

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102919\
 Data File : VY000480.D
 Acq On : 29 Oct 2019 17:24
 Operator : SY/MD
 Sample : K5587-11RE
 Misc : 4.40G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

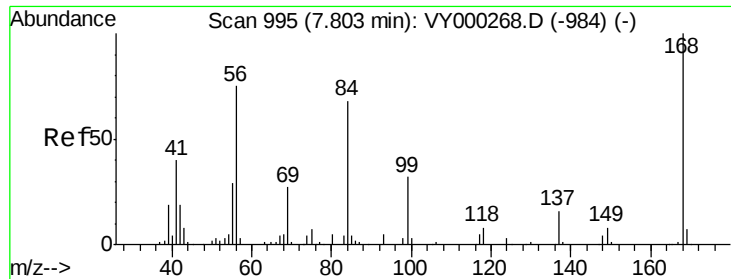
Quant Time: Oct 30 07:20:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	177237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	293446	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	223762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	61502	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	105488	56.42	ug/l	0.00
Spiked Amount			Recovery	=	112.84%	
35) Dibromofluoromethane	7.74	113	93102	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
50) Toluene-d8	10.18	98	339196	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.48	95	73433	28.39	ug/l	0.00
Spiked Amount			Recovery	=	56.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	19	Below Cal	#	41
8) Diethyl Ether	3.55	74	1200	1.136	ug/l	78
10) Methyl Iodide	4.08	142	567	1.400	ug/l #	37
11) Tert butyl alcohol	4.97	59	548	2.801	ug/l #	73
16) Acetone	3.96	43	749	1.237	ug/l	91
17) Carbon Disulfide	4.19	76	28785	5.107	ug/l #	94
18) Methyl Acetate	4.50	43	7543	5.014	ug/l	94
20) Methylene Chloride	4.74	84	2177	Below Cal		94
31) Cyclohexane	7.80	56	4173	1.167	ug/l #	36
36) 1,1-Dichloropropene	7.80	75	13066	4.548	ug/l #	50
38) Carbon Tetrachloride	7.81	117	16948	6.093	ug/l #	19
51) 4-Methyl-2-Pentanone	10.19	43	1777	1.065	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	38024	50.279	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	38024	110.008	ug/l #	14

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000480.D

Acq: 29 Oct 2019 17:24

Instrument :

MSVOA_Y

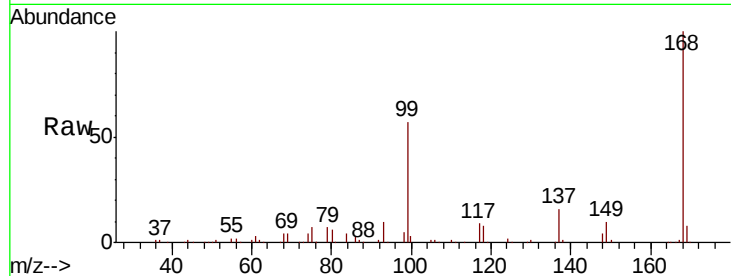
ClientSampleId :

Tot Ion:168 Resp: 177237

Ion Ratio Lower Upper

168 100

99 57.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000480.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000480.D (-946) (-)

7.80

80000

60000

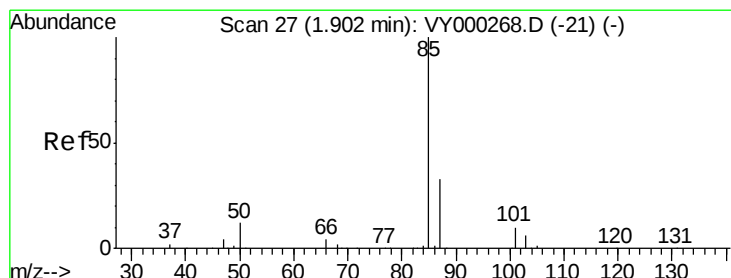
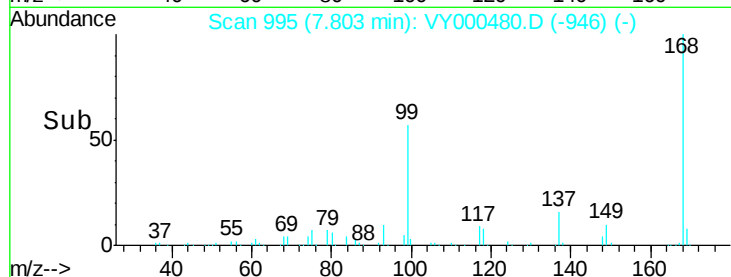
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY000480.D

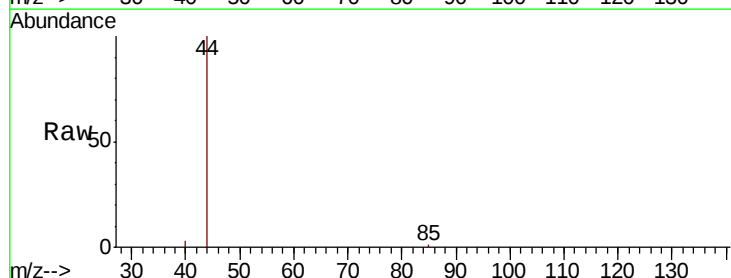
Acq: 29 Oct 2019 17:24

Tgt Ion: 85 Resp: 19

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000480.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000480.D (-1) (-)

1.91

60

50

40

30

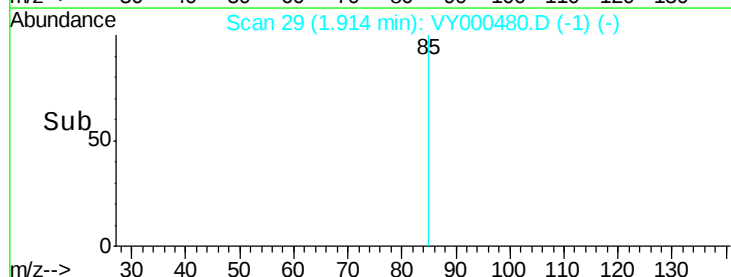
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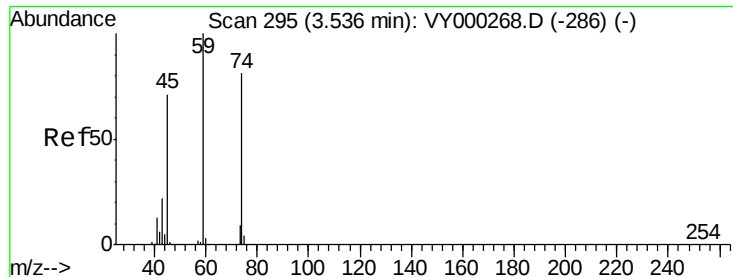
10

0

1.89 1.90 1.91 1.92 1.93

Time-->

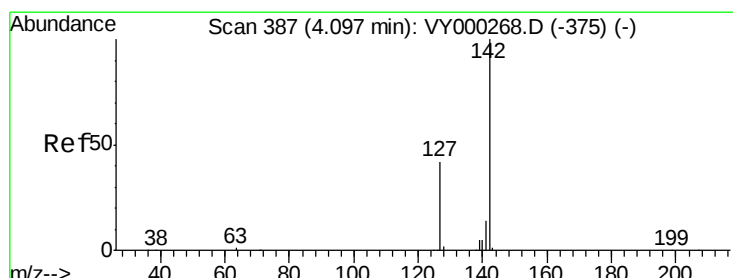
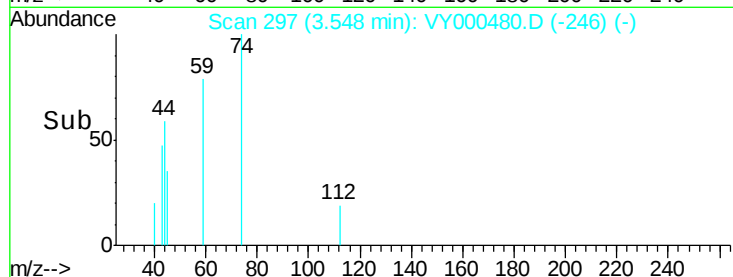
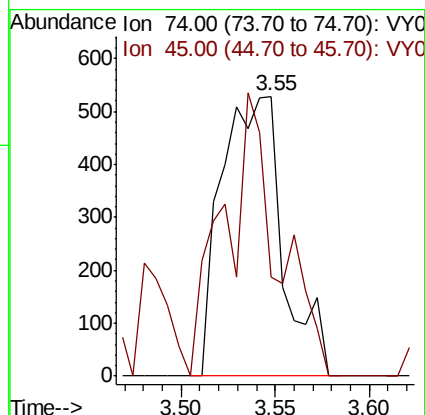
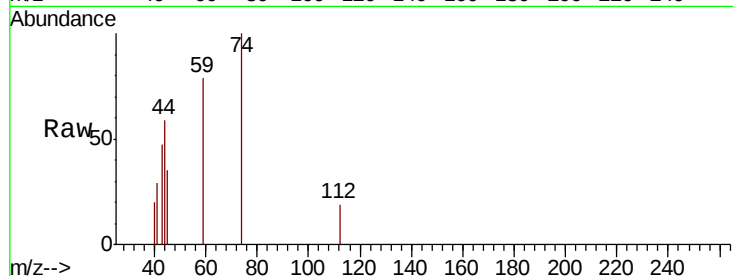




#8
Diethyl Ether
Concen: 1.136 ug/l
RT: 3.55 min Scan# 297
Delta R.T. 0.01 min
Lab File: VY000480.D
Acq: 29 Oct 2019 17:24

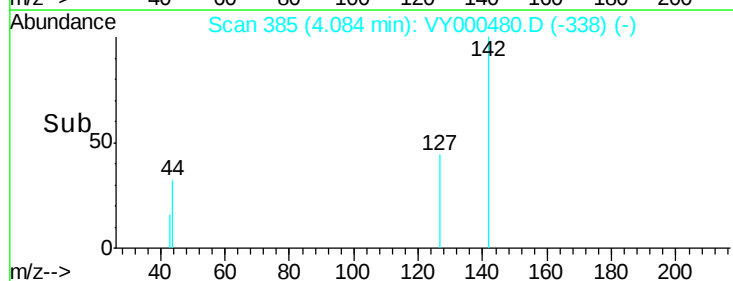
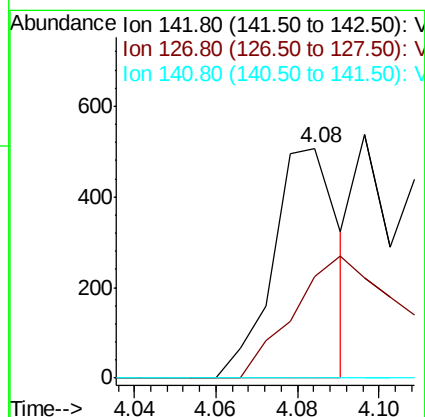
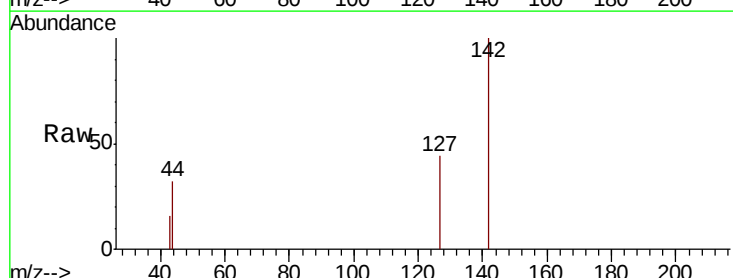
Instrument :
MSVOA_Y
ClientSampled :

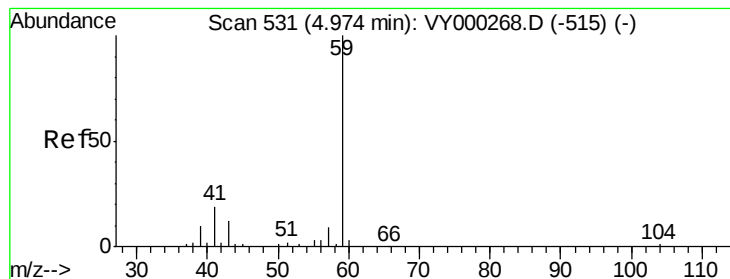
Tot Ion: 74 Resp: 1200
Ion Ratio Lower Upper
74 100
45 72.6 47.1 141.4



#10
Methyl Iodide
Concen: 1.400 ug/l
RT: 4.08 min Scan# 385
Delta R.T. -0.01 min
Lab File: VY000480.D
Acq: 29 Oct 2019 17:24

Tgt Ion: 142 Resp: 567
Ion Ratio Lower Upper
142 100
127 88.2 33.9 50.9#
141 0.0 11.2 16.8#



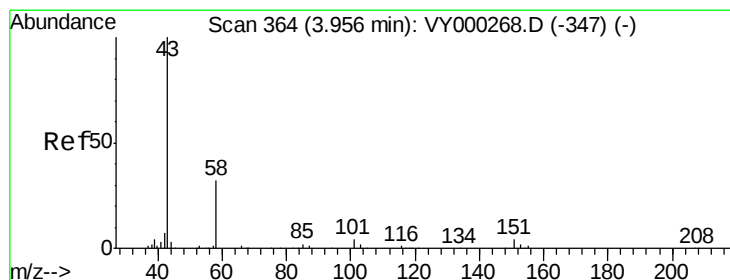
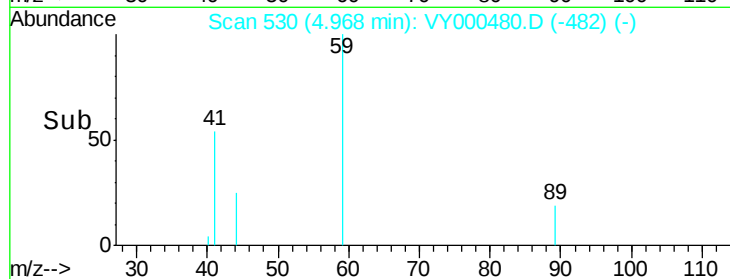
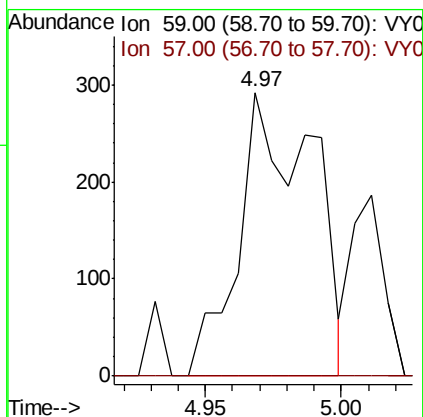
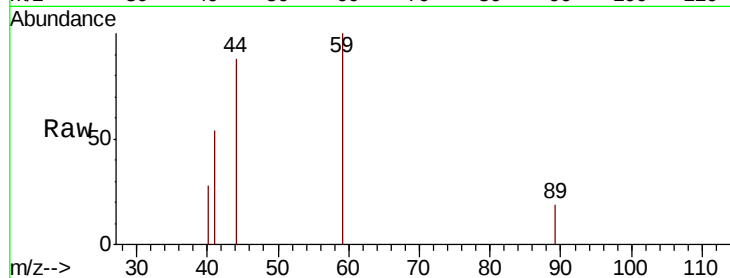


#11

Tert butyl alcohol
 Concen: 2.801 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY000480.D
 Acq: 29 Oct 2019 17:24

Instrument :
 MSVOA_Y
 ClientSampled :

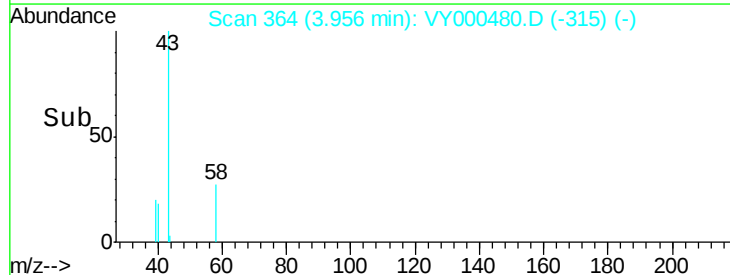
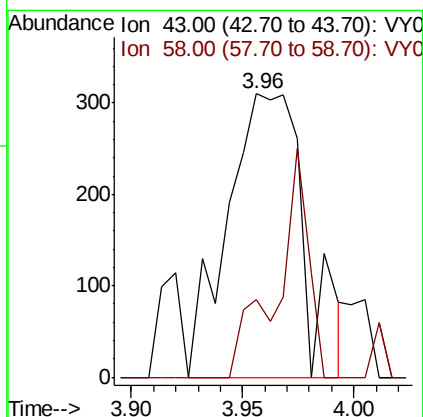
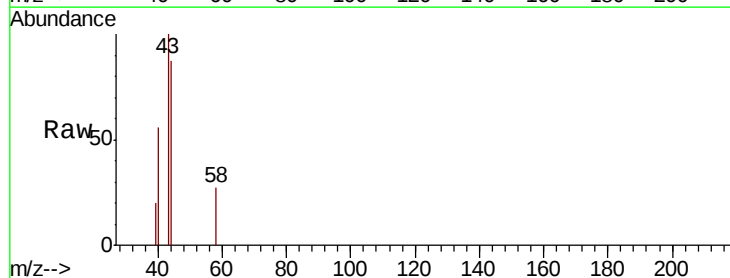
Tot Ion: 59 Resp: 548
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

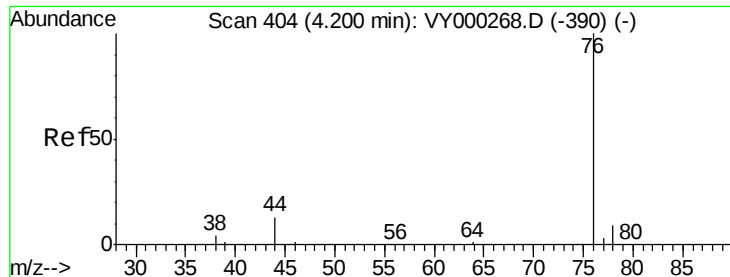


#16

Acetone
 Concen: 1.237 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VY000480.D
 Acq: 29 Oct 2019 17:24

Tgt Ion: 43 Resp: 749
 Ion Ratio Lower Upper
 43 100
 58 27.4 25.8 38.6

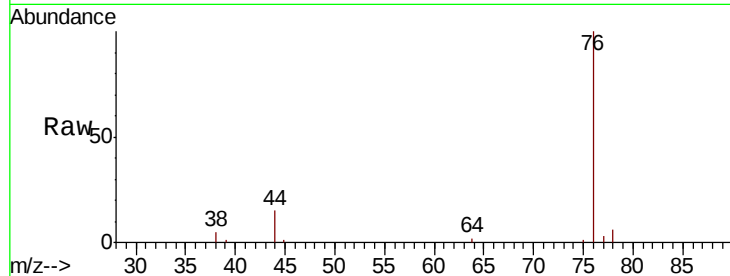




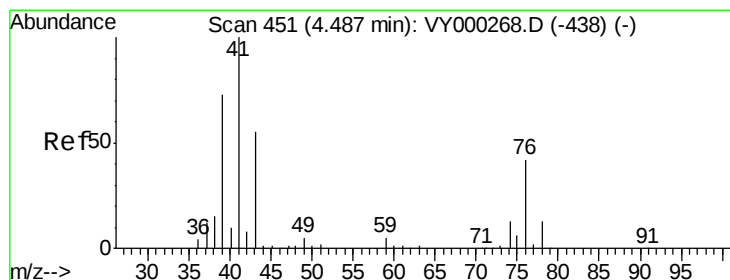
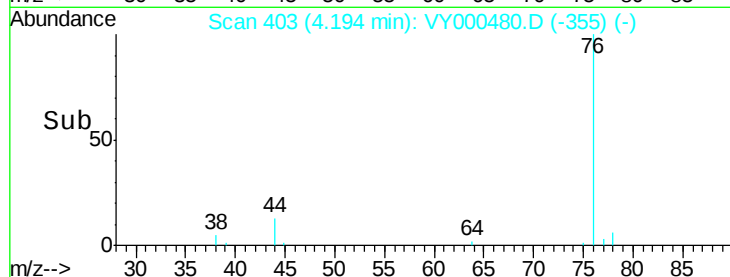
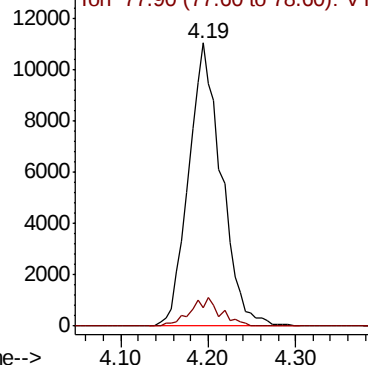
#17
Carbon Disulfide
Concen: 5.107 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000480.D
Acq: 29 Oct 2019 17:24

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 76 Resp: 28785
Ion Ratio Lower Upper
76 100
78 6.4 7.0 10.4#

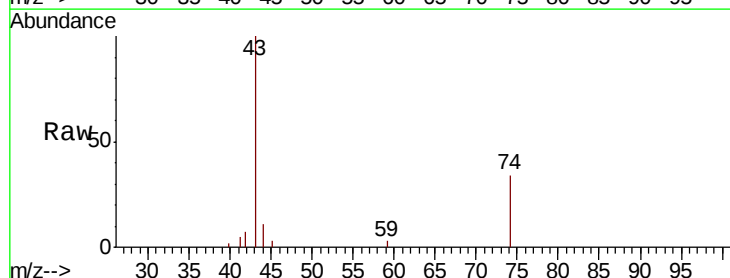


Abundance Ion 75.90 (75.60 to 76.60): VY0
Ion 77.90 (77.60 to 78.60): VY0

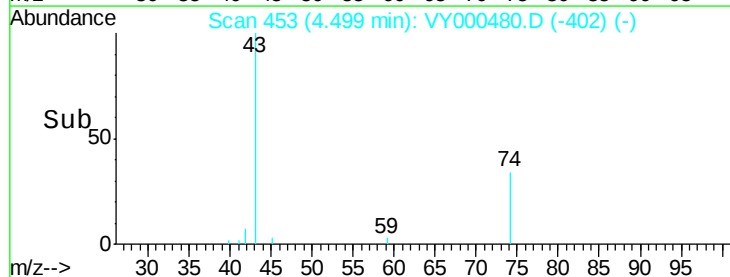
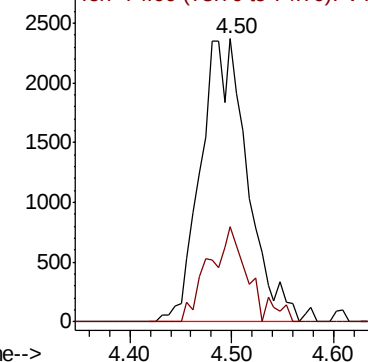


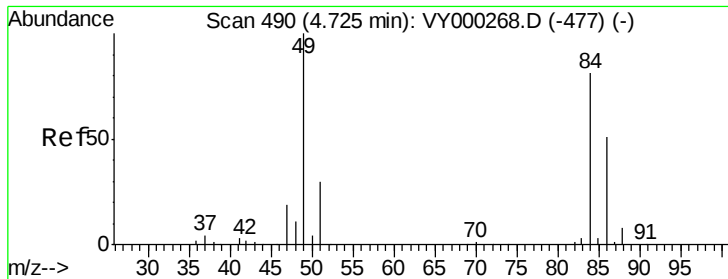
#18
Methyl Acetate
Concen: 5.014 ug/l
RT: 4.50 min Scan# 453
Delta R.T. 0.01 min
Lab File: VY000480.D
Acq: 29 Oct 2019 17:24

Tgt Ion: 43 Resp: 7543
Ion Ratio Lower Upper
43 100
74 28.7 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 74.00 (73.70 to 74.70): VY0

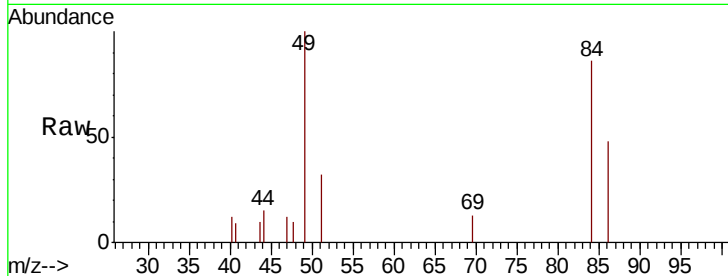




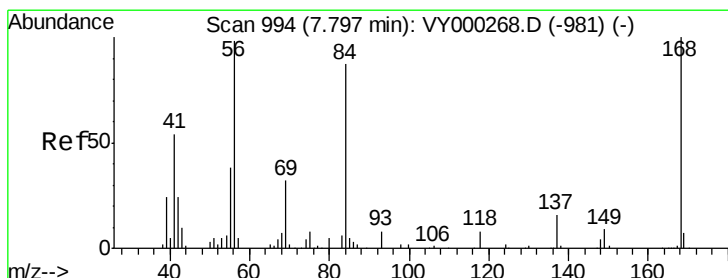
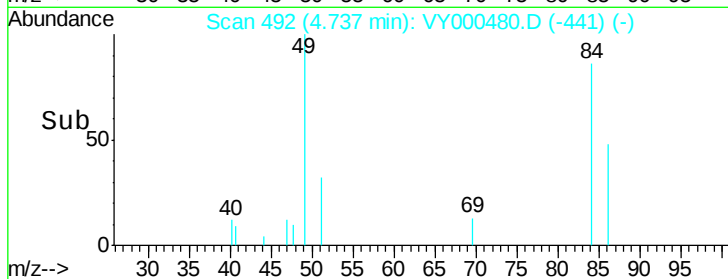
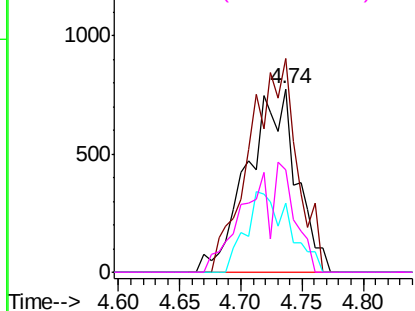
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 492
Delta R.T. 0.01 min
Lab File: VY000480.D
Acq: 29 Oct 2019 17:24

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	84	Resp:	2177
Ion	Ratio	Lower	Upper
84	100		
49	116.5	99.0	148.4
51	37.4	29.3	43.9
86	56.1	50.2	75.4

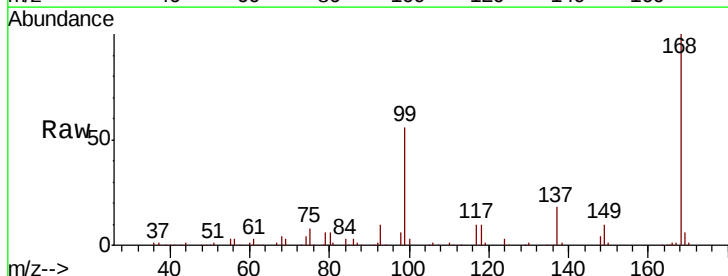


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

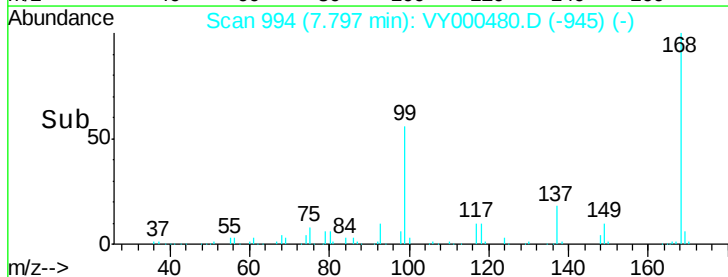
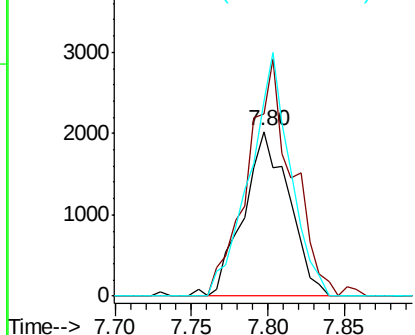


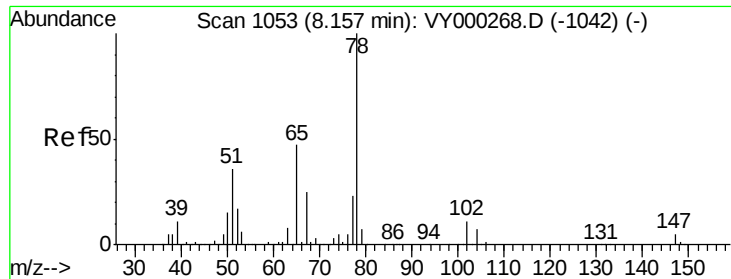
#31
Cyclohexane
Concen: 1.167 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000480.D
Acq: 29 Oct 2019 17:24

Tgt Ion:	56	Resp:	4173
Ion	Ratio	Lower	Upper
56	100		
69	110.8	26.3	39.5#
84	122.9	70.8	106.2#



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

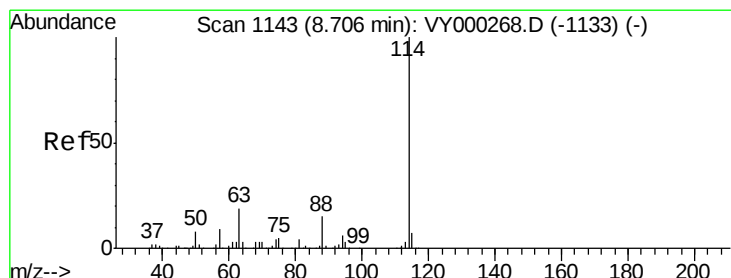
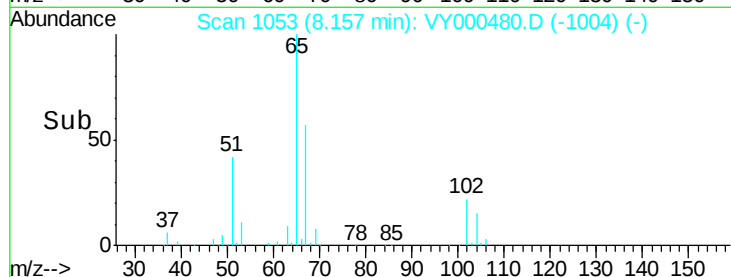
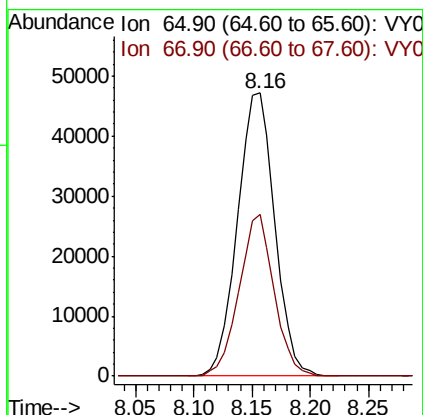
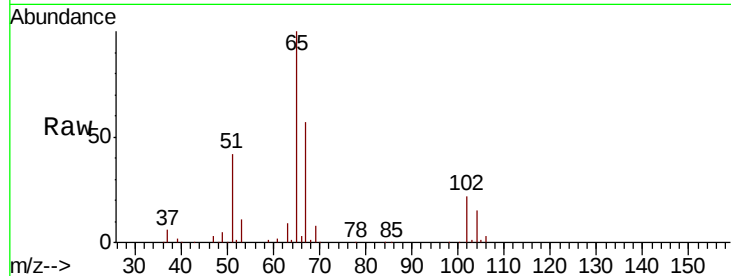




#33
 1,2-Dichloroethane-d4
 Concen: 56.424 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY000480.D
 Acq: 29 Oct 2019 17:24

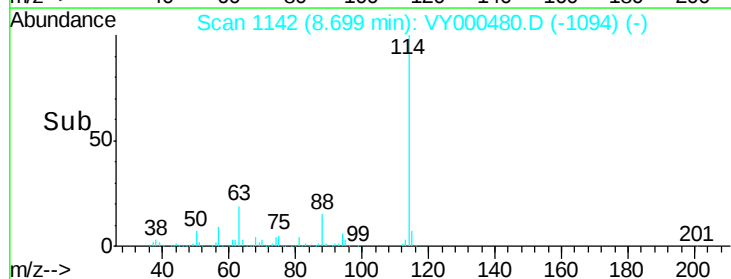
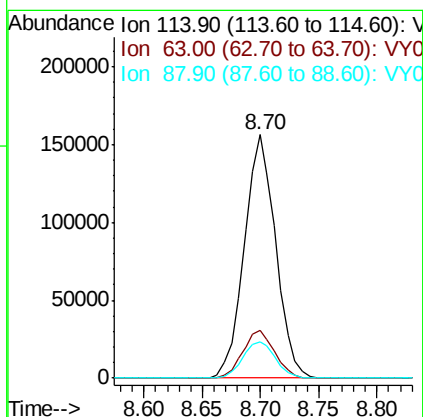
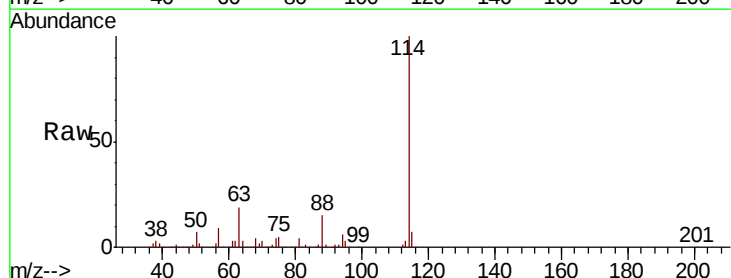
Instrument :
 MSVOA_Y
 ClientSampled :

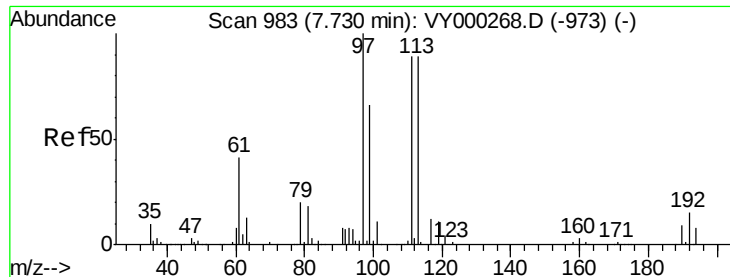
Tot Ion: 65 Resp: 105488
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000480.D
 Acq: 29 Oct 2019 17:24

Tgt Ion: 114 Resp: 293446
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 37.2
 88 14.6 0.0 30.2

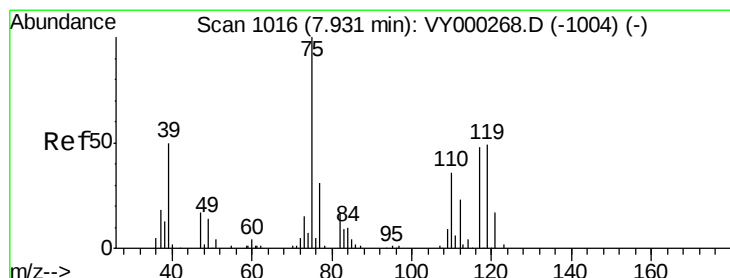
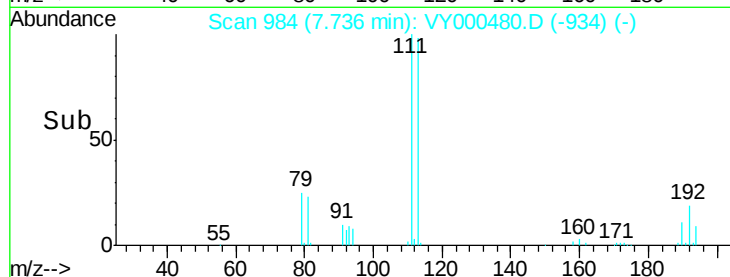
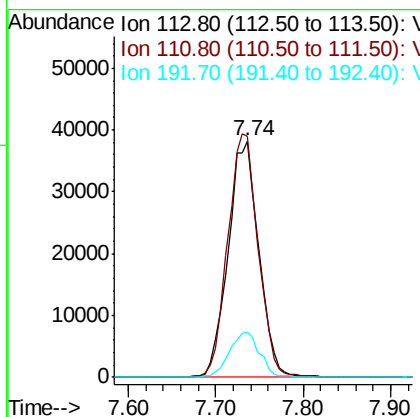
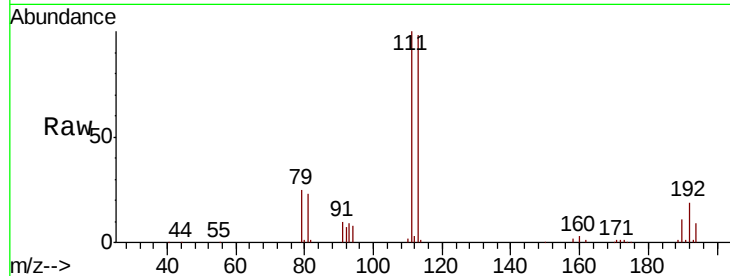




#35
 Dibromofluoromethane
 Concen: 52.597 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.01 min
 Lab File: VY000480.D
 Acq: 29 Oct 2019 17:24

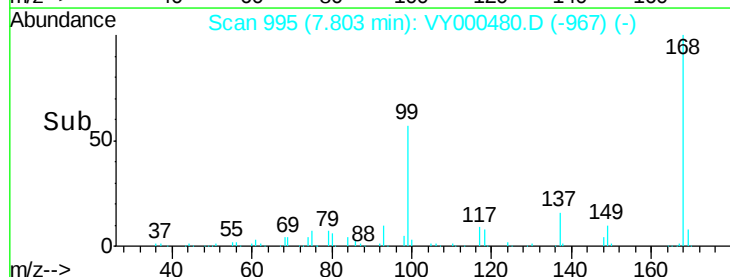
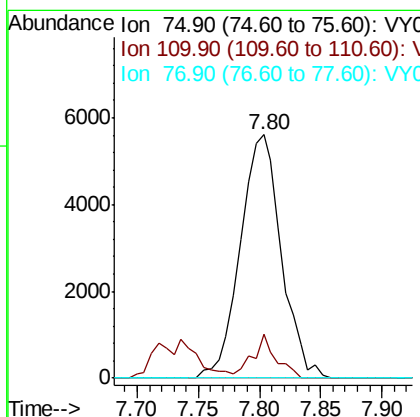
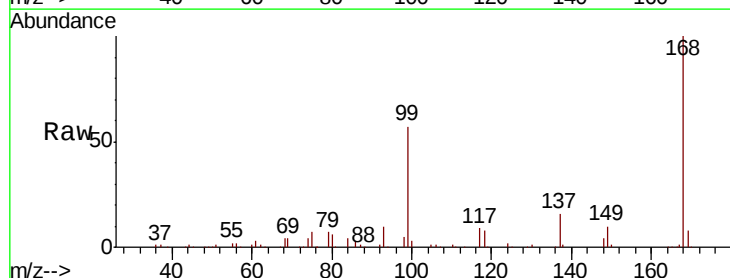
Instrument :
 MSVOA_Y
 ClientSampled :

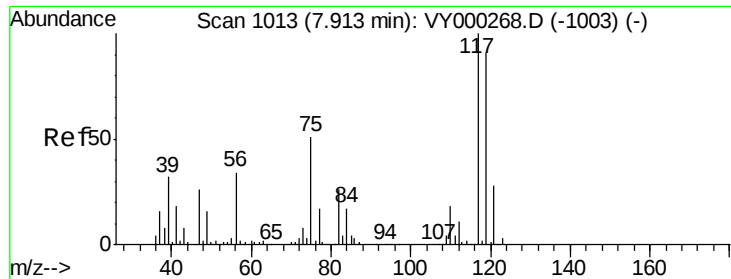
Tot Ion:113 Resp: 93102
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.6 122.4
 192 18.9 15.3 22.9



#36
 1,1-Dichloropropene
 Concen: 4.548 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000480.D
 Acq: 29 Oct 2019 17:24

Tgt Ion: 75 Resp: 13066
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.4 55.4#
 77 0.0 25.0 37.6#

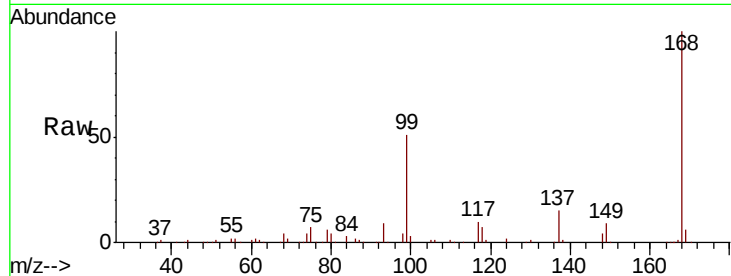




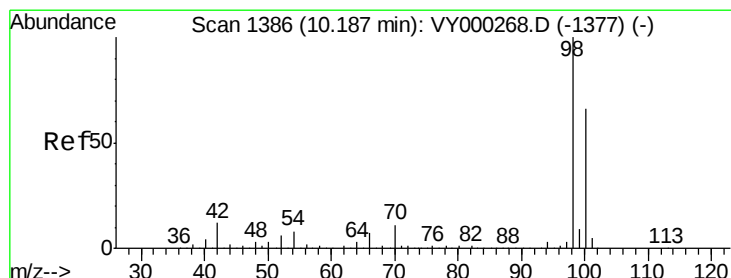
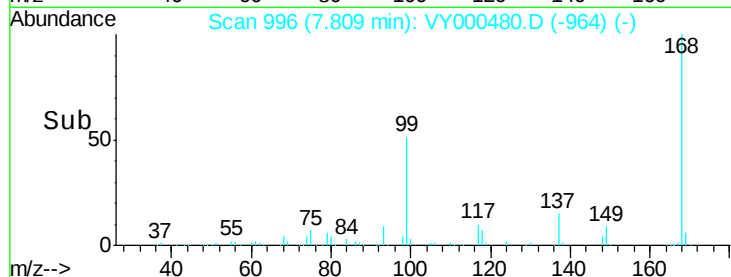
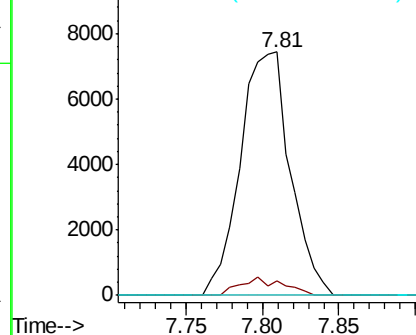
#38
Carbon Tetrachloride
Concen: 6.093 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.10 min
Lab File: VY000480.D
Acq: 29 Oct 2019 17:24

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 16948
Ion Ratio Lower Upper
117 100
119 5.9 72.8 109.2#
121 0.0 22.2 33.2#

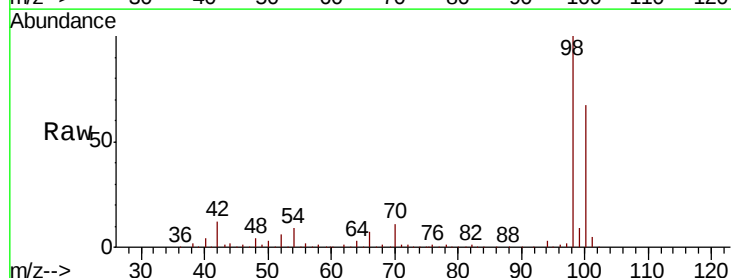


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

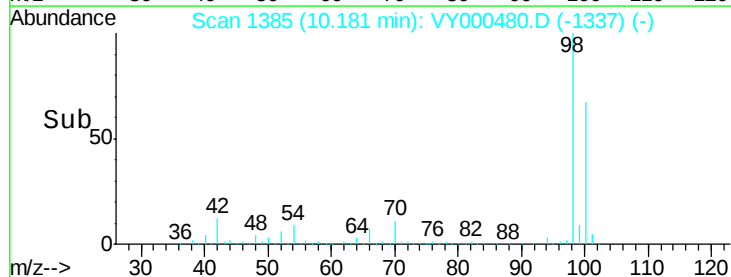
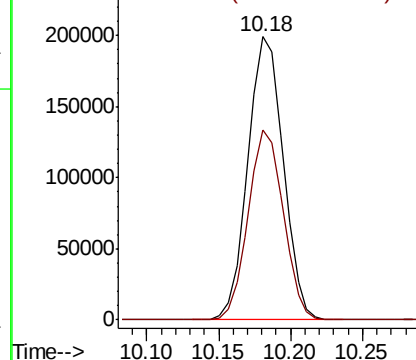


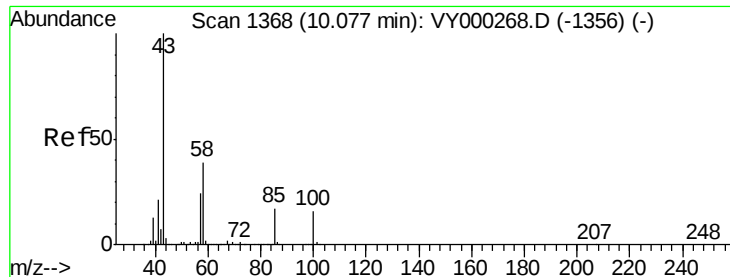
#50
Toluene-d8
Concen: 49.815 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000480.D
Acq: 29 Oct 2019 17:24

Tgt Ion: 98 Resp: 339196
Ion Ratio Lower Upper
98 100
100 66.6 52.8 79.2



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: 1.065 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.11 min

Lab File: VY000480.D

Acq: 29 Oct 2019 17:24

Instrument :

MSVOA_Y

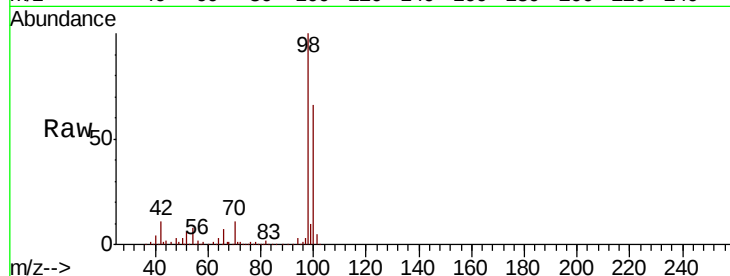
ClientSampleId :

Tot Ion: 43 Resp: 1777

Ion Ratio Lower Upper

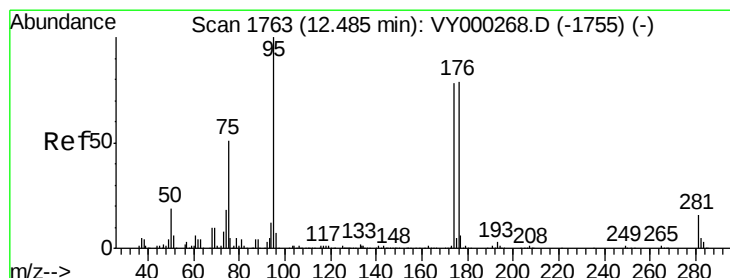
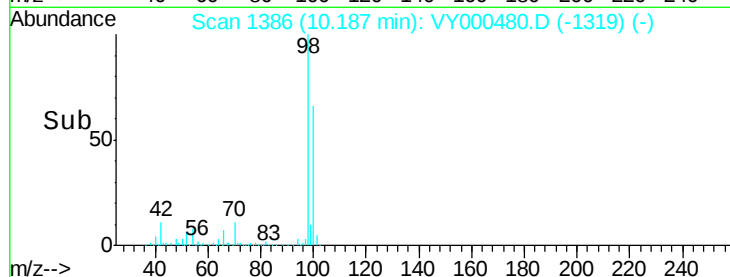
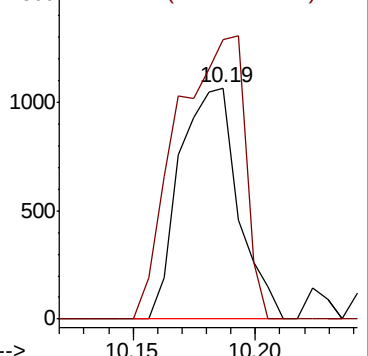
43 100

58 142.1 31.0 46.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 28.387 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000480.D

Acq: 29 Oct 2019 17:24

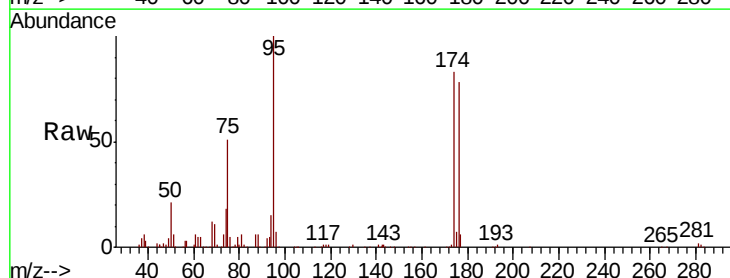
Tgt Ion: 95 Resp: 73433

Ion Ratio Lower Upper

95 100

174 84.1 0.0 159.6

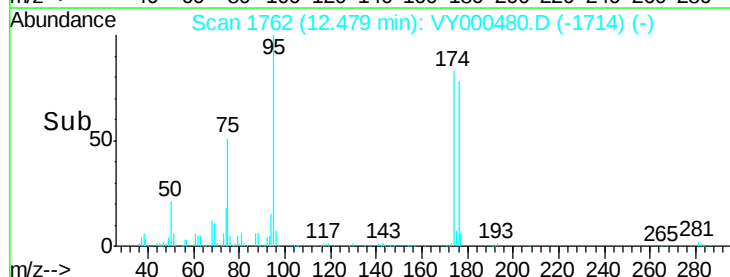
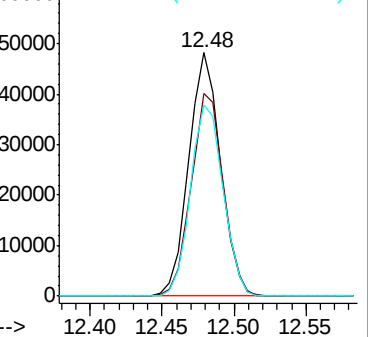
176 80.4 0.0 153.8

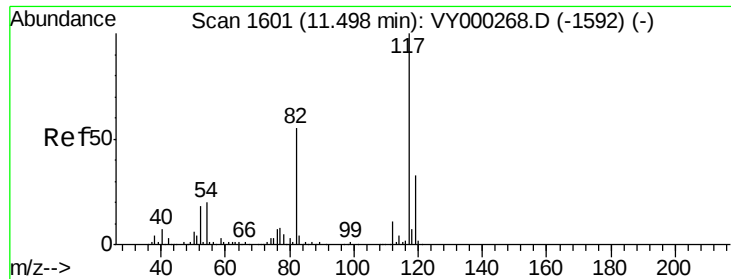


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

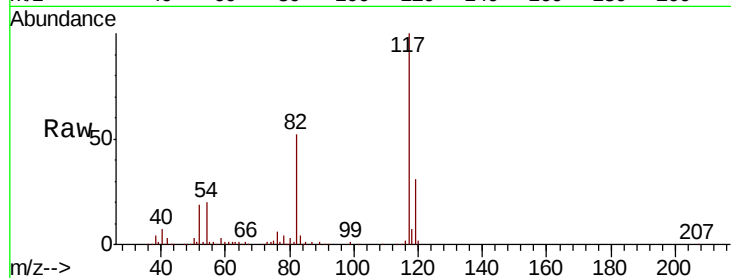




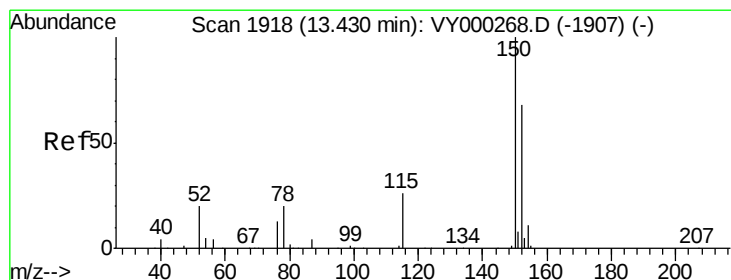
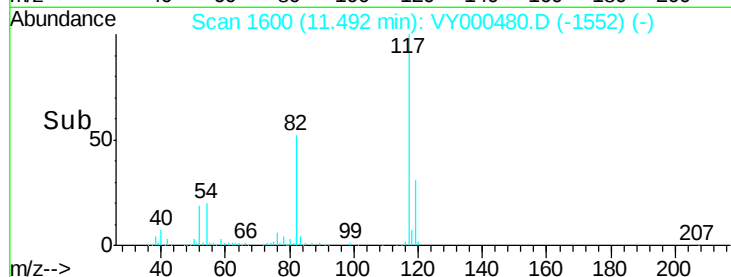
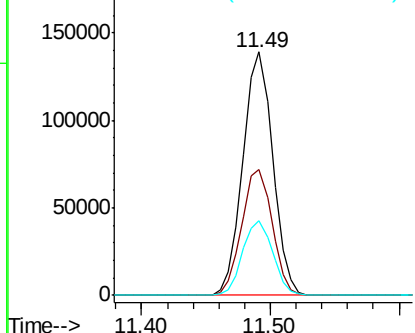
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000480.D
Acq: 29 Oct 2019 17:24

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 223762
Ion Ratio Lower Upper
117 100
82 51.6 43.7 65.5
119 30.9 26.6 39.8

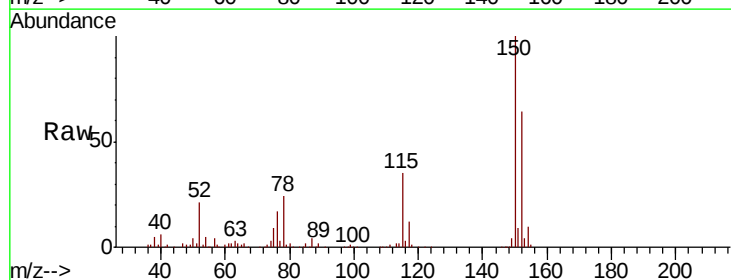


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

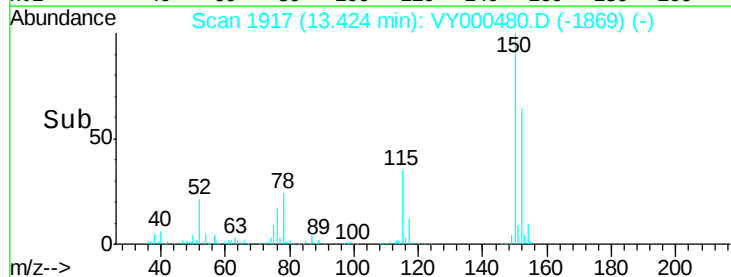
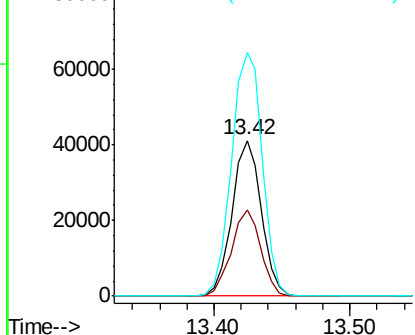


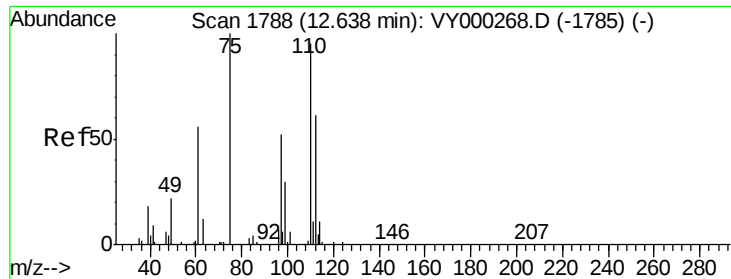
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000480.D
Acq: 29 Oct 2019 17:24

Tgt Ion:152 Resp: 61502
Ion Ratio Lower Upper
152 100
115 55.5 29.3 88.0
150 164.5 0.0 348.4



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: 50.279 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000480.D

Acq: 29 Oct 2019 17:24

Instrument :

MSVOA_Y

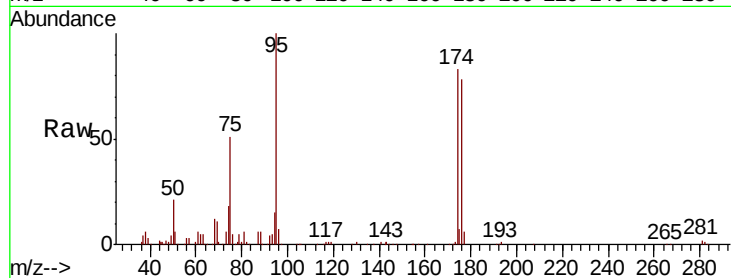
ClientSampled :

Tot Ion: 75 Resp: 38024

Ion Ratio Lower Upper

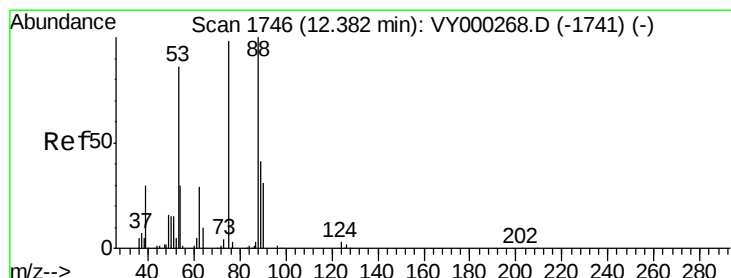
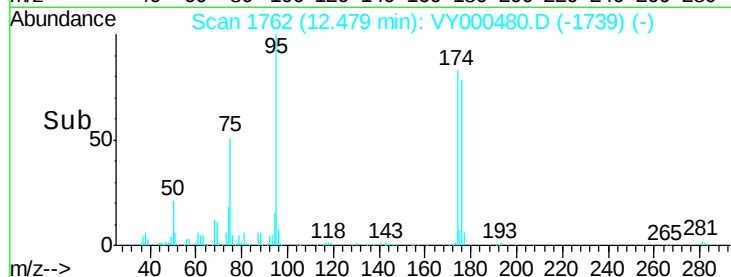
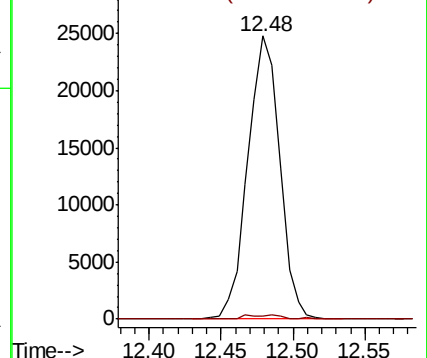
75 100

77 0.8 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: 110.008 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000480.D

Acq: 29 Oct 2019 17:24

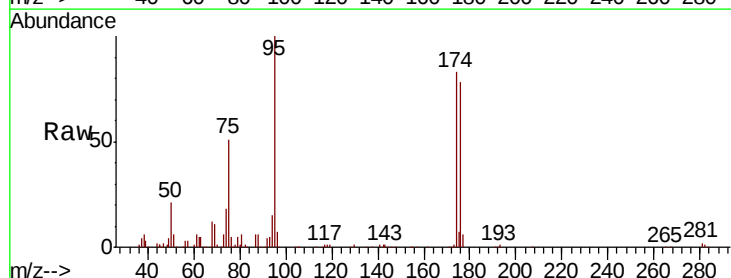
Tgt Ion: 75 Resp: 38024

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.1 35.1 52.7#



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

