

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\
 Data File : VY001525.D
 Acq On : 06 Feb 2020 12:58
 Operator : SY/MD
 Sample : VY0206SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 04:05:32 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	177884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	325927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	301818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	139581	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	107070	59.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.56%	
35) Dibromofluoromethane	7.75	113	98641	52.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.96%	
50) Toluene-d8	10.20	98	390019	54.85	ug/l	0.01
Spiked Amount 50.000			Recovery	=	109.70%	
62) 4-Bromofluorobenzene	12.49	95	143768	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.64%	

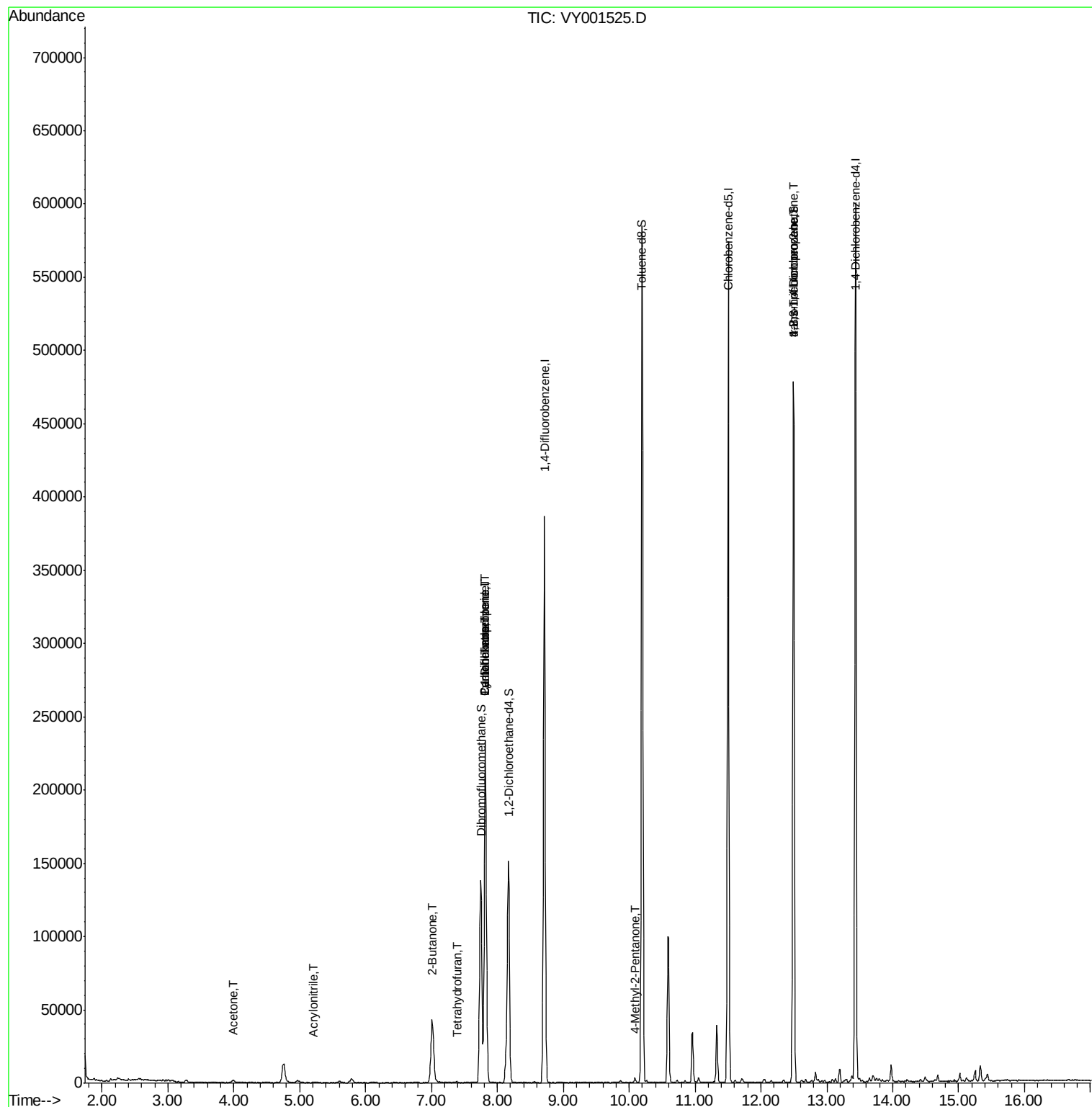
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	1682	Below Cal	#	76
15) Acrylonitrile	5.21	53	511	1.056	ug/l #	72
16) Acetone	3.98	43	3341	6.449	ug/l #	71
25) 2-Butanone	7.02	43	3107	4.623	ug/l #	73
29) Tetrahydrofuran	7.38	42	564	1.400	ug/l #	79
31) Cyclohexane	7.81	56	3752	1.076	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	14269	4.786	ug/l #	49
38) Carbon Tetrachloride	7.82	117	17988	6.236	ug/l #	17
51) 4-Methyl-2-Pentanone	10.09	43	2042	1.451	ug/l #	86
76) 1,2,3-Trichloropropane	12.49	75	73076	48.683	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	73076	94.199	ug/l #	16

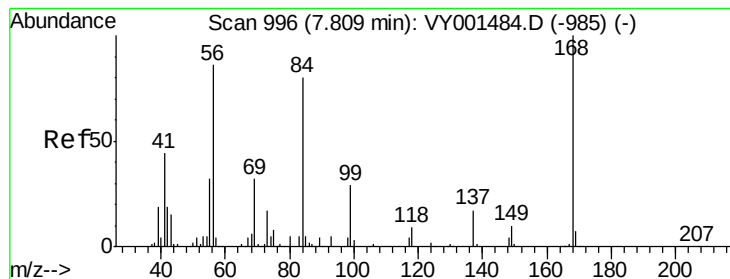
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001525.D

Acq: 06 Feb 2020 12:58

Instrument :

MSVOA_Y

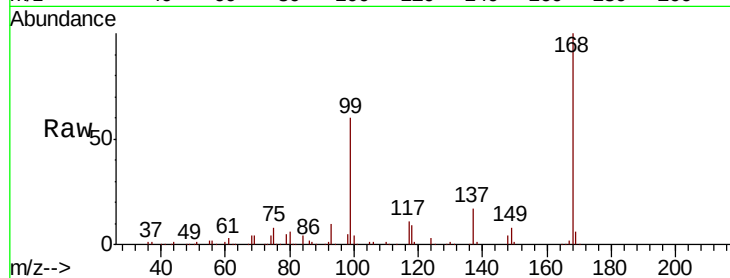
ClientSampleId :

Tot Ion:168 Resp: 177884

Ion Ratio Lower Upper

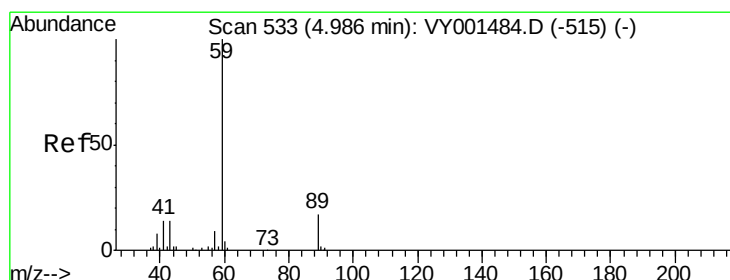
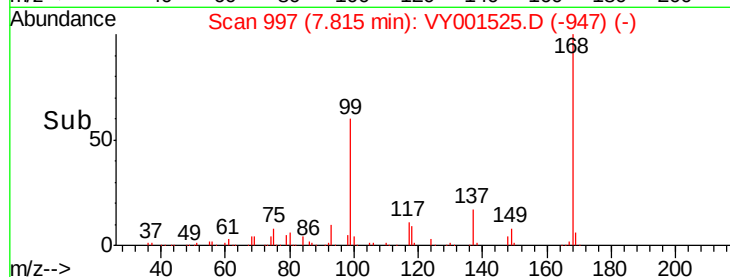
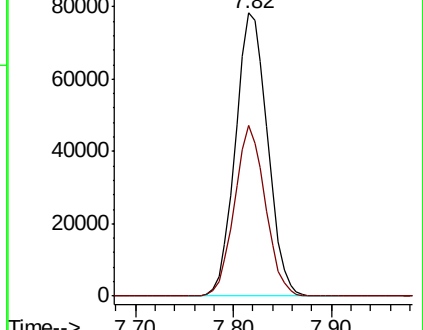
168 100

99 60.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.02 min

Lab File: VY001525.D

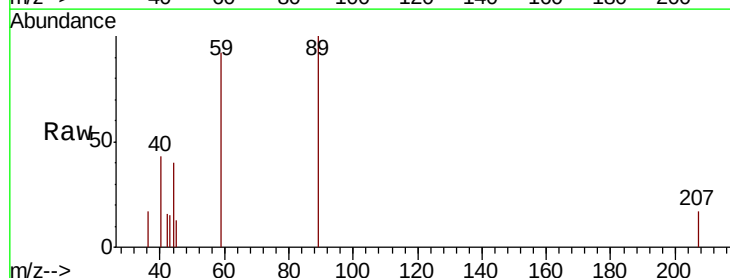
Acq: 06 Feb 2020 12:58

Tgt Ion: 59 Resp: 1682

Ion Ratio Lower Upper

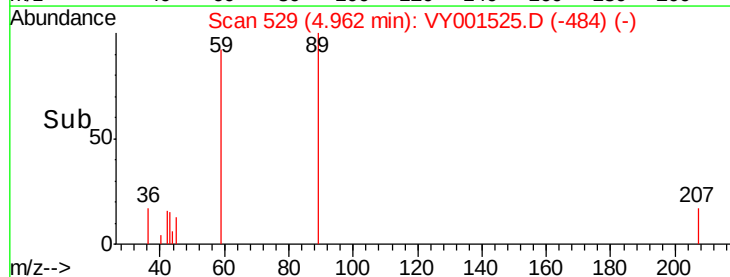
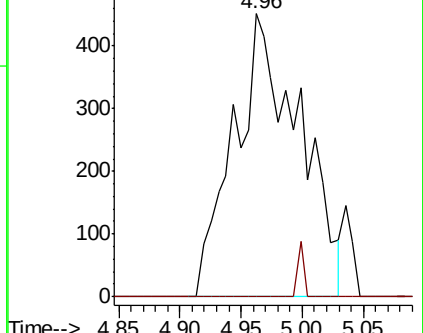
59 100

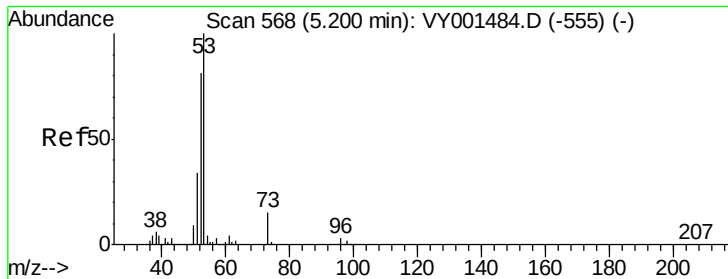
57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001484.D (-515) (-)

Ion 57.00 (56.70 to 57.70): VY001484.D (-515) (-)





#15

Acrylonitrile

Concen: 1.056 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY001525.D

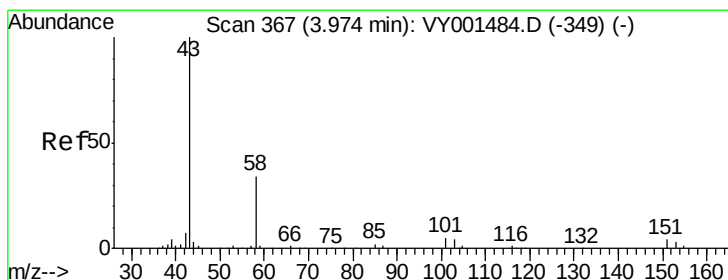
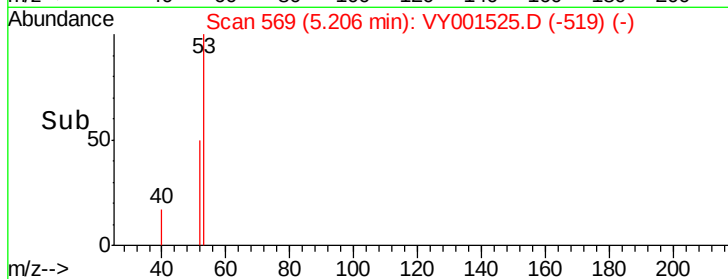
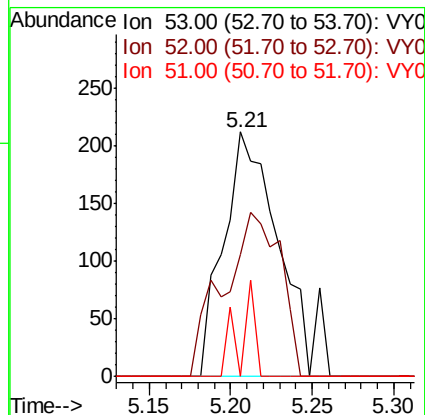
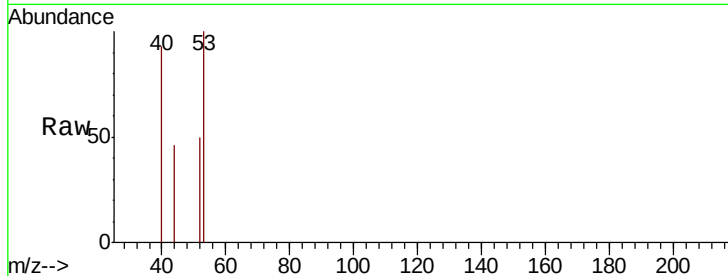
Acq: 06 Feb 2020 12:58

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion	53	Resp	511
Ion	Ratio	Lower	Upper
53	100		
52	67.7	65.4	98.2
51	4.3	29.0	43.4#



#16

Acetone

Concen: 6.449 ug/l

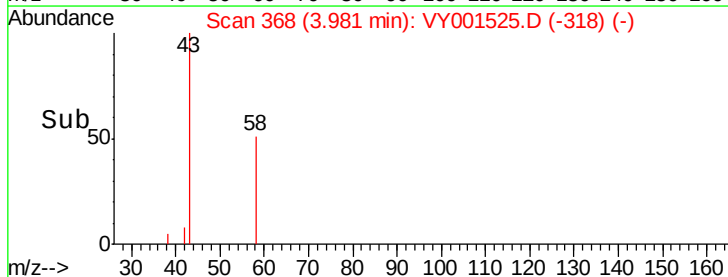
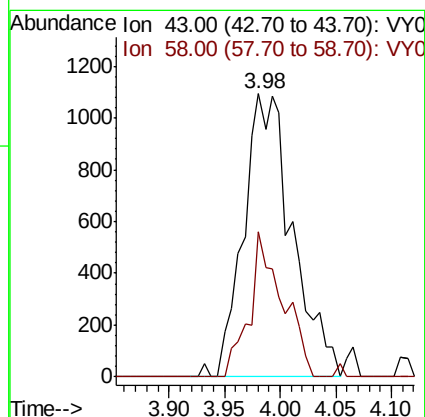
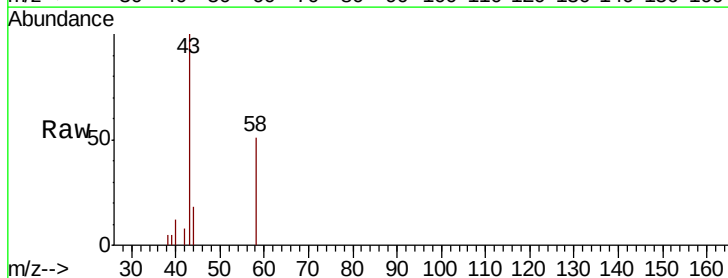
RT: 3.98 min Scan# 368

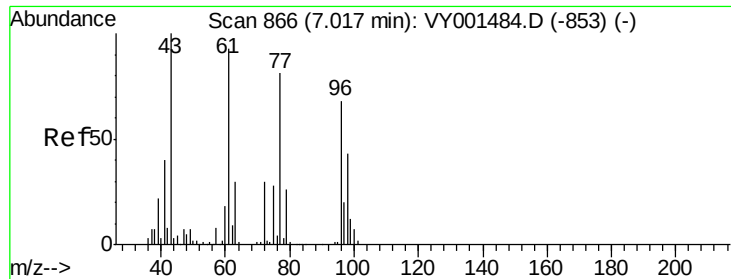
Delta R.T. 0.01 min

Lab File: VY001525.D

Acq: 06 Feb 2020 12:58

Tgt Ion	43	Resp	3341
Ion	Ratio	Lower	Upper
43	100		
58	51.1	27.5	41.3#





#25

2-Butanone

Concen: 4.623 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001525.D

Acq: 06 Feb 2020 12:58

Instrument :

MSVOA_Y

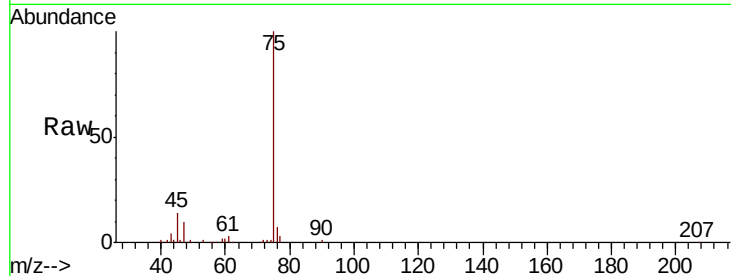
ClientSampled :

Tot Ion: 43 Resp: 3107

Ion Ratio Lower Upper

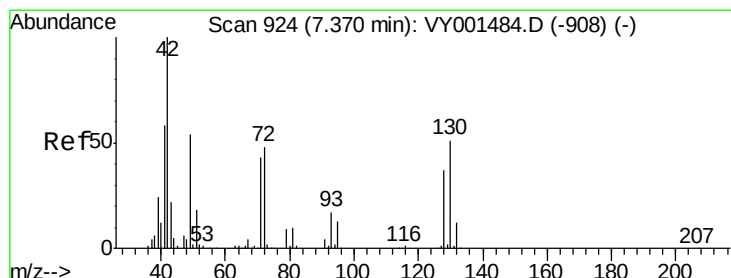
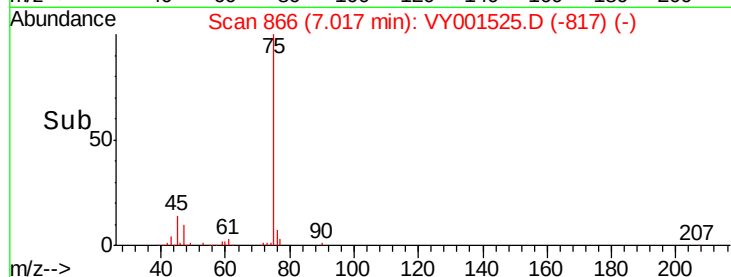
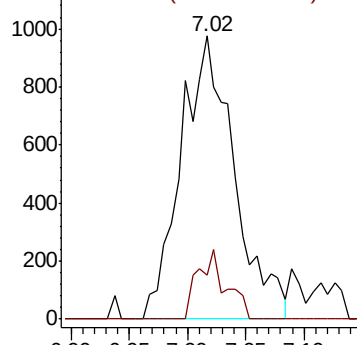
43 100

72 15.4 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: 1.400 ug/l

RT: 7.38 min Scan# 926

Delta R.T. 0.01 min

Lab File: VY001525.D

Acq: 06 Feb 2020 12:58

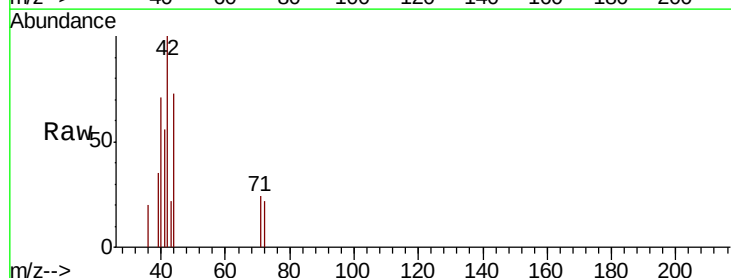
Tgt Ion: 42 Resp: 564

Ion Ratio Lower Upper

42 100

72 31.9 37.8 56.6#

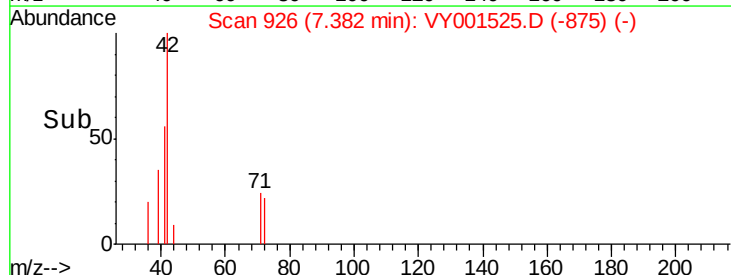
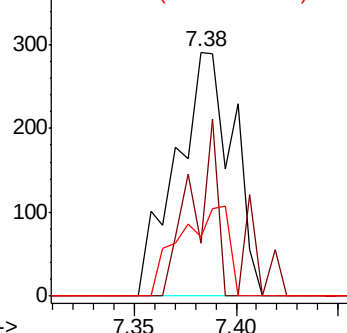
71 31.6 34.8 52.2#

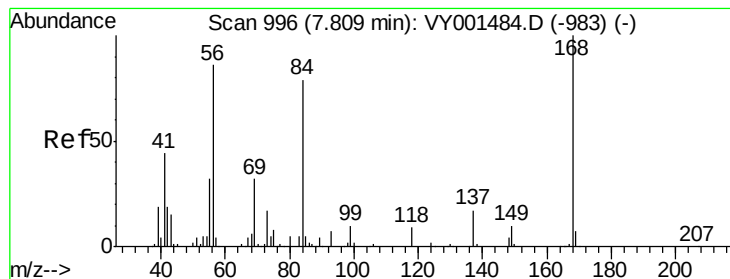


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0





#31

Cyclohexane

Concen: 1.076 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001525.D

Acq: 06 Feb 2020 12:58

Instrument :
MSVOA_Y
ClientSampled :

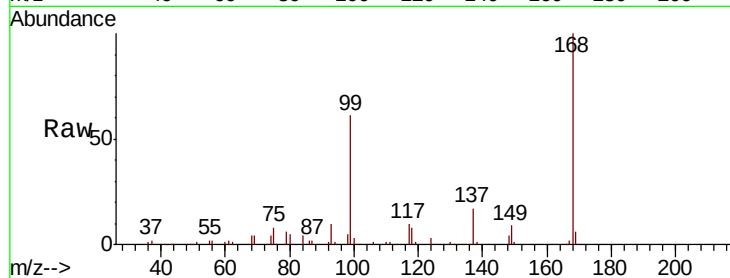
Tot Ion: 56 Resp: 3752

Ion Ratio Lower Upper

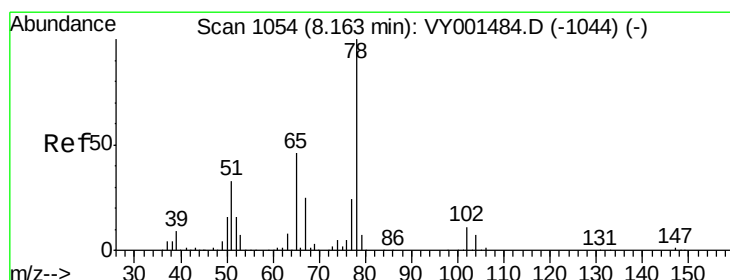
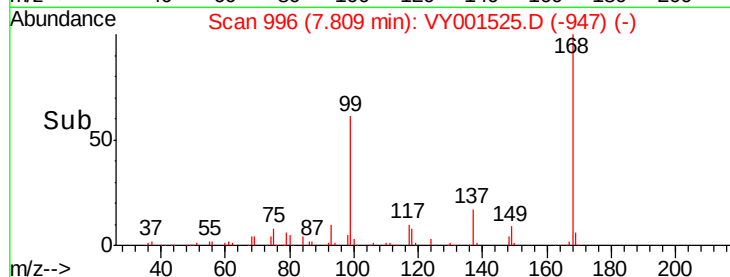
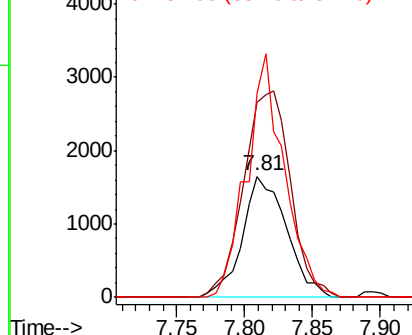
56 100

69 160.4 29.6 44.4#

84 168.0 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: 59.781 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001525.D

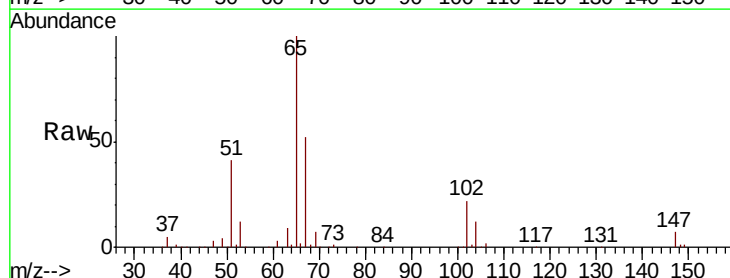
Acq: 06 Feb 2020 12:58

Tgt Ion: 65 Resp: 107070

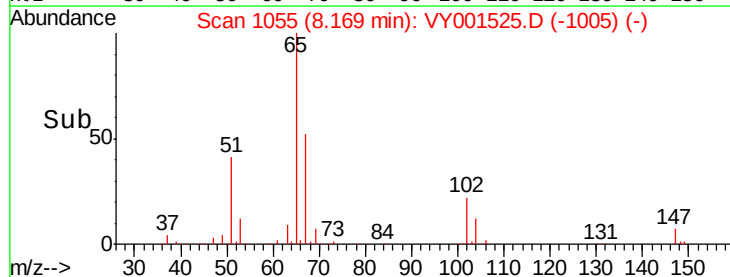
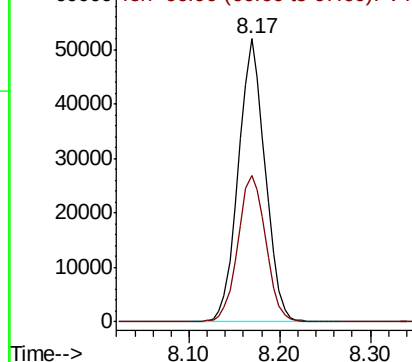
Ion Ratio Lower Upper

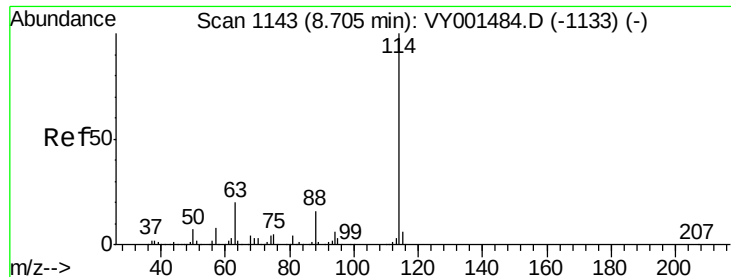
65 100

67 53.8 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

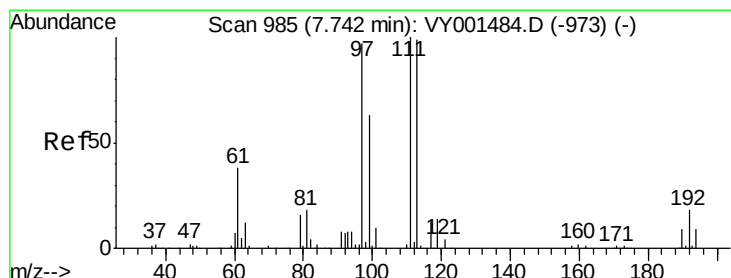
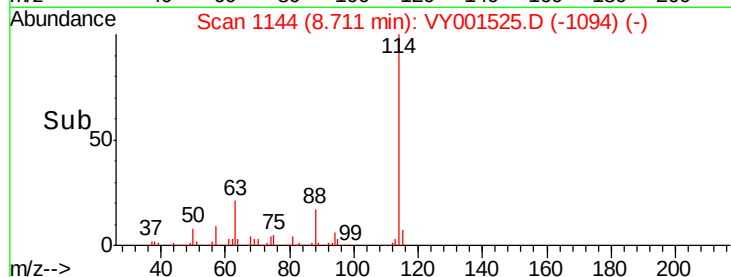
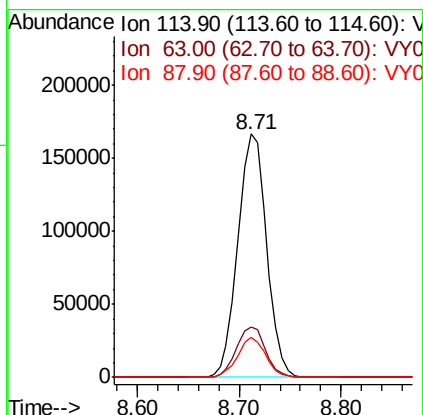
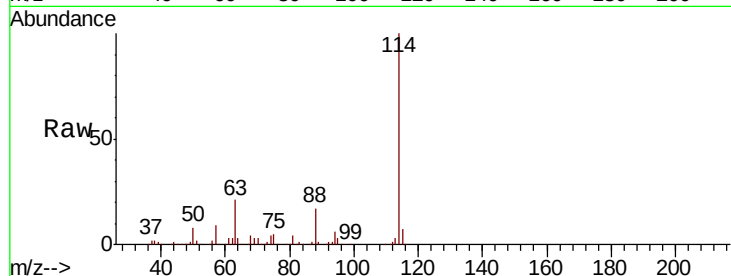




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001525.D
 Acq: 06 Feb 2020 12:58

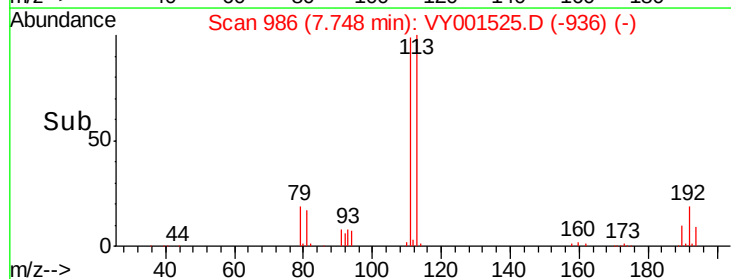
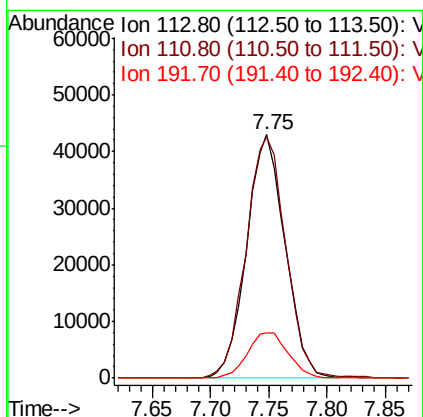
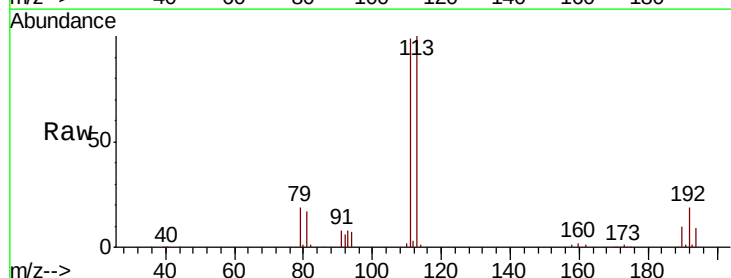
Instrument :
 MSVOA_Y
 ClientSampleId :

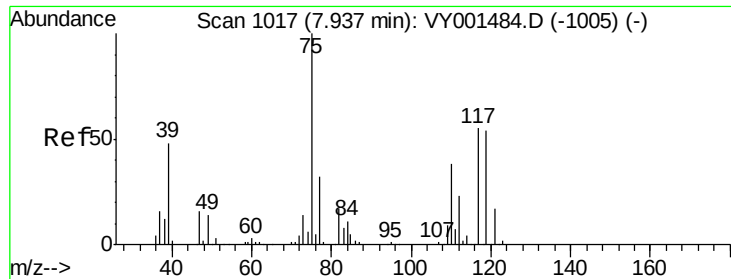
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	39.8
88	16.7	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 52.484 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY001525.D
 Acq: 06 Feb 2020 12:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	19.6	14.6	22.0

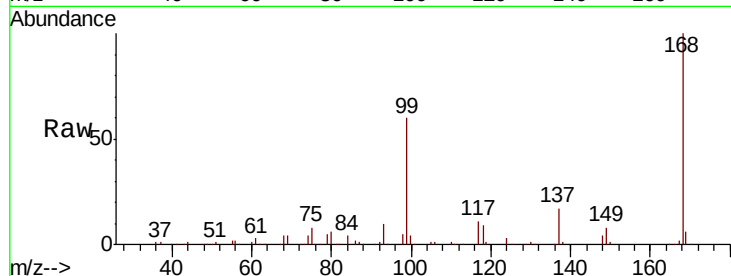




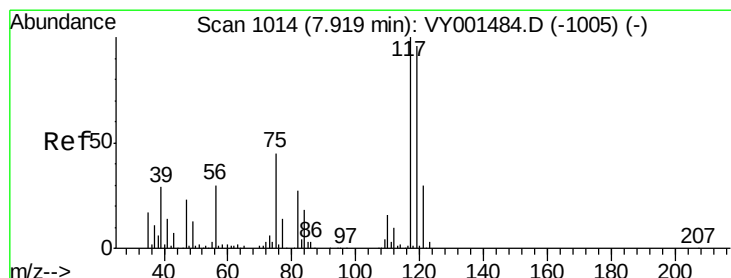
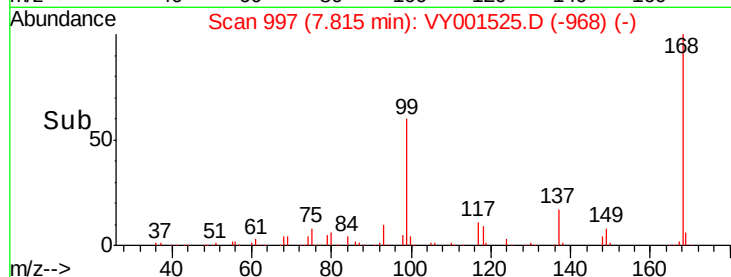
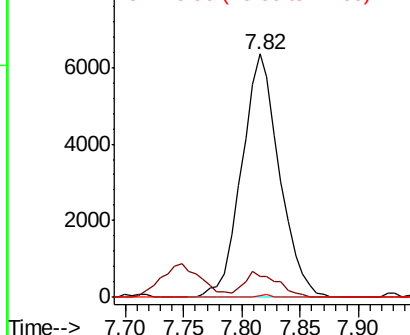
#36
 1,1-Dichloropropene
 Concen: 4.786 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY001525.D
 Acq: 06 Feb 2020 12:58

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.2	54.6#
77	0.3	25.0	37.4#

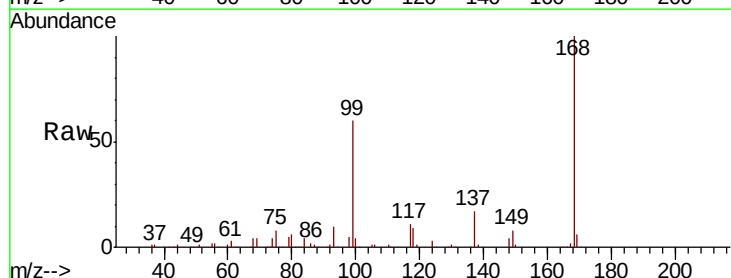


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

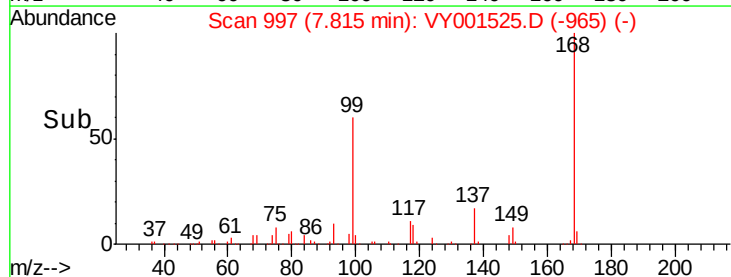
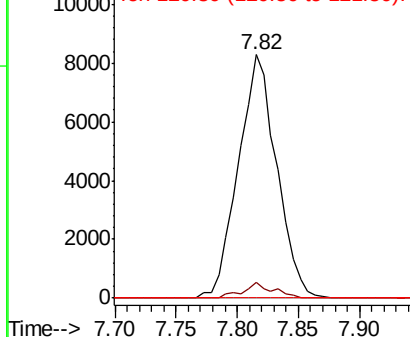


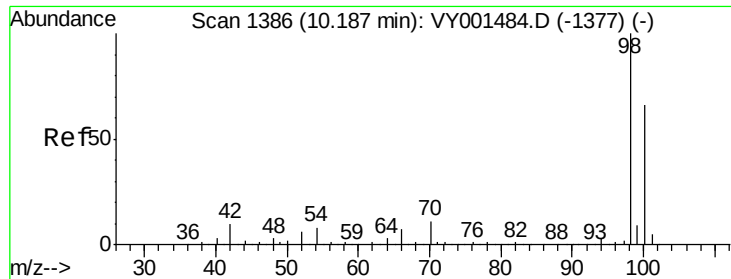
#38
 Carbon Tetrachloride
 Concen: 6.236 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.10 min
 Lab File: VY001525.D
 Acq: 06 Feb 2020 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	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: 54.849 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001525.D

Acq: 06 Feb 2020 12:58

Instrument :

MSVOA_Y

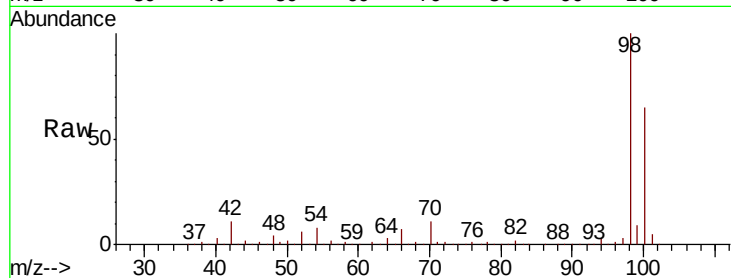
ClientSampled :

Tot Ion: 98 Resp: 390019

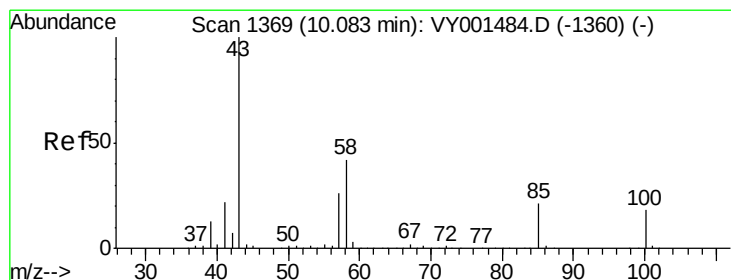
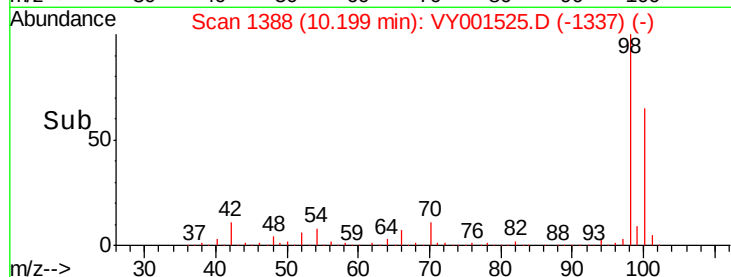
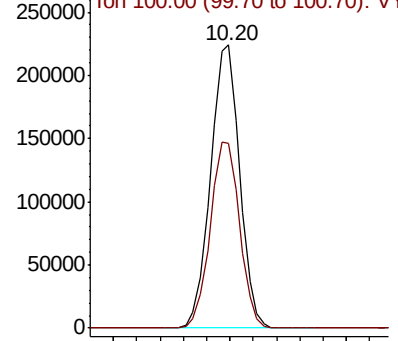
Ion Ratio Lower Upper

98 100

100 66.3 53.0 79.6



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



#51

4-Methyl-2-Pentanone

Concen: 1.451 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001525.D

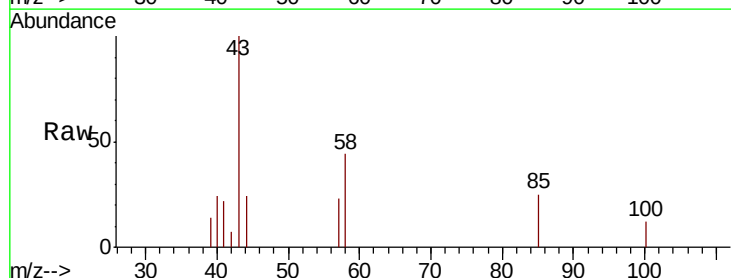
Acq: 06 Feb 2020 12:58

Tgt Ion: 43 Resp: 2042

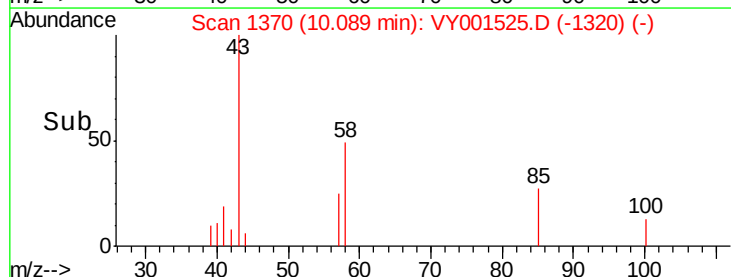
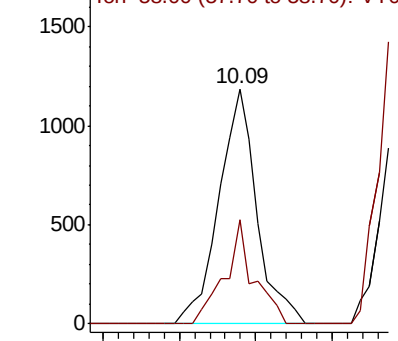
Ion Ratio Lower Upper

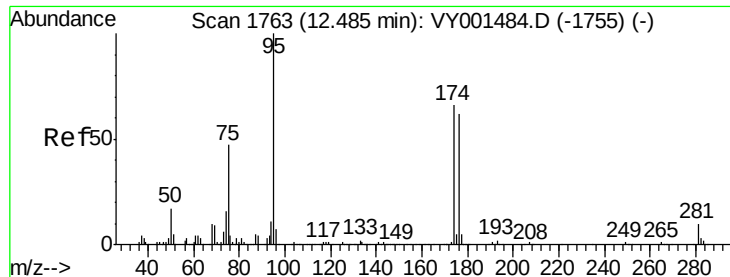
43 100

58 33.5 33.9 50.9#



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

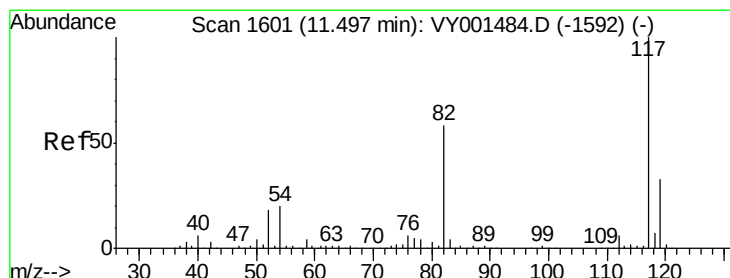
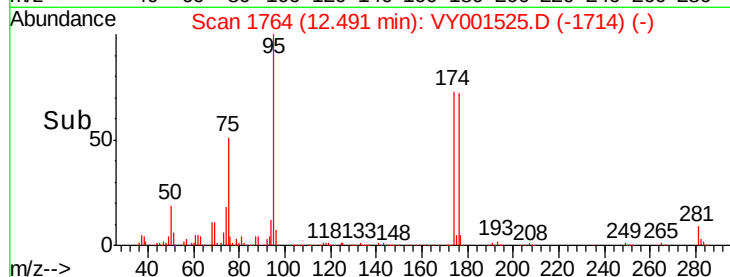
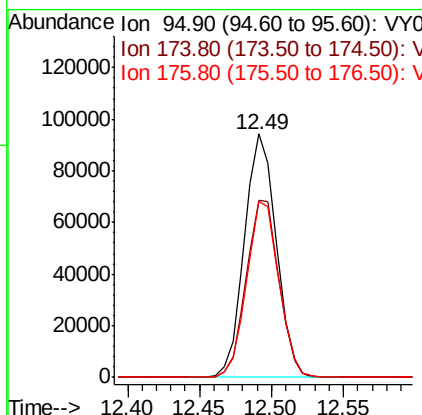
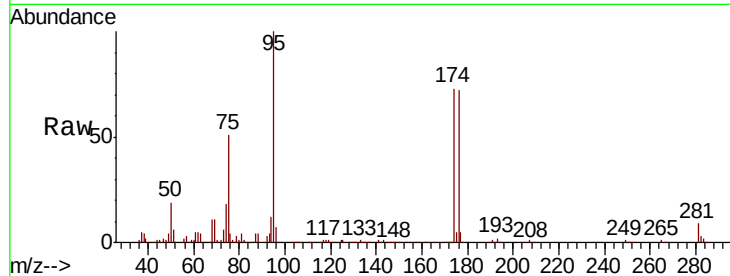




#62
4-Bromofluorobenzene
Concen: 51.323 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001525.D
Acq: 06 Feb 2020 12:58

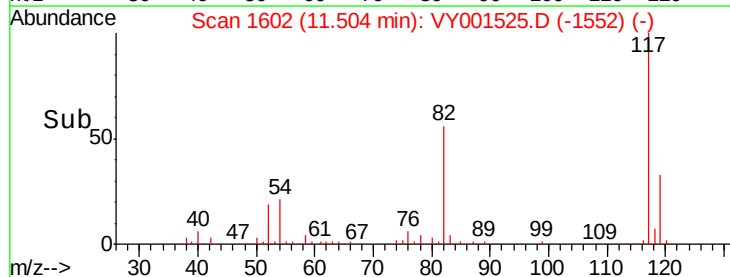
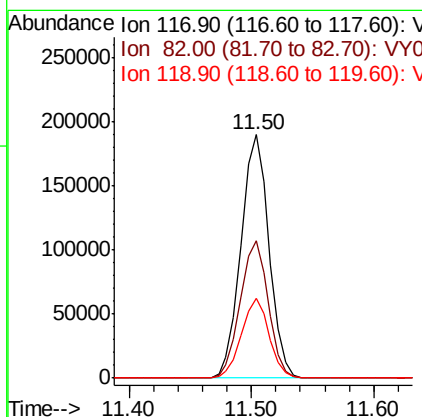
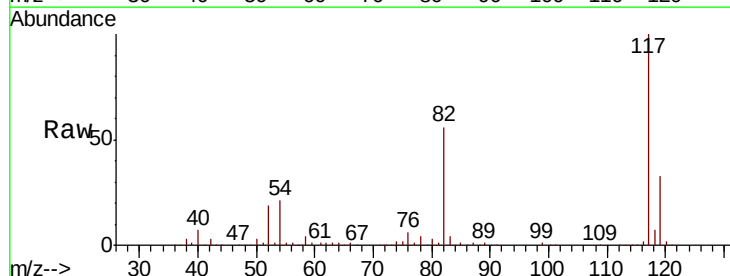
Instrument :
MSVOA_Y
ClientSampleId :

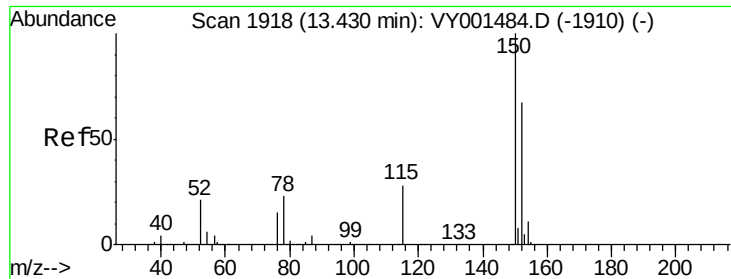
Tot Ion: 95 Resp: 143768
Ion Ratio Lower Upper
95 100
174 74.9 0.0 141.4
176 72.8 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001525.D
Acq: 06 Feb 2020 12:58

Tgt Ion: 117 Resp: 301818
Ion Ratio Lower Upper
117 100
82 56.2 46.1 69.1
119 32.8 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001525.D

Acq: 06 Feb 2020 12:58

Instrument :

MSVOA_Y

ClientSampleId :

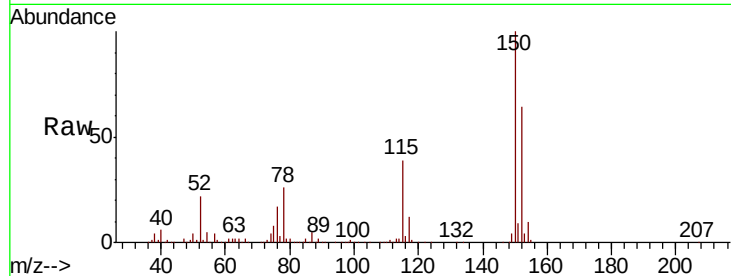
Tot Ion:152 Resp: 139581

Ion Ratio Lower Upper

152 100

115 60.8 31.4 94.3

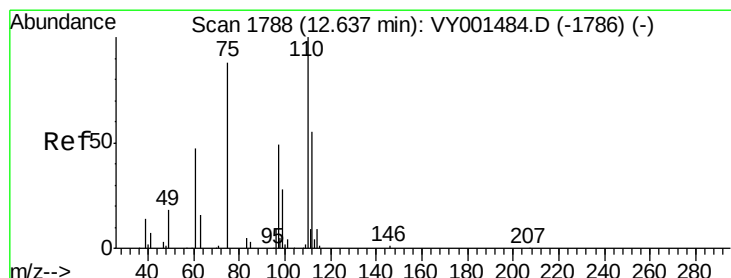
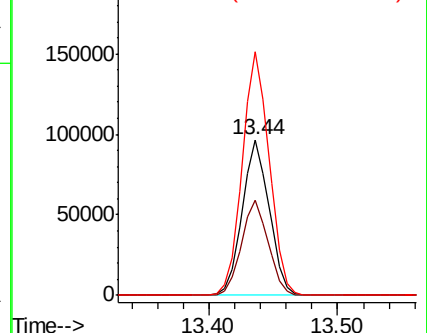
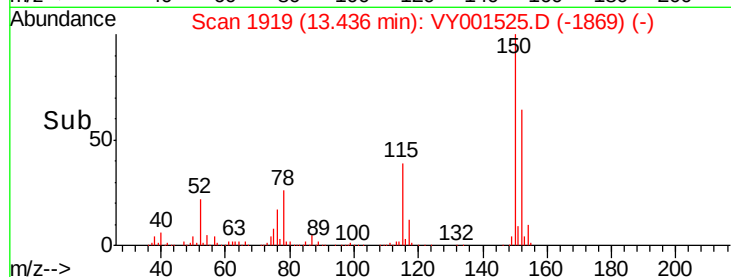
150 156.7 0.0 346.8



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: 48.683 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001525.D

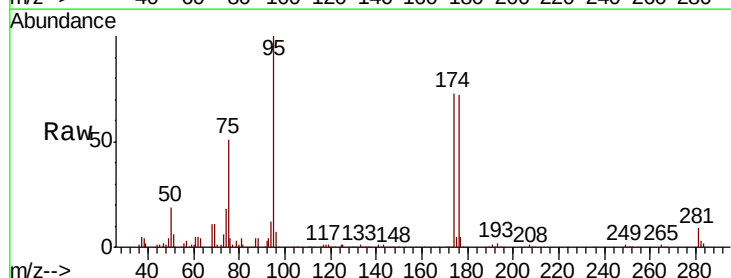
Acq: 06 Feb 2020 12:58

Tgt Ion: 75 Resp: 73076

Ion Ratio Lower Upper

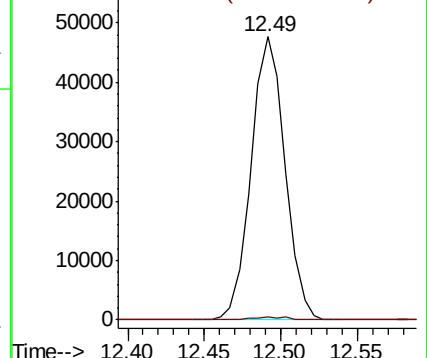
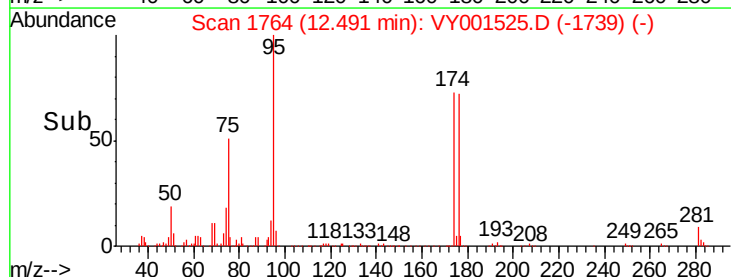
75 100

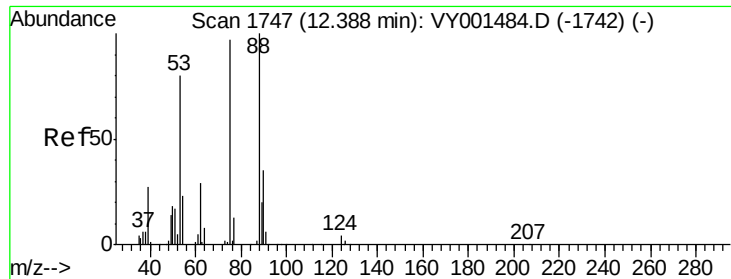
77 1.1 0.0 0.0#



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: 94.199 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001525.D

Acq: 06 Feb 2020 12:58

Instrument :

MSVOA_Y

ClientSampleId :

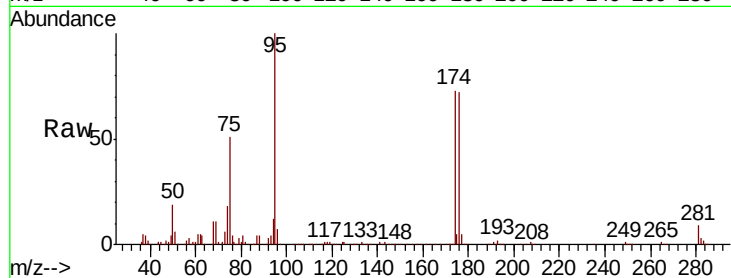
Tot Ion: 75 Resp: 73076

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.1 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

