

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001033.D
 Acq On : 23 Dec 2019 17:01
 Operator : SY/MD
 Sample : K6396-08RE
 Misc : 5.89G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-3-(3-4)RE

Quant Time: Dec 24 04:44:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	83216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	134892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	98417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	35484	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	29929	36.47	ug/l	0.00
Spiked Amount			Recovery	=	72.94%	
35) Dibromofluoromethane	7.73	113	35250	44.38	ug/l	0.00
Spiked Amount			Recovery	=	88.76%	
50) Toluene-d8	10.18	98	155923	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.48	95	37209	32.78	ug/l	0.00
Spiked Amount			Recovery	=	65.56%	

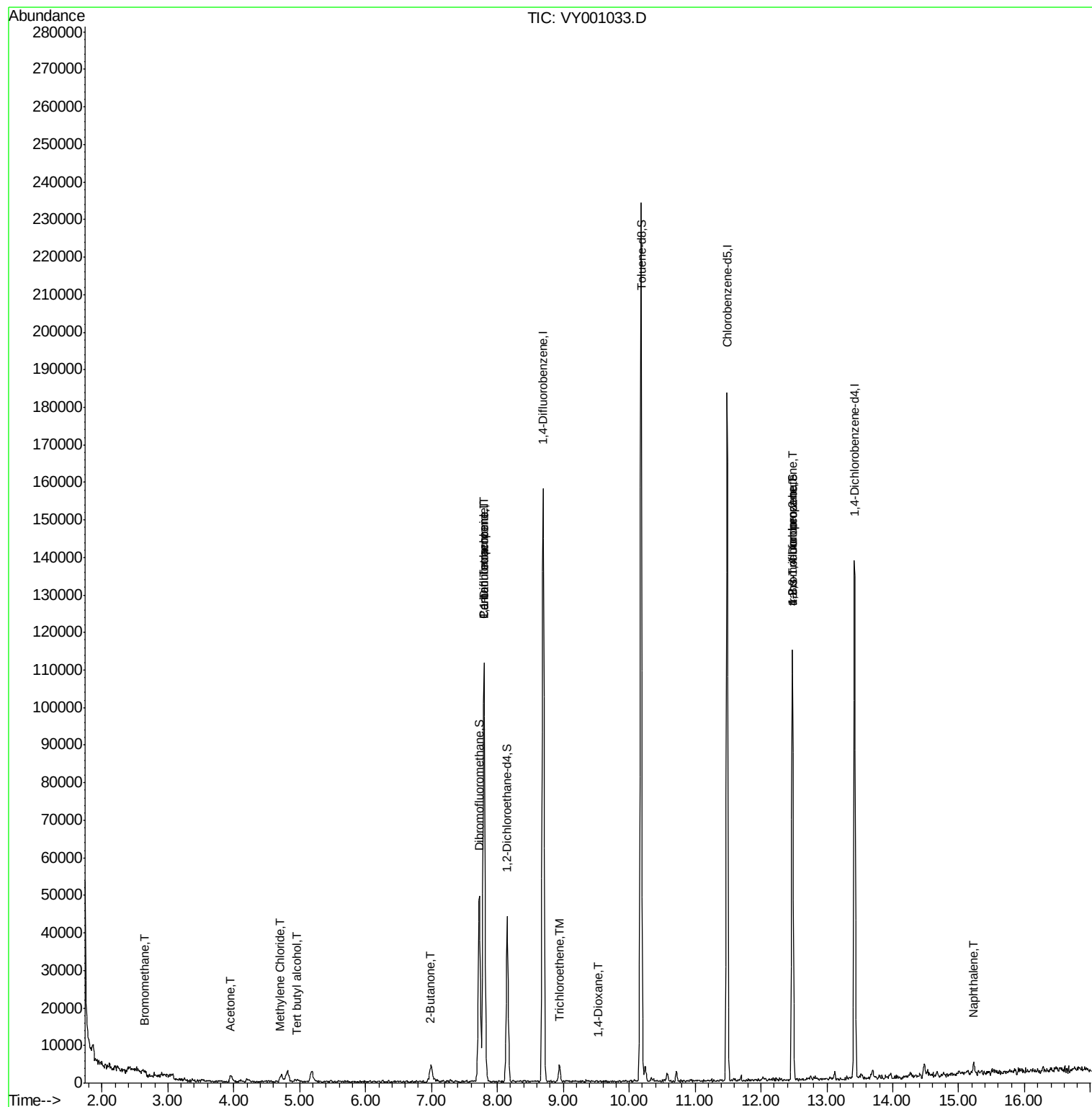
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.65	94	366	1.281	ug/l #	3
11) Tert butyl alcohol	4.96	59	776	8.599	ug/l #	74
16) Acetone	3.94	43	2633	13.926	ug/l	100
20) Methylene Chloride	4.71	84	1402	1.260	ug/l #	68
25) 2-Butanone	6.98	43	684	2.059	ug/l #	47
36) 1,1-Dichloropropene	7.80	75	7587	5.896	ug/l #	47
38) Carbon Tetrachloride	7.80	117	8503	7.542	ug/l #	17
44) Trichloroethene	8.95	130	1437	1.405	ug/l	67
49) 1,4-Dioxane	9.53	88	20	2.723	ug/l #	24
76) 1,2,3-Trichloropropane	12.47	75	19207	43.907	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.47	75	19207	93.644	ug/l #	19
95) Naphthalene	15.23	128	1791	1.031	ug/l #	94

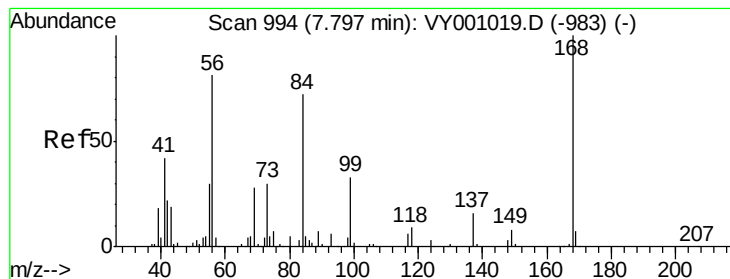
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001033.D

Acq: 23 Dec 2019 17:01

Instrument :

MSVOA_Y

ClientSampleId :

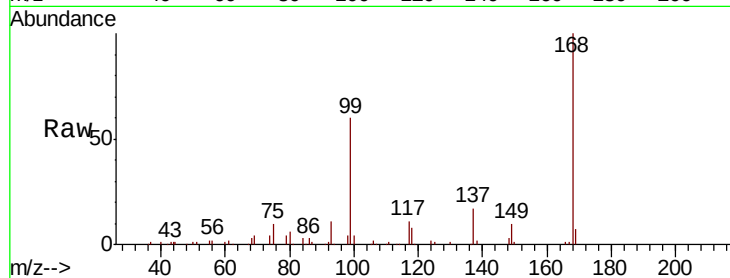
SB-3-(3-4)RE

Tot Ion:168 Resp: 83216

Ion Ratio Lower Upper

168 100

99 60.0 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

40000

30000

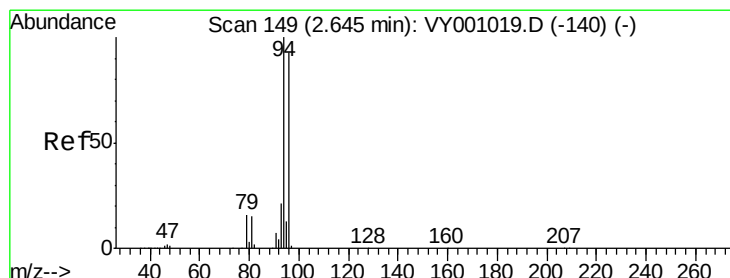
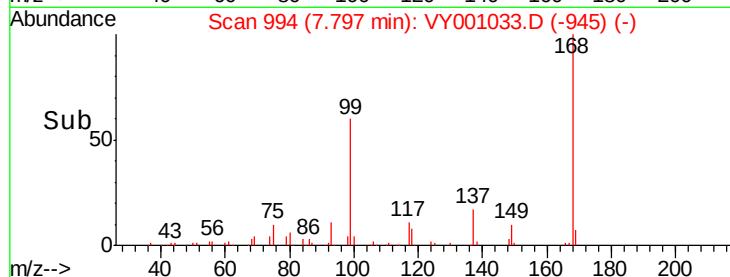
20000

10000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#5

Bromomethane

Concen: 1.281 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY001033.D

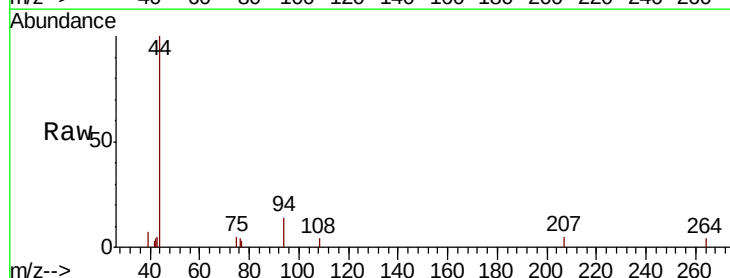
Acq: 23 Dec 2019 17:01

Tgt Ion: 94 Resp: 366

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.4#



Abundance Ion 93.90 (93.60 to 94.60): VY001019.D (-140) (-)

Ion 95.90 (95.60 to 96.60): VY001019.D (-140) (-)

2.65

300

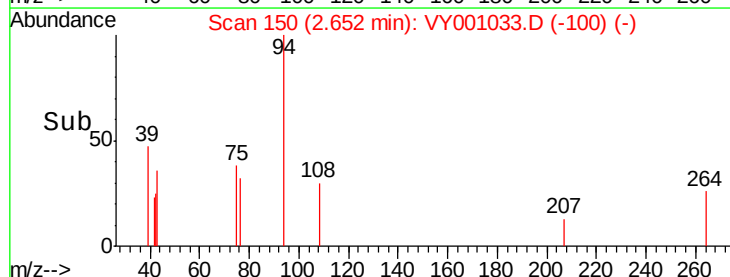
200

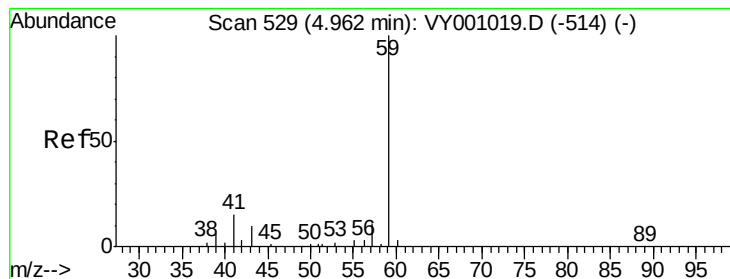
100

0

2.65 2.70

Time-->





#11

Tert butyl alcohol

Concen: 8.599 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY001033.D

Acq: 23 Dec 2019 17:01

Instrument :

MSVOA_Y

ClientSampleId :

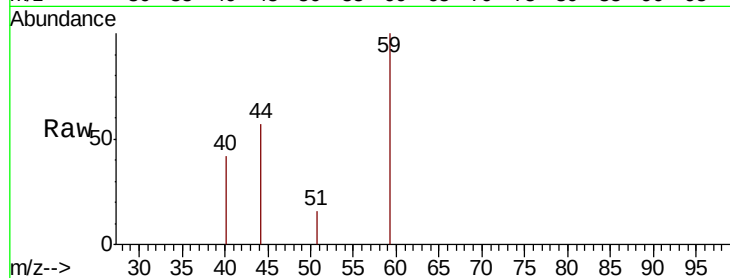
SB-3-(3-4)RE

Tot Ion: 59 Resp: 776

Ion Ratio Lower Upper

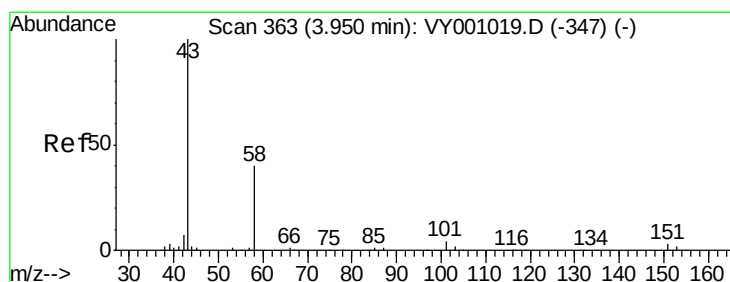
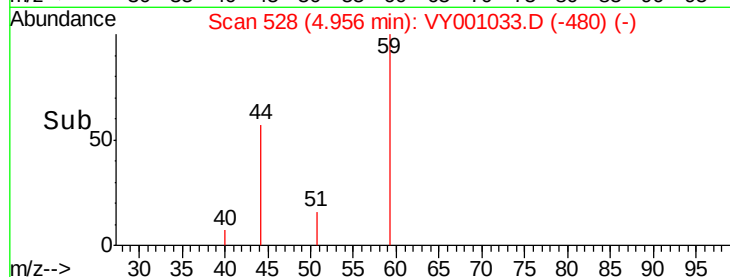
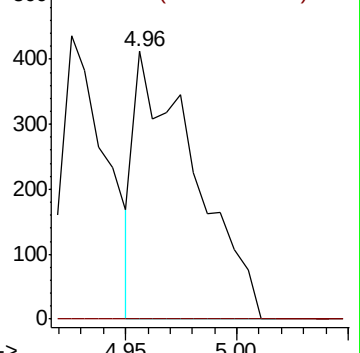
59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#16

Acetone

Concen: 13.926 ug/l

RT: 3.94 min Scan# 362

Delta R.T. -0.01 min

Lab File: VY001033.D

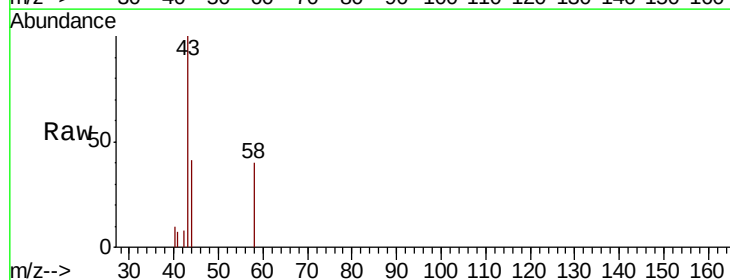
Acq: 23 Dec 2019 17:01

Tgt Ion: 43 Resp: 2633

Ion Ratio Lower Upper

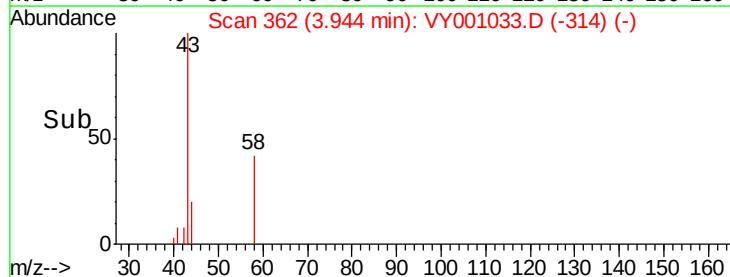
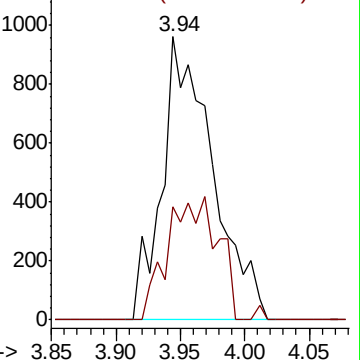
43 100

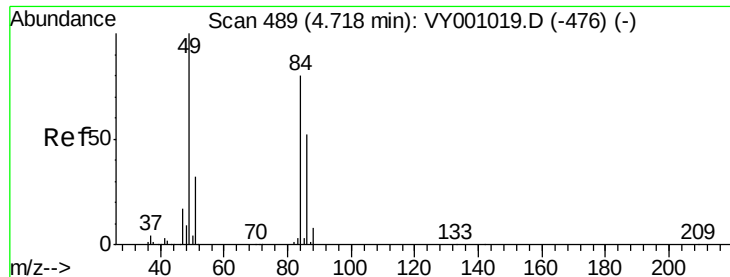
58 39.8 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

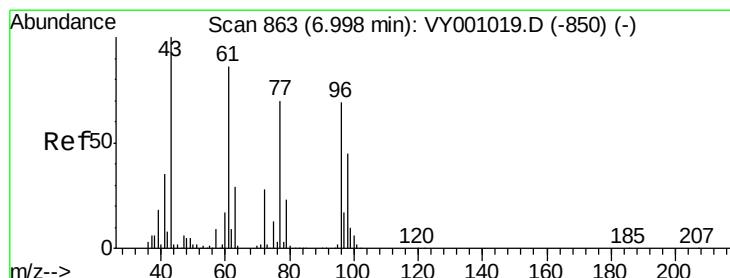
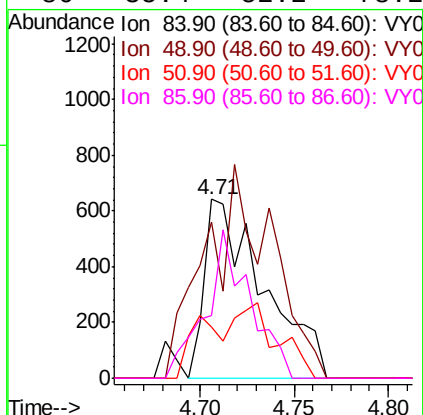
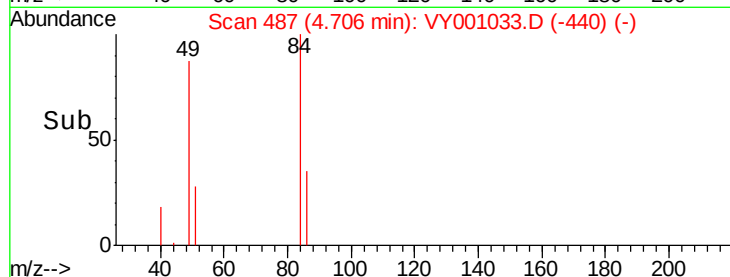
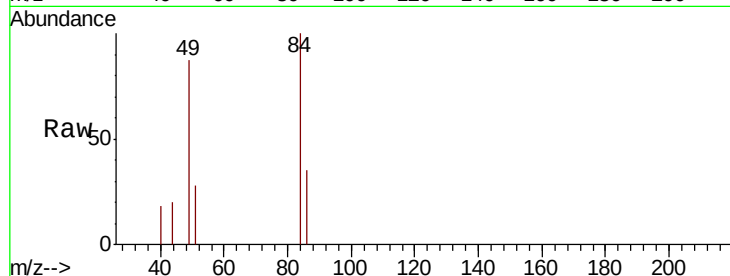




#20
Methvlene Chloride
Concen: 1.260 ug/l
RT: 4.71 min Scan# 487
Delta R.T. -0.01 min
Lab File: VY001033.D
Acq: 23 Dec 2019 17:01

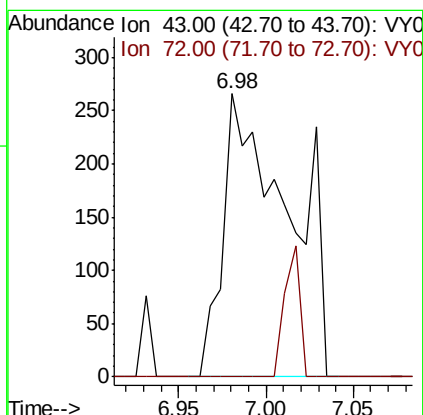
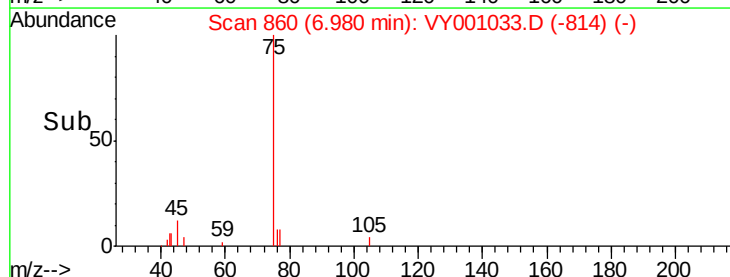
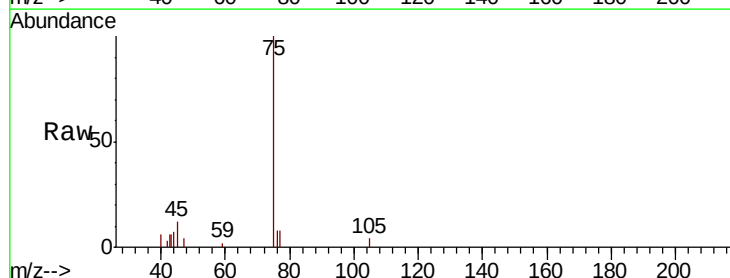
Instrument :
MSVOA_Y
ClientSampleId :
SB-3-(3-4)RE

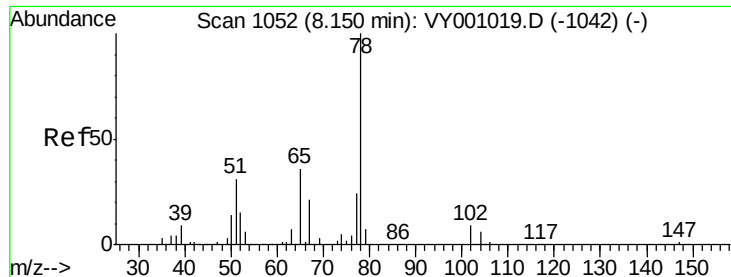
Tot Ion: 84 Resp: 1402
Ion Ratio Lower Upper
84 100
49 87.2 99.8 149.6#
51 28.3 31.4 47.2#
86 35.4 52.2 78.2#



#25
2-Butanone
Concen: 2.059 ug/l
RT: 6.98 min Scan# 860
Delta R.T. -0.02 min
Lab File: VY001033.D
Acq: 23 Dec 2019 17:01

Tgt Ion: 43 Resp: 684
Ion Ratio Lower Upper
43 100
72 0.0 22.4 33.6#

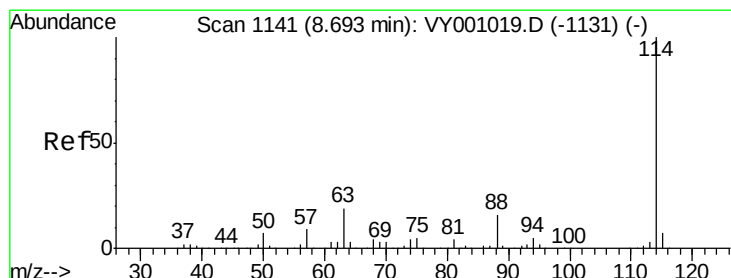
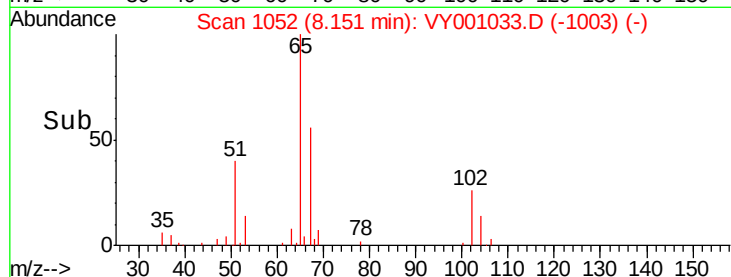
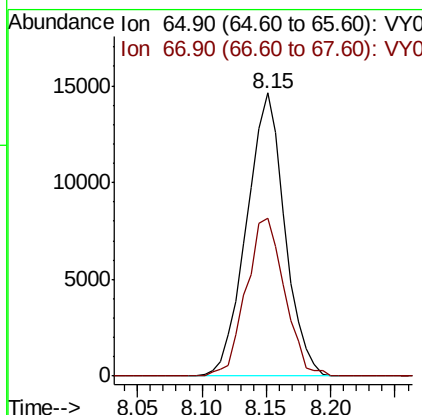
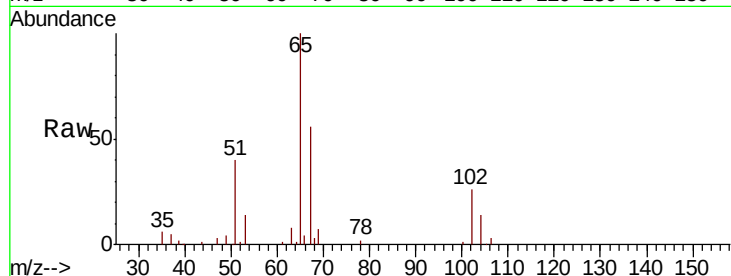




#33
 1,2-Dichloroethane-d4
 Concen: 36.466 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001033.D
 Acq: 23 Dec 2019 17:01

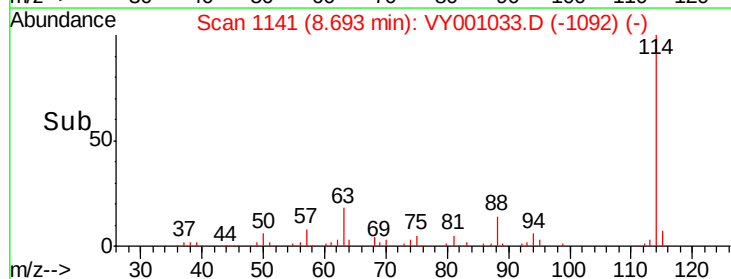
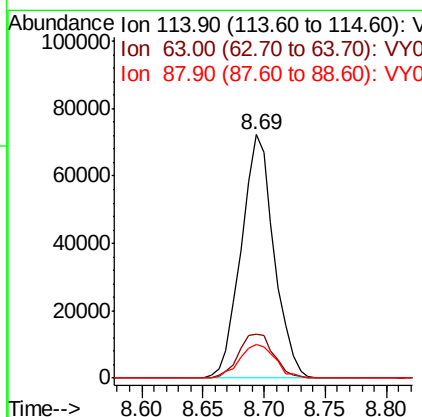
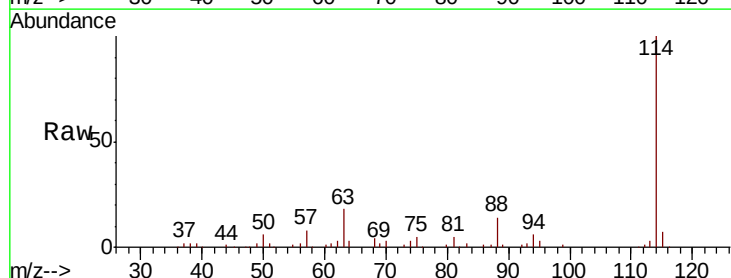
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-3-(3-4)RE

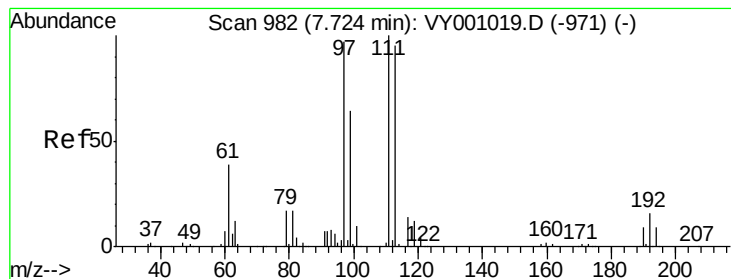
Tot Ion: 65 Resp: 29929
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001033.D
 Acq: 23 Dec 2019 17:01

Tgt Ion: 114 Resp: 134892
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 37.0
 88 13.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 44.378 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001033.D

Acq: 23 Dec 2019 17:01

Instrument :

MSVOA_Y

ClientSampleId :

SB-3-(3-4)RE

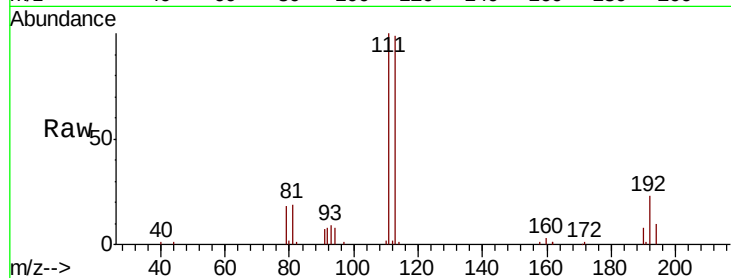
Tot Ion:113 Resp: 35250

Ion Ratio Lower Upper

113 100

111 100.5 83.0 124.4

192 18.7 14.6 21.8

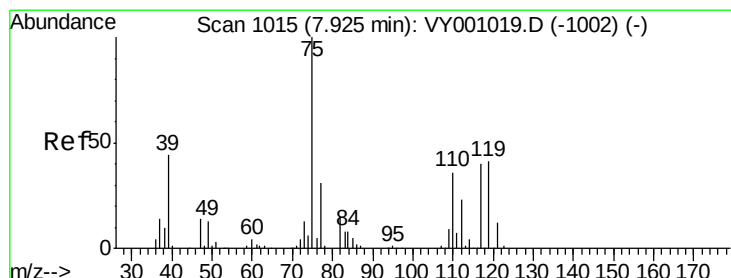
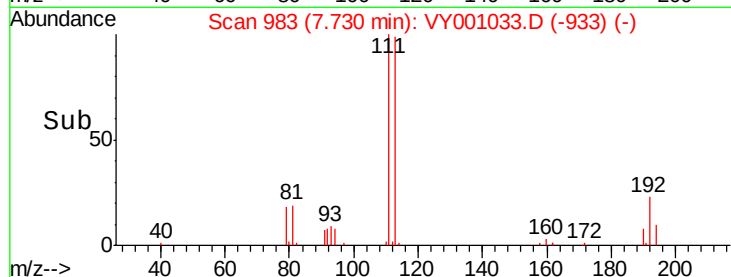
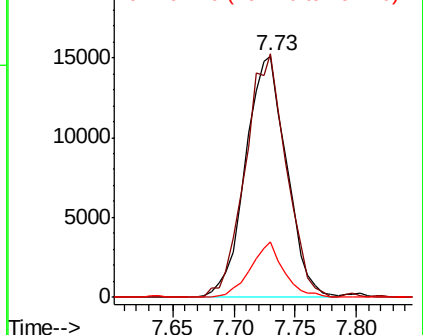


Abundance

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: 5.896 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY001033.D

Acq: 23 Dec 2019 17:01

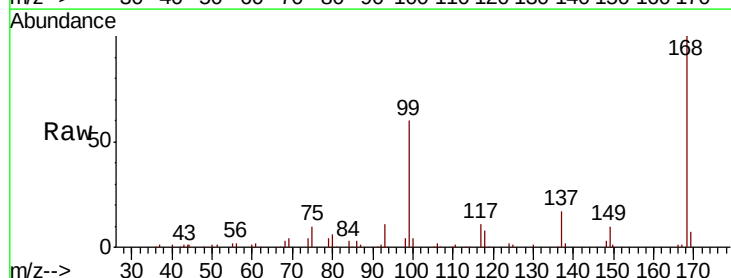
Tgt Ion: 75 Resp: 7587

Ion Ratio Lower Upper

75 100

110 6.1 18.1 54.4#

77 0.0 24.6 37.0#

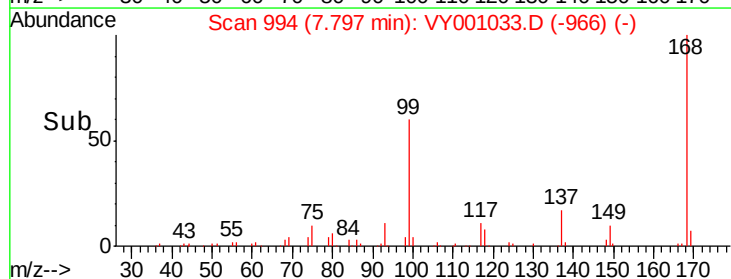
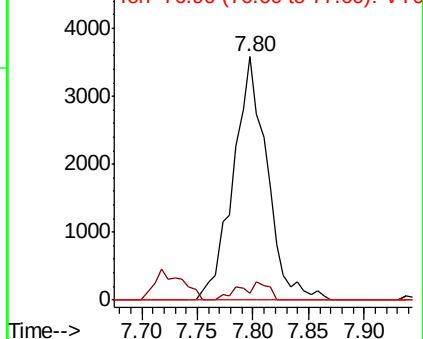


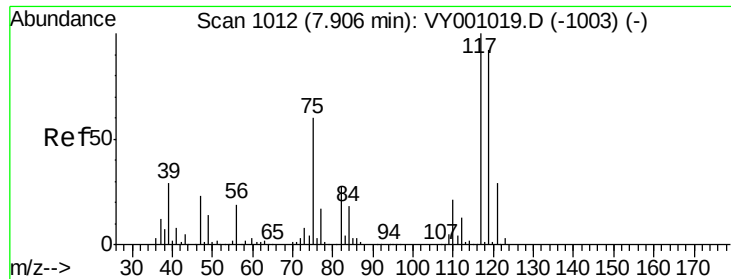
Abundance

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

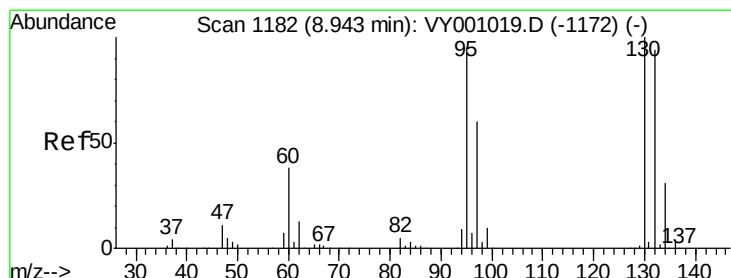
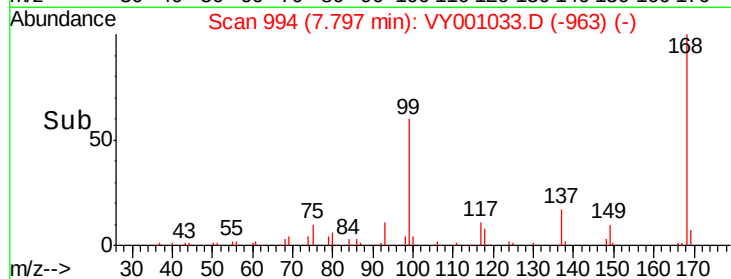
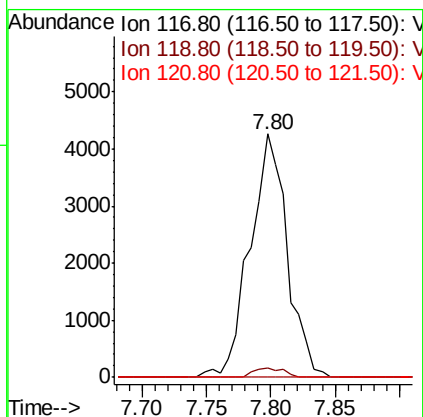
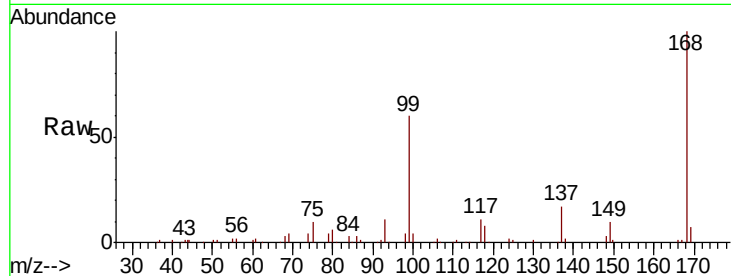




#38
Carbon Tetrachloride
Concen: 7.542 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY001033.D
Acq: 23 Dec 2019 17:01

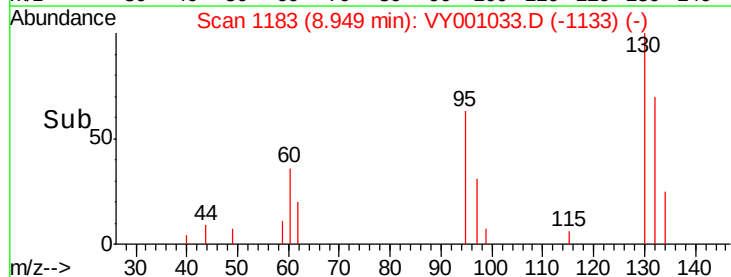
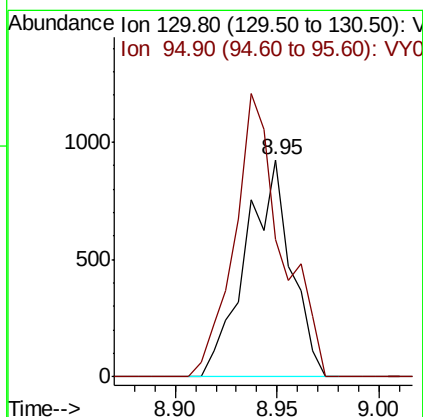
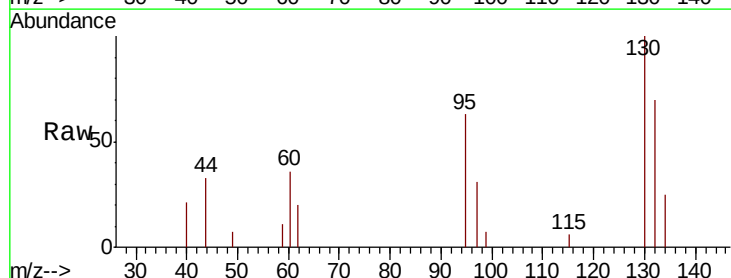
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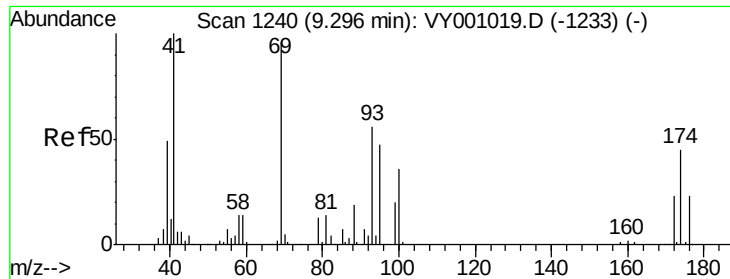
Tot Ion:117 Resp: 8503
Ion Ratio Lower Upper
117 100
119 4.1 74.2 111.2#
121 0.0 22.9 34.3#



#44
Trichloroethene
Concen: 1.405 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VY001033.D
Acq: 23 Dec 2019 17:01

Tgt Ion:130 Resp: 1437
Ion Ratio Lower Upper
130 100
95 63.1 0.0 190.6

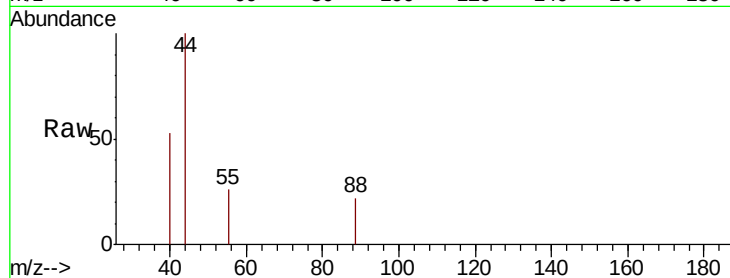




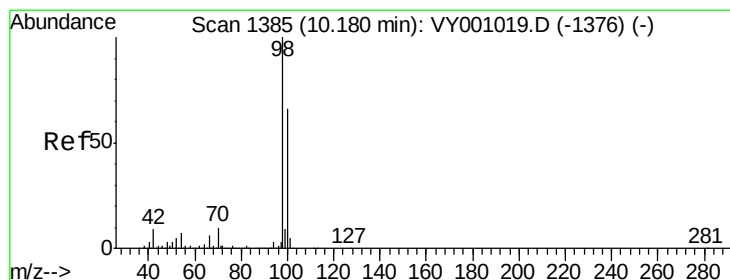
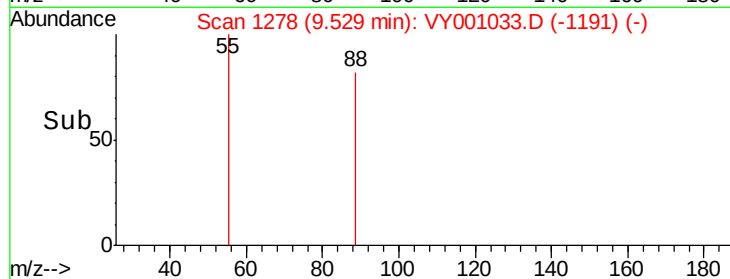
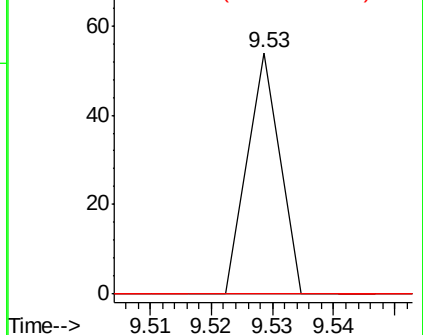
#49
 1,4-Dioxane
 Concen: 2.723 ug/l
 RT: 9.53 min Scan# 1278
 Delta R.T. 0.23 min
 Lab File: VY001033.D
 Acq: 23 Dec 2019 17:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-3-(3-4)RE

Tot Ion	88	Resp	20
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.0	34.4#
58	0.0	54.9	82.3#

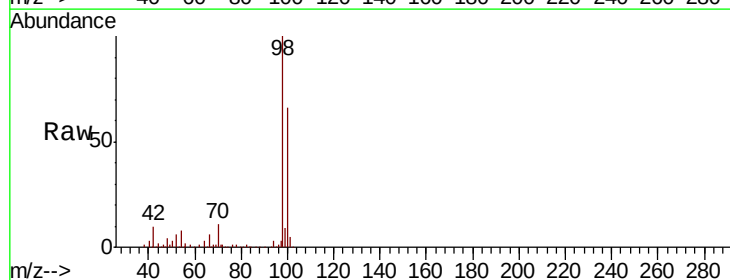


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

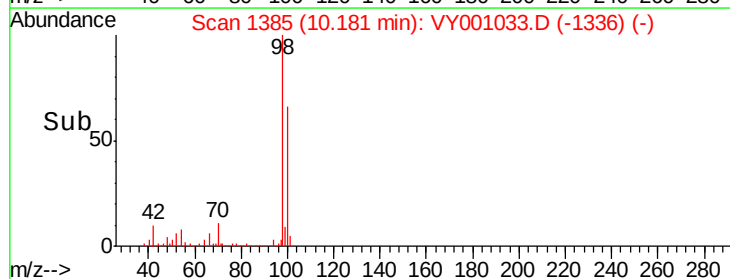
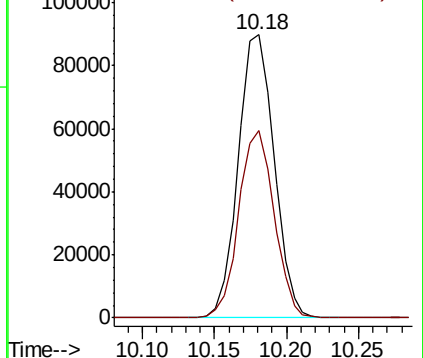


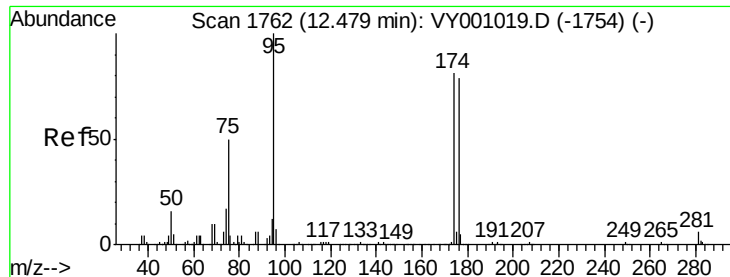
#50
 Toluene-d8
 Concen: 50.230 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY001033.D
 Acq: 23 Dec 2019 17:01

Tgt Ion	98	Resp	155923
Ion	Ratio	Lower	Upper
98	100		
100	65.1	53.0	79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
 Ion 100.00 (99.70 to 100.70): VY0

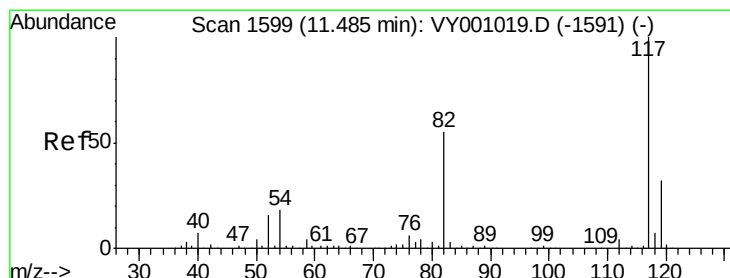
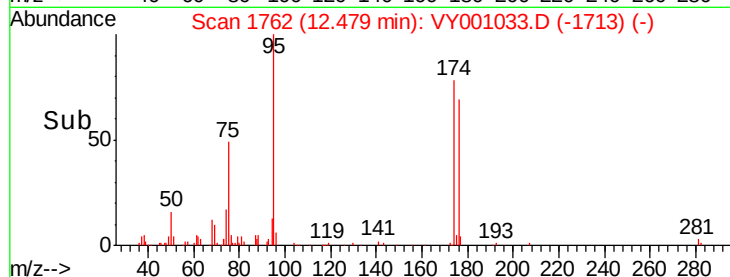
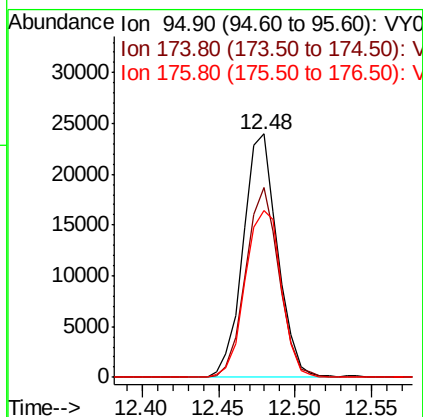
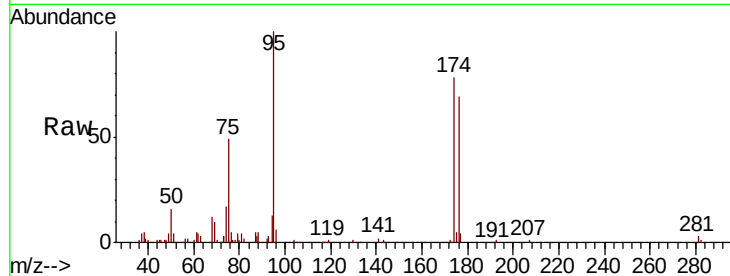




#62
4-Bromofluorobenzene
Concen: 32.785 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001033.D
Acq: 23 Dec 2019 17:01

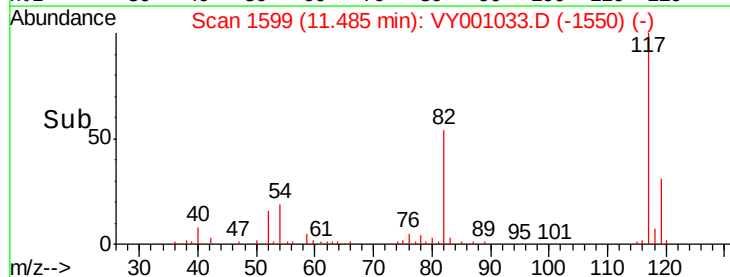
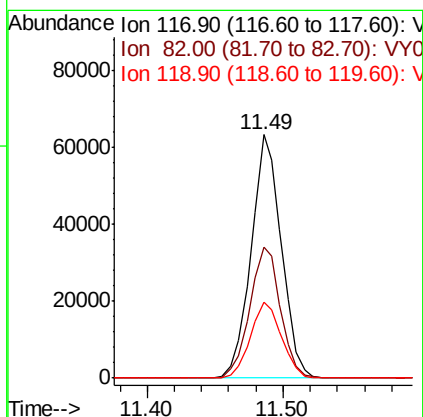
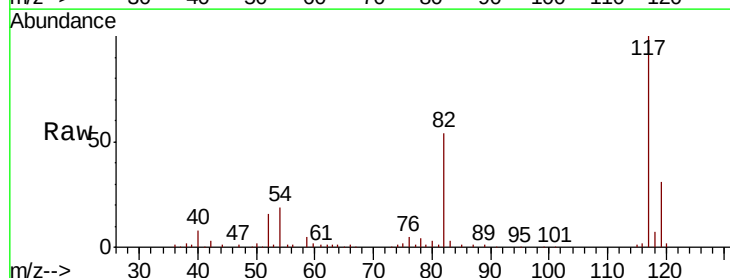
Instrument :
MSVOA_Y
ClientSampleId :
SB-3-(3-4)RE

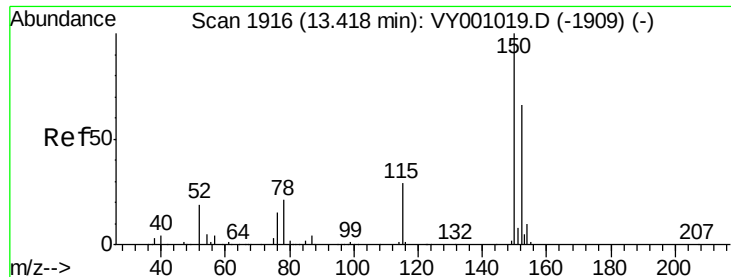
Tot Ion: 95 Resp: 37209
Ion Ratio Lower Upper
95 100
174 76.1 0.0 156.4
176 72.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001033.D
Acq: 23 Dec 2019 17:01

Tgt Ion: 117 Resp: 98417
Ion Ratio Lower Upper
117 100
82 53.8 43.8 65.8
119 31.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.01 min

Lab File: VY001033.D

Acq: 23 Dec 2019 17:01

Instrument :

MSVOA_Y

ClientSampleId :

SB-3-(3-4)RE

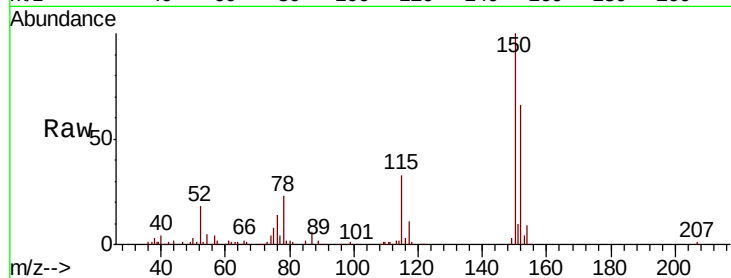
Tot Ion:152 Resp: 35484

Ion Ratio Lower Upper

152 100

115 56.6 29.8 89.3

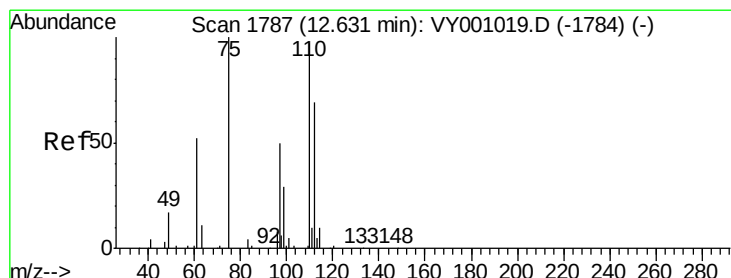
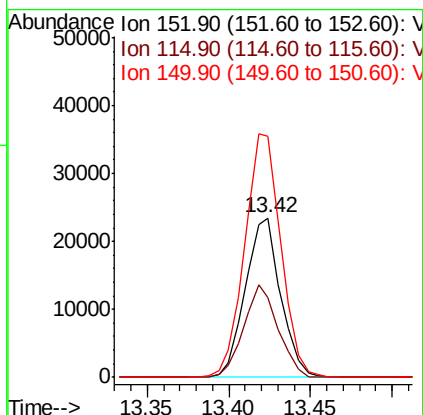
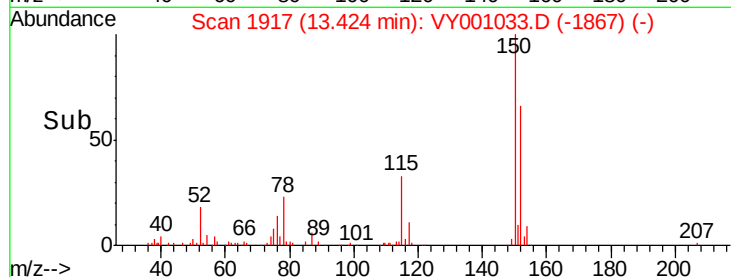
150 155.7 0.0 352.6



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: 43.907 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.16 min

Lab File: VY001033.D

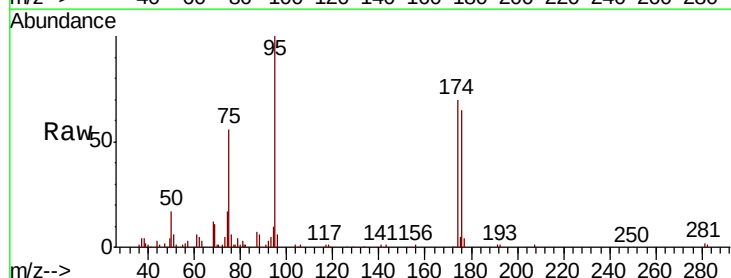
Acq: 23 Dec 2019 17:01

Tgt Ion: 75 Resp: 19207

Ion Ratio Lower Upper

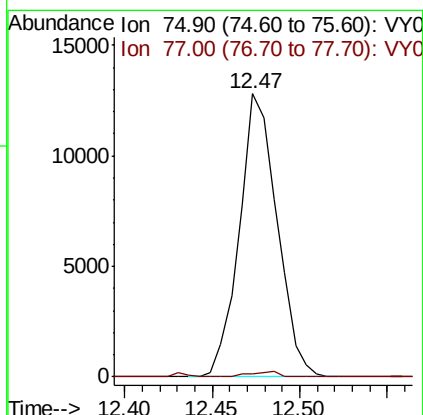
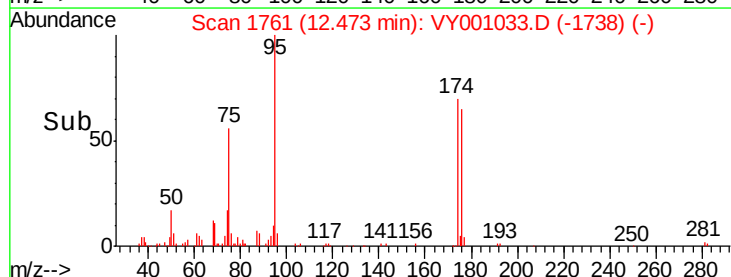
75 100

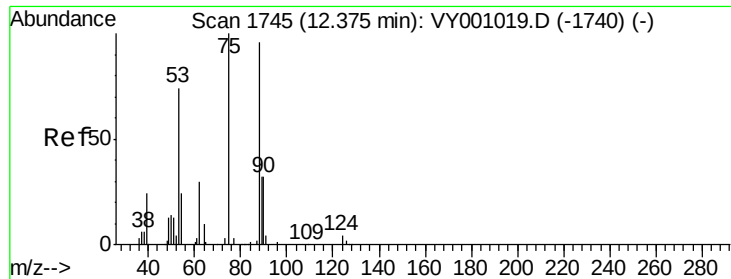
77 1.4 0.0 0.0#



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: 93.644 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. 0.10 min

Lab File: VY001033.D

Acq: 23 Dec 2019 17:01

Instrument :

MSVOA_Y

ClientSampleId :

SB-3-(3-4)RE

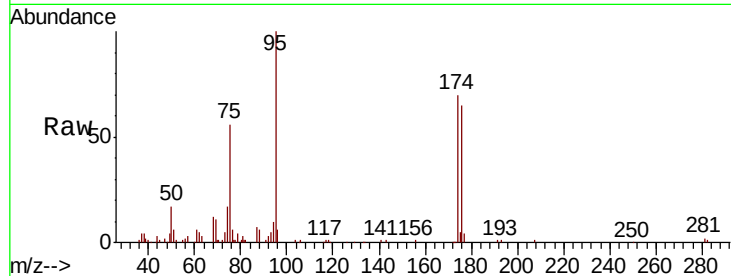
Tot Ion: 75 Resp: 19207

Ion Ratio Lower Upper

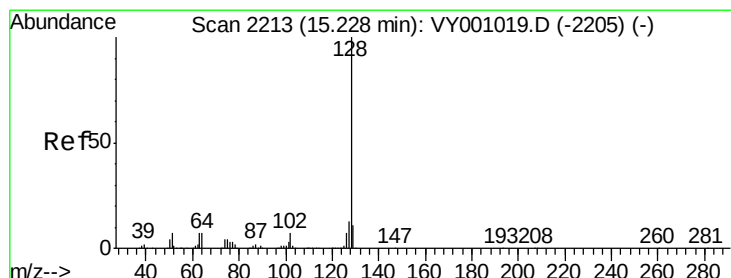
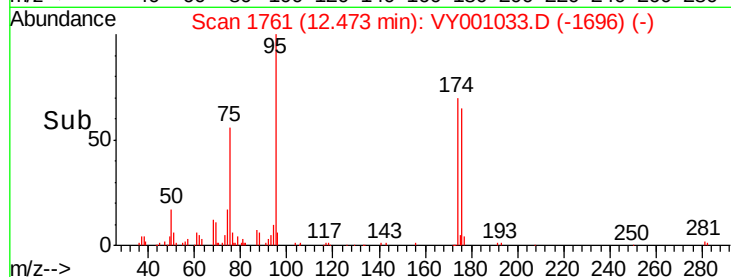
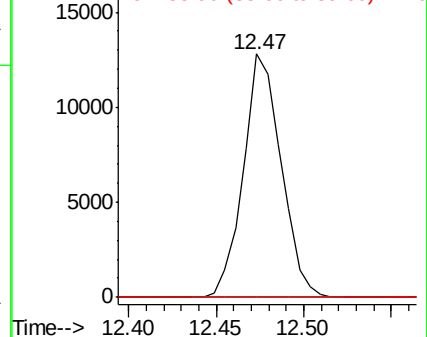
75 100

53 0.0 60.6 91.0#

89 0.0 35.4 53.0#



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



#95

Naphthalene

Concen: 1.031 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VY001033.D

Acq: 23 Dec 2019 17:01

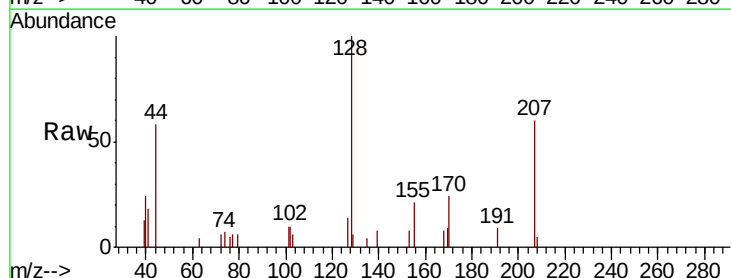
Tgt Ion: 128 Resp: 1791

Ion Ratio Lower Upper

128 100

127 13.7 9.9 14.9

129 7.3 8.6 13.0#



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

