

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120318\
 Data File : VD060473.D
 Acq On : 3 Dec 2018 14:18
 Operator : VA/AP
 Sample : J6162-09RE
 Misc : 5.68g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C10-02A-(6-12)RE

Quant Time: Dec 04 02:21:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1157176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.47	114	1625934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1112318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	377879	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.81	65	433873	52.36	ug/l	0.00
Spiked Amount						
			Recovery	=	104.72%	
35) Dibromofluoromethane	6.35	113	574141	47.35	ug/l	0.00
Spiked Amount						
			Recovery	=	94.70%	
50) Toluene-d8	9.47	98	1355348	38.20	ug/l	0.00
Spiked Amount						
			Recovery	=	76.40%	
62) 4-Bromofluorobenzene	12.44	95	409550	31.85	ug/l	0.00
Spiked Amount						
			Recovery	=	63.70%	

Target Compounds

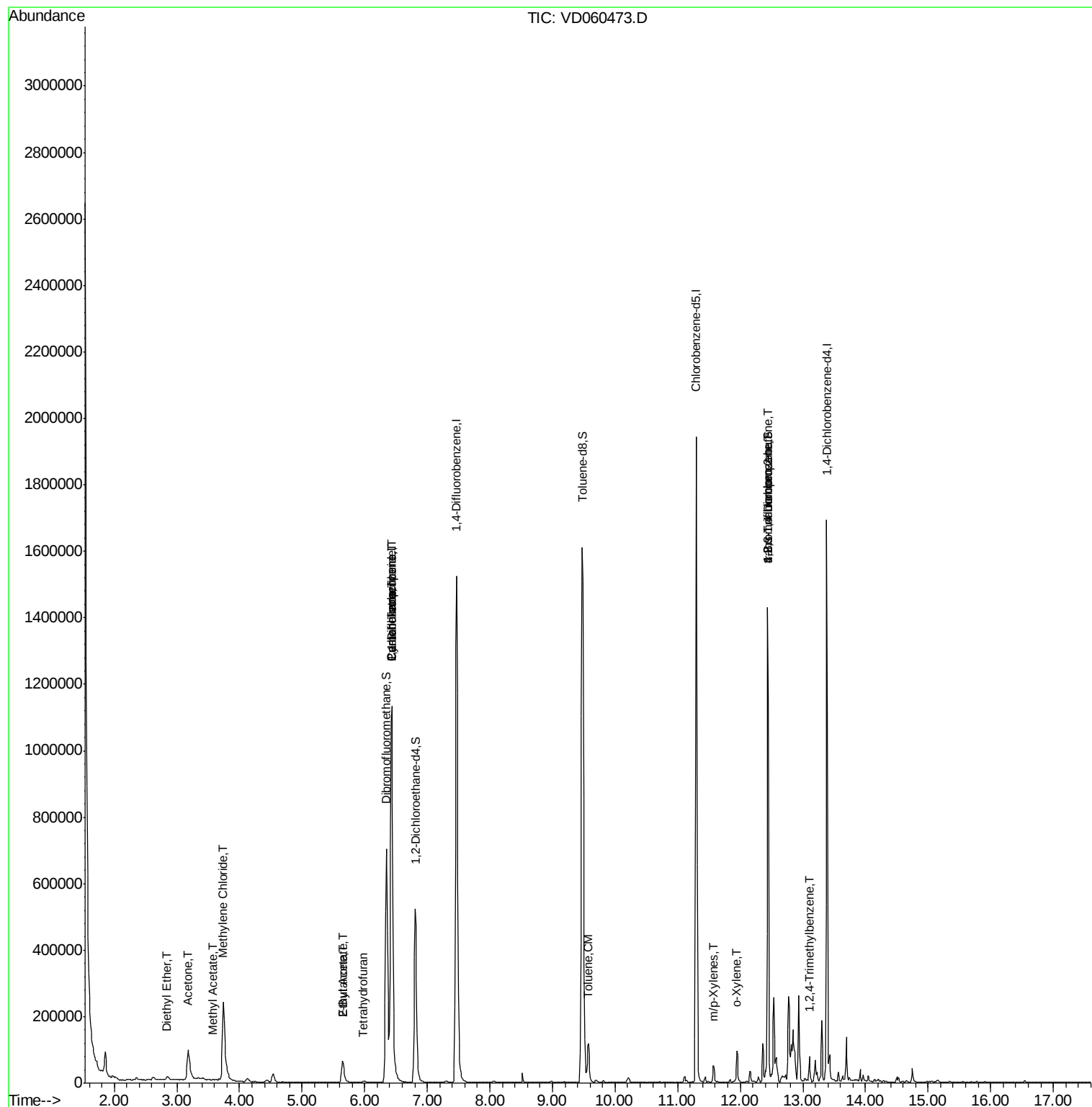
					Qvalue	
8) Diethyl Ether	2.85	74	3795	1.986	ug/l	75
16) Acetone	3.18	43	195857	136.275	ug/l	100
18) Methyl Acetate	3.58	43	5861	1.913	ug/l #	63
20) Methylene Chloride	3.75	84	163130	12.795	ug/l	95
25) 2-Butanone	5.65	43	133756	44.774	ug/l	96
29) Tetrahydrofuran	5.97	42	2824	1.793	ug/l #	47
31) Cyclohexane	6.43	56	22087	1.116	ug/l #	1
36) 1,1-Dichloropropene	6.42	75	76797	4.781	ug/l #	47
37) Ethyl Acetate	5.65	43	133756	18.095	ug/l #	69
38) Carbon Tetrachloride	6.43	117	90290	6.059	ug/l #	15
52) Toluene	9.57	92	59871	2.286	ug/l	100
68) m/p-Xylenes	11.58	106	15251	1.003	ug/l	89
69) o-Xylene	11.94	106	22590	1.538	ug/l	94
76) 1,2,3-Trichloropropane	12.44	75	135283	29.928	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.44	75	166232	129.170	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.11	105	26447	1.238	ug/l	93
89) n-Butylbenzene	13.66	91	2670	Below Cal	#	83

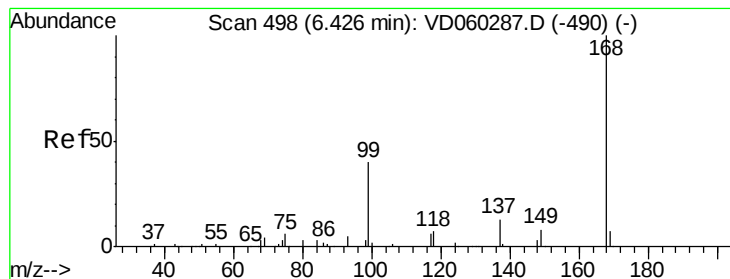
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060473.D

Acq: 3 Dec 2018 14:18

Instrument :

MSVOA_D

ClientSampleId :

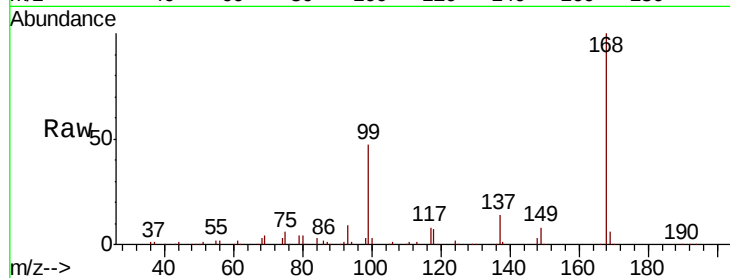
A0C10-02A-(6-12)RE

Tot Ion:168 Resp: 1157176

Ion Ratio Lower Upper

168 100

99 46.7 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

500000

400000

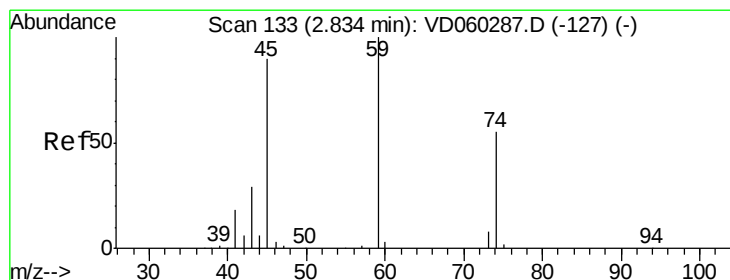
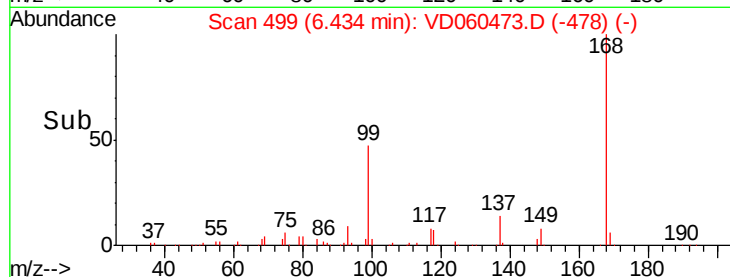
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 1.986 ug/l

RT: 2.85 min Scan# 135

Delta R.T. 0.02 min

Lab File: VD060473.D

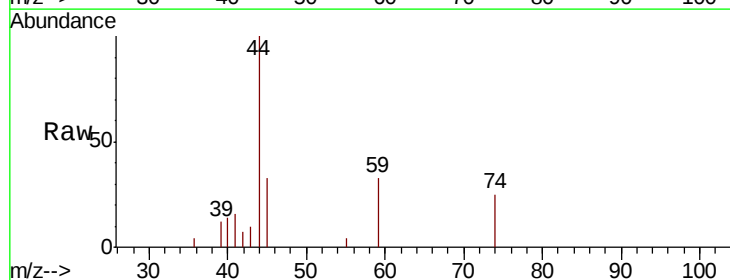
Acq: 3 Dec 2018 14:18

Tgt Ion: 74 Resp: 3795

Ion Ratio Lower Upper

74 100

45 134.7 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

4000

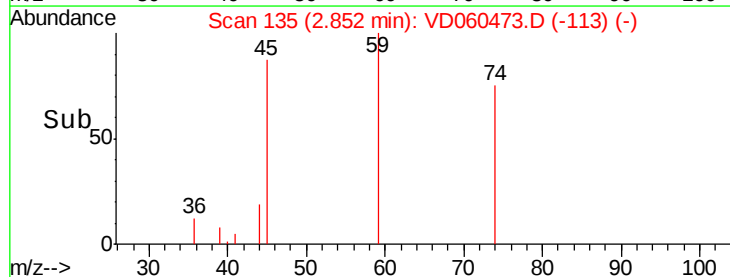
3000

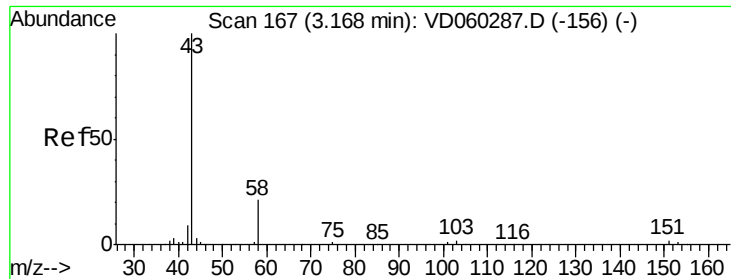
2000

1000

0

Time-->





#16

Acetone

Concen: 136.275 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060473.D

Acq: 3 Dec 2018 14:18

Instrument :

MSVOA_D

ClientSampleId :

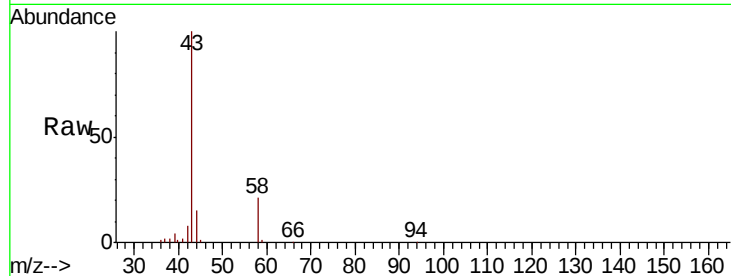
A0C10-02A-(6-12)RE

Tot Ion: 43 Resp: 195857

Ion Ratio Lower Upper

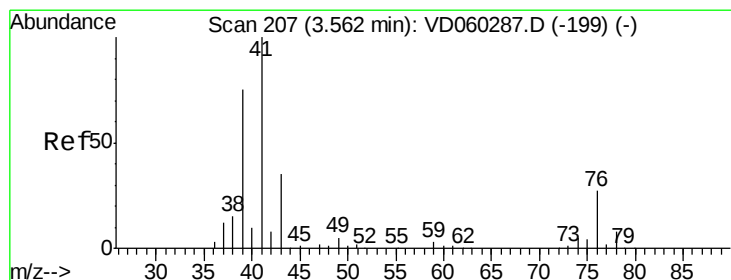
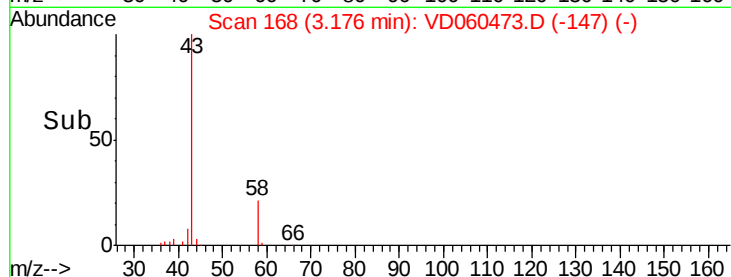
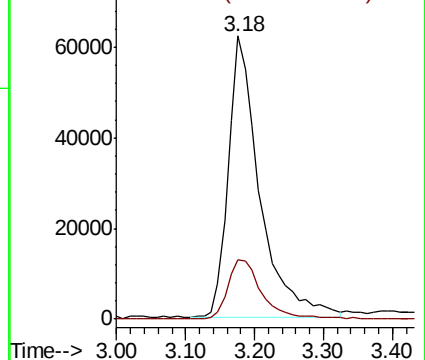
43 100

58 21.0 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.913 ug/l

RT: 3.58 min Scan# 209

Delta R.T. 0.02 min

Lab File: VD060473.D

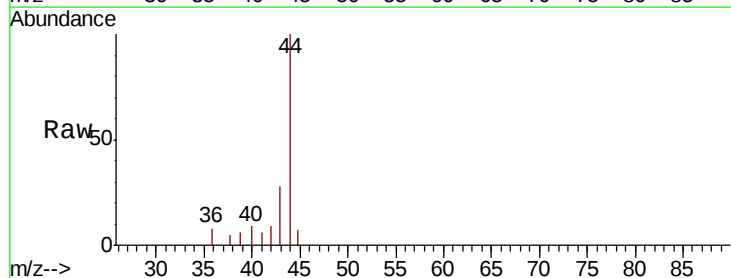
Acq: 3 Dec 2018 14:18

Tgt Ion: 43 Resp: 5861

Ion Ratio Lower Upper

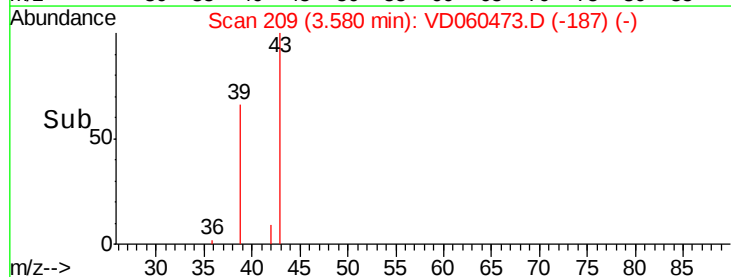
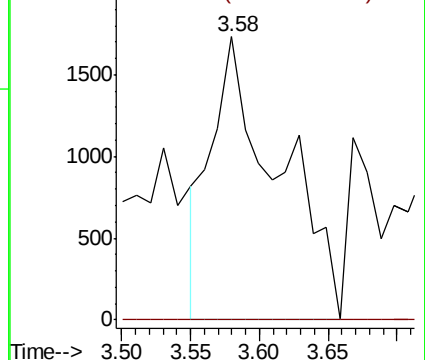
43 100

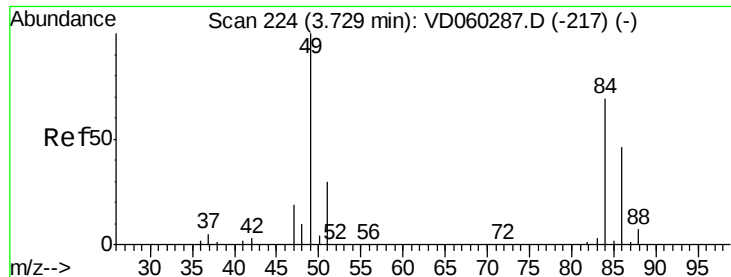
74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

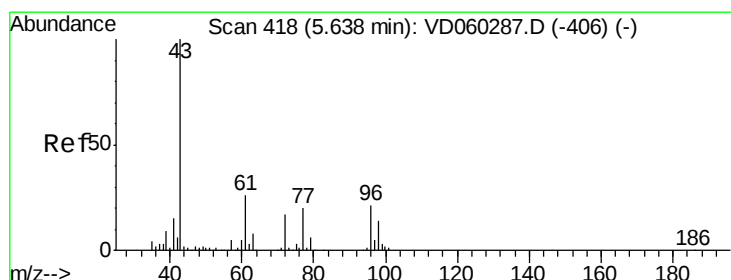
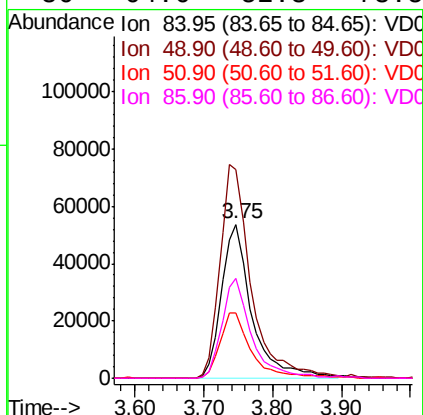
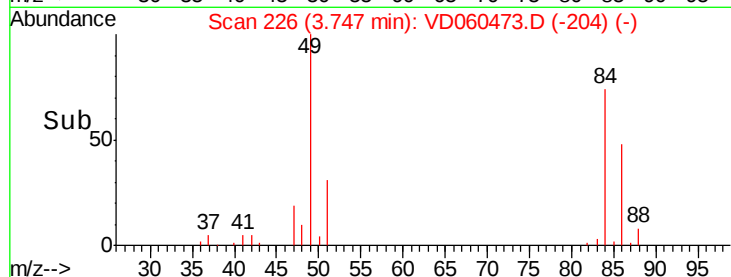
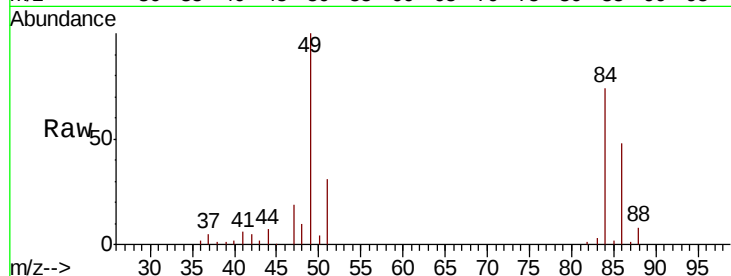




#20
Methvlene Chloride
Concen: 12.795 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

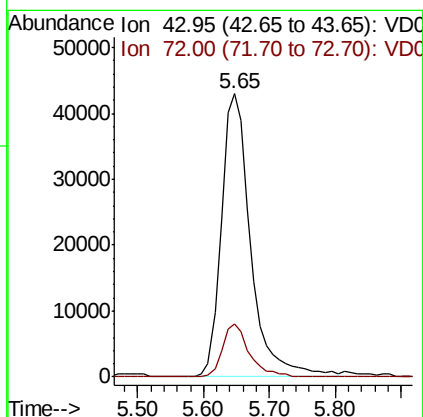
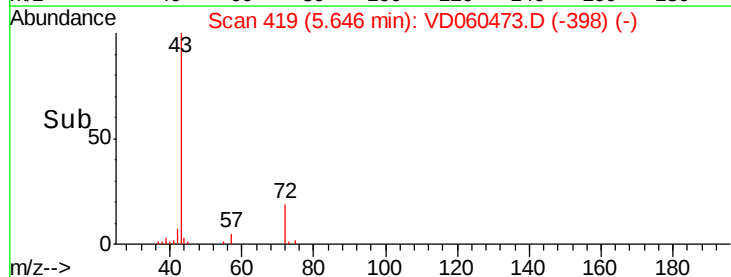
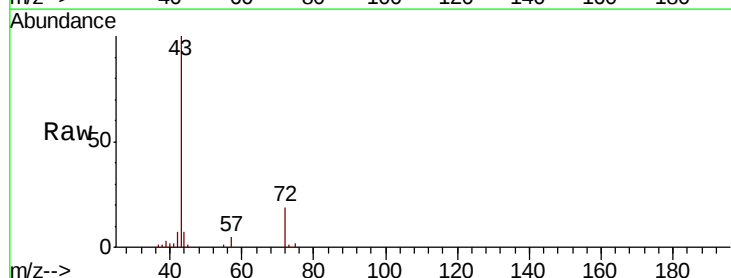
Instrument :
MSVOA_D
ClientSampleId :
A0C10-02A-(6-12)RE

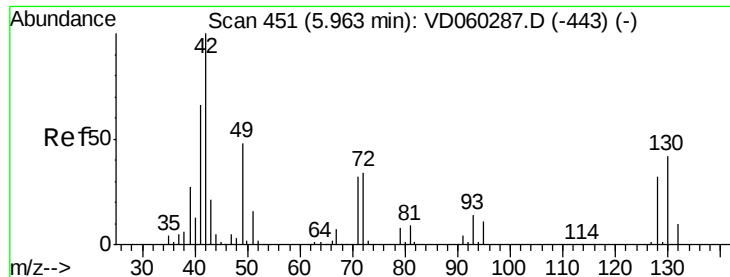
Tot Ion: 84 Resp: 163130
Ion Ratio Lower Upper
84 100
49 135.7 115.6 173.4
51 42.6 35.6 53.4
86 64.6 52.3 78.5



#25
2-Butanone
Concen: 44.774 ug/l
RT: 5.65 min Scan# 419
Delta R.T. 0.01 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion: 43 Resp: 133756
Ion Ratio Lower Upper
43 100
72 18.9 13.8 20.8





#29

Tetrahydrofuran

Concen: 1.793 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060473.D

Acq: 3 Dec 2018 14:18

Instrument :

MSVOA_D

ClientSampleId :

A0C10-02A-(6-12)RE

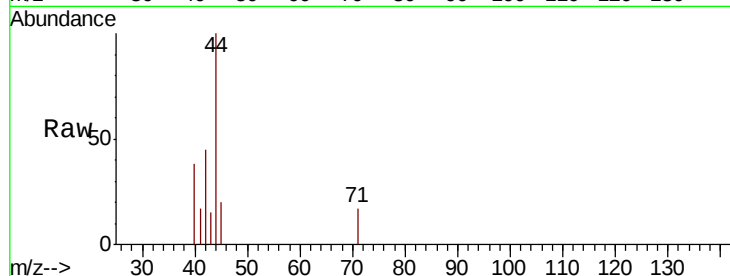
Tot Ion: 42 Resp: 2824

Ion Ratio Lower Upper

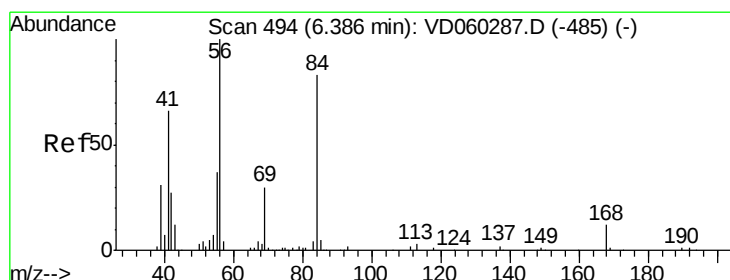
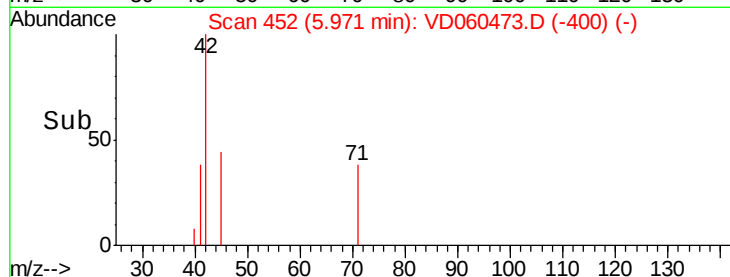
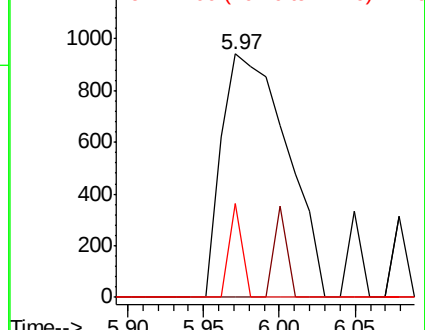
42 100

72 0.0 27.6 41.4#

71 7.5 26.5 39.7#



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: 1.116 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.05 min

Lab File: VD060473.D

Acq: 3 Dec 2018 14:18

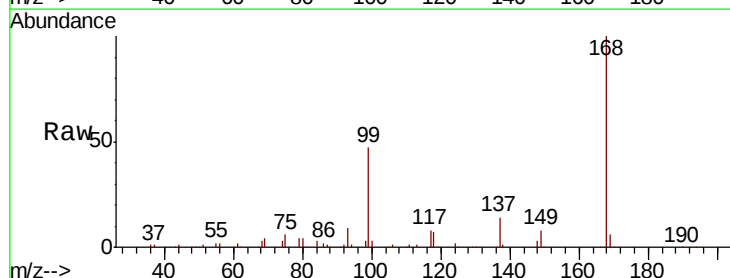
Tgt Ion: 56 Resp: 22087

Ion Ratio Lower Upper

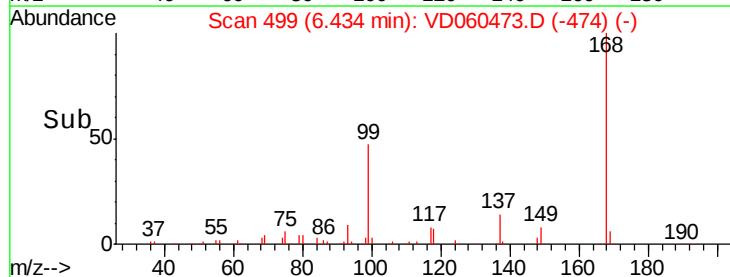
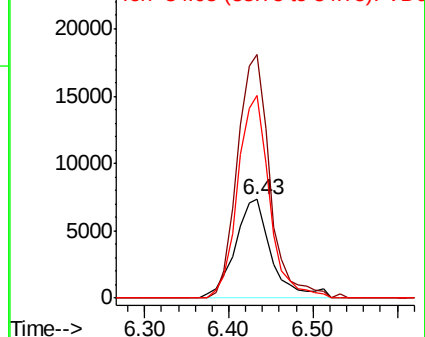
56 100

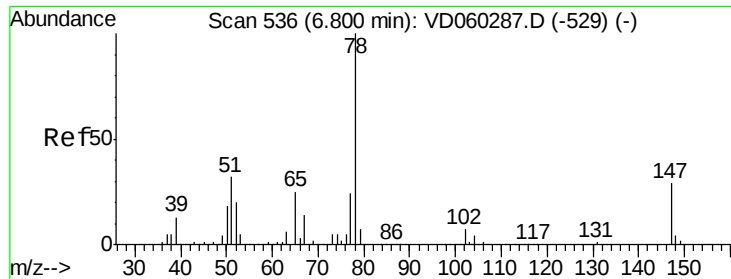
69 246.7 22.2 33.2#

84 205.1 63.0 94.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD060473.D

Acq: 3 Dec 2018 14:18

Instrument :

MSVOA_D

ClientSampleId :

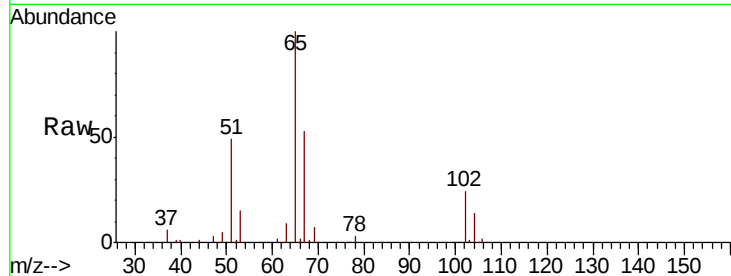
A0C10-02A-(6-12)RE

Tot Ion: 65 Resp: 433873

Ion Ratio Lower Upper

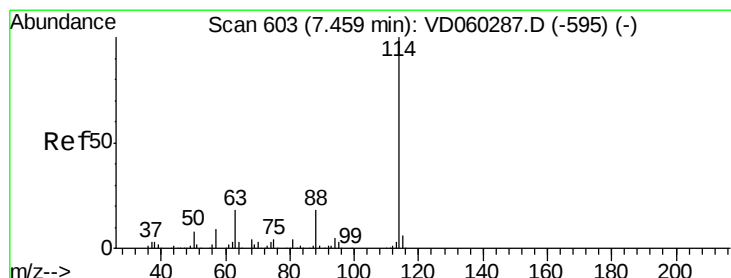
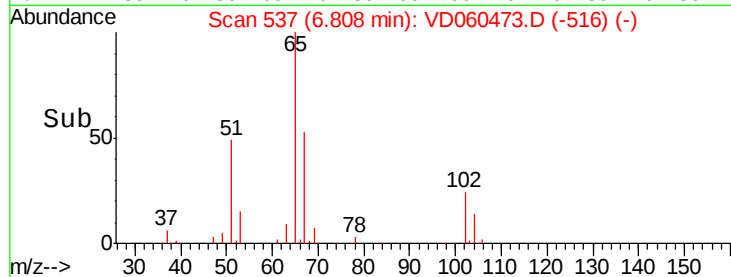
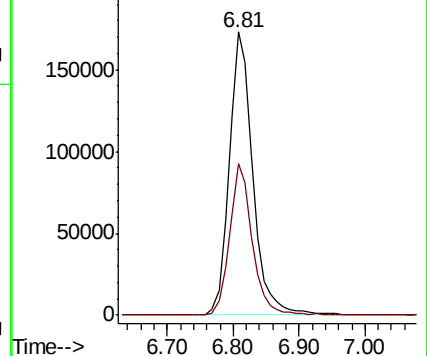
65 100

67 53.3 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD060473.D

Acq: 3 Dec 2018 14:18

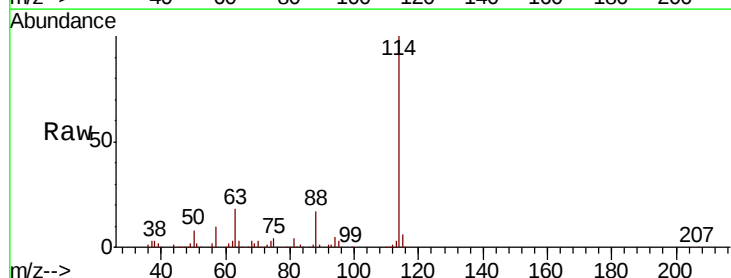
Tgt Ion: 114 Resp: 1625934

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.0

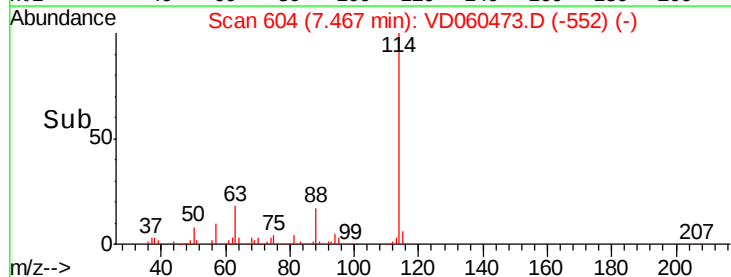
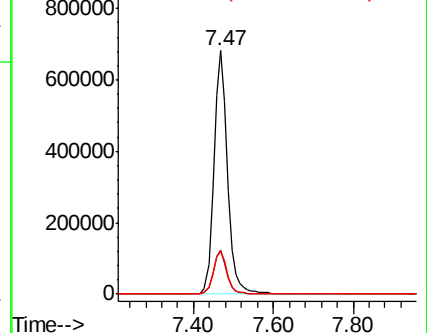
88 17.3 0.0 35.4

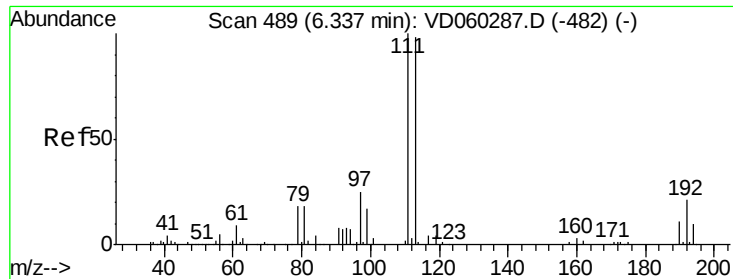


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

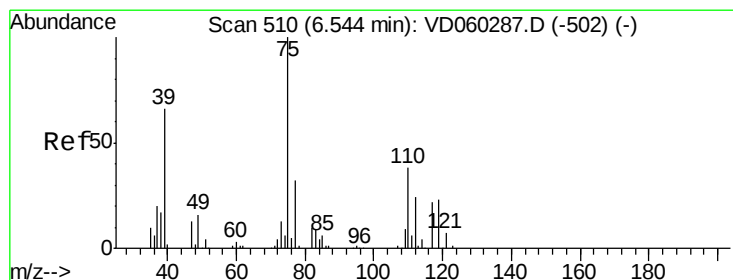
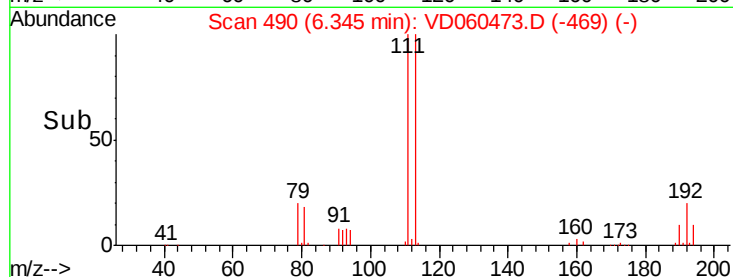
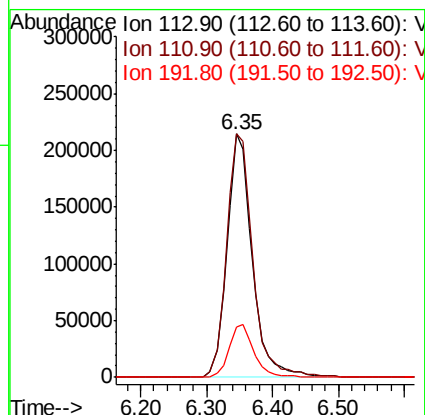
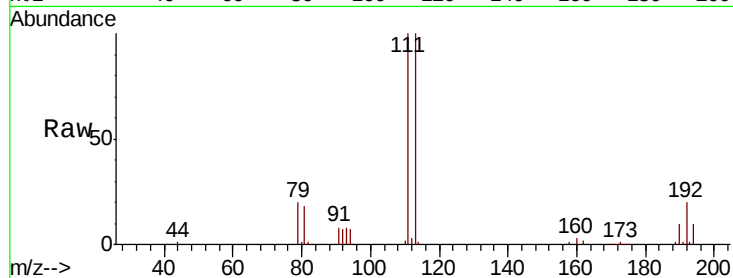




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

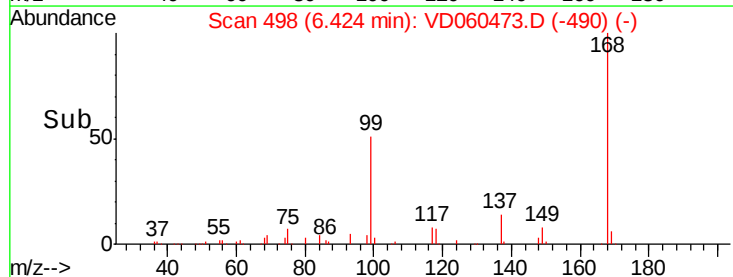
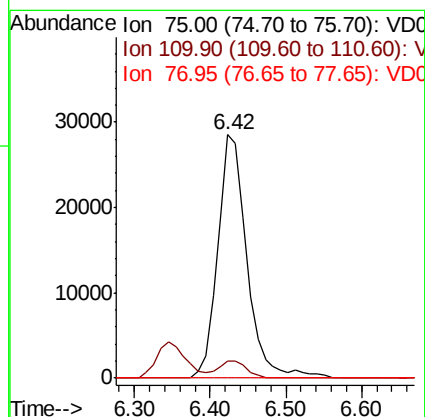
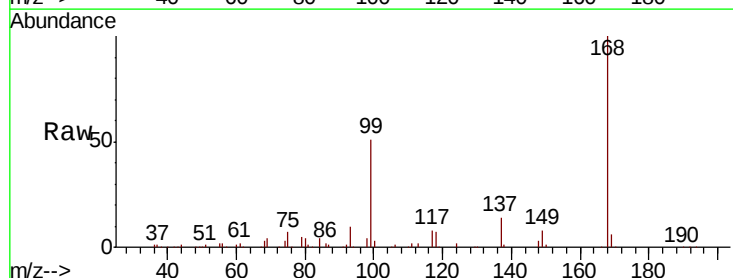
Instrument :
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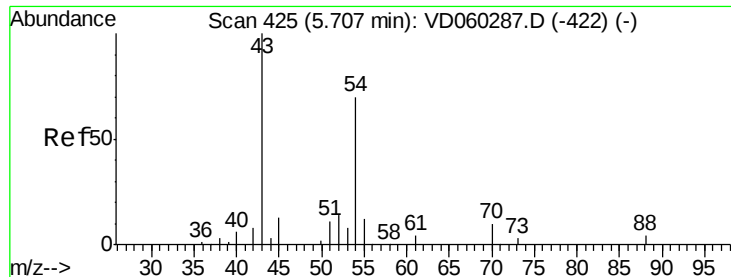
Tot Ion:113 Resp: 574141
Ion Ratio Lower Upper
113 100
111 100.0 81.6 122.4
192 20.5 16.5 24.7



#36
1,1-Dichloropropene
Concen: 4.781 ug/l
RT: 6.42 min Scan# 498
Delta R.T. -0.12 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion: 75 Resp: 76797
Ion Ratio Lower Upper
75 100
110 6.8 18.0 54.0#
77 0.0 25.6 38.4#

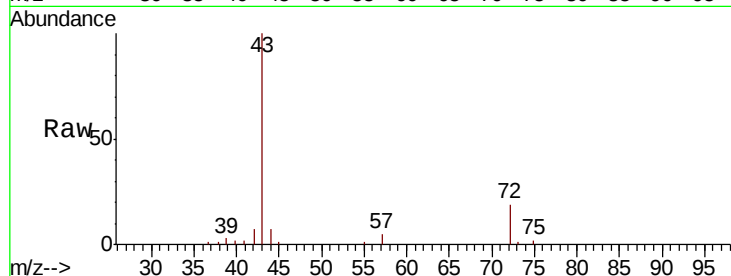




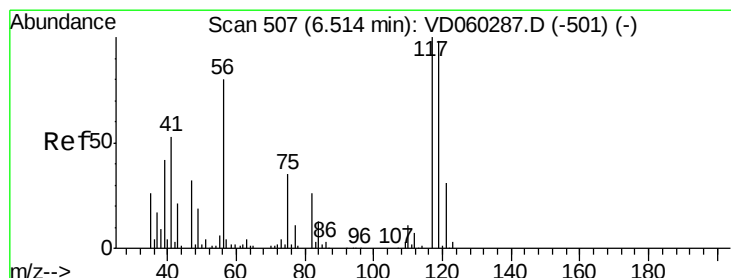
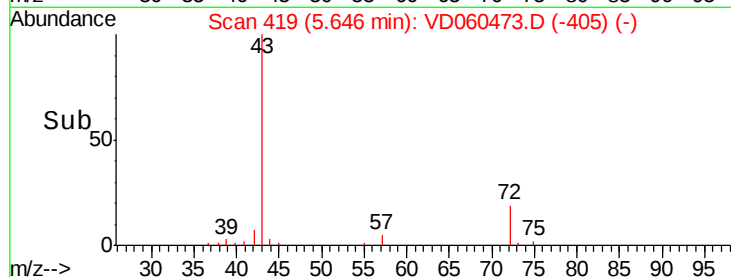
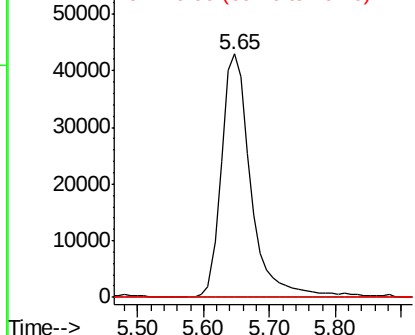
#37
Ethyl Acetate
Concen: 18.095 ug/l
RT: 5.65 min Scan# 419
Delta R.T. -0.06 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Instrument :
MSVOA_D
ClientSampleId :
A0C10-02A-(6-12)RE

Tot Ion: 43 Resp: 133756
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 6.2 9.4#

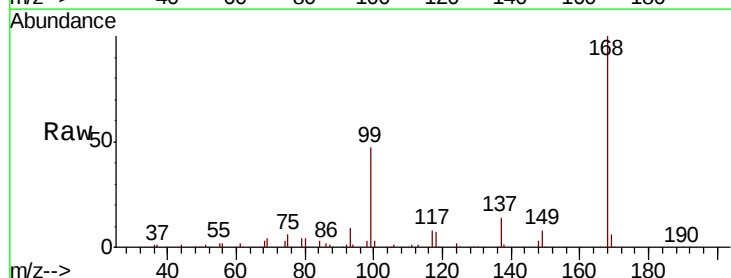


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

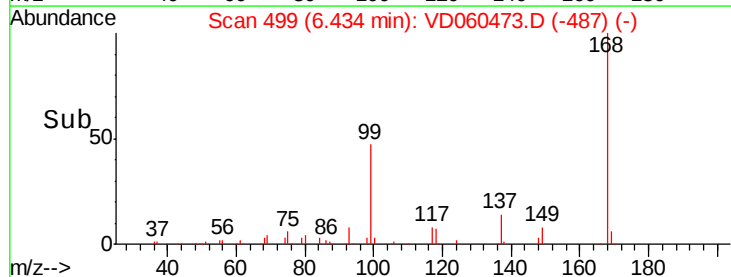
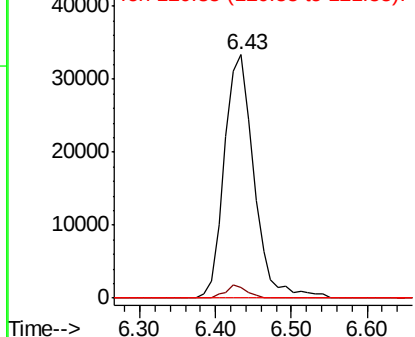


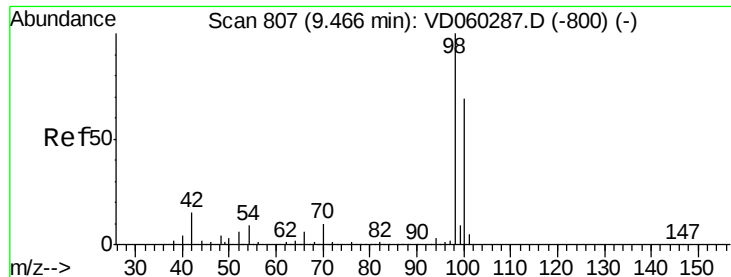
#38
Carbon Tetrachloride
Concen: 6.059 ug/l
RT: 6.43 min Scan# 499
Delta R.T. -0.08 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion: 117 Resp: 90290
Ion Ratio Lower Upper
117 100
119 4.4 76.6 115.0#
121 0.0 24.3 36.5#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.47 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060473.D

Acq: 3 Dec 2018 14:18

Instrument :

MSVOA_D

ClientSampleId :

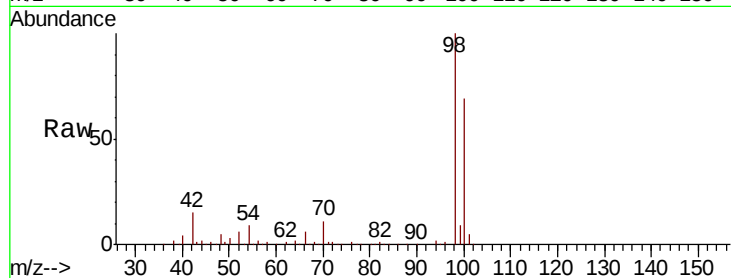
A0C10-02A-(6-12)RE

Tot Ion: 98 Resp: 1355348

Ion Ratio Lower Upper

98 100

100 68.8 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

600000

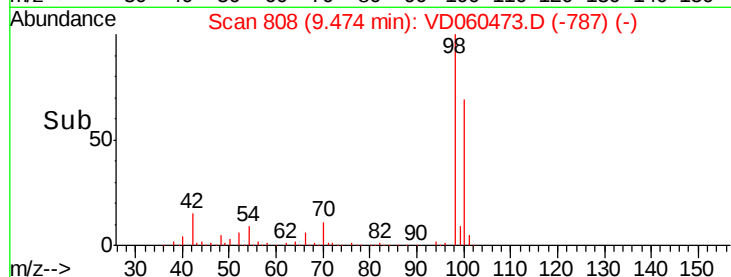
400000

200000

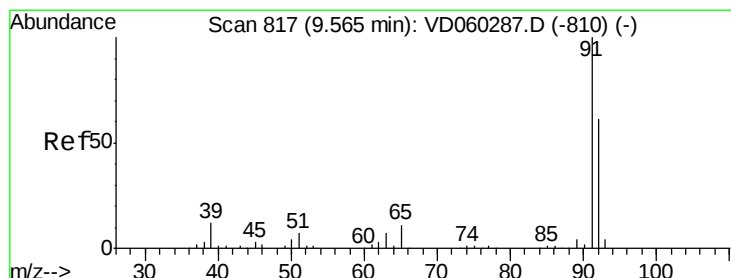
0

9.47

9.40 9.50 9.60 9.70



Time-->



#52

Toluene

Concen: 2.286 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VD060473.D

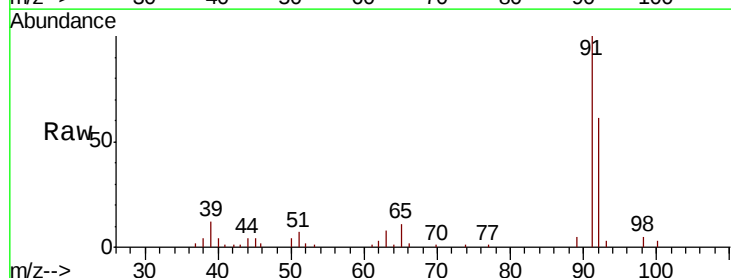
Acq: 3 Dec 2018 14:18

Tgt Ion: 92 Resp: 59871

Ion Ratio Lower Upper

92 100

91 164.4 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

50000

40000

30000

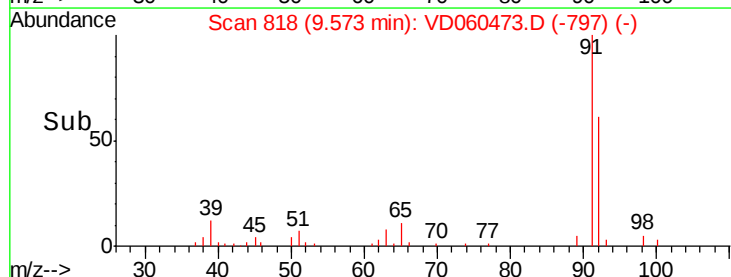
20000

10000

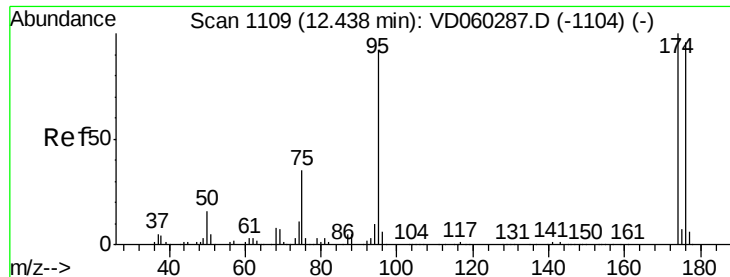
0

9.57

9.45 9.50 9.55 9.60 9.65



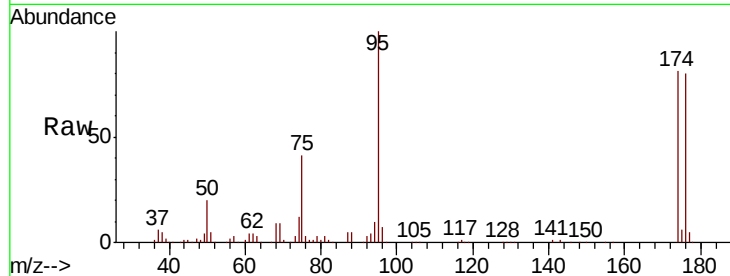
Time-->



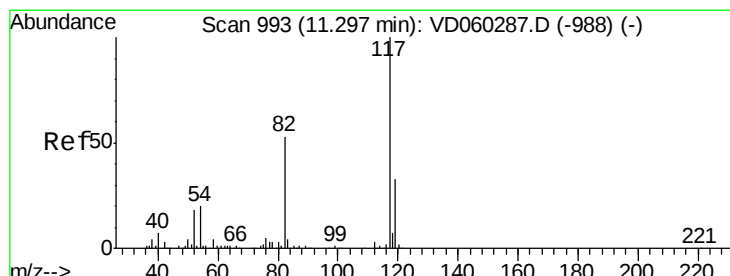
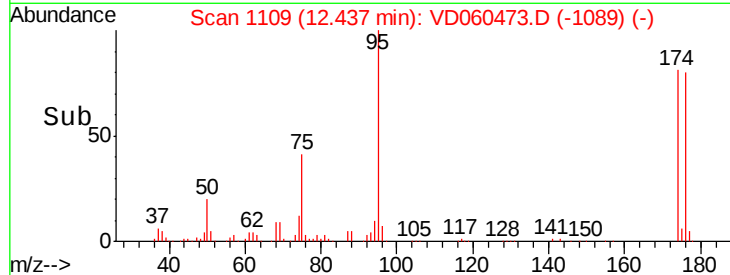
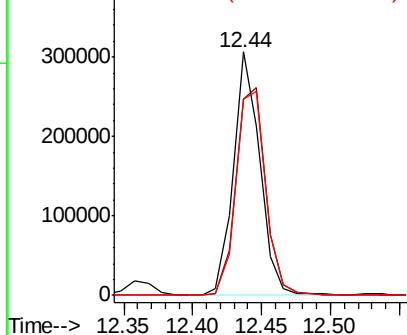
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.44 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Instrument :
MSVOA_D
ClientSampleId :
A0C10-02A-(6-12)RE

Tot Ion: 95 Resp: 409550
Ion Ratio Lower Upper
95 100
174 80.9 0.0 160.8
176 80.4 0.0 154.6

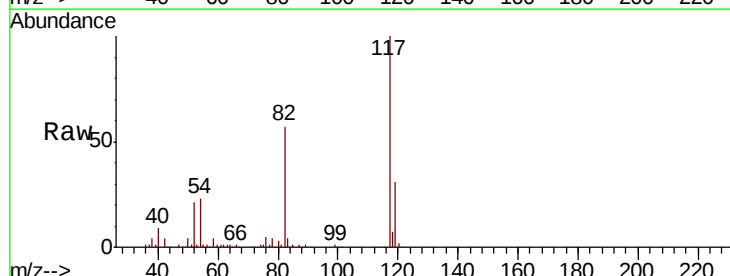


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

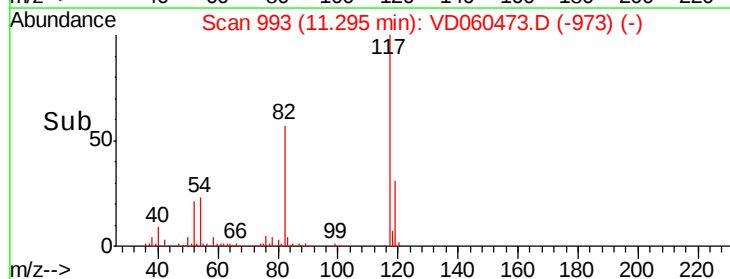
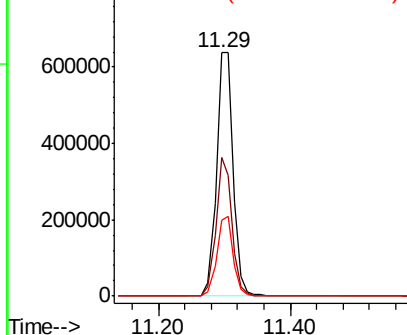


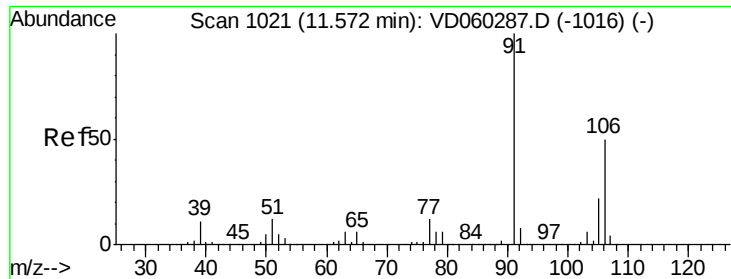
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion: 117 Resp: 1112318
Ion Ratio Lower Upper
117 100
82 57.0 43.7 65.5
119 31.3 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

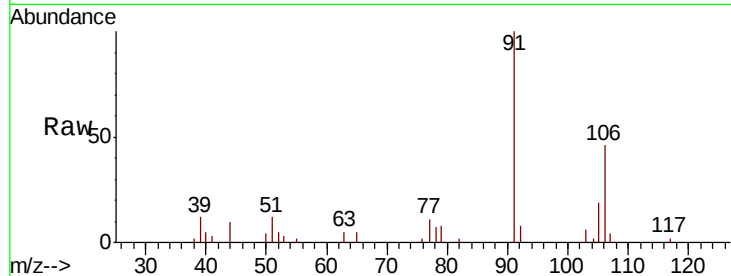




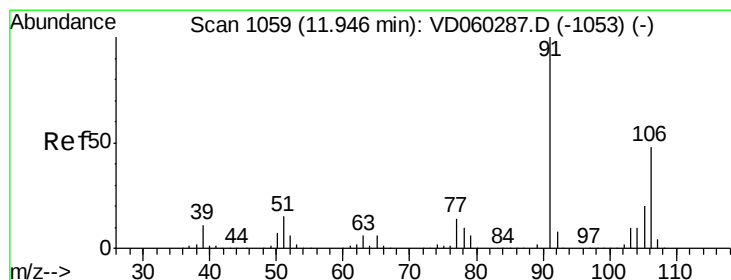
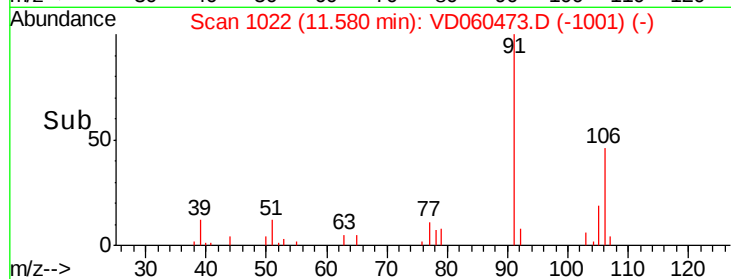
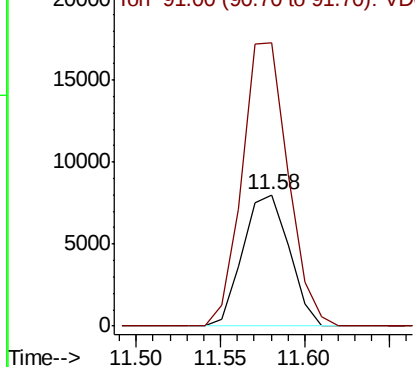
#68
m/p-Xylenes
Concen: 1.003 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Instrument :
MSVOA_D
ClientSampleId :
A0C10-02A-(6-12)RE

Tot Ion:106 Resp: 15251
Ion Ratio Lower Upper
106 100
91 215.5 159.4 239.2

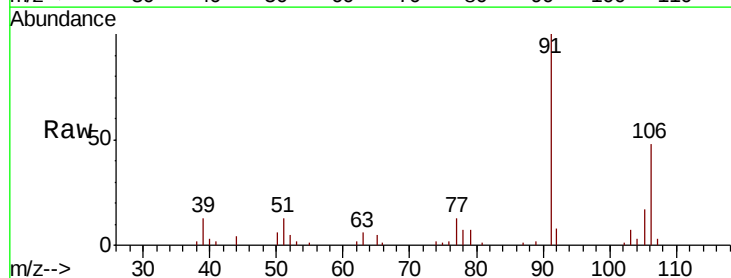


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

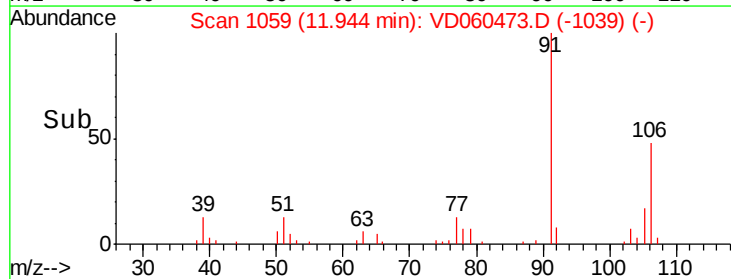
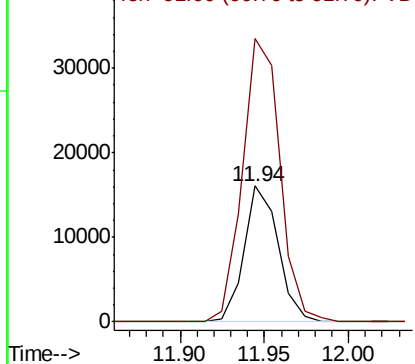


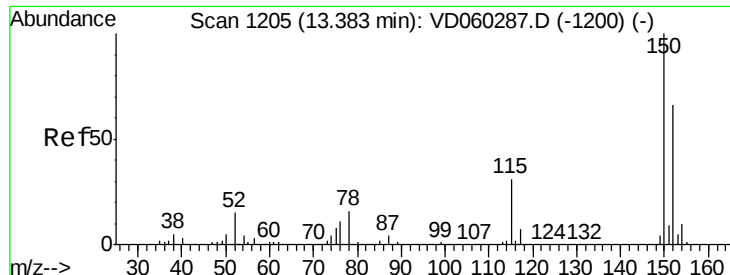
#69
o-Xylene
Concen: 1.538 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion:106 Resp: 22590
Ion Ratio Lower Upper
106 100
91 208.7 109.2 327.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD060473.D

Acq: 3 Dec 2018 14:18

Instrument :

MSVOA_D

ClientSampleId :

A0C10-02A-(6-12)RE

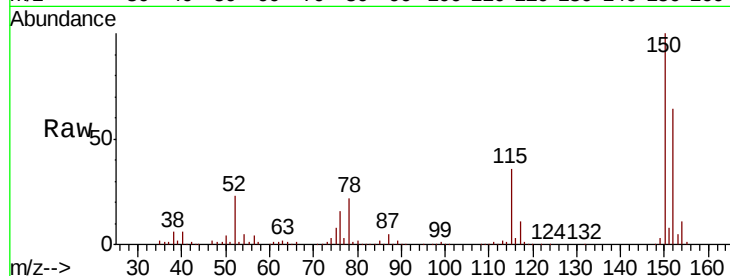
Tot Ion:152 Resp: 377879

Ion Ratio Lower Upper

152 100

115 56.4 24.1 72.3

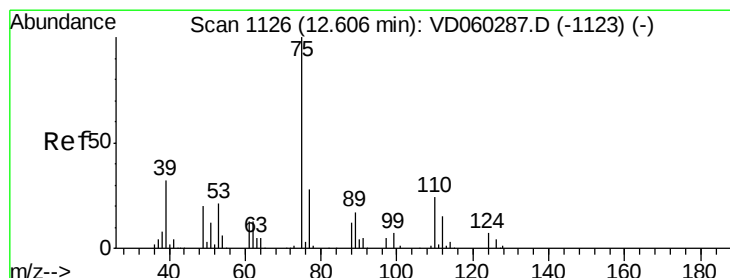
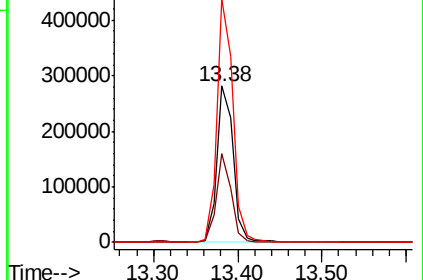
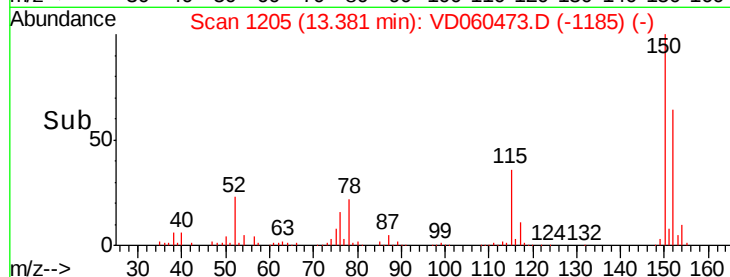
150 155.7 0.0 310.6



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



#76

1,2,3-Trichloropropane

Concen: 29.928 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.17 min

Lab File: VD060473.D

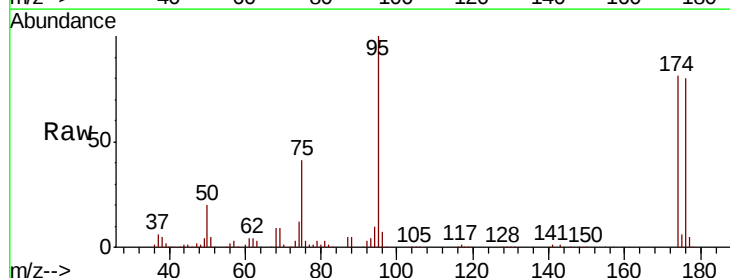
Acq: 3 Dec 2018 14:18

Tgt Ion: 75 Resp: 135283

Ion Ratio Lower Upper

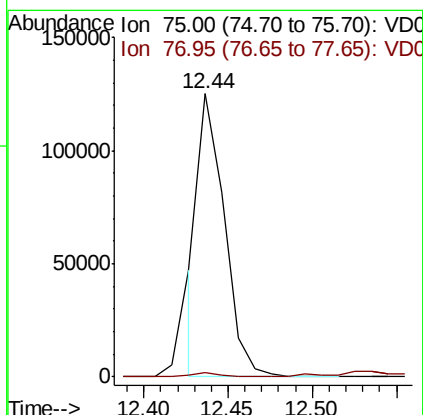
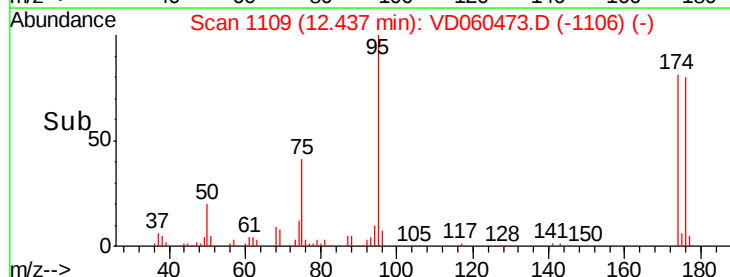
75 100

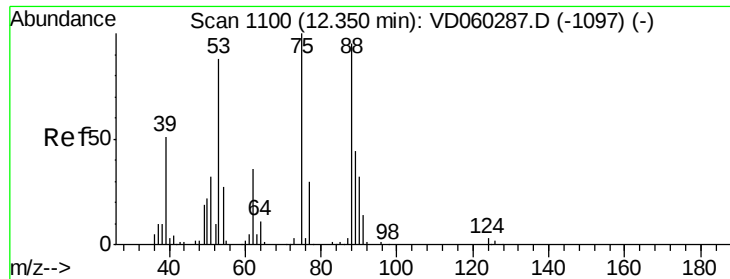
77 1.4 16.4 49.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 129.170 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.09 min

Lab File: VD060473.D

Acq: 3 Dec 2018 14:18

Instrument :

MSVOA_D

ClientSampleId :

A0C10-02A-(6-12)RE

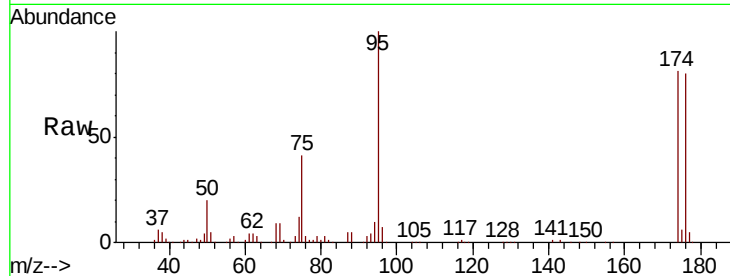
Tot Ion: 75 Resp: 166232

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

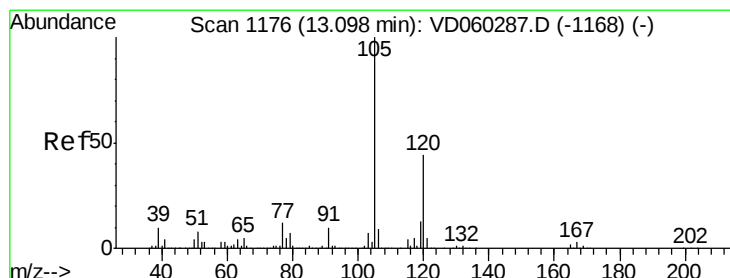
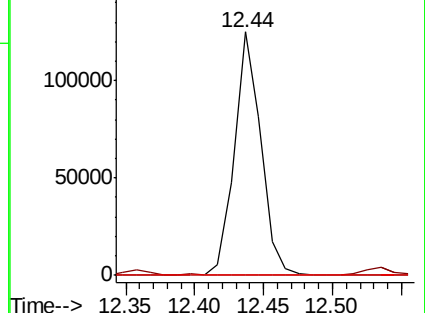
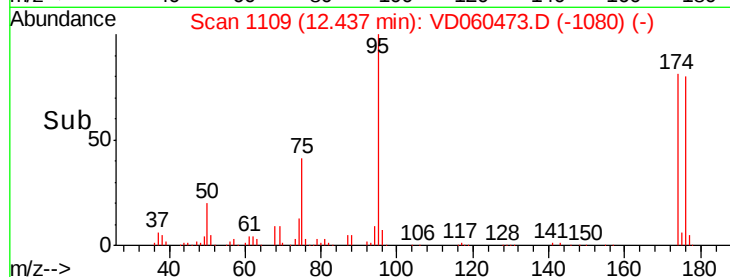
89 0.0 34.1 51.1#



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: 1.238 ug/l

RT: 13.11 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VD060473.D

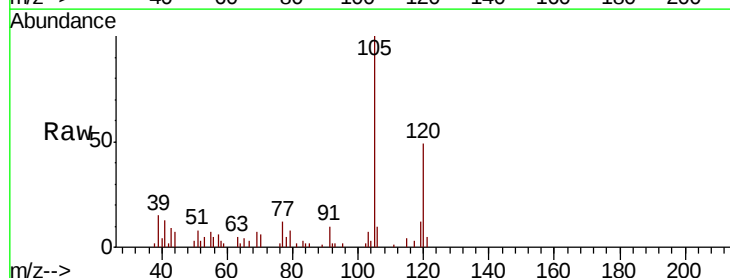
Acq: 3 Dec 2018 14:18

Tgt Ion: 105 Resp: 26447

Ion Ratio Lower Upper

105 100

120 48.6 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

