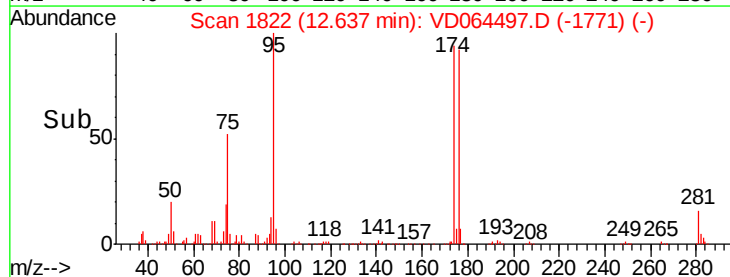
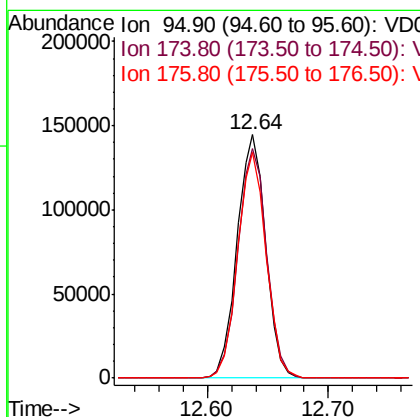
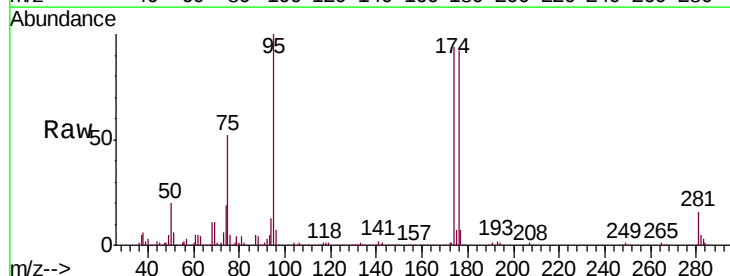
Instrument :
MSVOA_D
ClientSampleId :
SB-04-11.5-12.0

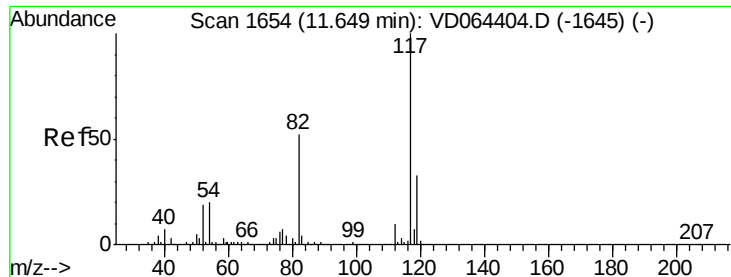
Tgt Ion: 98 Resp: 769132
Ion Ratio Lower Upper
98 100
100 65.2 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 48.474 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064497.D
Acq: 11 Dec 2019 13:22

Tgt Ion: 95 Resp: 238011
Ion Ratio Lower Upper
95 100
174 95.0 0.0 197.2
176 92.4 0.0 189.6

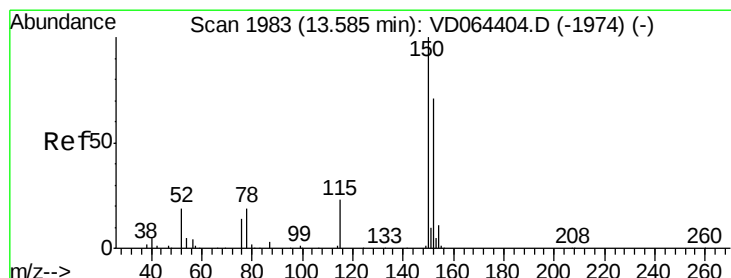
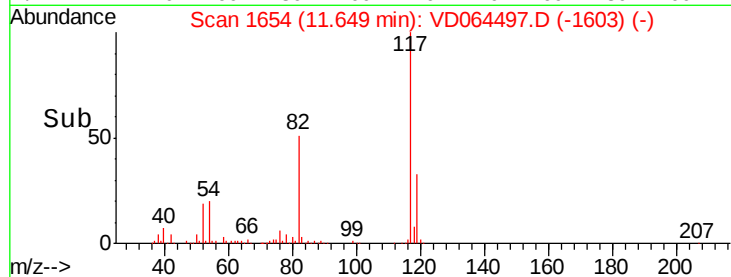
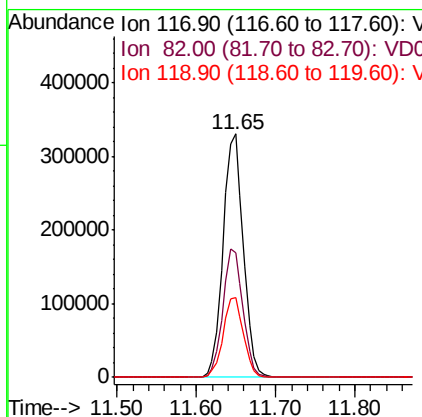
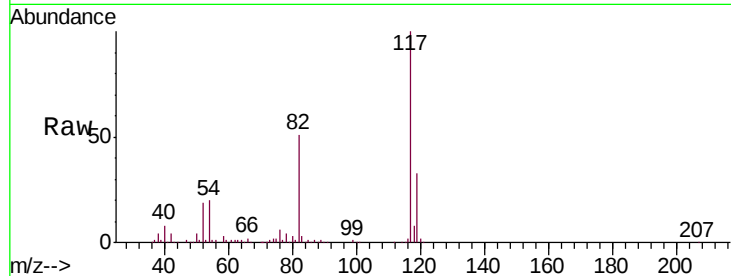




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064497.D
Acq: 11 Dec 2019 13:22

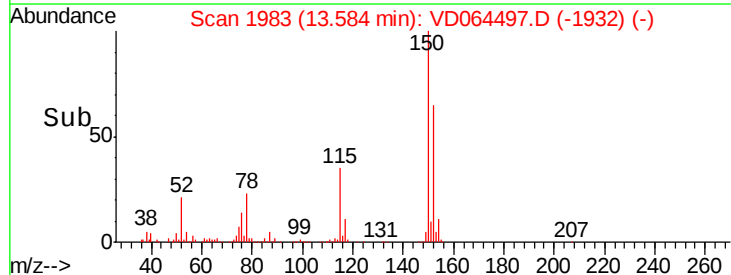
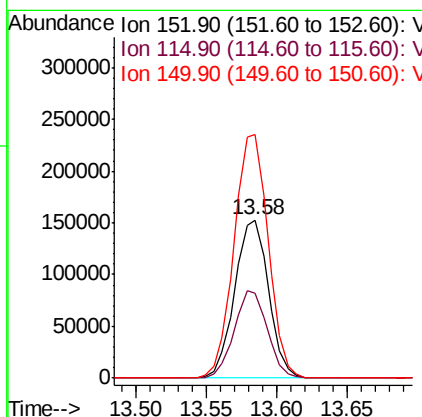
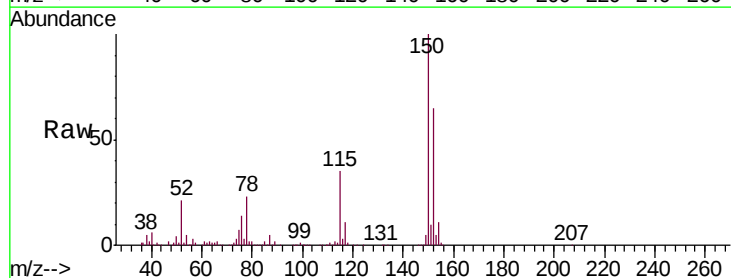
Instrument :
MSVOA_D
ClientSampleId :
SB-04-11.5-12.0

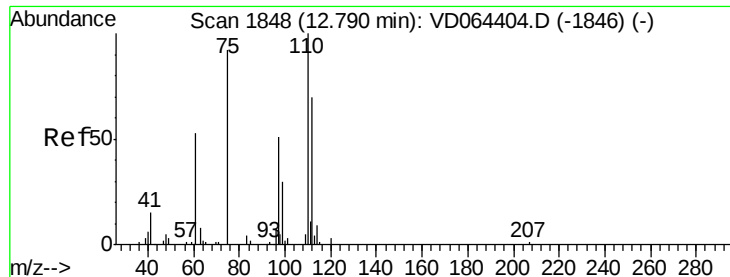
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.4	62.2
119	32.8	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064497.D
Acq: 11 Dec 2019 13:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	26.7	80.1
150	155.3	0.0	347.2

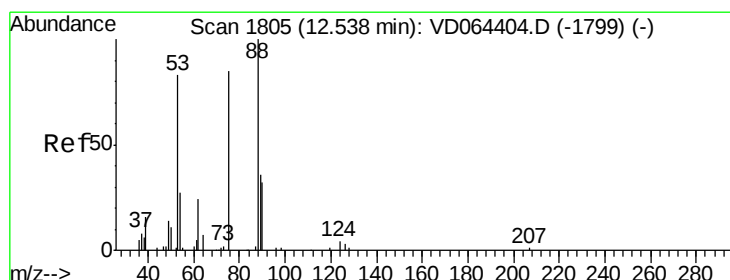
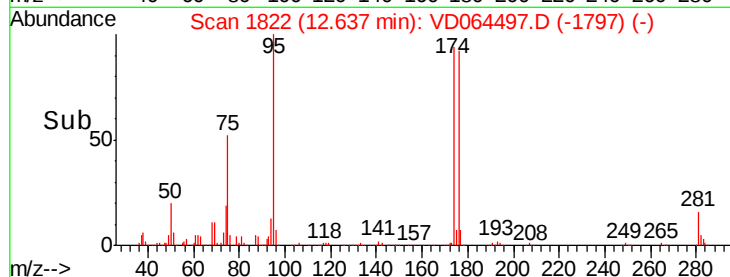
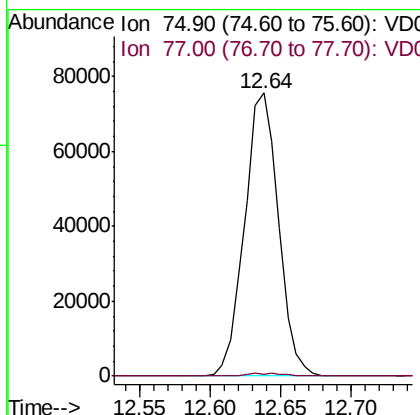
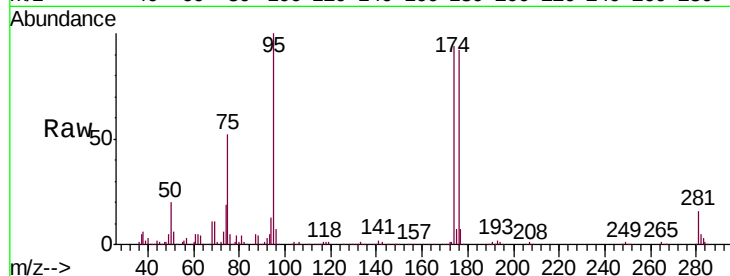




#76
 1,2,3-Trichloropropane
 Concen: 60.585 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064497.D
 Acq: 11 Dec 2019 13:22

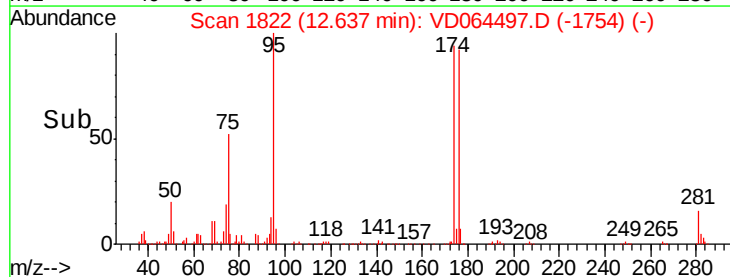
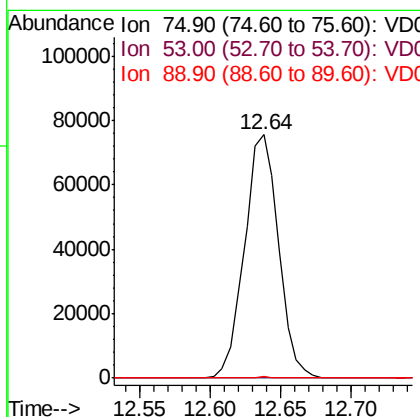
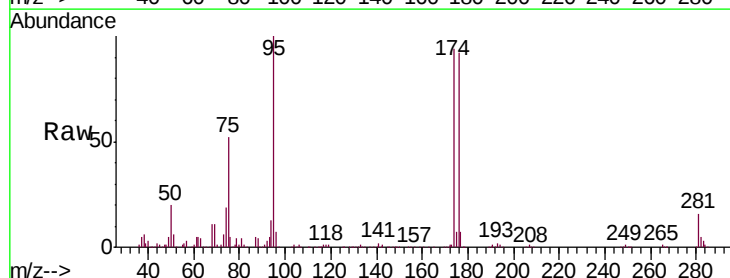
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-11.5-12.0

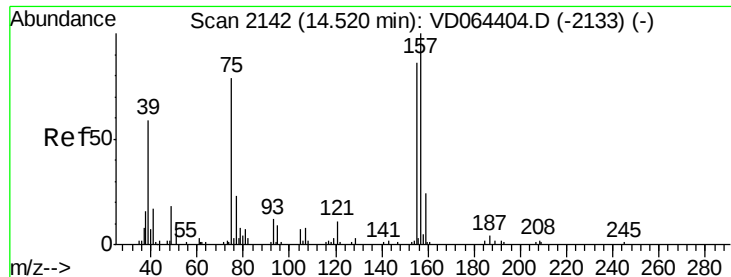
Tgt Ion: 75 Resp: 127615
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.107 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD064497.D
 Acq: 11 Dec 2019 13:22

Tgt Ion: 75 Resp: 127615
 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: 14.48 min Scan# 2136

Delta R.T. -0.03 min

Lab File: VD064497.D

Acq: 11 Dec 2019 13:22

Instrument :

MSVOA_D

ClientSampleId :

SB-04-11.5-12.0

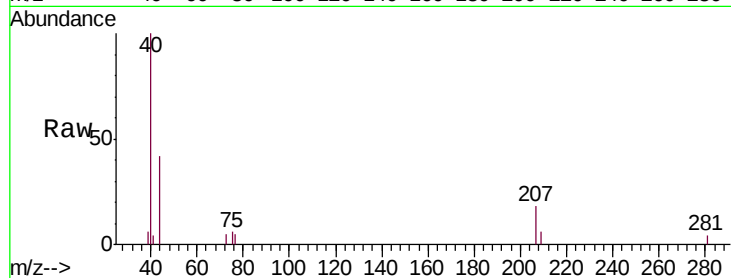
Tgt Ion: 75 Resp: 74

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

