

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
 Data File : VD060507.D
 Acq On : 6 Dec 2018 16:04
 Operator : VA/AP
 Sample : J6199-01
 Misc : 6.68g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 07 03:37:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1425554	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1989887	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1508326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	676264	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	445312	44.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.14%	
35) Dibromofluoromethane	6.32	113	613088	41.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	83.90%	
50) Toluene-d8	9.45	98	1489282	35.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	70.42%	
62) 4-Bromofluorobenzene	12.43	95	555901	36.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	73.46%	

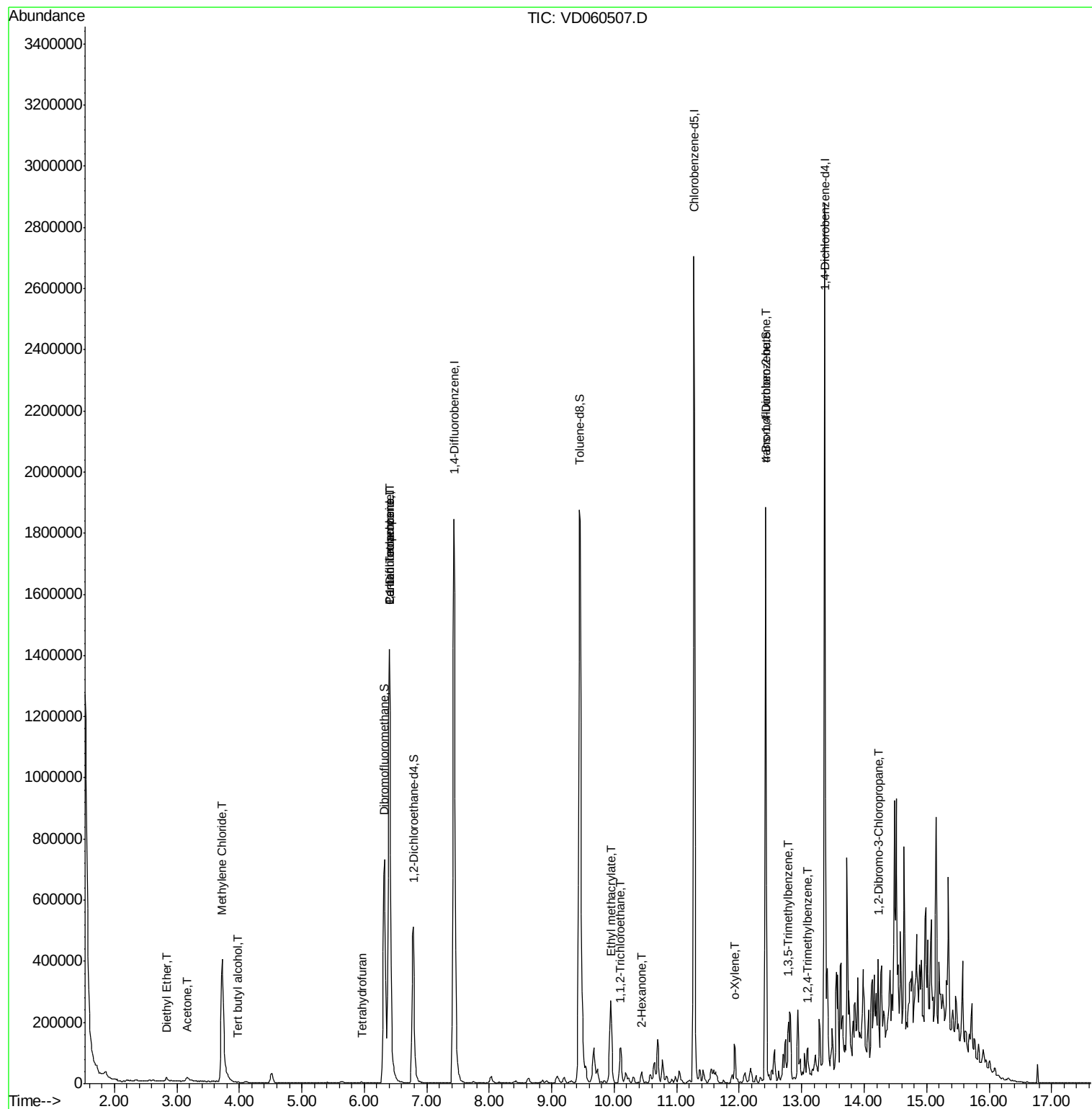
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.83	74	3601	1.545	ug/l	84
11) Tert butyl alcohol	3.97	59	1127	2.745	ug/l #	73
16) Acetone	3.17	43	31778	19.621	ug/l	92
20) Methylene Chloride	3.73	84	279062	15.696	ug/l	97
29) Tetrahydrofuran	5.95	42	2283	1.265	ug/l #	54
31) Cyclohexane	6.40	56	28272	Below Cal	#	1
36) 1,1-Dichloropropene	6.40	75	101319	5.209	ug/l #	48
38) Carbon Tetrachloride	6.40	117	110015	6.300	ug/l #	16
55) 1,1,2-Trichloroethane	10.10	97	56101	6.484	ug/l #	19
56) Ethyl methacrylate	9.95	69	38547	4.923	ug/l #	1
59) 2-Hexanone	10.44	43	19912	4.398	ug/l #	30
69) o-Xylene	11.92	106	26562	1.384	ug/l	83
80) 1,3,5-Trimethylbenzene	12.79	105	68355	1.869	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.42	75	227513	106.459	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.08	105	38597	1.019	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.22	75	1429	1.539	ug/l #	2

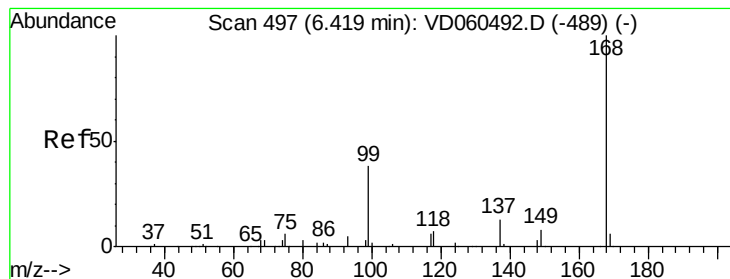
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060507.D

Acq: 6 Dec 2018 16:04

Instrument :

MSVOA_D

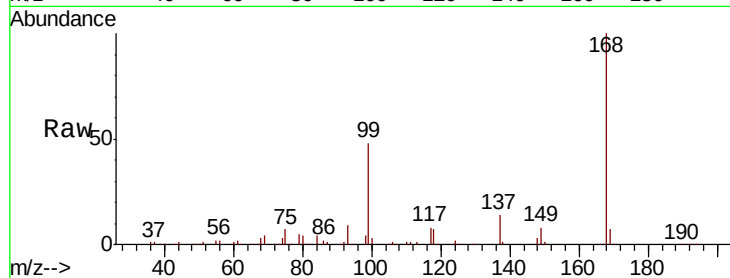
ClientSampleId :

Tot Ion:168 Resp: 1425554

Ion Ratio Lower Upper

168 100

99 48.3 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

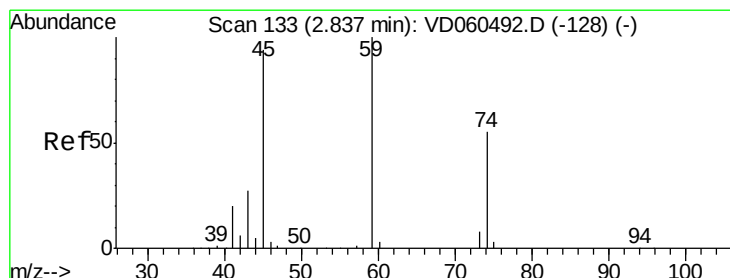
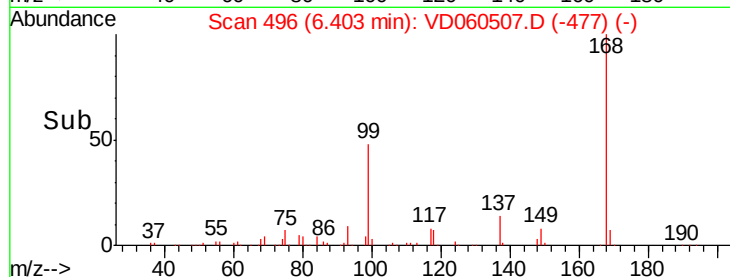
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 1.545 ug/l

RT: 2.83 min Scan# 133

Delta R.T. -0.01 min

Lab File: VD060507.D

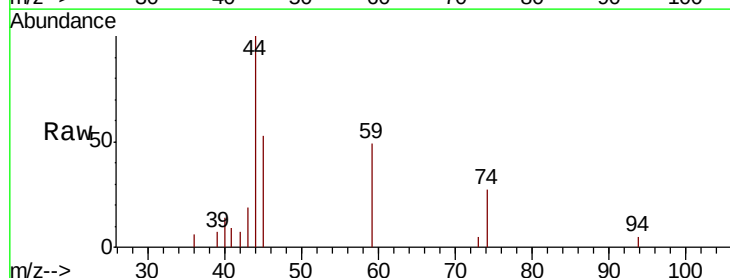
Acq: 6 Dec 2018 16:04

Tgt Ion: 74 Resp: 3601

Ion Ratio Lower Upper

74 100

45 194.2 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.83

4000

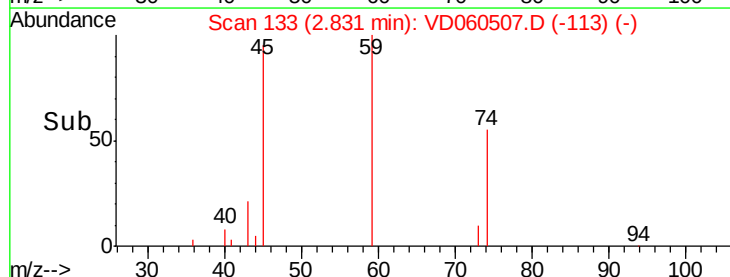
3000

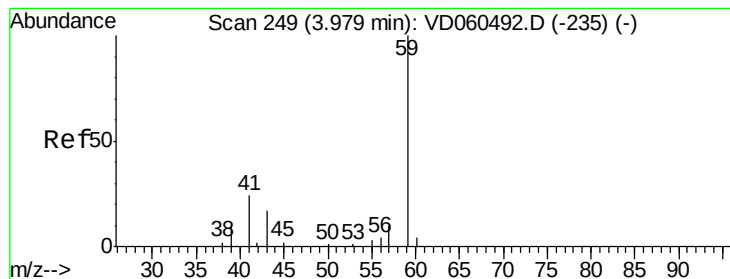
2000

1000

0

Time-->





#11

Tert butyl alcohol

Concen: 2.745 ug/l

RT: 3.97 min Scan# 249

Delta R.T. -0.01 min

Lab File: VD060507.D

Acq: 6 Dec 2018 16:04

Instrument :

MSVOA_D

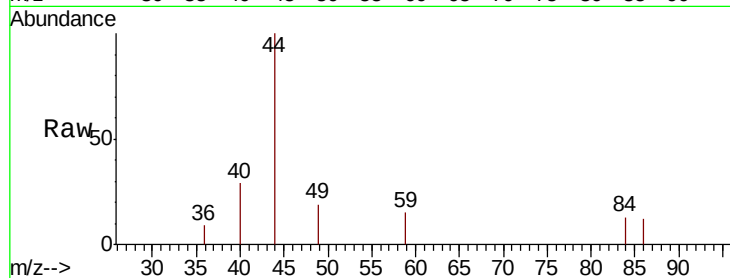
ClientSampled :

Tot Ion: 59 Resp: 1127

Ion Ratio Lower Upper

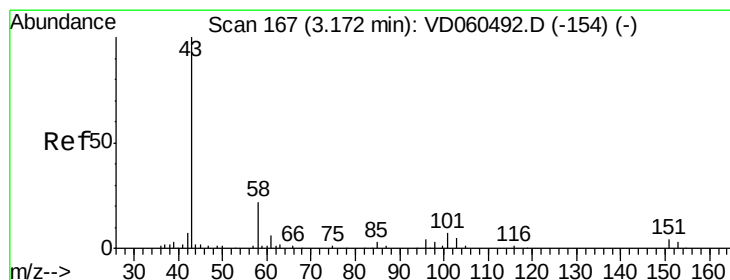
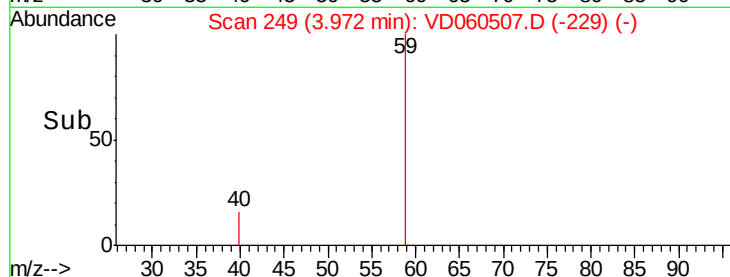
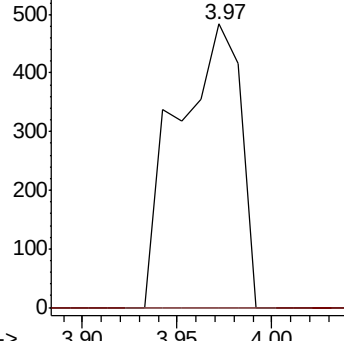
59 100

57 0.0 8.1 12.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#16

Acetone

Concen: 19.621 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD060507.D

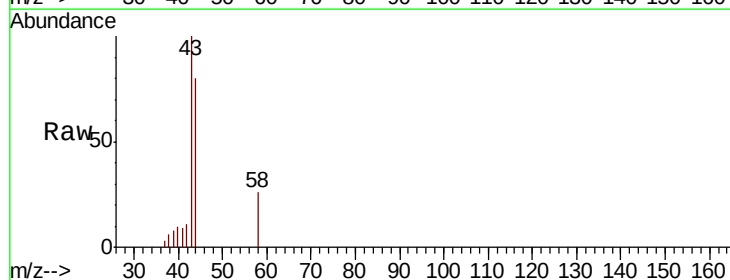
Acq: 6 Dec 2018 16:04

Tgt Ion: 43 Resp: 31778

Ion Ratio Lower Upper

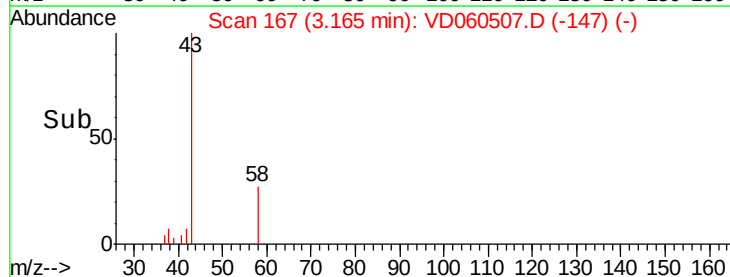
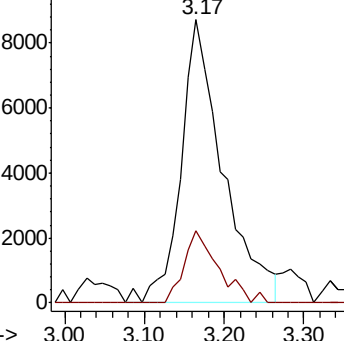
43 100

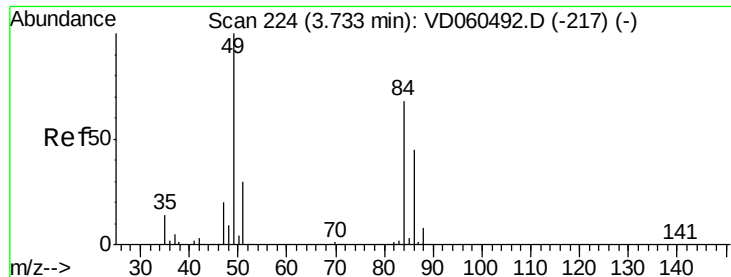
58 25.5 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

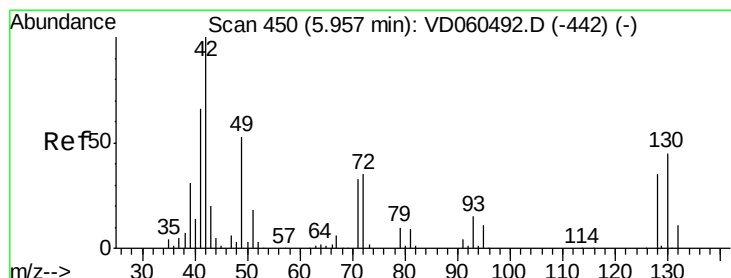
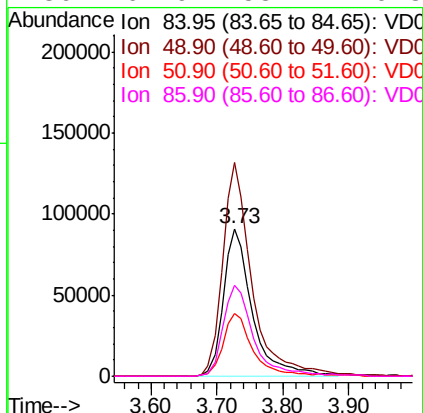
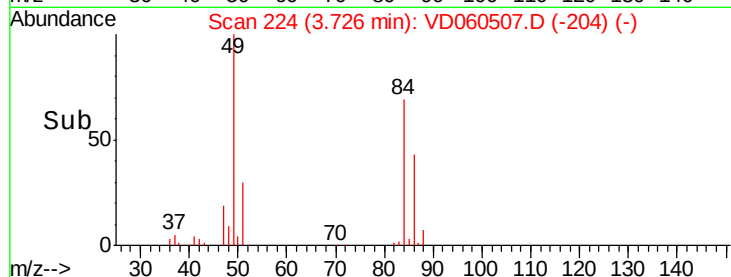
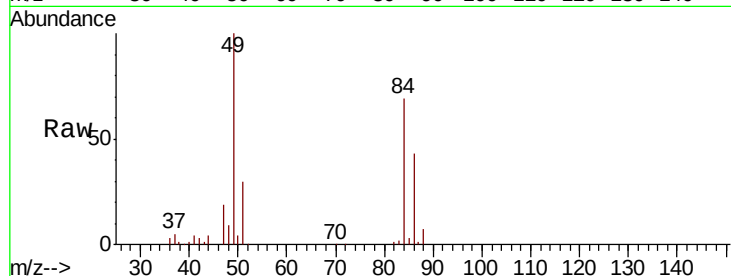




#20
Methylene Chloride
Concen: 15.696 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD060507.D
Acq: 6 Dec 2018 16:04

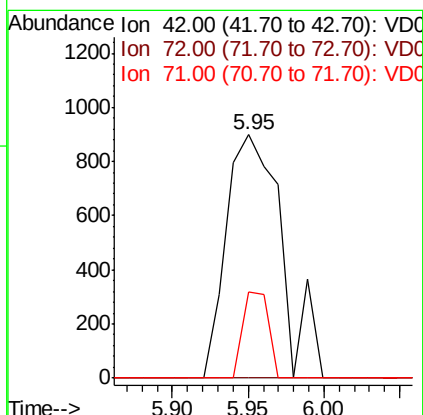
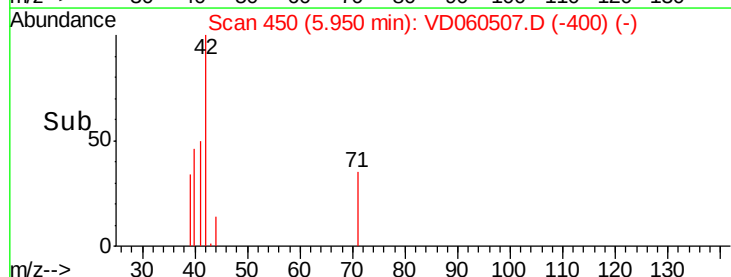
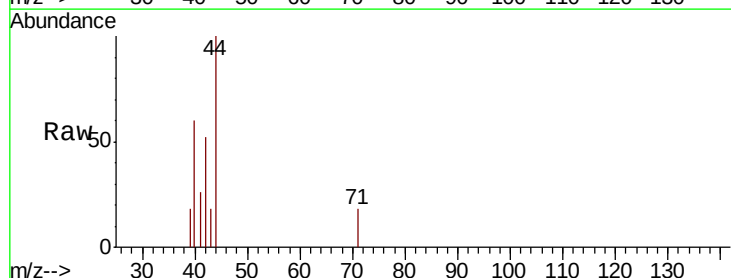
Instrument :
MSVOA_D
ClientSampled :

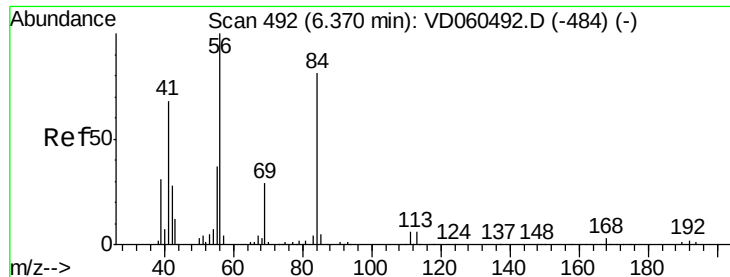
Tot Ion:	84	Resp:	279062
Ion	Ratio	Lower	Upper
84	100		
49	144.9	117.2	175.8
51	42.9	35.3	52.9
86	61.9	53.2	79.8



#29
Tetrahydrofuran
Concen: 1.265 ug/l
RT: 5.95 min Scan# 450
Delta R.T. -0.01 min
Lab File: VD060507.D
Acq: 6 Dec 2018 16:04

Tgt Ion:	42	Resp:	2283
Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.0	42.0#
71	16.2	27.2	40.8#

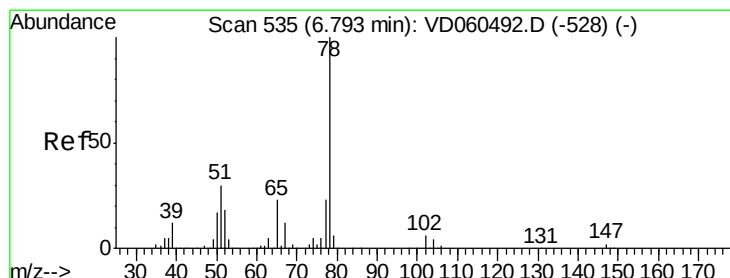
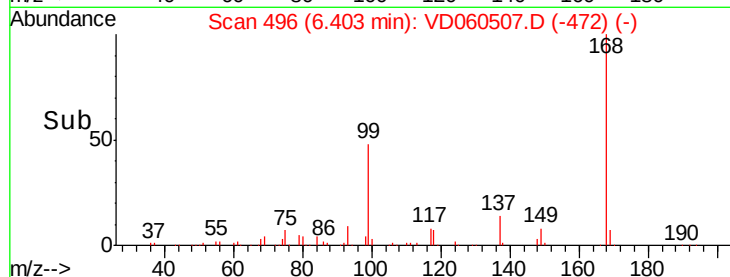
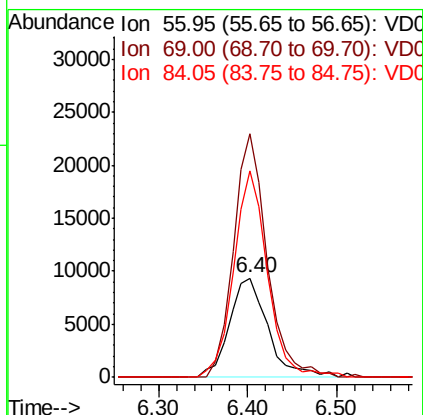
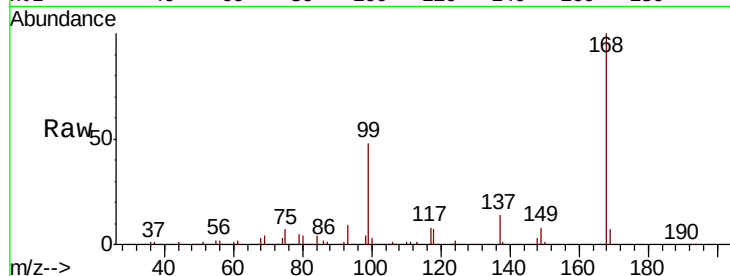




#31
Cyclohexane
Concen: Below Cal
RT: 6.40 min Scan# 496
Delta R.T. 0.03 min
Lab File: VD060507.D
Acq: 6 Dec 2018 16:04

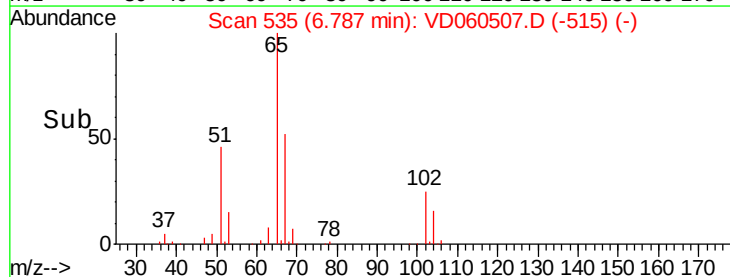
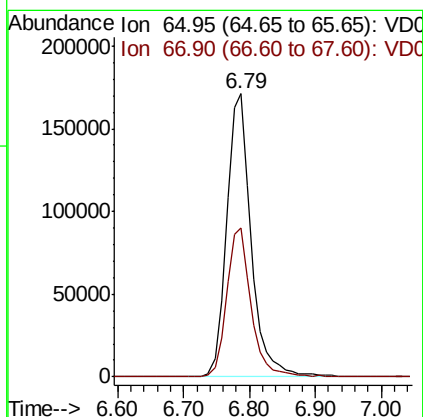
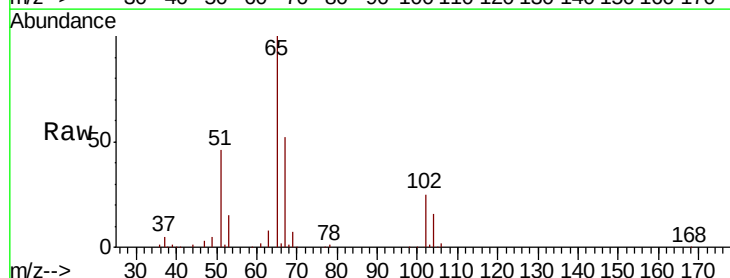
Instrument :
MSVOA_D
ClientSampleId :

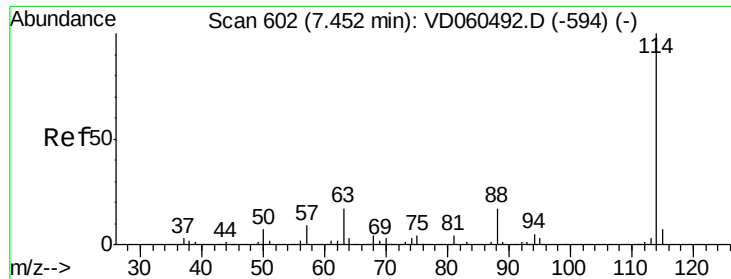
Tot Ion: 56 Resp: 28272
Ion Ratio Lower Upper
56 100
69 245.9 22.8 34.2#
84 208.1 65.1 97.7#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD060507.D
Acq: 6 Dec 2018 16:04

Tgt Ion: 65 Resp: 445312
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD060507.D

Acq: 6 Dec 2018 16:04

Instrument :
MSVOA_D
ClientSampled :

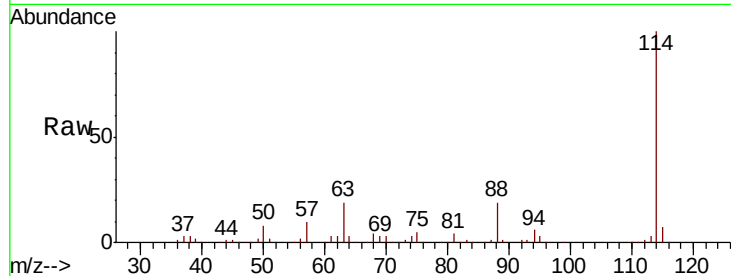
Tot Ion:114 Resp: 1989887

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.2

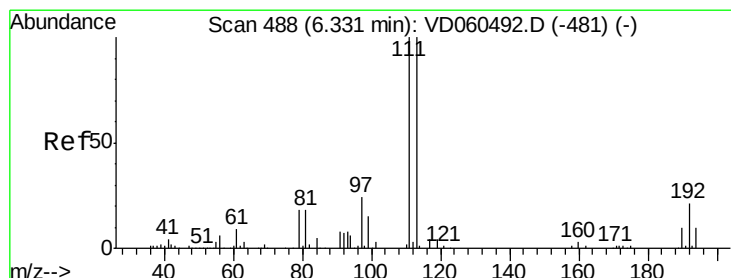
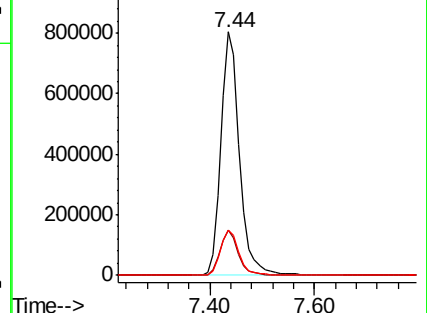
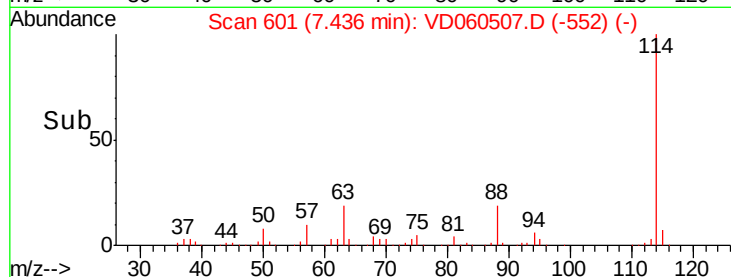
88 18.6 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060507.D

Acq: 6 Dec 2018 16:04

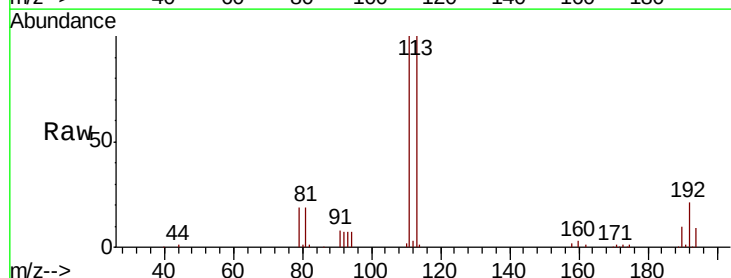
Tgt Ion:113 Resp: 613088

Ion Ratio Lower Upper

113 100

111 100.2 80.2 120.4

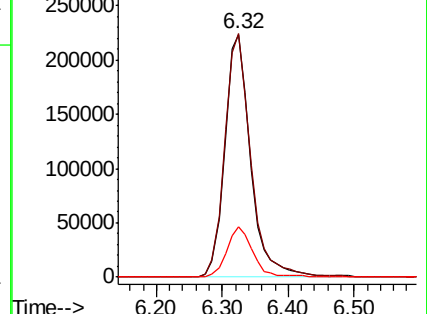
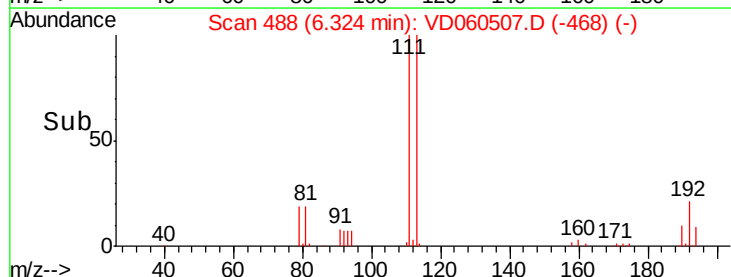
192 20.7 16.6 24.8

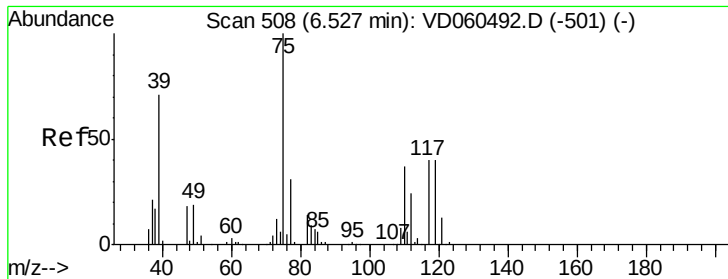


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

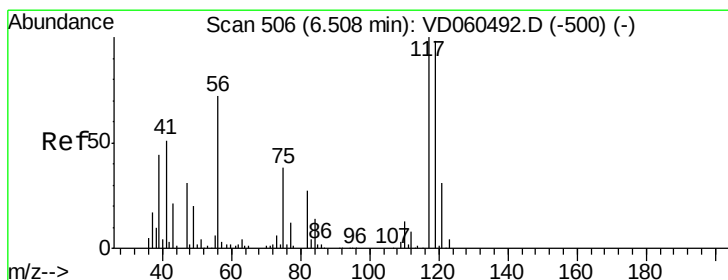
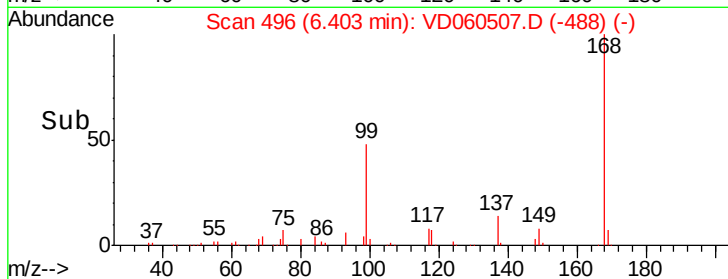
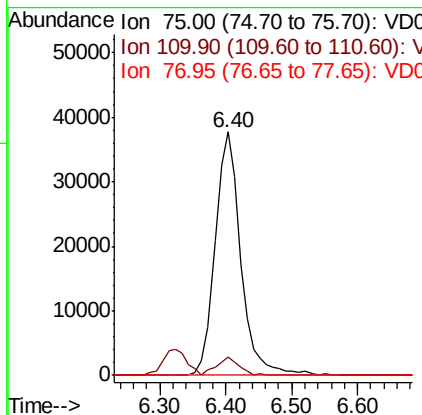
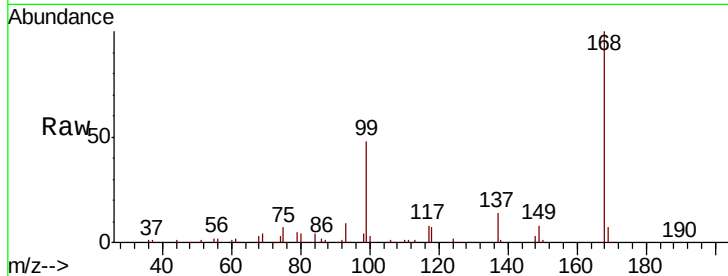




#36
 1,1-Dichloropropene
 Concen: 5.209 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.12 min
 Lab File: VD060507.D
 Acq: 6 Dec 2018 16:04

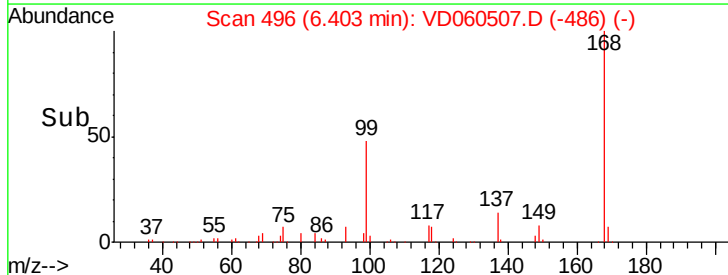
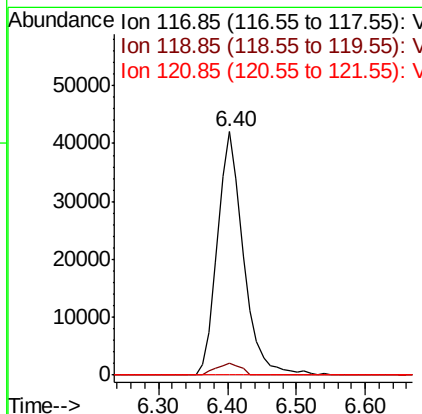
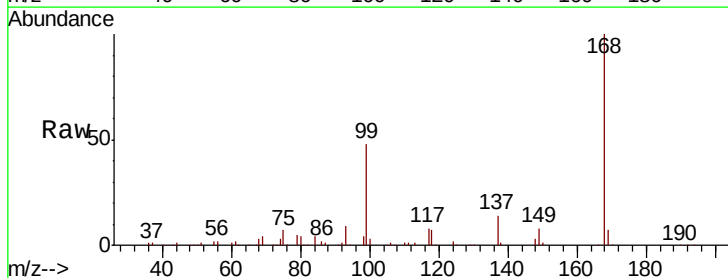
Instrument :
 MSVOA_D
 ClientSampled :

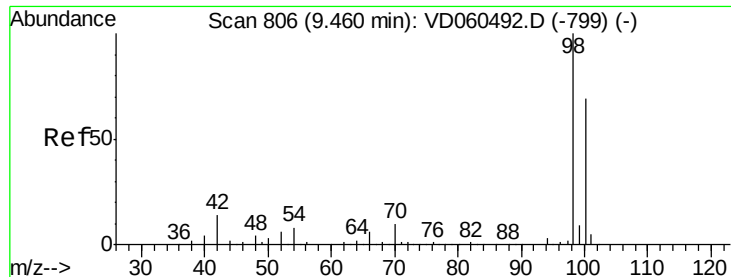
Tot Ion	75	Resp	101319
Ion Ratio	Lower	Upper	
75	100		
110	7.6	18.3	54.8#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.300 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.10 min
 Lab File: VD060507.D
 Acq: 6 Dec 2018 16:04

Tgt Ion	117	Resp	110015
Ion Ratio	Lower	Upper	
117	100		
119	5.0	76.8	115.2#
121	0.0	24.4	36.6#

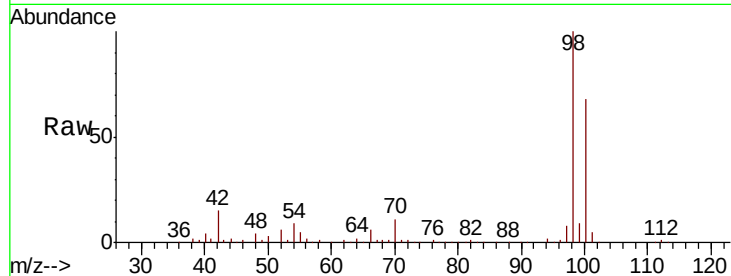




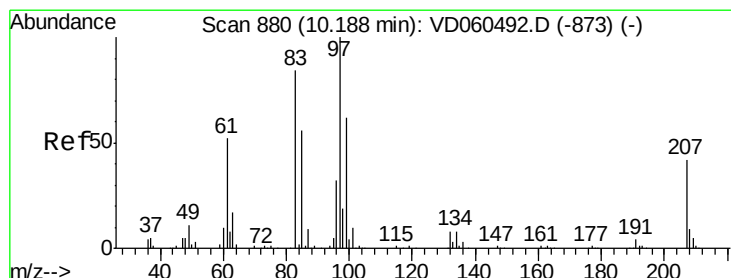
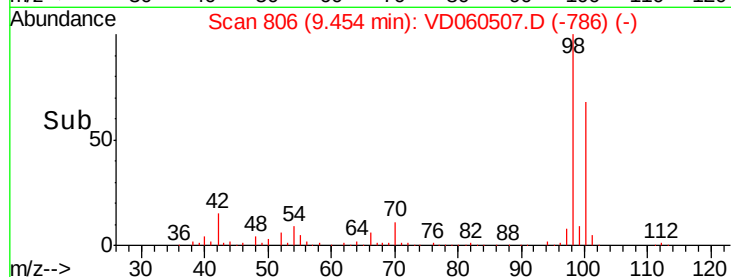
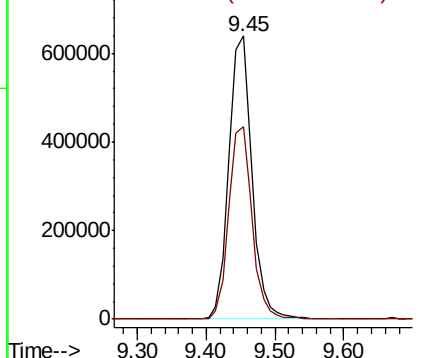
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060507.D
Acq: 6 Dec 2018 16:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 1489282
Ion Ratio Lower Upper
98 100
100 67.9 55.7 83.5

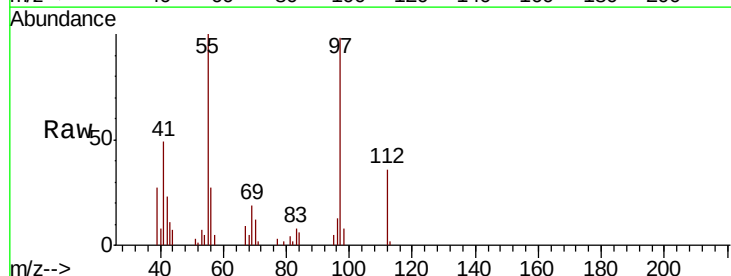


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

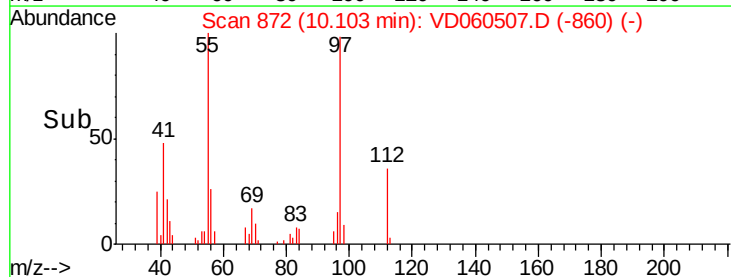
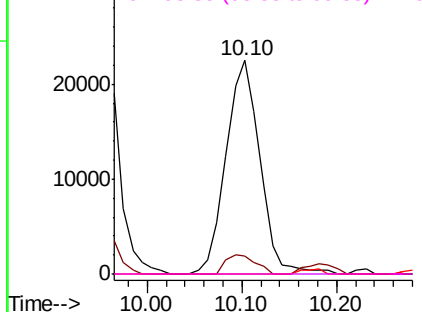


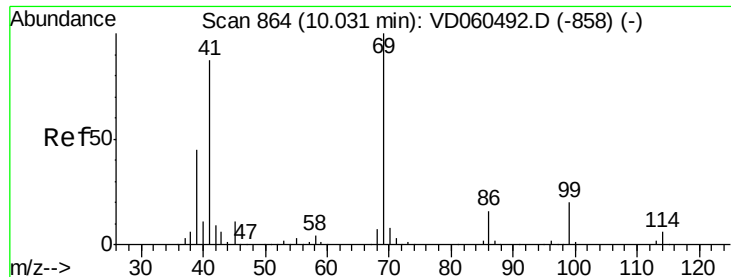
#55
1,1,2-Trichloroethane
Concen: 6.484 ug/l
RT: 10.10 min Scan# 872
Delta R.T. -0.09 min
Lab File: VD060507.D
Acq: 6 Dec 2018 16:04

Tgt Ion: 97 Resp: 56101
Ion Ratio Lower Upper
97 100
83 8.5 67.2 100.8#
85 0.0 44.5 66.7#
99 0.0 49.3 73.9#



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC





#56

Ethyl methacrylate

Concen: 4.923 ug/l

RT: 9.95 min Scan# 856

Delta R.T. -0.09 min

Lab File: VD060507.D

Acq: 6 Dec 2018 16:04

Instrument :
MSVOA_D
ClientSampled :

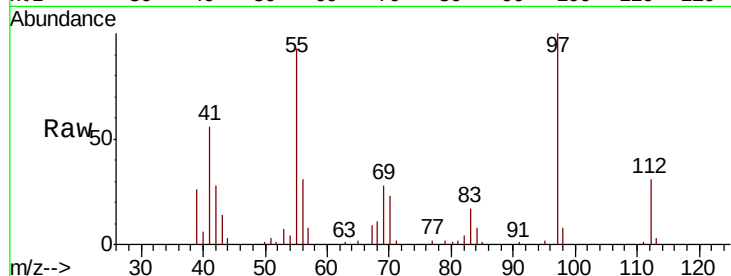
Tot Ion: 69 Resp: 38547

Ion Ratio Lower Upper

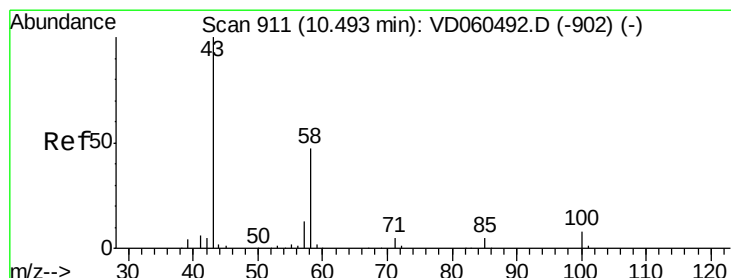
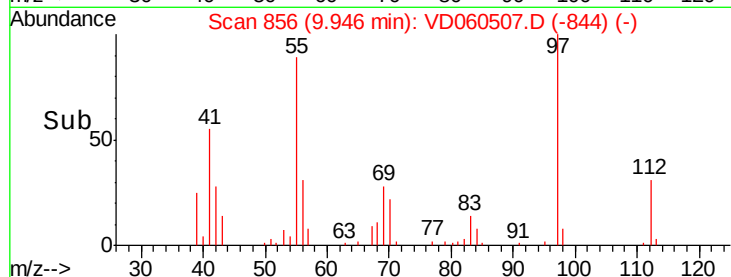
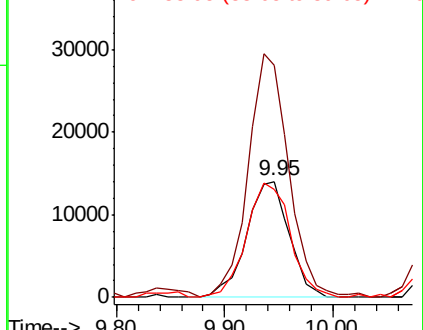
69 100

41 199.8 69.8 104.8#

39 93.4 37.5 56.3#



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC



#59

2-Hexanone

Concen: 4.398 ug/l

RT: 10.44 min Scan# 906

Delta R.T. -0.06 min

Lab File: VD060507.D

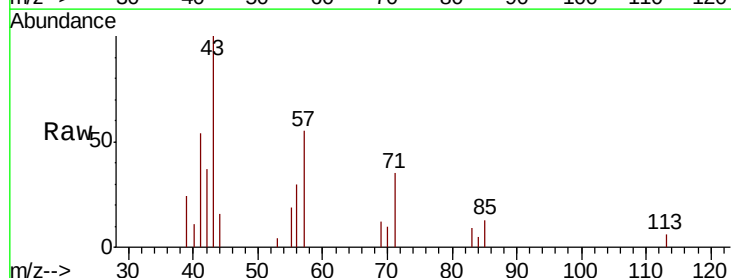
Acq: 6 Dec 2018 16:04

Tgt Ion: 43 Resp: 19912

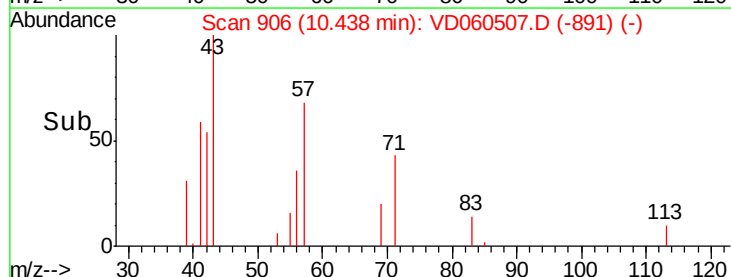
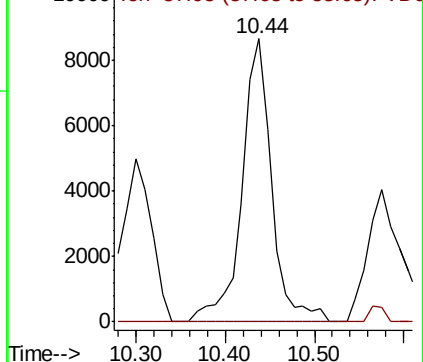
Ion Ratio Lower Upper

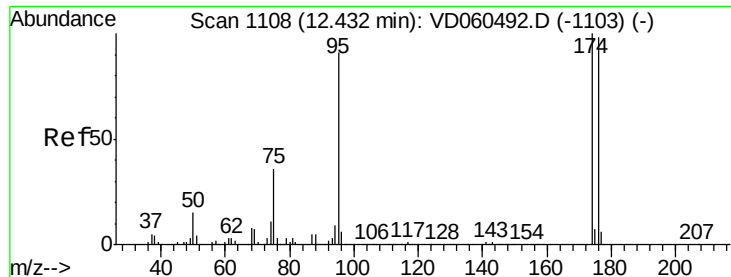
43 100

58 0.0 23.4 70.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

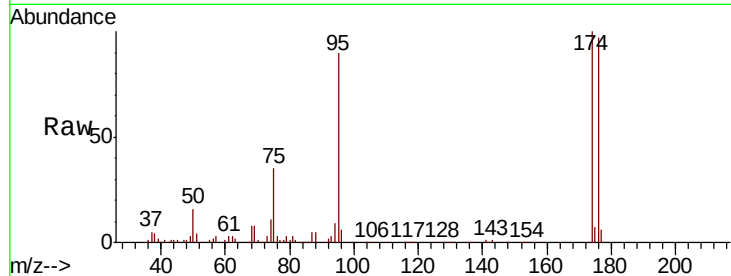




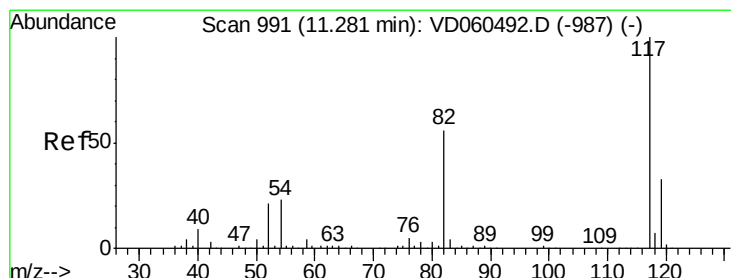
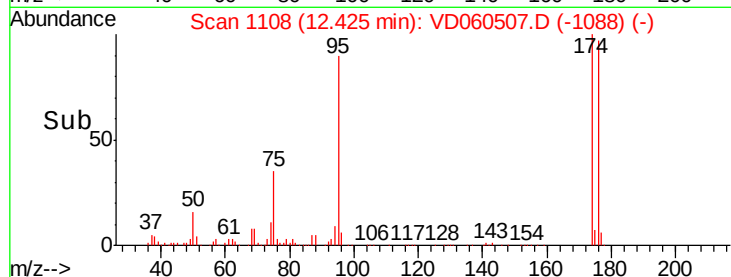
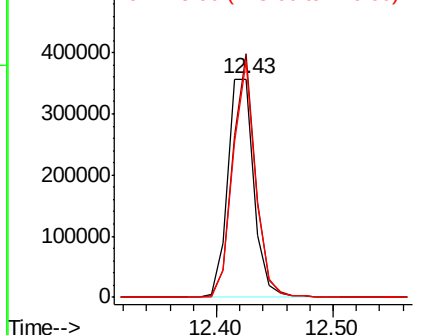
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060507.D
Acq: 6 Dec 2018 16:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 555901
Ion Ratio Lower Upper
95 100
174 111.6 0.0 219.4
176 108.4 0.0 214.6

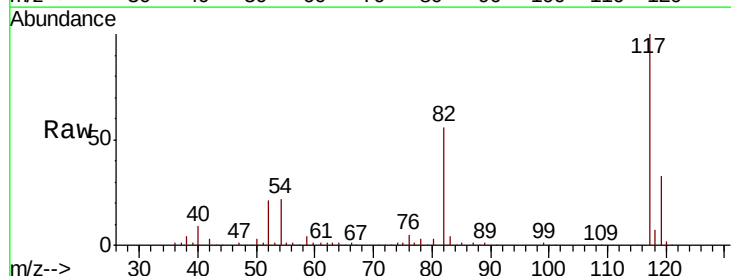


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

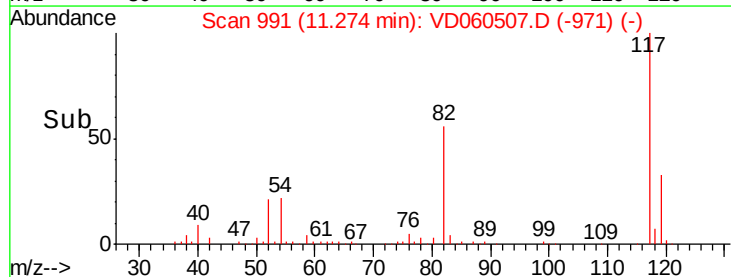
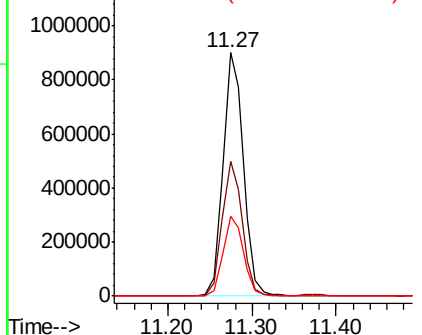


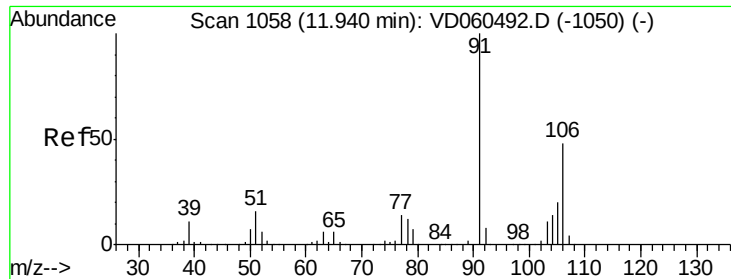
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD060507.D
Acq: 6 Dec 2018 16:04

Tgt Ion: 117 Resp: 1508326
Ion Ratio Lower Upper
117 100
82 55.6 45.2 67.8
119 32.8 26.1 39.1



Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

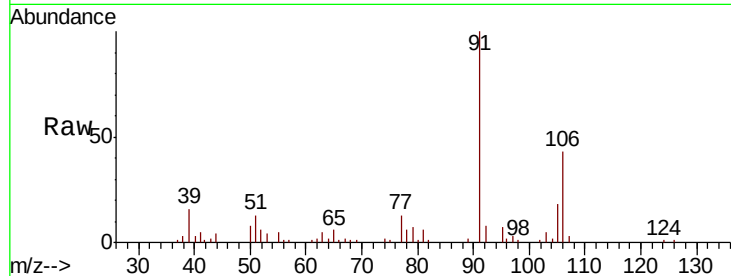




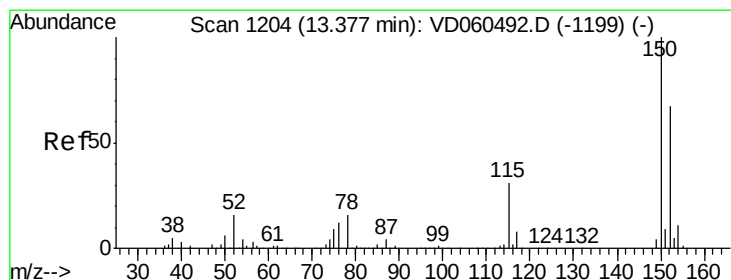
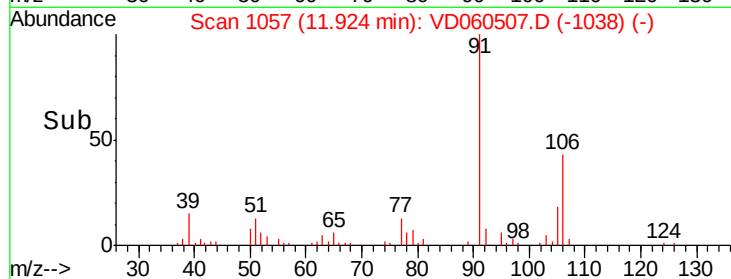
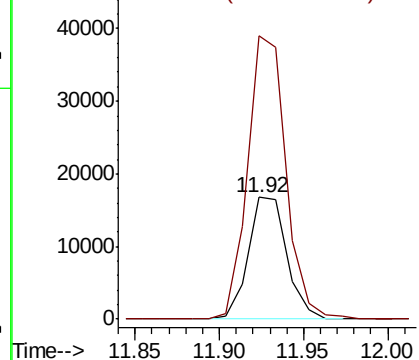
#69
o-Xylene
Concen: 1.384 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060507.D
Acq: 6 Dec 2018 16:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 26562
Ion Ratio Lower Upper
106 100
91 232.5 103.4 310.1

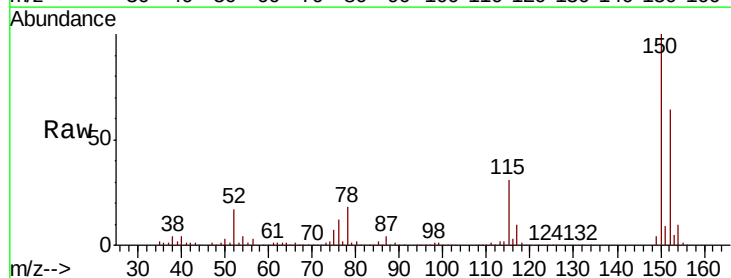


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

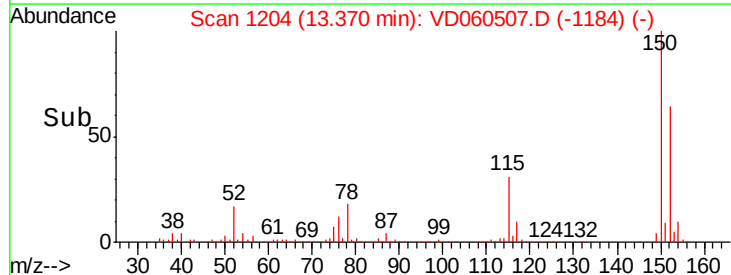
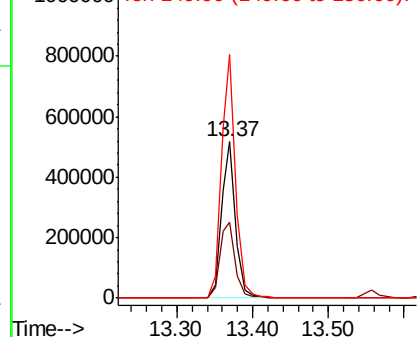


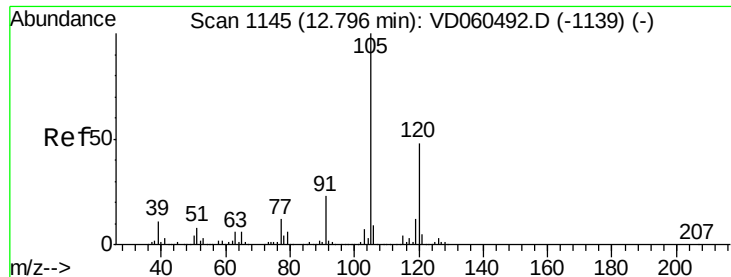
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060507.D
Acq: 6 Dec 2018 16:04

Tgt Ion:152 Resp: 676264
Ion Ratio Lower Upper
152 100
115 48.9 24.6 74.0
150 156.0 0.0 309.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#80

1,3,5-Trimethylbenzene

Concen: 1.869 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060507.D

Acq: 6 Dec 2018 16:04

Instrument :

MSVOA_D

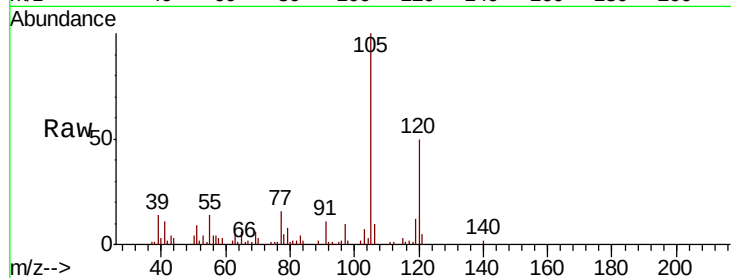
ClientSampled :

Tot Ion:105 Resp: 68355

Ion Ratio Lower Upper

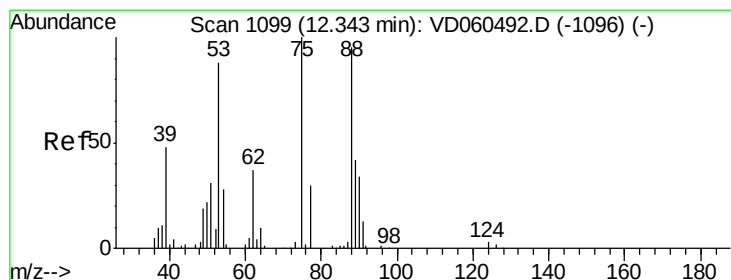
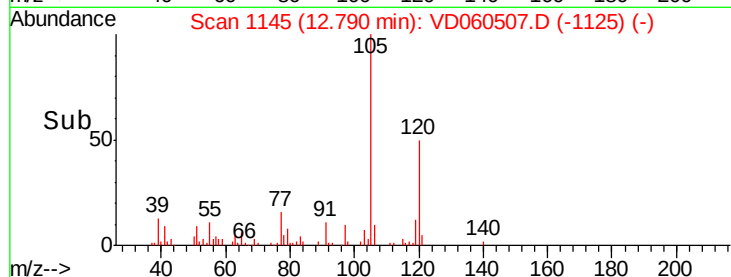
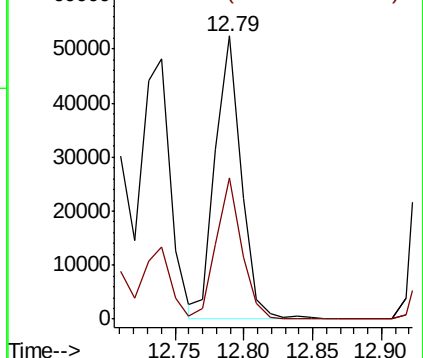
105 100

120 49.8 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#81

trans-1,4-Dichloro-2-butene

Concen: 106.459 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060507.D

Acq: 6 Dec 2018 16:04

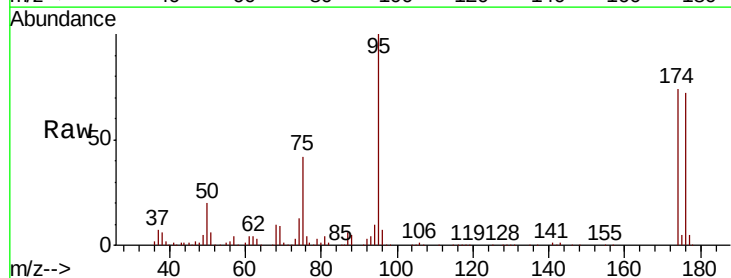
Tgt Ion: 75 Resp: 227513

Ion Ratio Lower Upper

75 100

53 0.2 70.5 105.7#

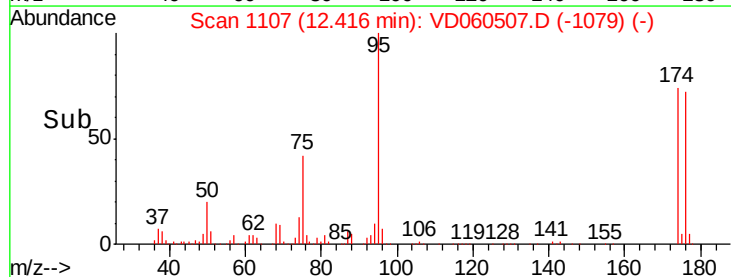
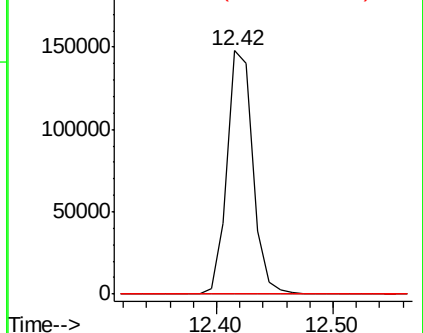
89 0.0 33.6 50.4#

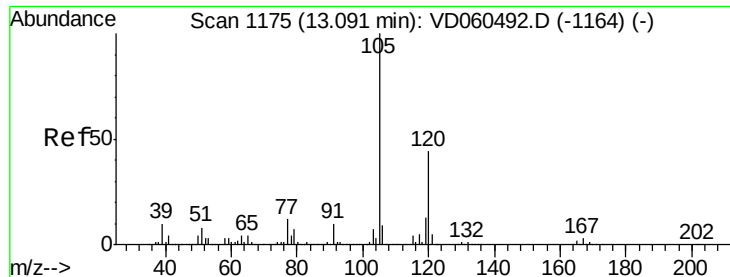


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#84

1,2,4-Trimethylbenzene

Concen: 1.019 ug/l

RT: 13.08 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VD060507.D

Acq: 6 Dec 2018 16:04

Instrument :

MSVOA_D

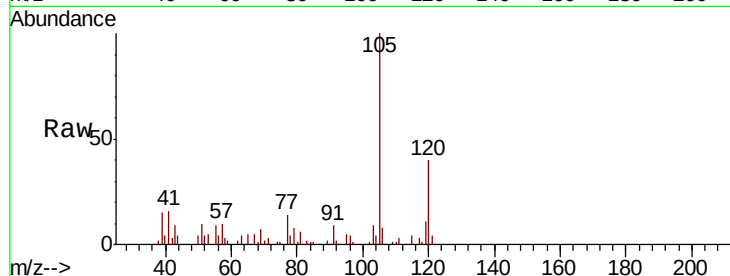
ClientSampleId :

Tot Ion:105 Resp: 38597

Ion Ratio Lower Upper

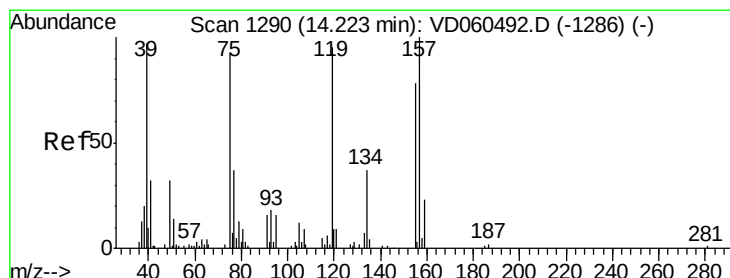
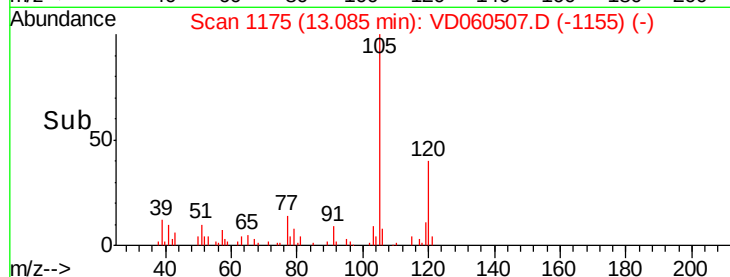
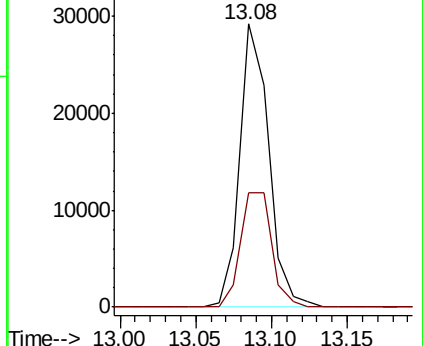
105 100

120 40.2 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.539 ug/l

RT: 14.22 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VD060507.D

Acq: 6 Dec 2018 16:04

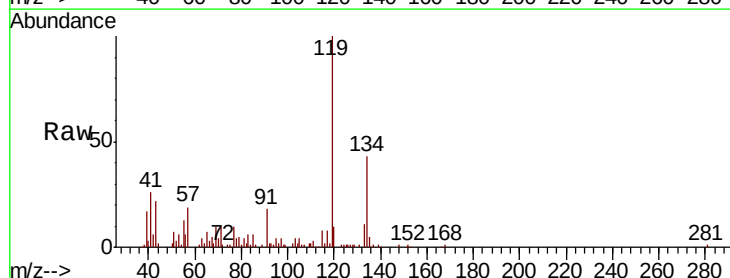
Tgt Ion: 75 Resp: 1429

Ion Ratio Lower Upper

75 100

155 0.0 41.6 124.9#

157 0.0 53.6 160.8#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

