

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY013120\
 Data File : VY001457.D
 Acq On : 31 Jan 2020 15:53
 Operator : SY/MD
 Sample : L1351-01
 Misc : 4.99G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TAL-1

Quant Time: Jan 31 16:13:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	157238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	289066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	260054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	106947	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	92751	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	
35) Dibromofluoromethane	7.75	113	85511	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
50) Toluene-d8	10.19	98	342120	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.49	95	118458	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	

Target Compounds

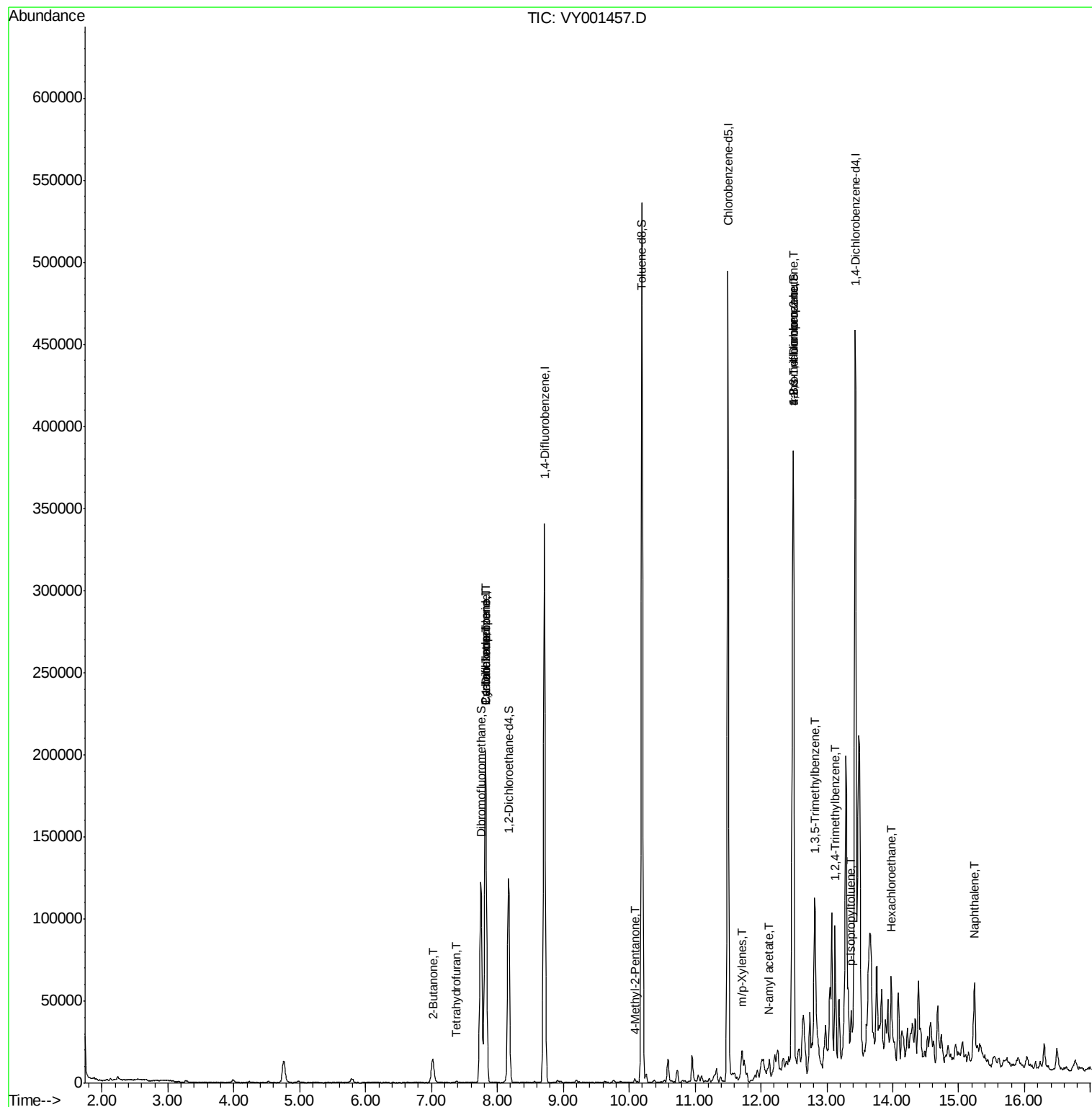
						Qvalue
11) Tert butyl alcohol	4.97	59	258	Below Cal	#	74
16) Acetone	3.99	43	3311	Below Cal		99
25) 2-Butanone	7.04	43	1937	2.60	ug/l #	85
29) Tetrahydrofuran	7.38	42	598	1.23	ug/l #	65
31) Cyclohexane	7.82	56	3870	1.17	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	12381	4.53	ug/l #	49
38) Carbon Tetrachloride	7.82	117	15280	6.28	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1744	1.04	ug/l	88
68) m/p-Xylenes	11.71	106	3889	1.03	ug/l	98
74) N-amyl acetate	12.13	43	3352	1.21	ug/l #	49
76) 1,2,3-Trichloropropane	12.49	75	59359	46.06	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.82	105	25703	3.65	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.49	75	59359	87.16	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.13	105	43718	6.18	ug/l	98
86) p-Isopropyltoluene	13.38	119	8752	1.18	ug/l	99
90) Hexachloroethane	13.98	117	1462	1.04	ug/l #	15
95) Naphthalene	15.24	128	33757	6.63	ug/l	97

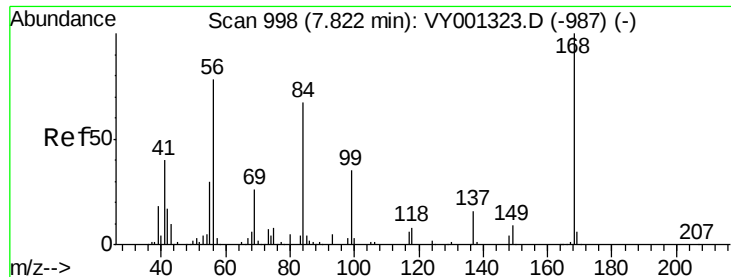
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.00 min

Lab File: VY001457.D

Acq: 31 Jan 2020 15:53

Instrument :

MSVOA_Y

ClientSampled :

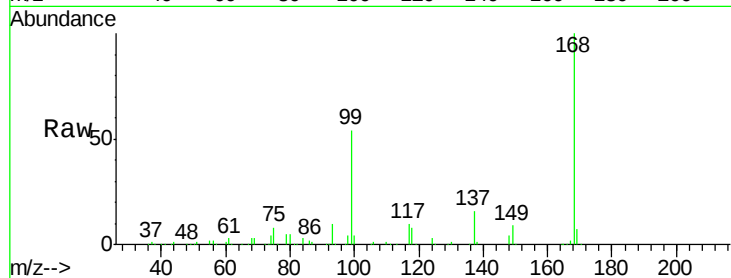
TAL-1

Tgt Ion:168 Resp: 157238

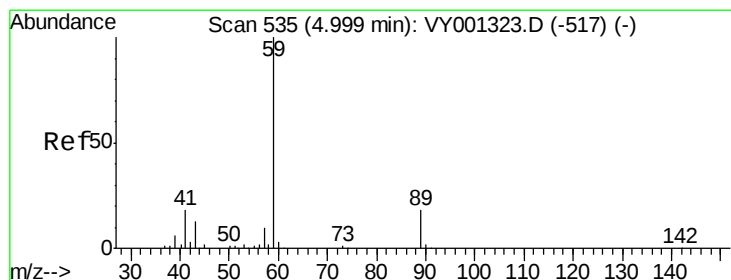
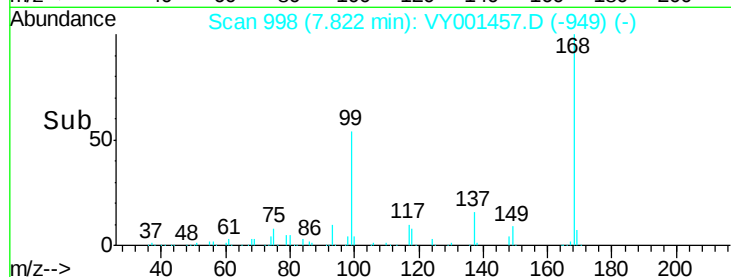
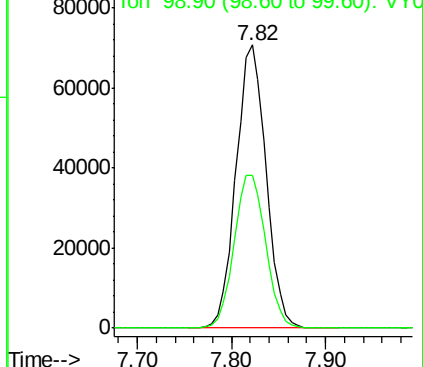
Ion Ratio Lower Upper

168 100

99 54.2 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001457.D (-949) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.02 min

Lab File: VY001457.D

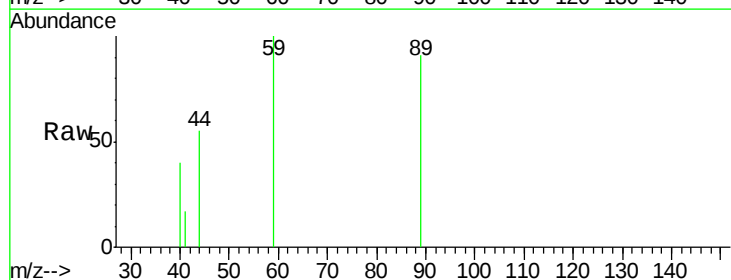
Acq: 31 Jan 2020 15:53

Tgt Ion: 59 Resp: 258

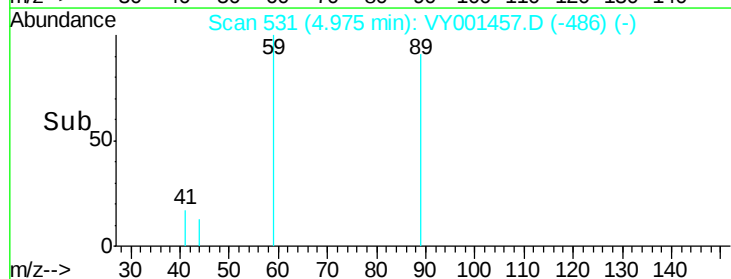
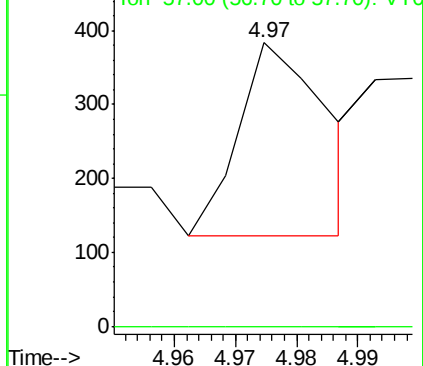
Ion Ratio Lower Upper

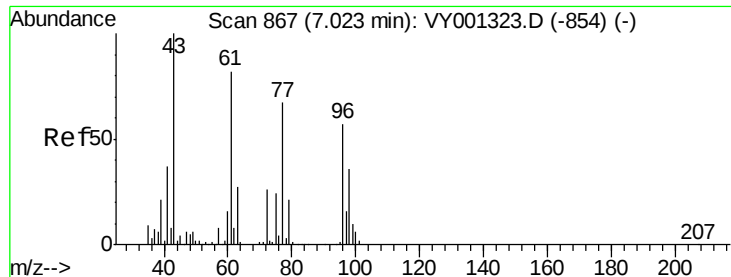
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001457.D (-486) (-)





#25

2-Butanone

Concen: 2.60 ug/l

RT: 7.04 min Scan# 869

Delta R.T. 0.01 min

Lab File: VY001457.D

Acq: 31 Jan 2020 15:53

Instrument :

MSVOA_Y

ClientSampled :

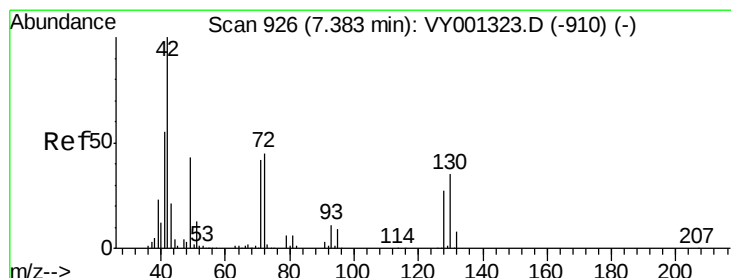
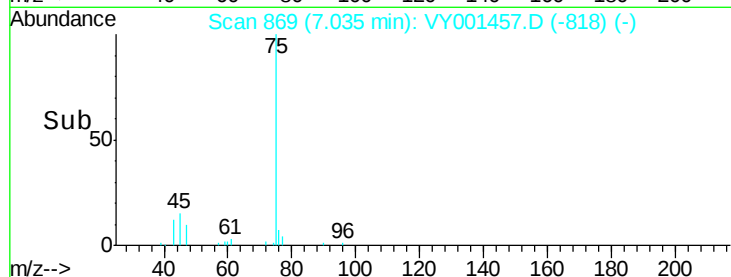
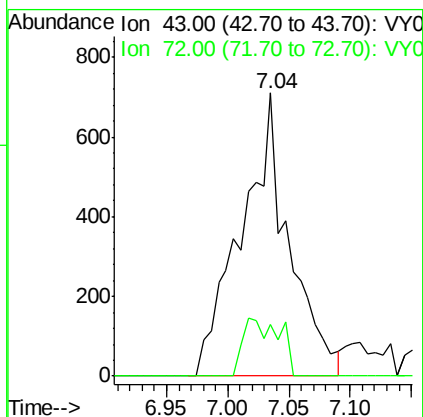
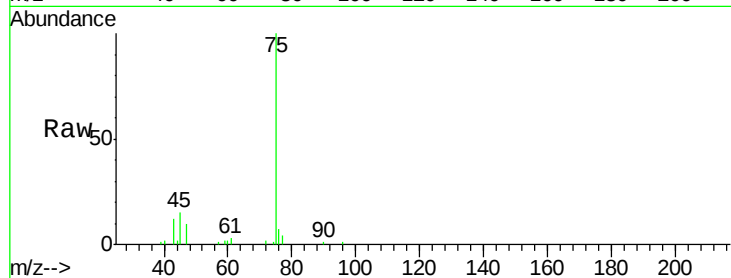
TAL-1

Tgt Ion: 43 Resp: 1937

Ion Ratio Lower Upper

43 100

72 18.2 20.6 31.0#



#29

Tetrahydrofuran

Concen: 1.23 ug/l

RT: 7.38 min Scan# 926

Delta R.T. 0.00 min

Lab File: VY001457.D

Acq: 31 Jan 2020 15:53

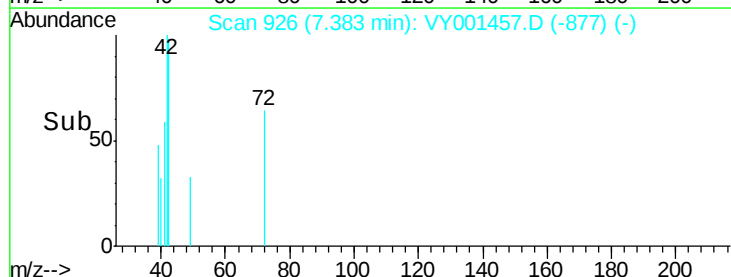
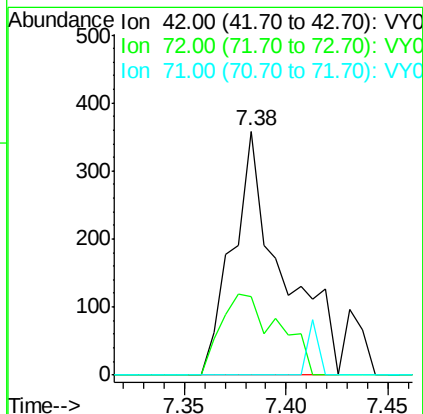
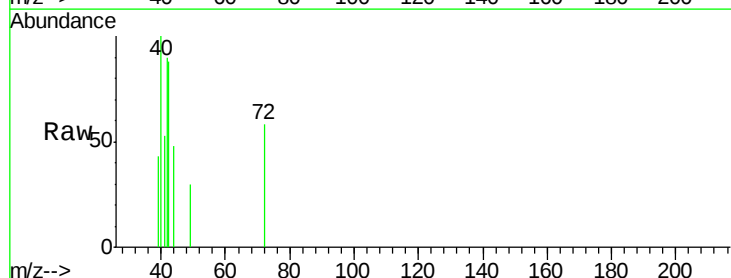
Tgt Ion: 42 Resp: 598

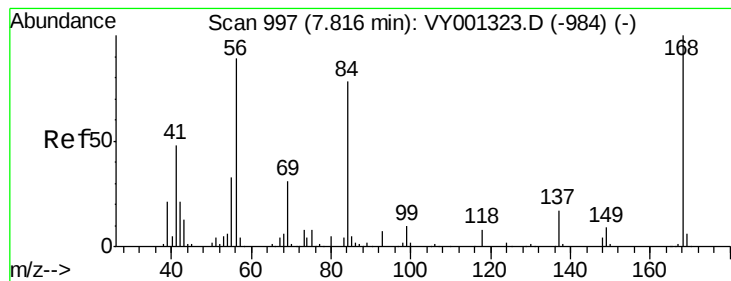
Ion Ratio Lower Upper

42 100

72 39.1 34.6 51.8

71 0.0 32.6 48.8#





#31

Cyclohexane

Concen: 1.17 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001457.D

Acq: 31 Jan 2020 15:53

Instrument :

MSVOA_Y

ClientSampleId :

TAL-1

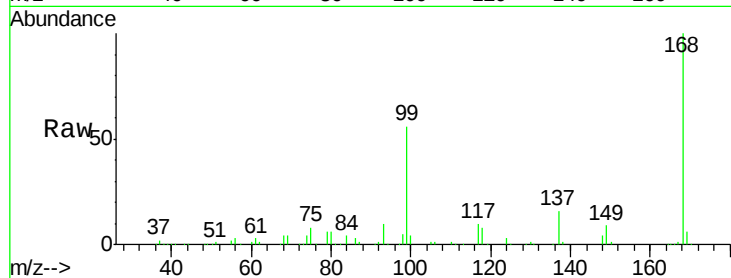
Tgt Ion: 56 Resp: 3870

Ion Ratio Lower Upper

56 100

69 143.1 27.6 41.4#

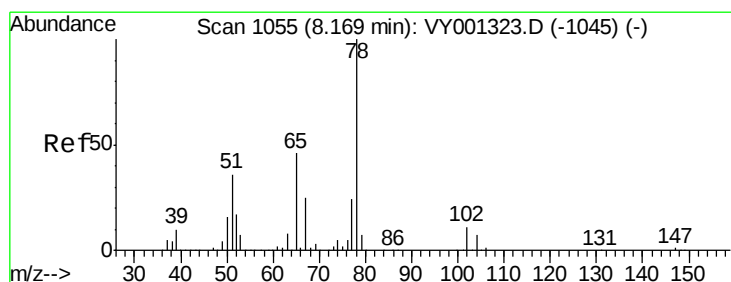
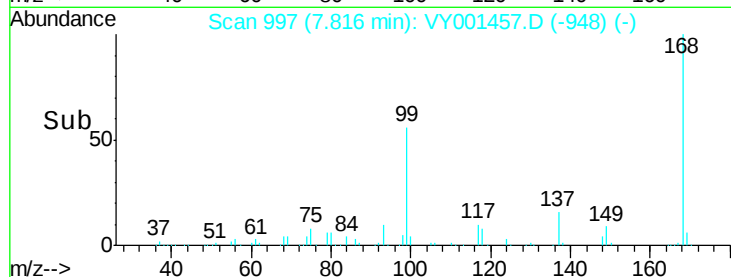
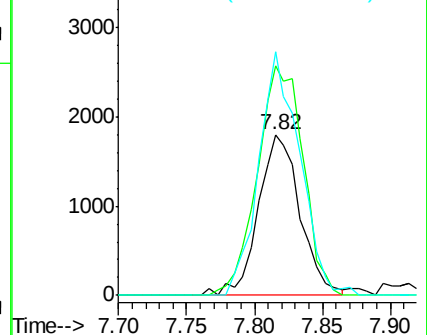
84 151.8 69.7 104.5#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 54.21 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY001457.D

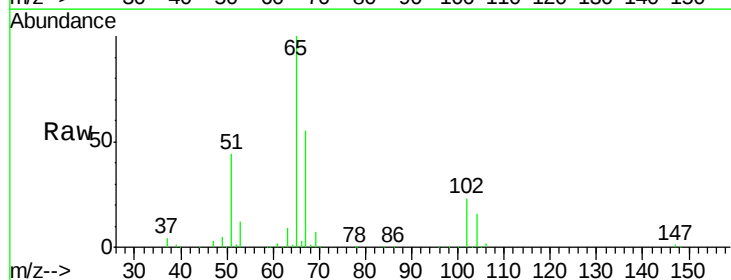
Acq: 31 Jan 2020 15:53

Tgt Ion: 65 Resp: 92751

Ion Ratio Lower Upper

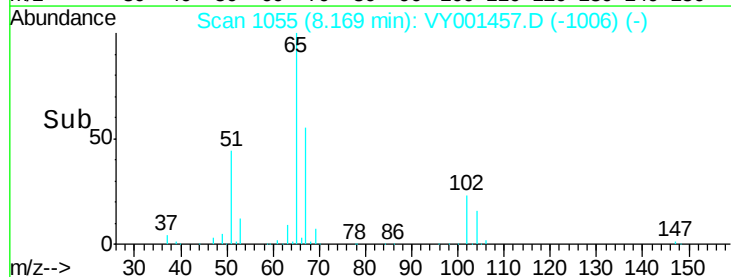
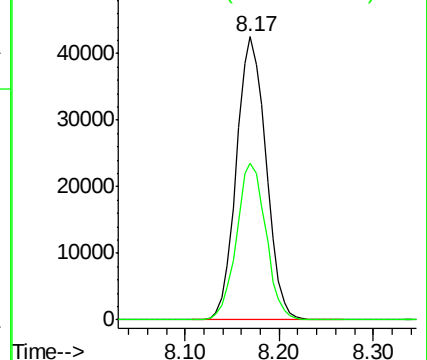
65 100

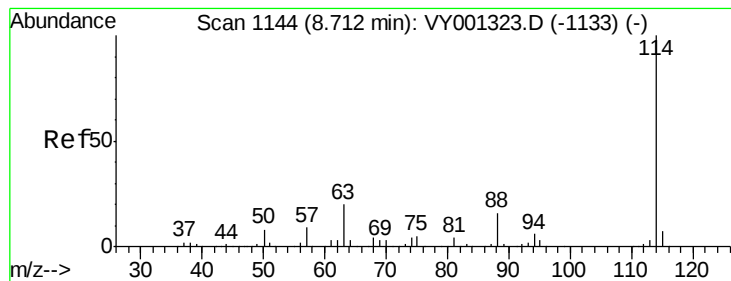
67 54.9 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY001457.D

Acq: 31 Jan 2020 15:53

Instrument :

MSVOA_Y

ClientSampleId :

TAL-1

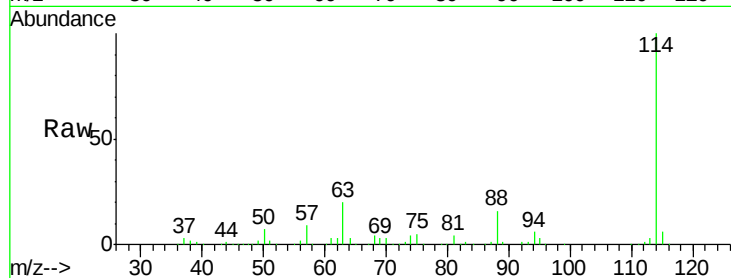
Tgt Ion:114 Resp: 289066

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

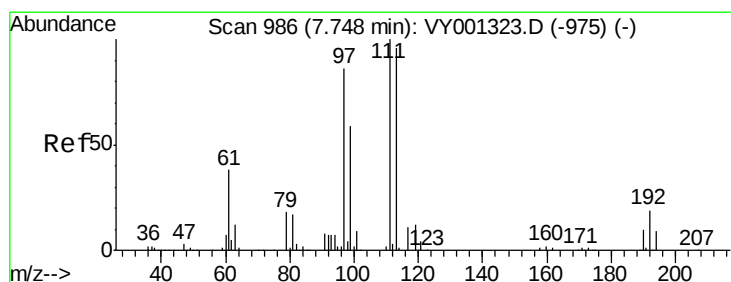
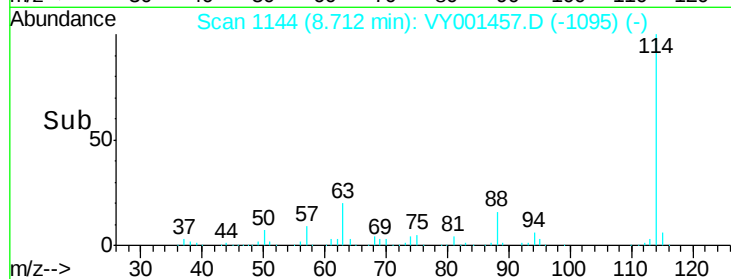
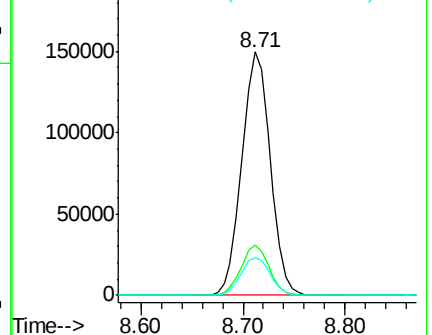
88 15.6 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 50.40 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY001457.D

Acq: 31 Jan 2020 15:53

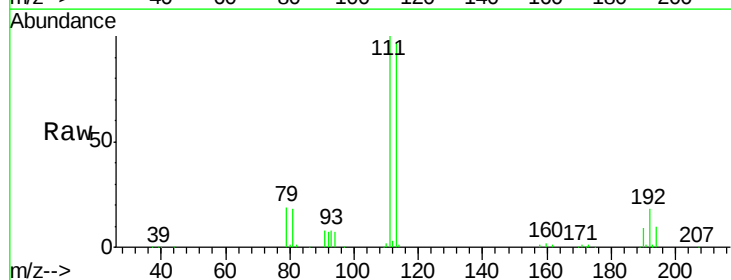
Tgt Ion:113 Resp: 85511

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

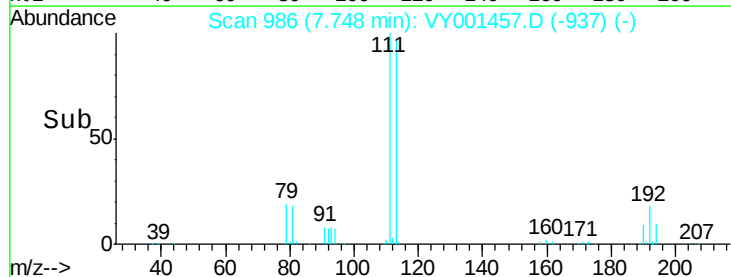
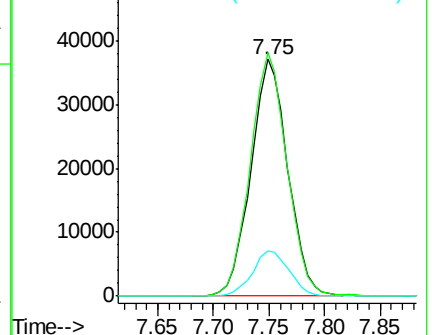
192 19.1 15.5 23.3

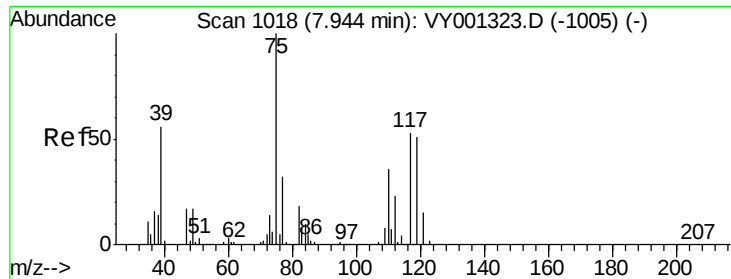


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

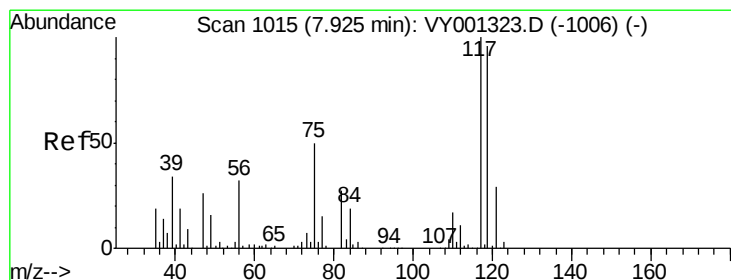
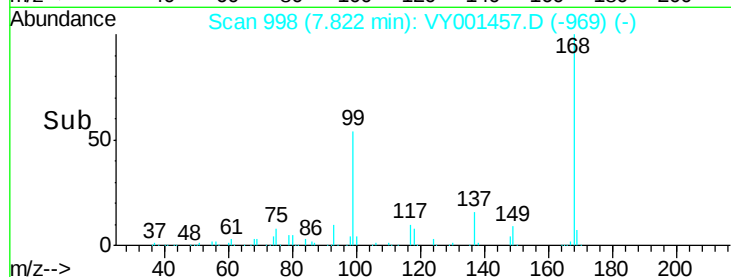
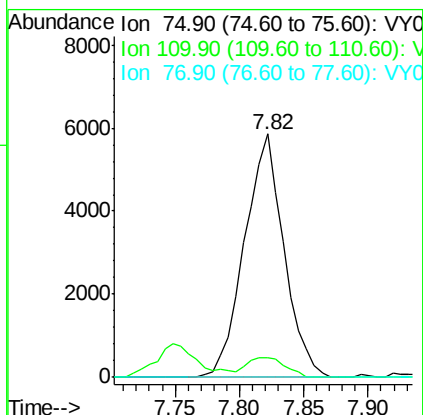
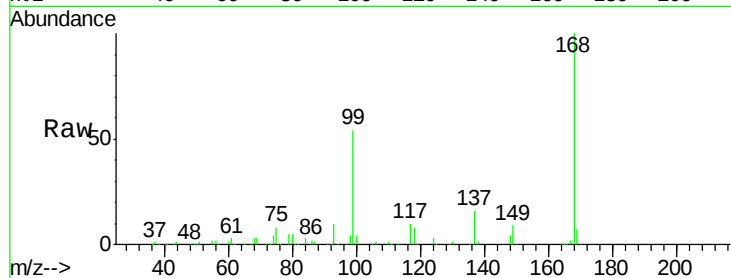




#36
 1,1-Dichloropropene
 Concen: 4.53 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001457.D
 Acq: 31 Jan 2020 15:53

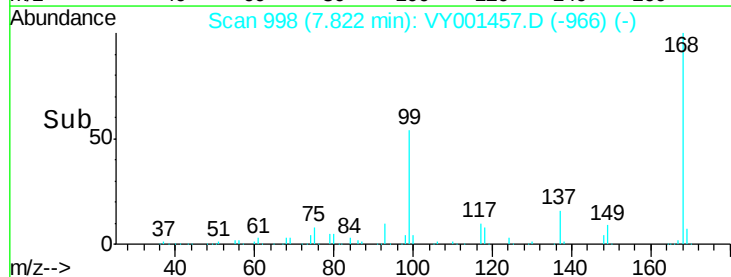
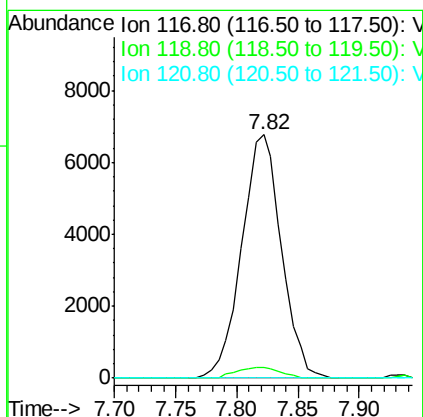
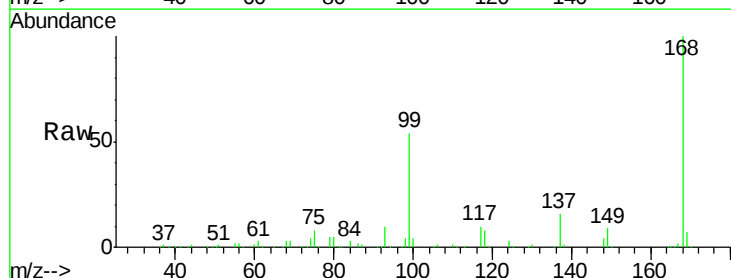
Instrument :
 MSVOA_Y
 ClientSampleId :
 TAL-1

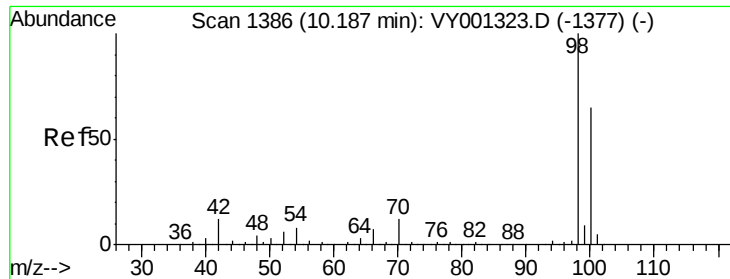
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.6	52.8#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.28 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY001457.D
 Acq: 31 Jan 2020 15:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 51.90 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001457.D

Acq: 31 Jan 2020 15:53

Instrument :

MSVOA_Y

ClientSampled :

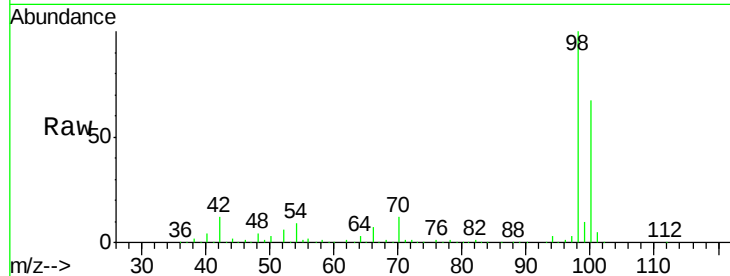
TAL-1

Tgt Ion: 98 Resp: 342120

Ion Ratio Lower Upper

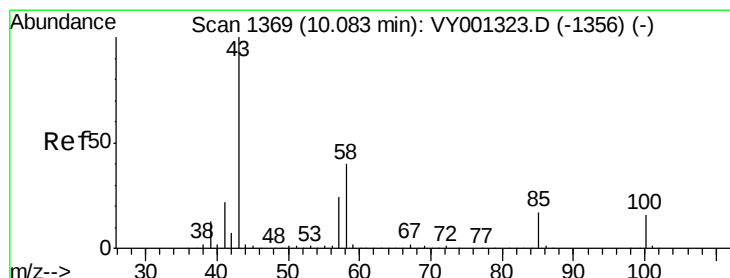
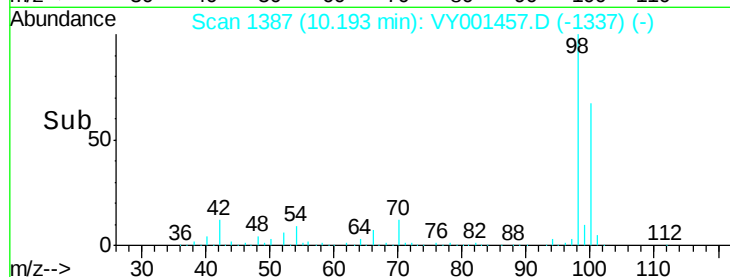
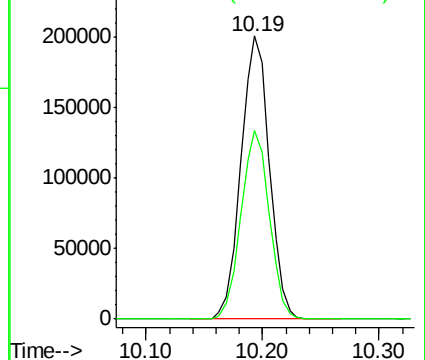
98 100

100 66.2 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#51

4-Methyl-2-Pentanone

Concen: 1.04 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001457.D

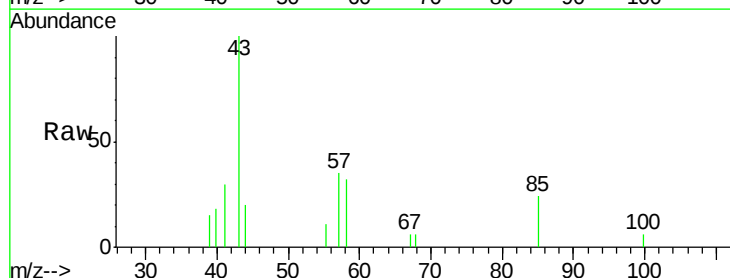
Acq: 31 Jan 2020 15:53

Tgt Ion: 43 Resp: 1744

Ion Ratio Lower Upper

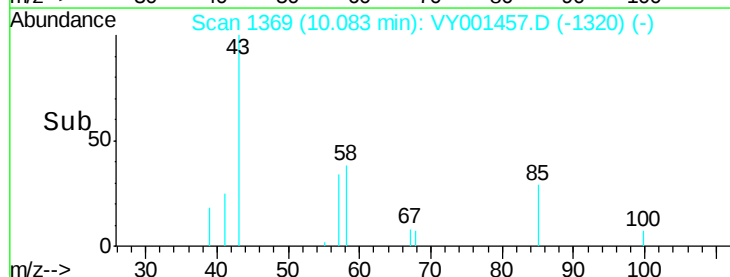
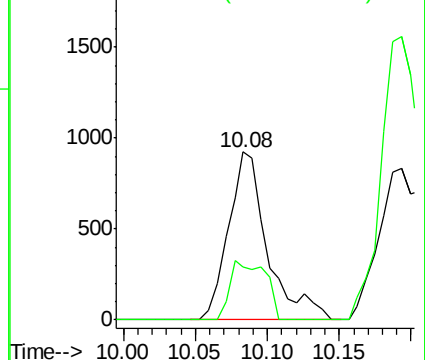
43 100

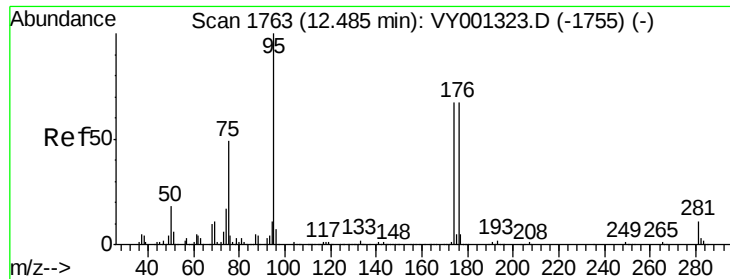
58 32.1 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

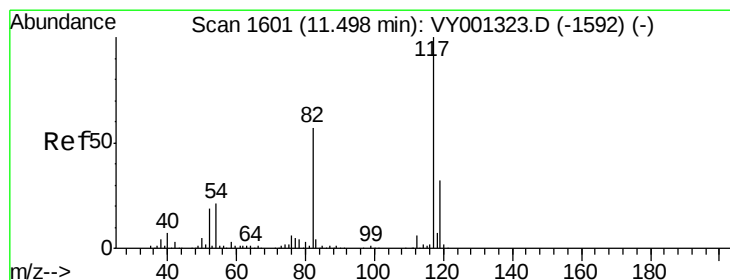
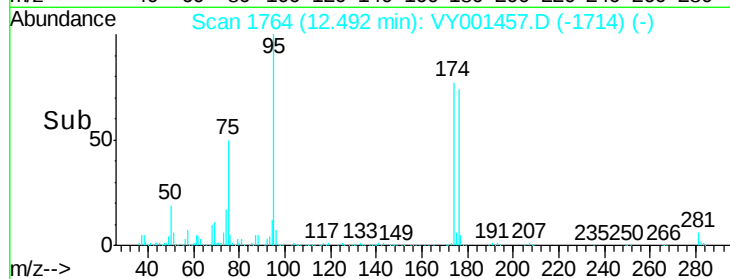
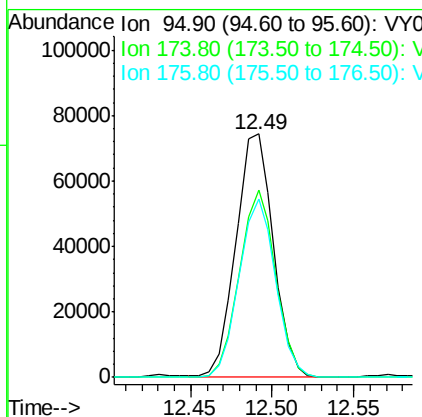
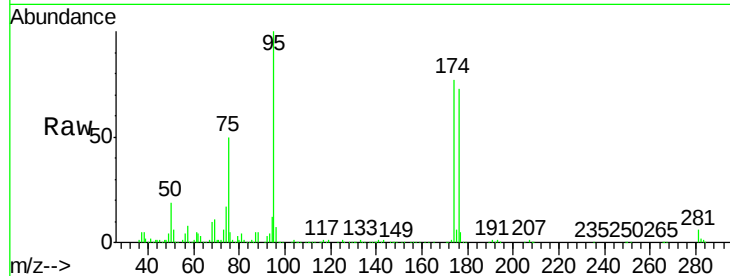




#62
4-Bromofluorobenzene
Concen: 45.13 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001457.D
Acq: 31 Jan 2020 15:53

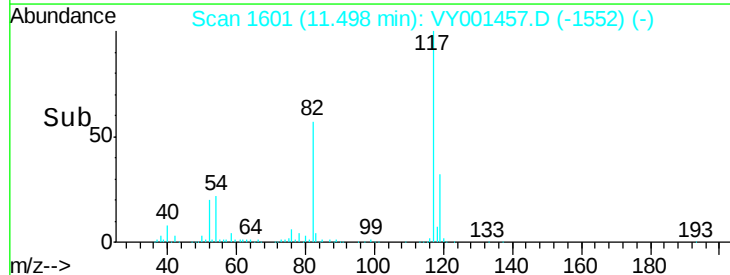
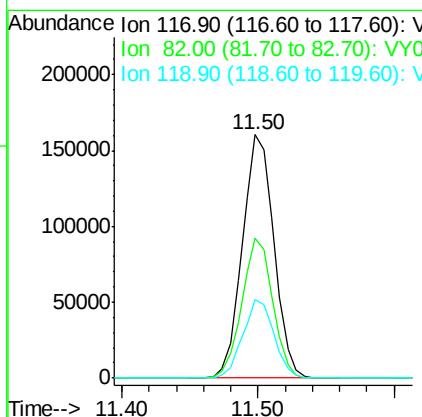
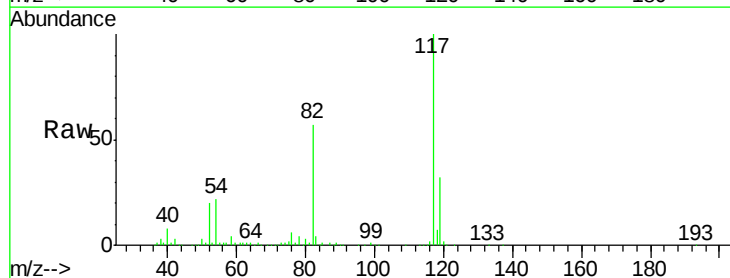
Instrument :
MSVOA_Y
ClientSampled :
TAL-1

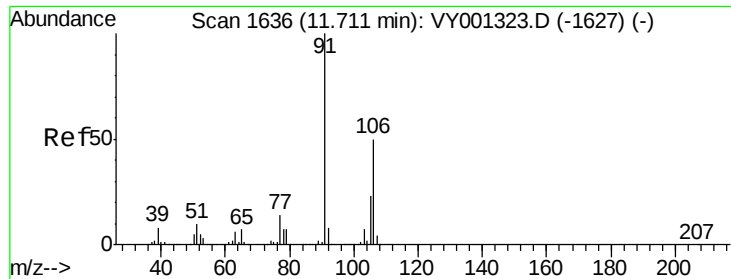
Tgt Ion: 95 Resp: 118458
Ion Ratio Lower Upper
95 100
174 74.9 0.0 142.0
176 71.6 0.0 138.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001457.D
Acq: 31 Jan 2020 15:53

Tgt Ion: 117 Resp: 260054
Ion Ratio Lower Upper
117 100
82 57.3 45.5 68.3
119 32.4 25.8 38.6

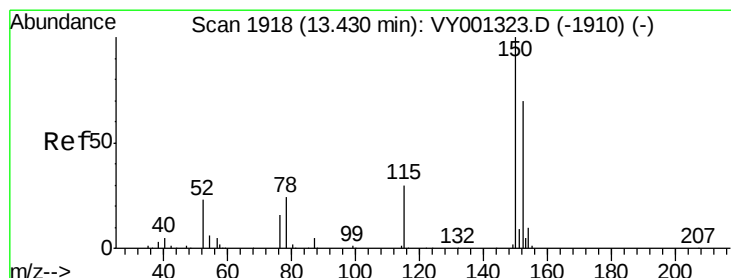
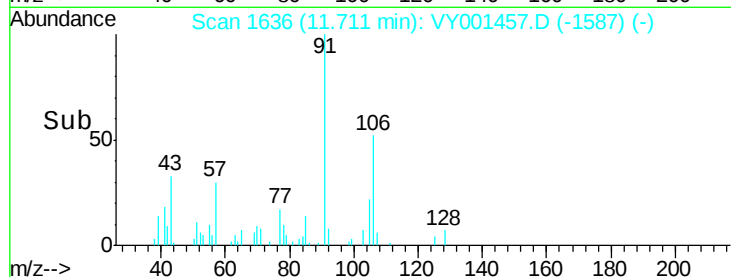
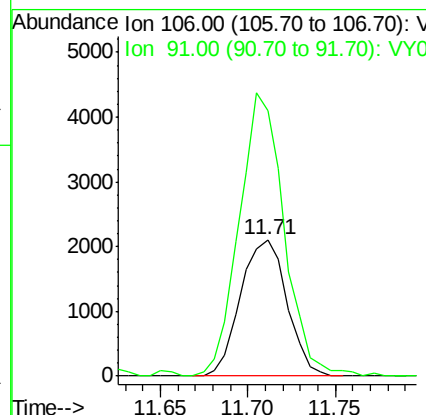
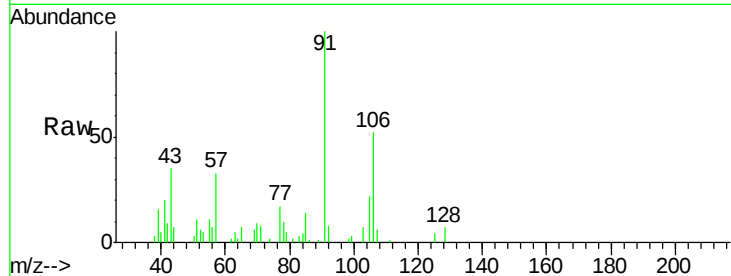




#68
m/p-Xylenes
Concen: 1.03 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001457.D
Acq: 31 Jan 2020 15:53

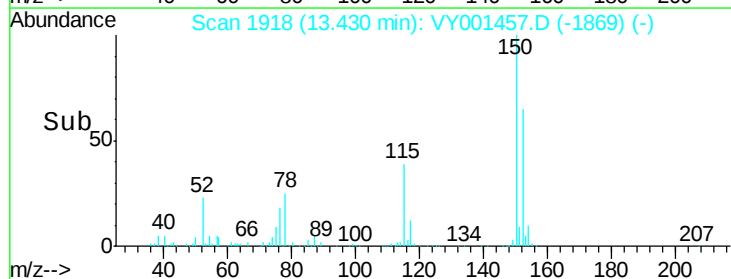
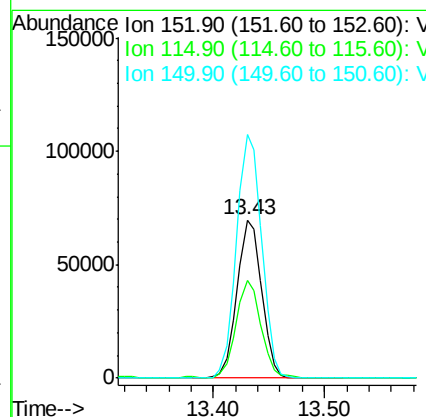
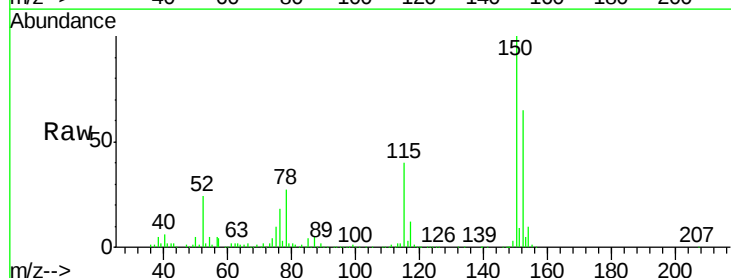
Instrument :
MSVOA_Y
ClientSampled :
TAL-1

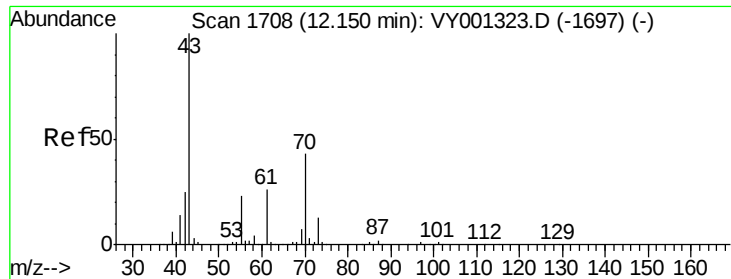
Tgt Ion:106 Resp: 3889
Ion Ratio Lower Upper
106 100
91 201.0 162.8 244.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY001457.D
Acq: 31 Jan 2020 15:53

Tgt Ion:152 Resp: 106947
Ion Ratio Lower Upper
152 100
115 62.7 30.9 92.8
150 157.3 0.0 349.2





#74

N-ethyl acetate

Concen: 1.21 ug/l

RT: 12.13 min Scan# 1705

Delta R.T. -0.02 min

Lab File: VY001457.D

Acq: 31 Jan 2020 15:53

Instrument :

MSVOA_Y

ClientSampleId :

TAL-1

Tgt Ion: 43 Resp: 3352

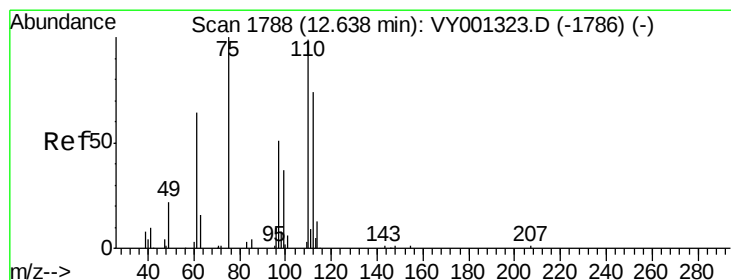
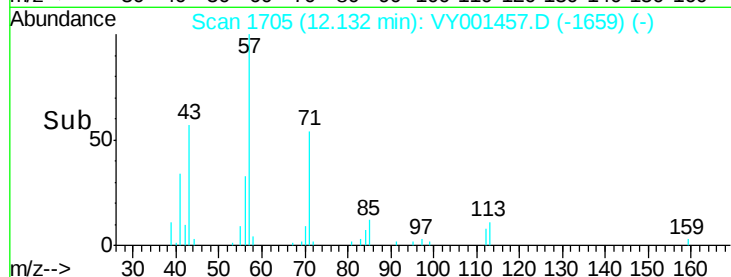
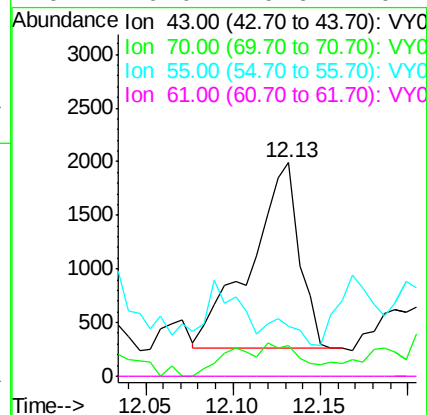
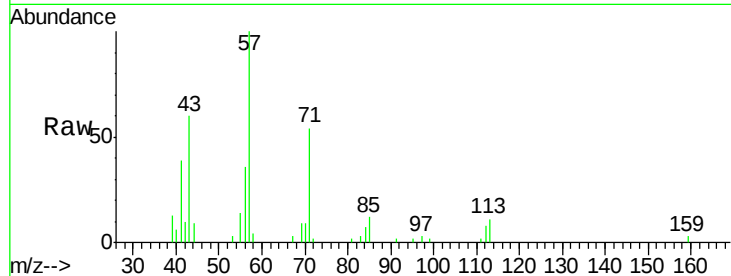
Ion Ratio Lower Upper

43 100

70 8.0 33.5 50.3#

55 0.0 18.2 27.2#

61 0.0 19.6 29.4#



#76

1,2,3-Trichloropropane

Concen: 46.06 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001457.D

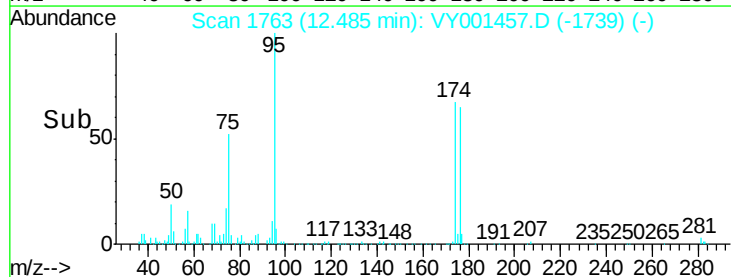
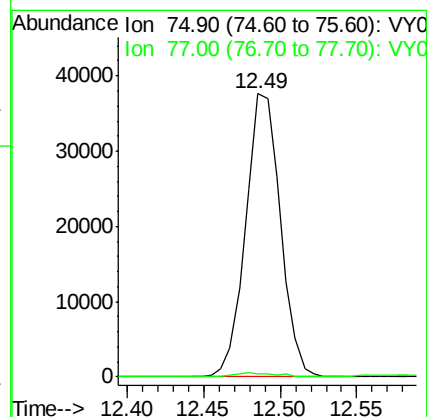
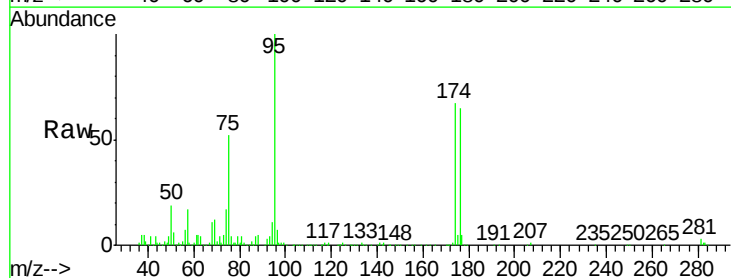
Acq: 31 Jan 2020 15:53

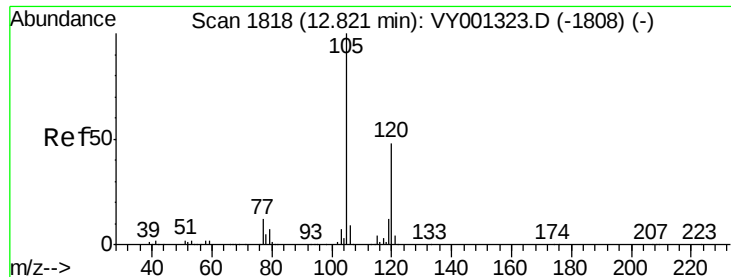
Tgt Ion: 75 Resp: 59359

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 3.65 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001457.D

Acq: 31 Jan 2020 15:53

Instrument :

MSVOA_Y

ClientSampled :

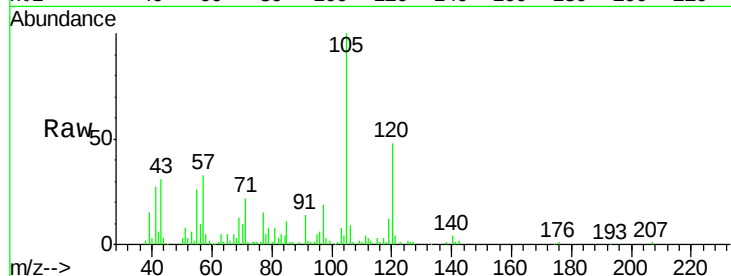
TAL-1

Tgt Ion:105 Resp: 25703

Ion Ratio Lower Upper

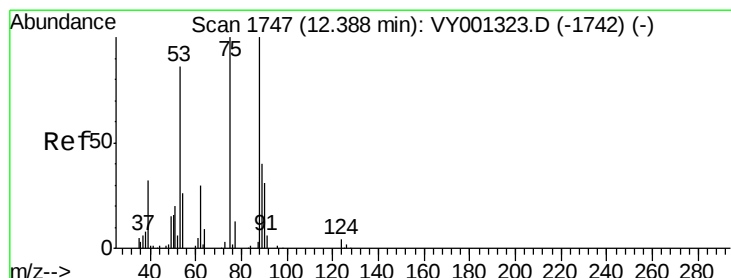
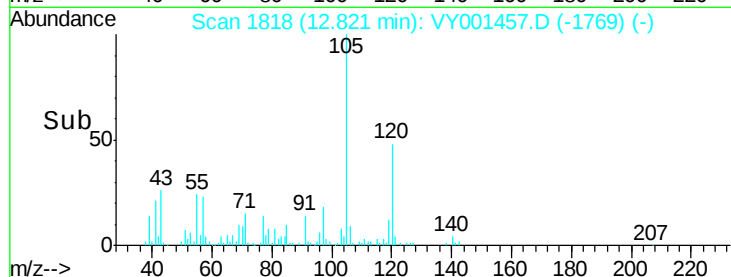
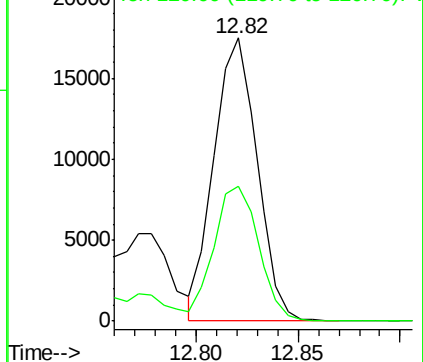
105 100

120 49.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 87.16 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001457.D

Acq: 31 Jan 2020 15:53

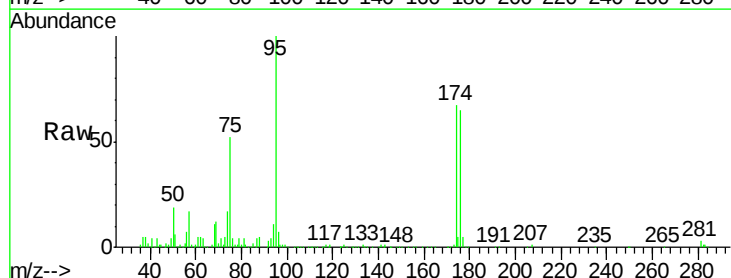
Tgt Ion: 75 Resp: 59359

Ion Ratio Lower Upper

75 100

53 2.4 69.9 104.9#

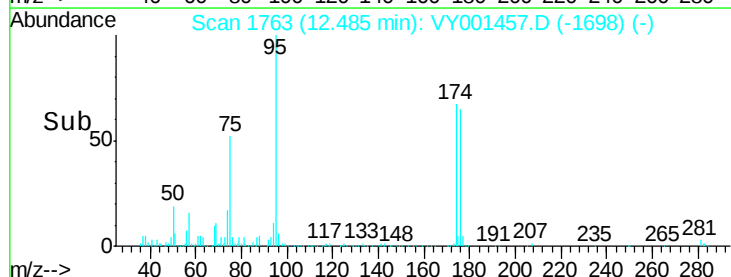
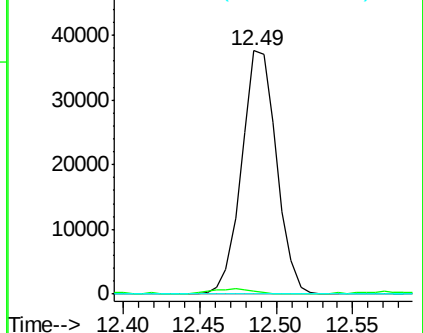
89 0.0 36.6 54.8#

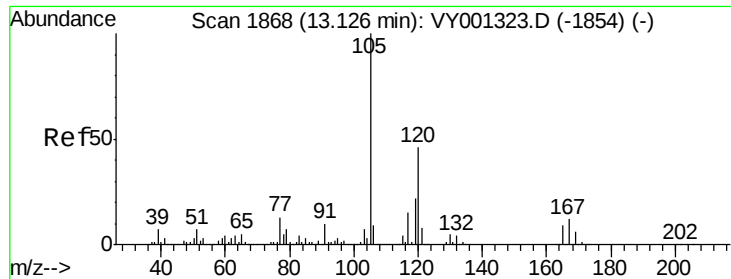


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

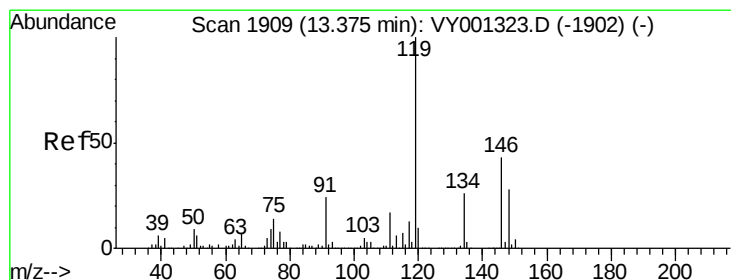
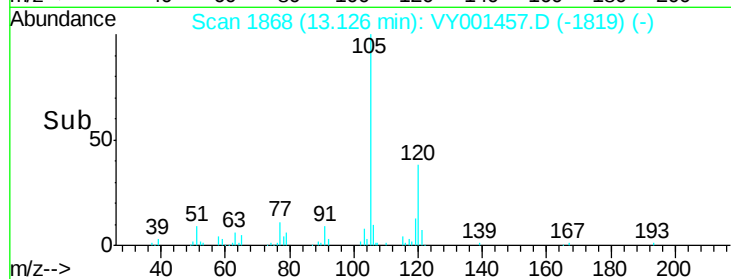
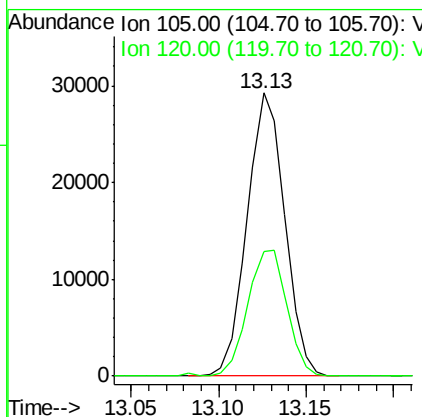
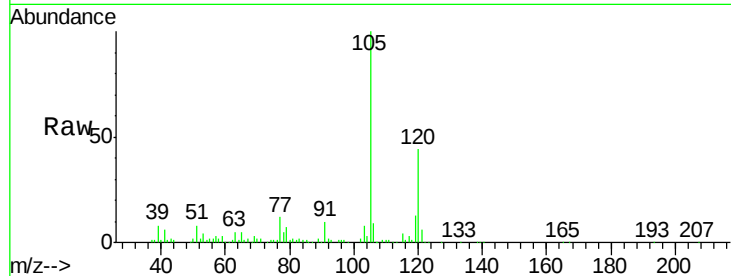




#84
 1,2,4-Trimethylbenzene
 Concen: 6.18 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY001457.D
 Acq: 31 Jan 2020 15:53

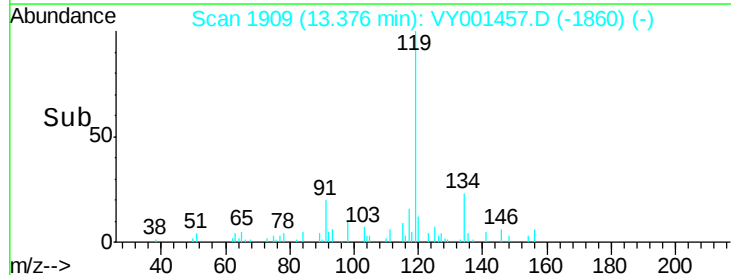
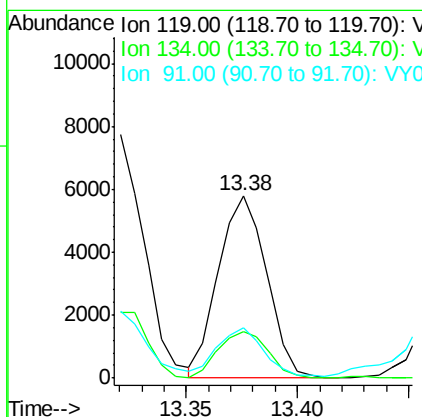
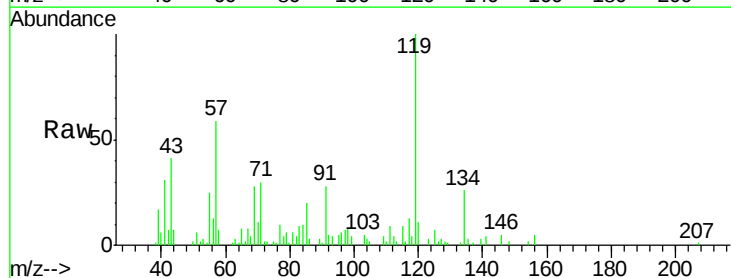
Instrument :
 MSVOA_Y
 ClientSampleId :
 TAL-1

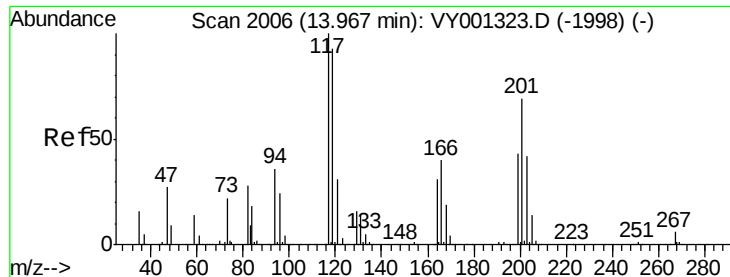
Tgt Ion:105 Resp: 43718
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.4 67.3



#86
 p-Isopropyltoluene
 Concen: 1.18 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001457.D
 Acq: 31 Jan 2020 15:53

Tgt Ion:119 Resp: 8752
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.5 40.4
 91 24.9 12.2 36.6





#90

Hexachloroethane

Concen: 1.04 ug/l

RT: 13.98 min Scan# 2008

Delta R.T. 0.01 min

Lab File: VY001457.D

Acq: 31 Jan 2020 15:53

Instrument :

MSVOA_Y

ClientSampled :

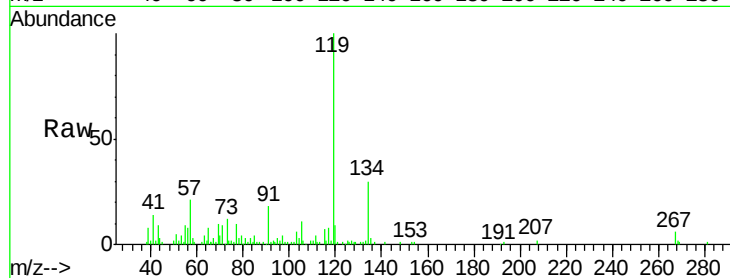
TAL-1

Tgt Ion:117 Resp: 1462

Ion Ratio Lower Upper

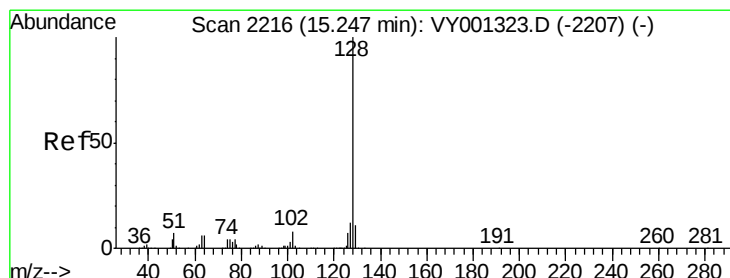
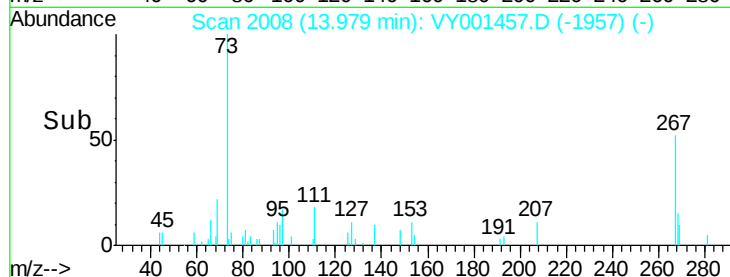
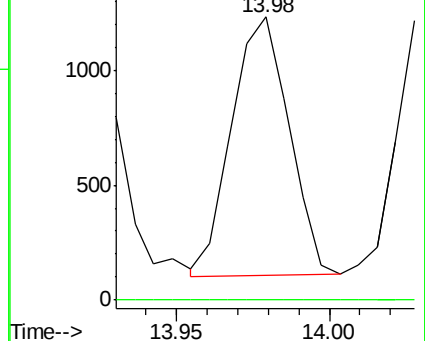
117 100

201 0.0 34.6 103.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 6.63 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY001457.D

Acq: 31 Jan 2020 15:53

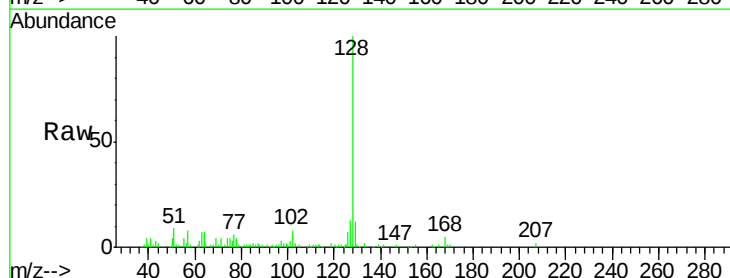
Tgt Ion:128 Resp: 33757

Ion Ratio Lower Upper

128 100

127 14.1 10.2 15.2

129 12.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

