

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001569.D
 Acq On : 07 Feb 2020 20:51
 Operator : SY/MD
 Sample : L1449-01
 Misc : 5.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 08 01:29:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	169316	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	300427	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	273837	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	122712	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	98227	57.62	ug/l	0.00
Spiked Amount			Recovery	=	115.24%	
35) Dibromofluoromethane	7.75	113	88819	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
50) Toluene-d8	10.20	98	359493	54.85	ug/l	0.01
Spiked Amount			Recovery	=	109.70%	
62) 4-Bromofluorobenzene	12.50	95	123857	47.97	ug/l	0.01
Spiked Amount			Recovery	=	95.94%	

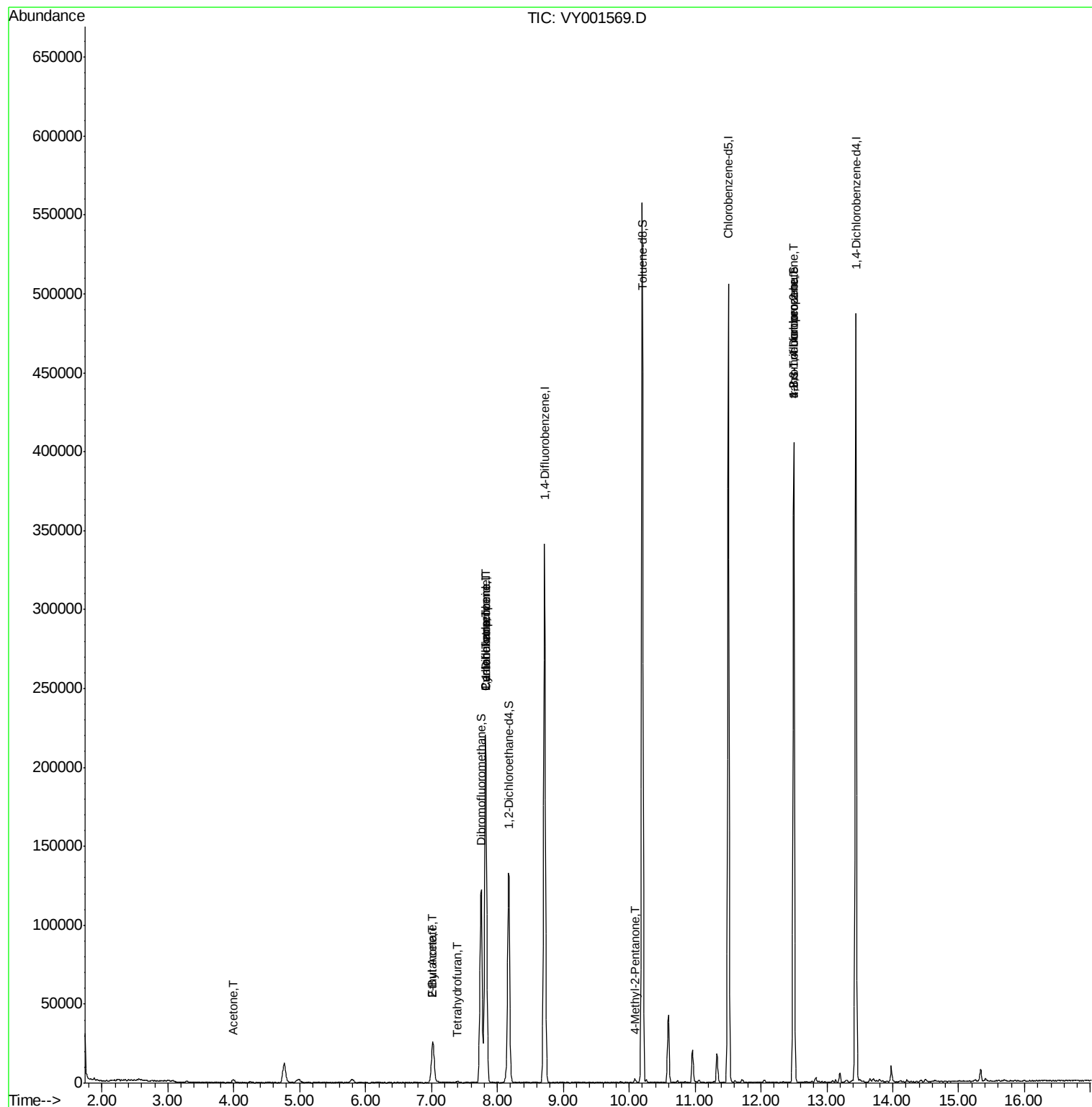
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	1702	Below Cal	#	81
16) Acetone	3.99	43	3445	6.986	ug/l	92
25) 2-Butanone	7.02	43	2447	3.825	ug/l	96
29) Tetrahydrofuran	7.39	42	649	1.693	ug/l #	70
31) Cyclohexane	7.82	56	4318	1.301	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	13788	5.017	ug/l #	48
37) Ethyl Acetate	7.02	43	2447	1.839	ug/l #	42
38) Carbon Tetrachloride	7.82	117	16599	6.243	ug/l #	16
51) 4-Methyl-2-Pentanone	10.09	43	1559	1.202	ug/l	100
76) 1,2,3-Trichloropropane	12.50	75	63354	48.008	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	63354	92.894	ug/l #	16

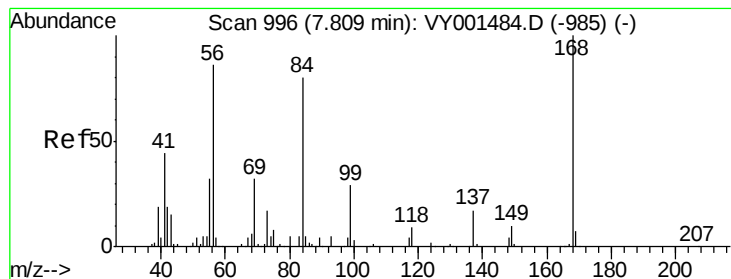
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001569.D

Acq: 07 Feb 2020 20:51

Instrument :

MSVOA_Y

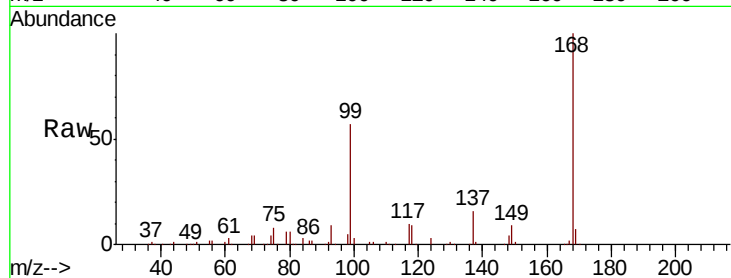
ClientSampleId :

Tot Ion:168 Resp: 169316

Ion Ratio Lower Upper

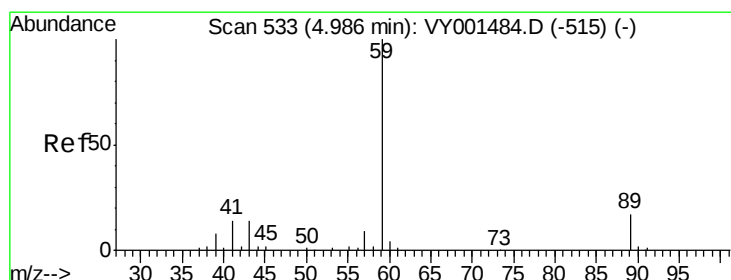
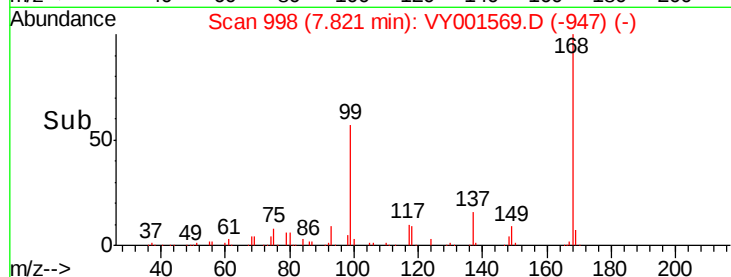
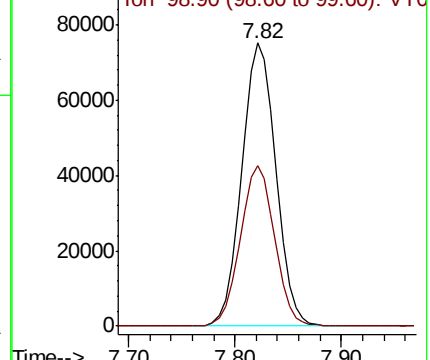
168 100

99 56.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001569.D

Ion 98.90 (98.60 to 99.60): VY001569.D



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001569.D

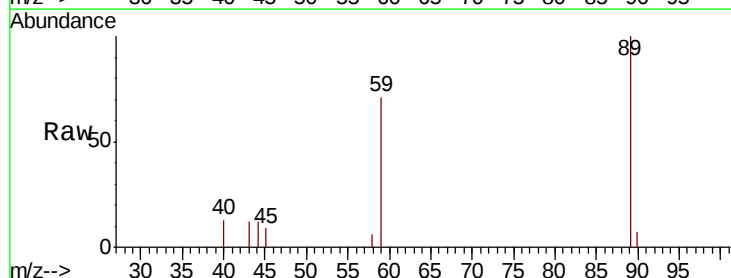
Acq: 07 Feb 2020 20:51

Tgt Ion: 59 Resp: 1702

Ion Ratio Lower Upper

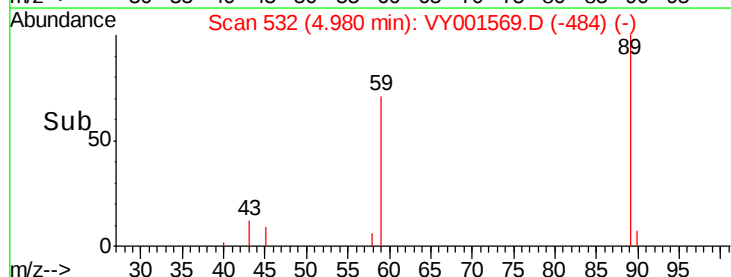
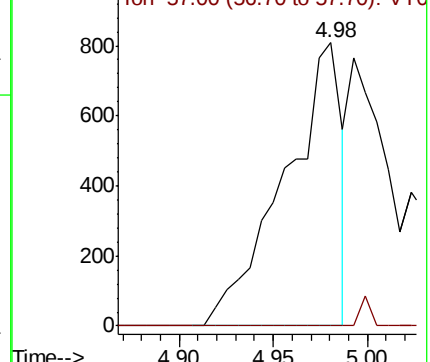
59 100

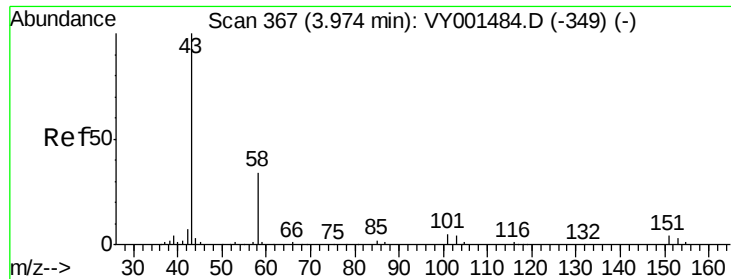
57 1.9 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001569.D

Ion 57.00 (56.70 to 57.70): VY001569.D





#16

Acetone

Concen: 6.986 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.02 min

Lab File: VY001569.D

Acq: 07 Feb 2020 20:51

Instrument :

MSVOA_Y

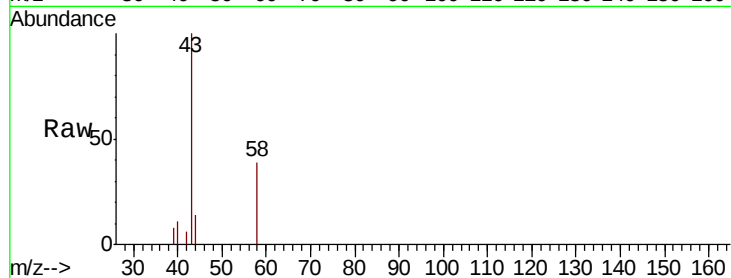
ClientSampled :

Tot Ion: 43 Resp: 3445

Ion Ratio Lower Upper

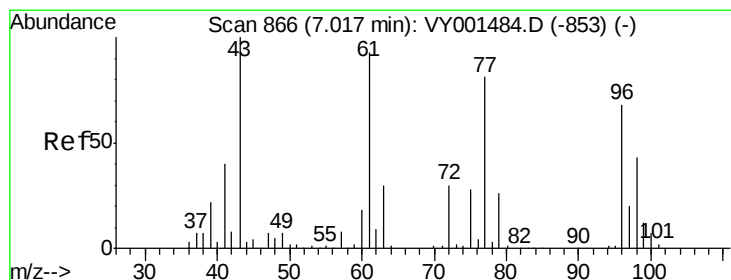
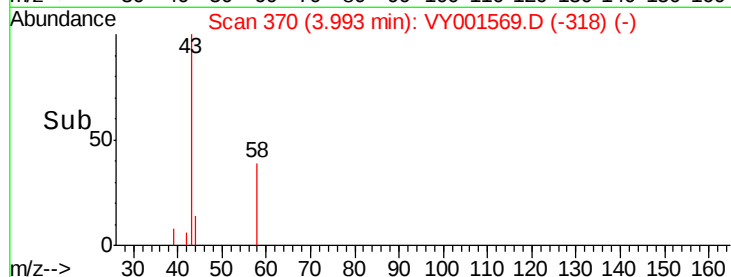
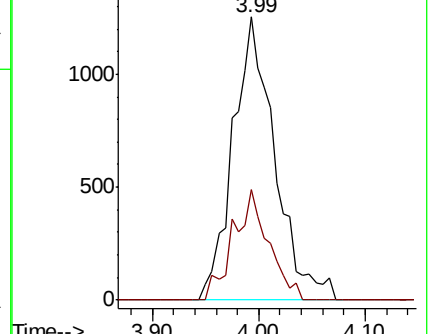
43 100

58 38.9 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#25

2-Butanone

Concen: 3.825 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001569.D

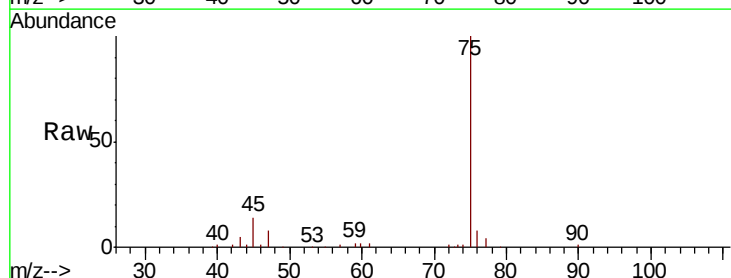
Acq: 07 Feb 2020 20:51

Tgt Ion: 43 Resp: 2447

Ion Ratio Lower Upper

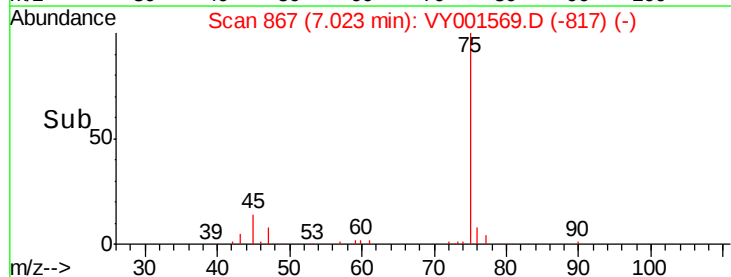
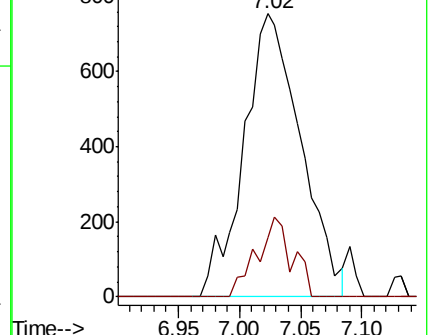
43 100

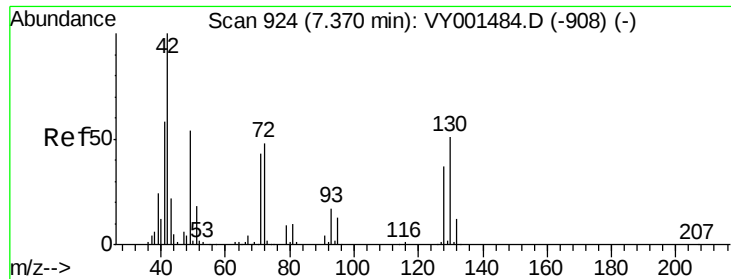
72 27.9 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

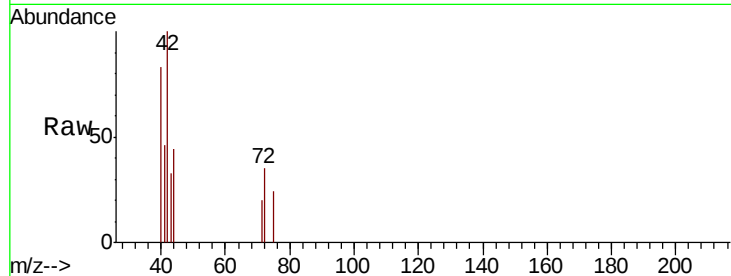




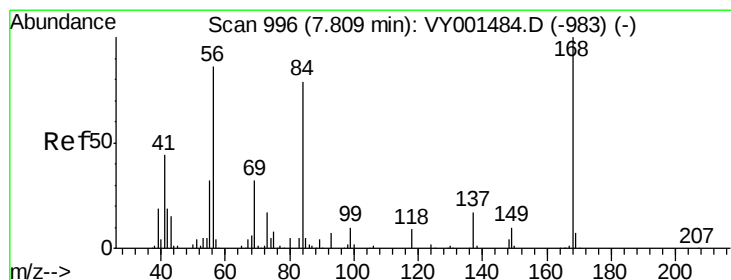
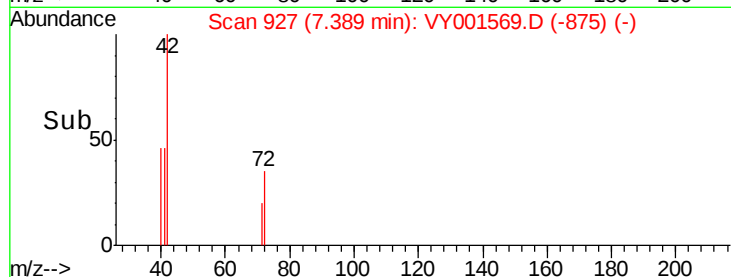
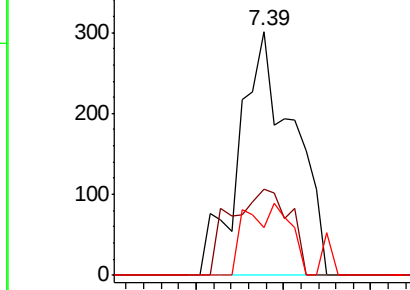
#29
Tetrahydrofuran
Concen: 1.693 ug/l
RT: 7.39 min Scan# 927
Delta R.T. 0.02 min
Lab File: VY001569.D
Acq: 07 Feb 2020 20:51

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 42 Resp: 649
Ion Ratio Lower Upper
42 100
72 38.4 37.8 56.6
71 12.2 34.8 52.2#

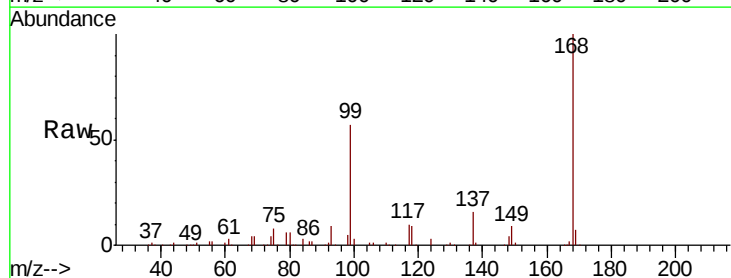


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

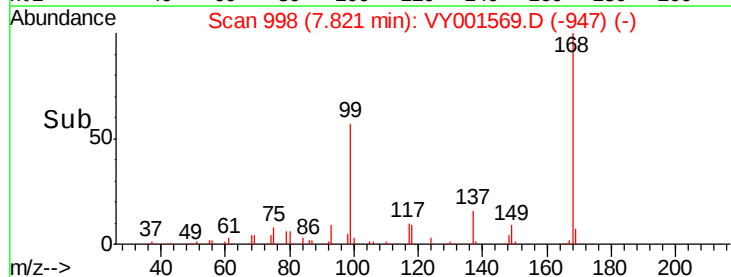
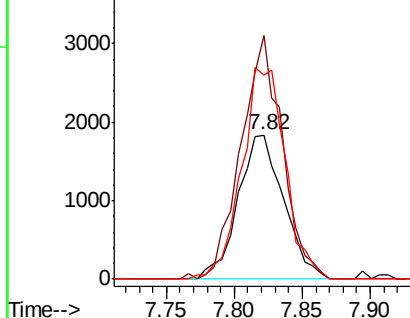


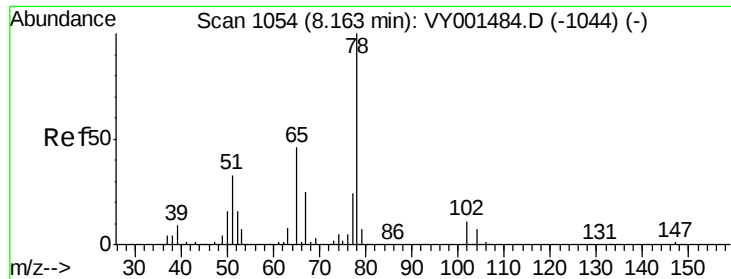
#31
Cyclohexane
Concen: 1.301 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001569.D
Acq: 07 Feb 2020 20:51

Tgt Ion: 56 Resp: 4318
Ion Ratio Lower Upper
56 100
69 168.7 29.6 44.4#
84 141.2 73.6 110.4#



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

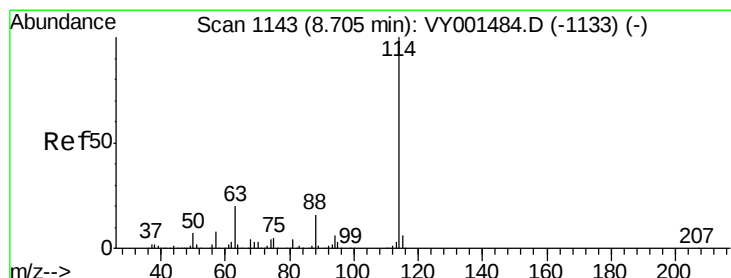
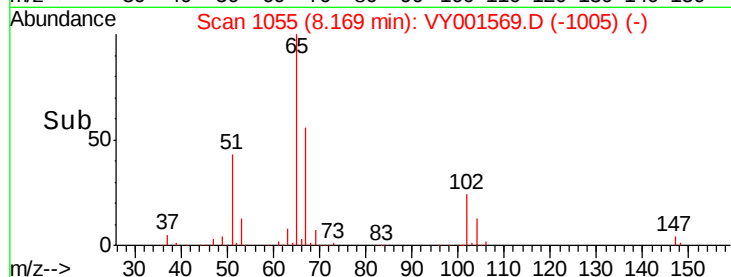
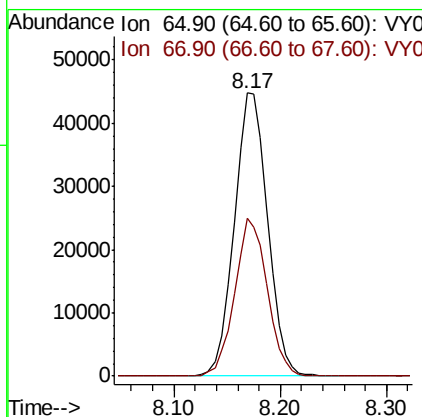
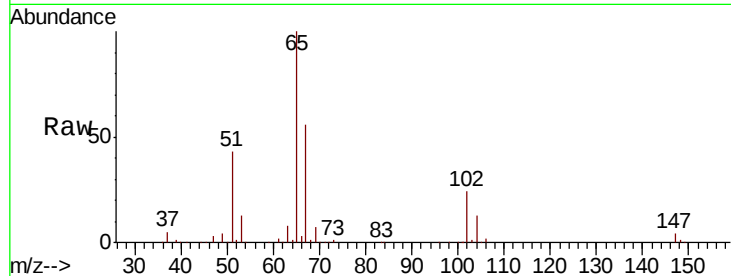




#33
 1,2-Dichloroethane-d4
 Concen: 57.619 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY001569.D
 Acq: 07 Feb 2020 20:51

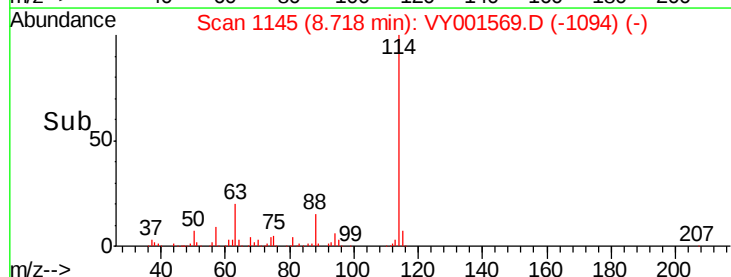
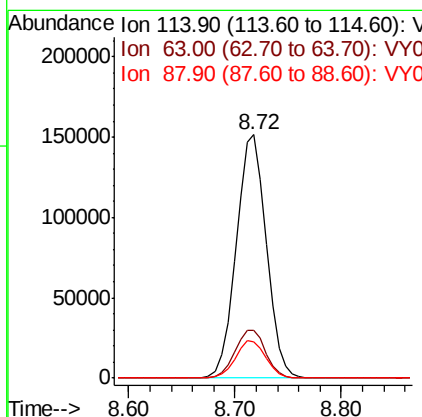
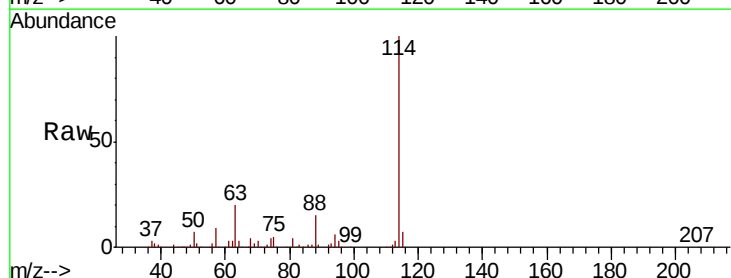
Instrument :
 MSVOA_Y
 ClientSampled :

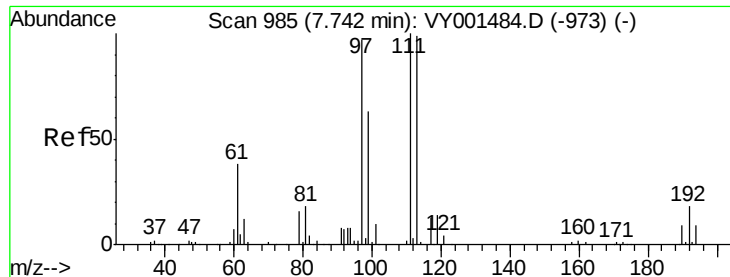
Tot Ion: 65 Resp: 98227
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001569.D
 Acq: 07 Feb 2020 20:51

Tgt Ion: 114 Resp: 300427
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 14.9 0.0 32.6

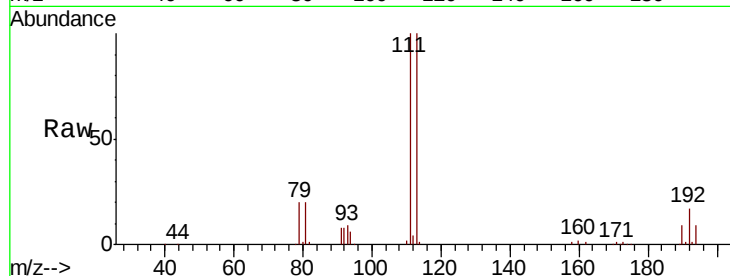




#35
 Dibromofluoromethane
 Concen: 51.269 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY001569.D
 Acq: 07 Feb 2020 20:51

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	18.2	14.6	22.0

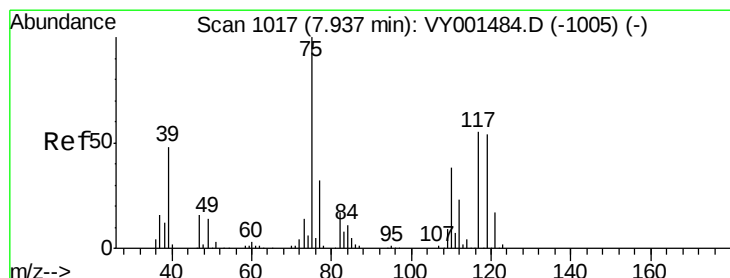
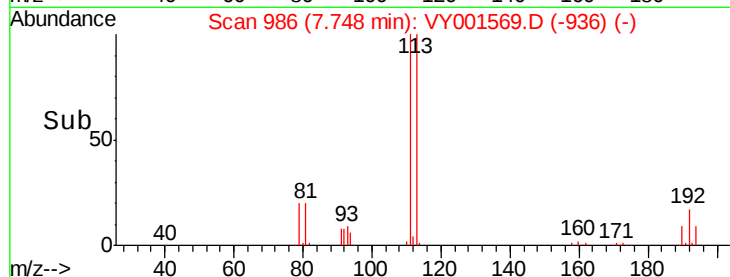
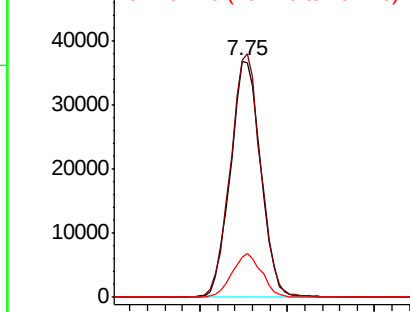


Abundance

Ion 112.80 (112.50 to 113.50): V

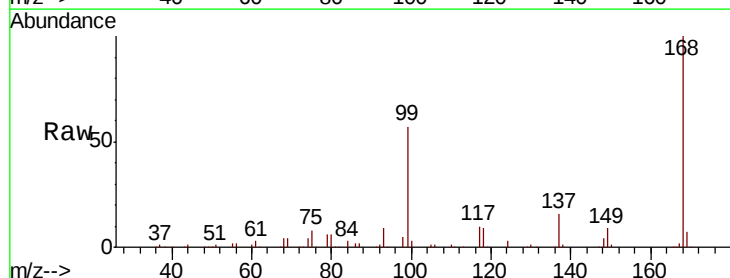
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 5.017 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001569.D
 Acq: 07 Feb 2020 20:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	25.0	37.4#

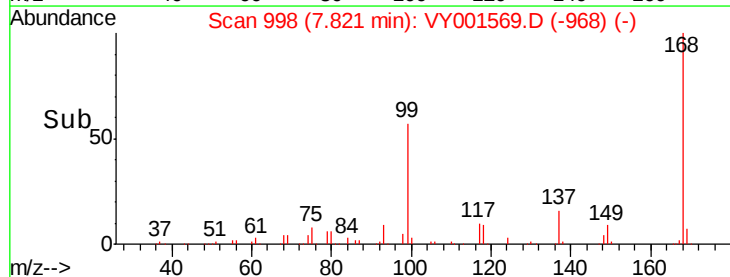
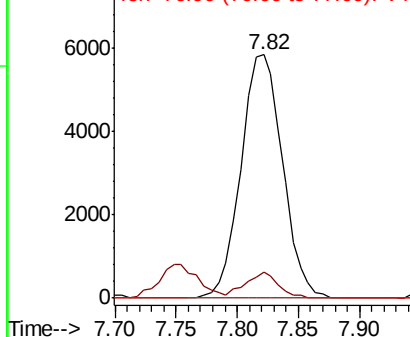


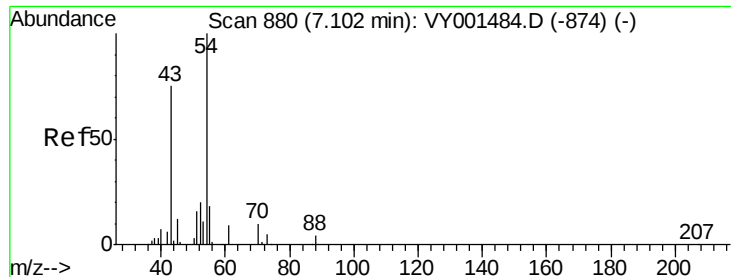
Abundance

Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 1.839 ug/l

RT: 7.02 min Scan# 867

Delta R.T. -0.08 min

Lab File: VY001569.D

Acq: 07 Feb 2020 20:51

Instrument :
MSVOA_Y
ClientSampleId :

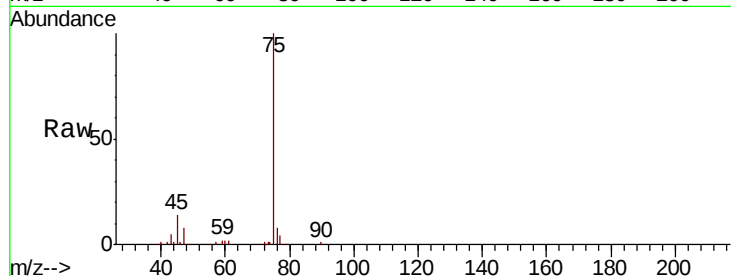
Tot Ion: 43 Resp: 2447

Ion Ratio Lower Upper

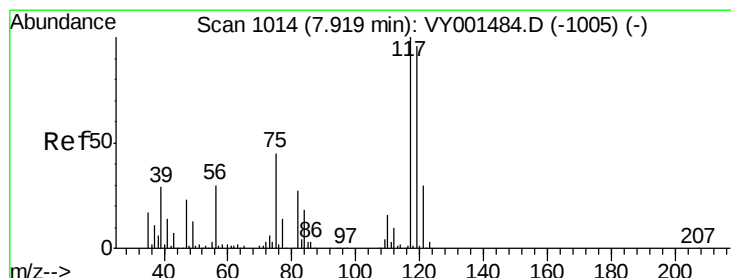
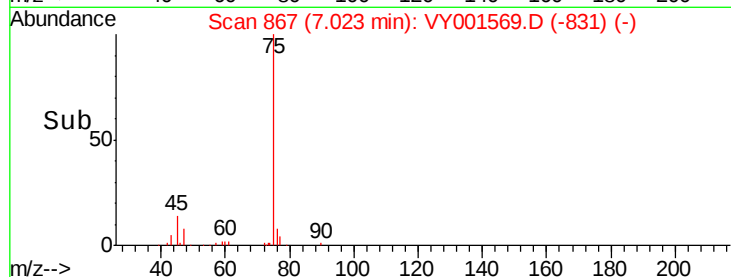
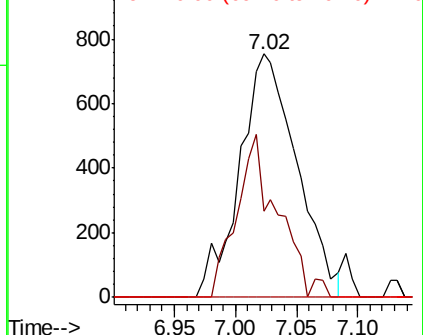
43 100

61 48.3 12.0 18.0#

70 0.0 10.2 15.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0



#38

Carbon Tetrachloride

Concen: 6.243 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001569.D

Acq: 07 Feb 2020 20:51

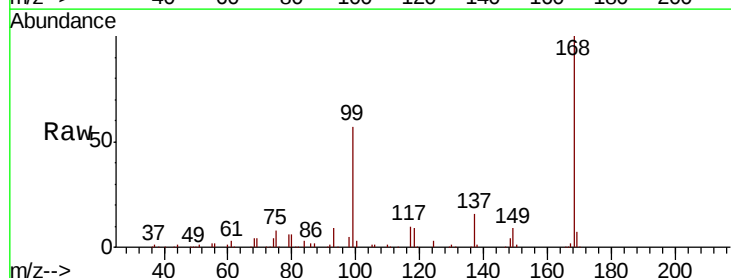
Tgt Ion: 117 Resp: 16599

Ion Ratio Lower Upper

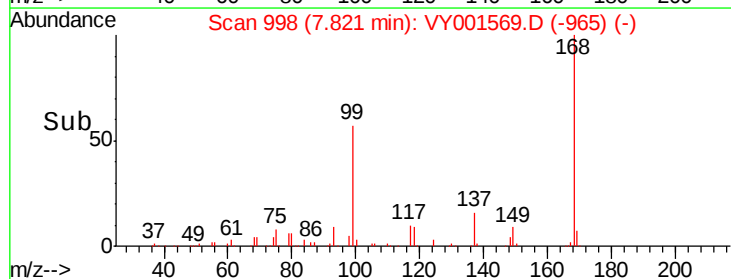
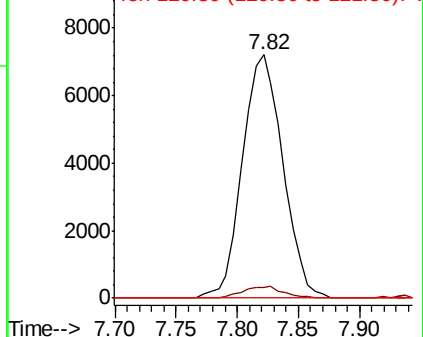
117 100

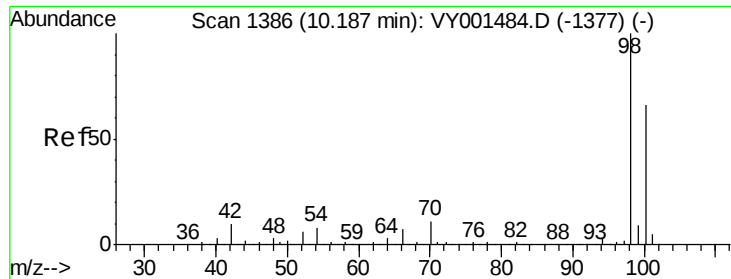
119 4.4 76.4 114.6#

121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 54.847 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001569.D

Acq: 07 Feb 2020 20:51

Instrument :

MSVOA_Y

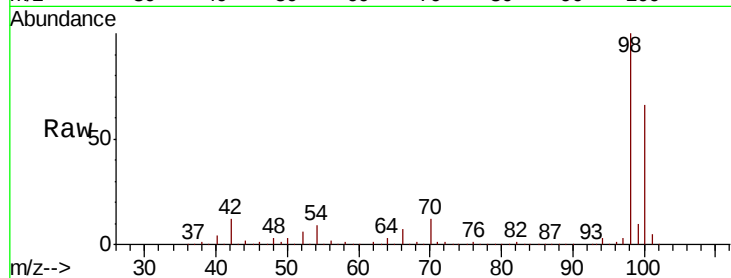
ClientSampleId :

Tot Ion: 98 Resp: 359493

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY001484.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY001569.D (-1337) (-)

10.20

250000

200000

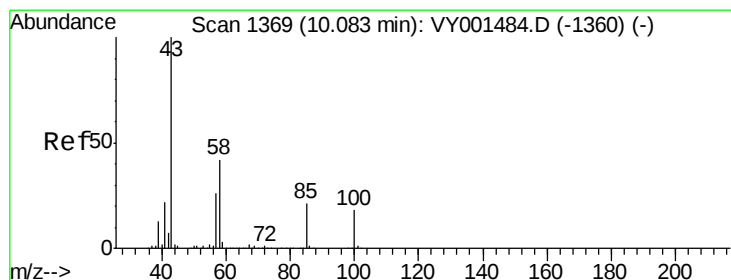
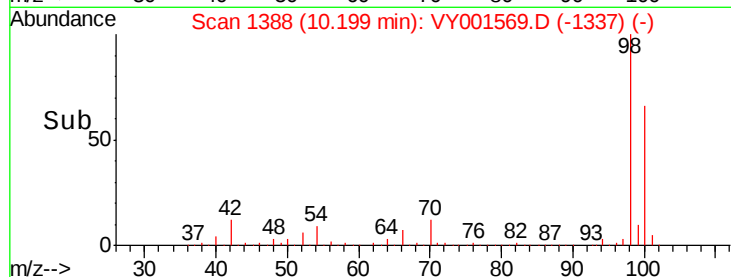
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.202 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001569.D

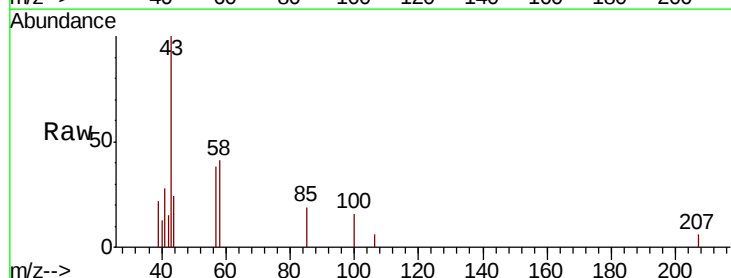
Acq: 07 Feb 2020 20:51

Tgt Ion: 43 Resp: 1559

Ion Ratio Lower Upper

43 100

58 42.3 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VY001484.D (-1360) (-)

Ion 58.00 (57.70 to 58.70): VY001569.D (-1320) (-)

1200

1000

800

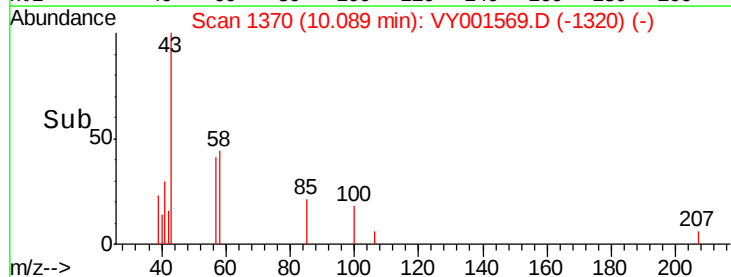
600

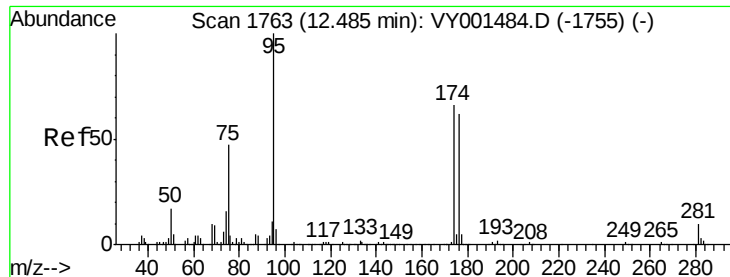
400

200

0

Time-->

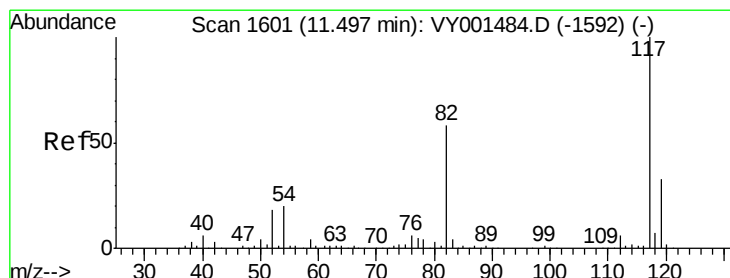
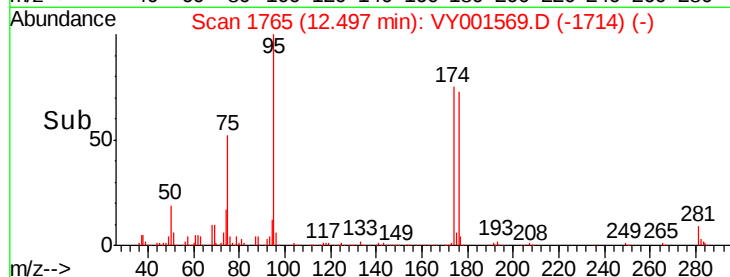
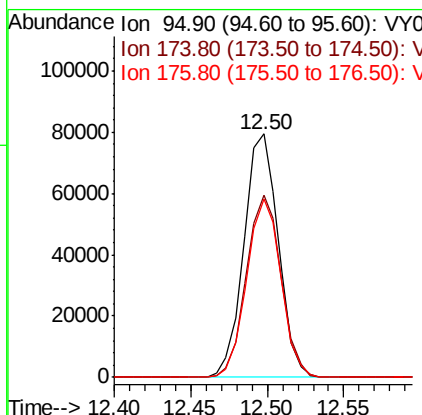
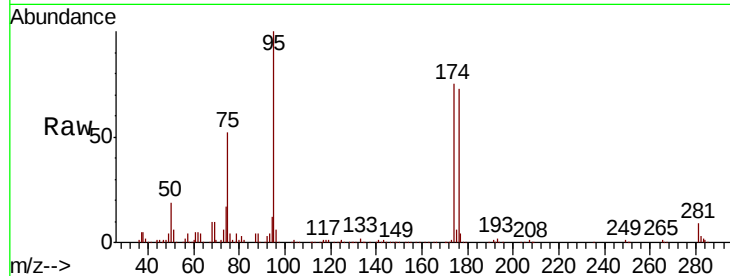




#62
4-Bromofluorobenzene
Concen: 47.968 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY001569.D
Acq: 07 Feb 2020 20:51

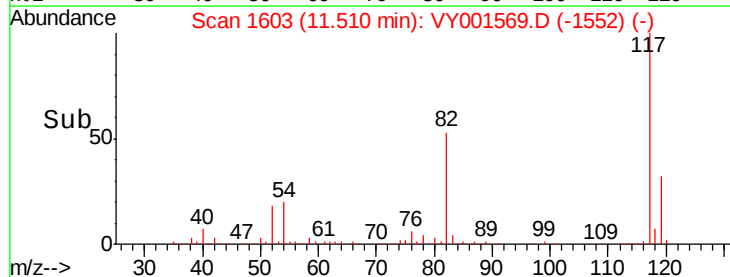
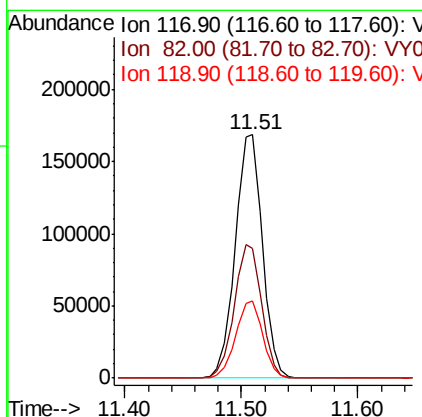
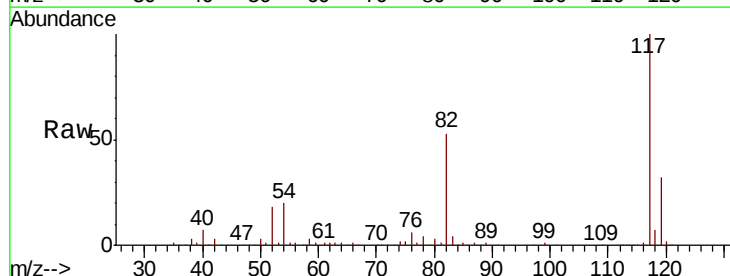
Instrument :
MSVOA_Y
ClientSampleId :

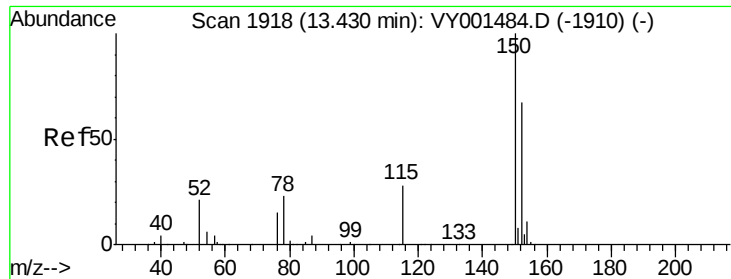
Tot Ion	95	Resp	123857
Ion Ratio	Lower	Upper	
95	100		
174	75.9	0.0	141.4
176	73.0	0.0	135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001569.D
Acq: 07 Feb 2020 20:51

Tgt Ion	117	Resp	273837
Ion Ratio	Lower	Upper	
117	100		
82	53.2	46.1	69.1
119	31.7	26.1	39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY001569.D

Acq: 07 Feb 2020 20:51

Instrument :

MSVOA_Y

ClientSampleId :

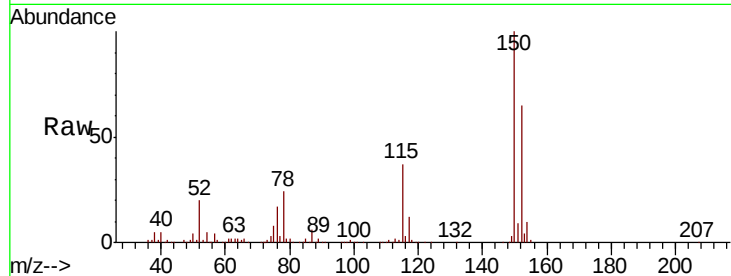
Tot Ion:152 Resp: 122712

Ion Ratio Lower Upper

152 100

115 58.7 31.4 94.3

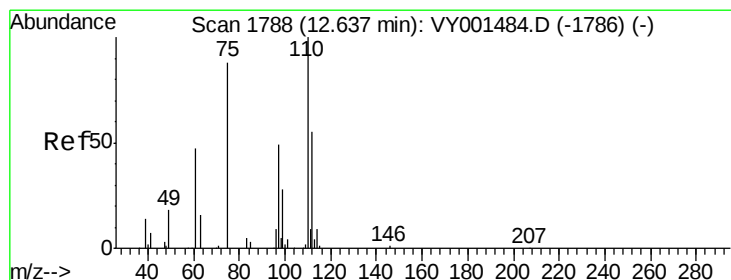
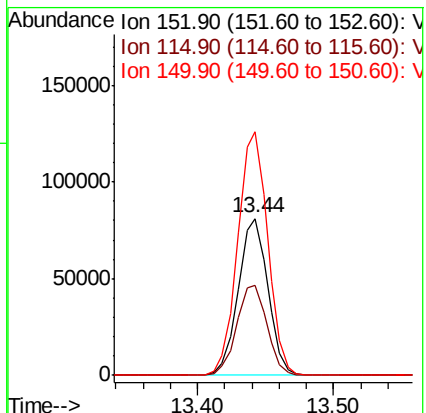
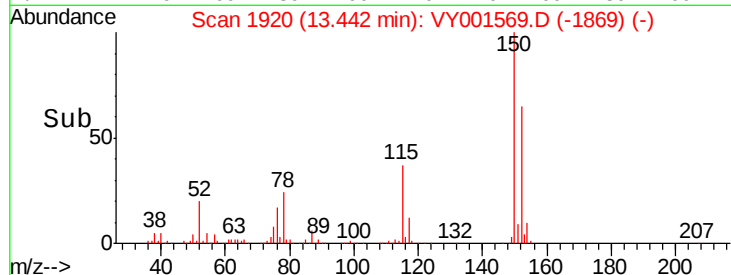
150 157.6 0.0 346.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 48.008 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.14 min

Lab File: VY001569.D

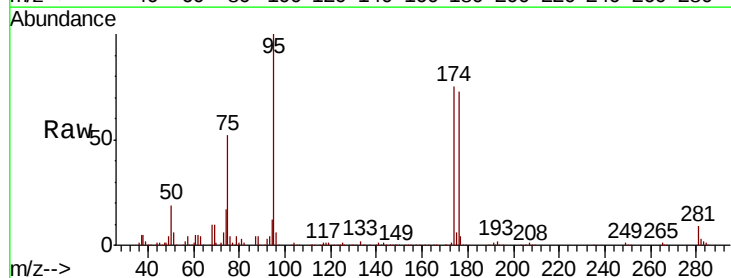
Acq: 07 Feb 2020 20:51

Tgt Ion: 75 Resp: 63354

Ion Ratio Lower Upper

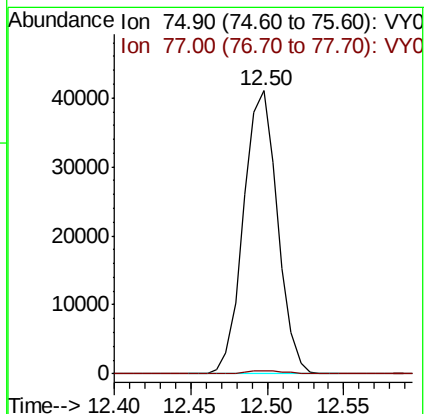
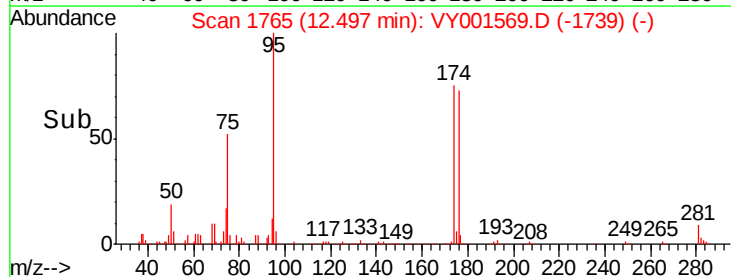
75 100

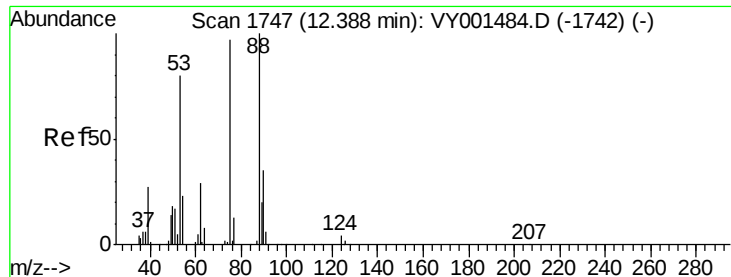
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 92.894 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001569.D

Acq: 07 Feb 2020 20:51

Instrument :

MSVOA_Y

ClientSampleId :

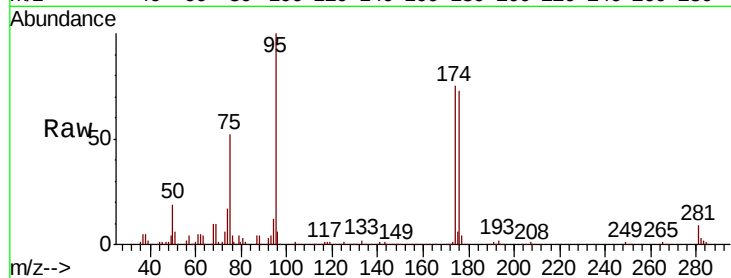
Tot Ion: 75 Resp: 63354

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.3 34.6 52.0#



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

