

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001833.D
 Acq On : 03 Mar 2020 14:36
 Operator : SY/MD
 Sample : L1762-04
 Misc : 5.50G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-030220

Quant Time: Mar 04 03:40:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	155709	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	295615	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	264405	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	114615	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	97955	58.48	ug/l	-0.02
Spiked Amount			Recovery	=	116.96%	
35) Dibromofluoromethane	7.73	113	87180	51.49	ug/l	-0.02
Spiked Amount			Recovery	=	102.98%	
50) Toluene-d8	10.18	98	359550	54.20	ug/l	-0.01
Spiked Amount			Recovery	=	108.40%	
62) 4-Bromofluorobenzene	12.48	95	120086	46.60	ug/l	-0.01
Spiked Amount			Recovery	=	93.20%	

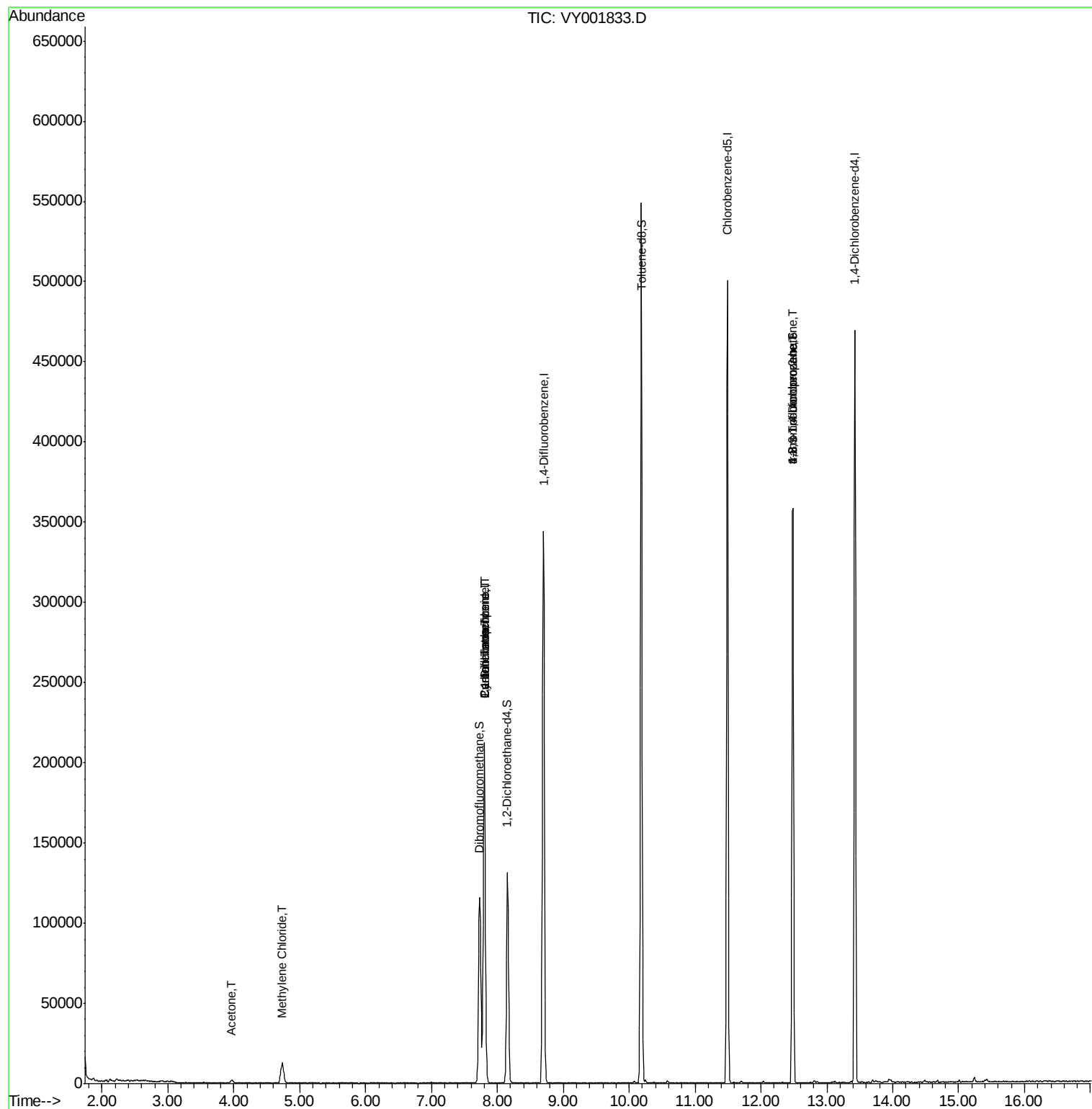
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	68	Below Cal	#	74
16) Acetone	3.96	43	3279	5.658	ug/l #	83
20) Methylene Chloride	4.72	84	10016	4.866	ug/l	97
31) Cyclohexane	7.80	56	3521	1.001	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	13239	4.689	ug/l #	50
38) Carbon Tetrachloride	7.80	117	16065	6.477	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.78	63	19	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.48	75	61410	46.707	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	61410	88.612	ug/l #	17

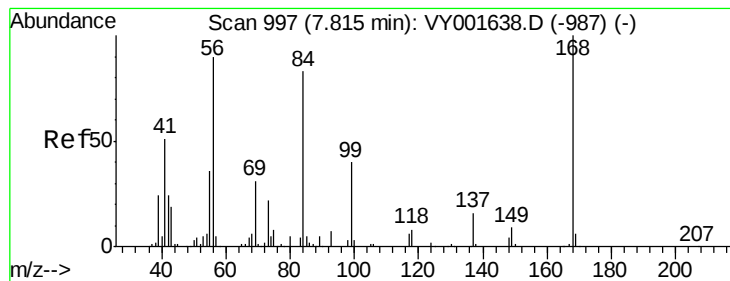
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001833.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_Y

ClientSampleId :

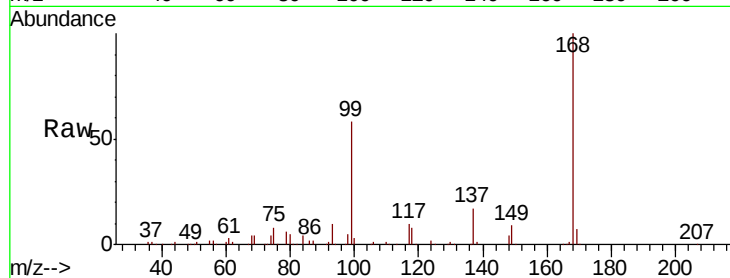
TR-05-030220

Tot Ion:168 Resp: 155709

Ion Ratio Lower Upper

168 100

99 57.9 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001833.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001833.D (-948) (-)

7.80

80000

60000

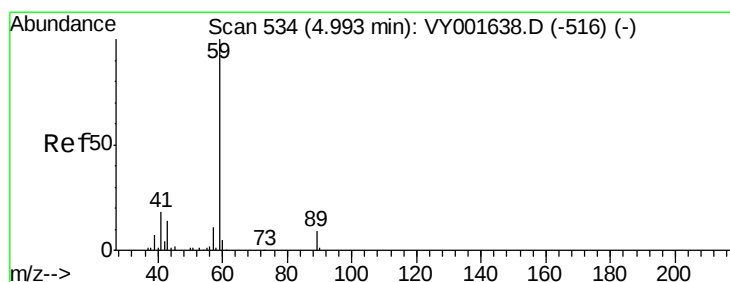
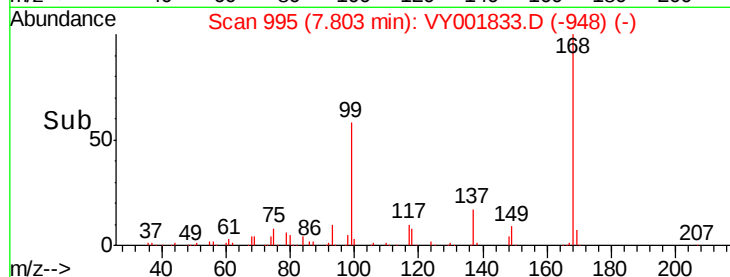
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.04 min

Lab File: VY001833.D

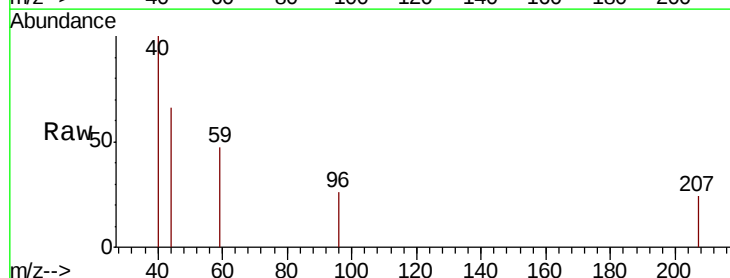
Acq: 03 Mar 2020 14:36

Tgt Ion: 59 Resp: 68

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001833.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001833.D (-485) (-)

4.96

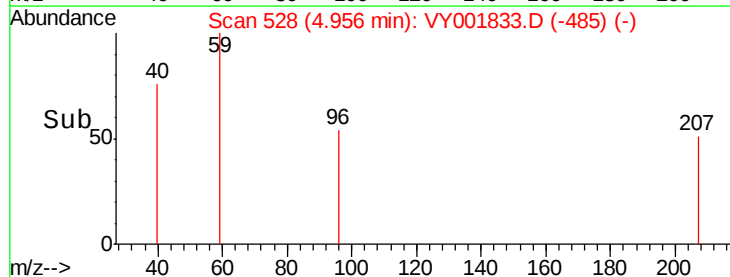
100

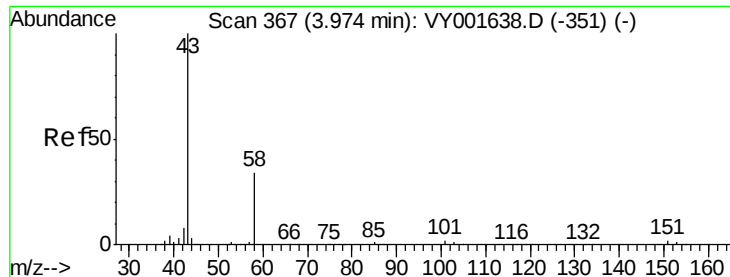
50

0

4.94 4.96 4.98

Time-->





#16

Acetone

Concen: 5.658 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY001833.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_Y

ClientSampleId :

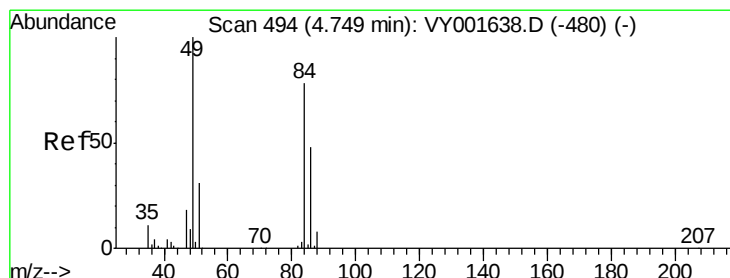
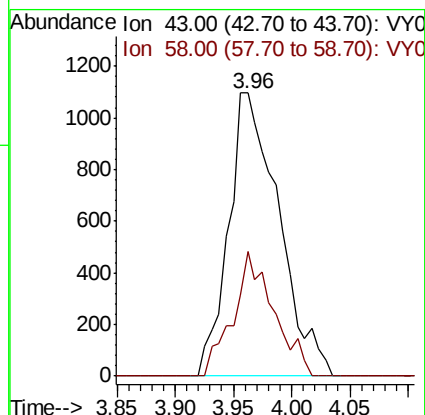
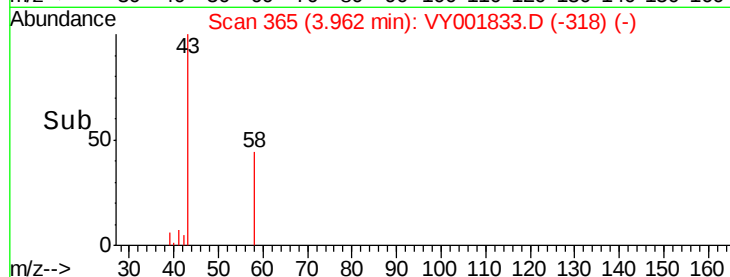
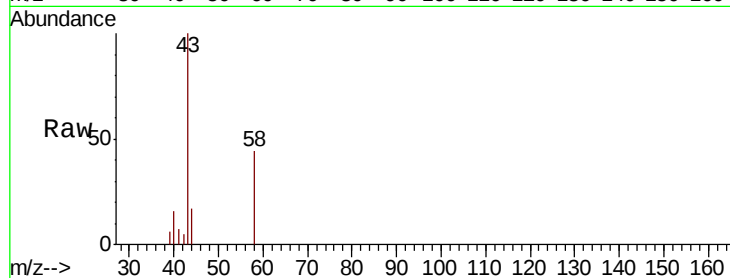
TR-05-030220

Tot Ion: 43 Resp: 3279

Ion Ratio Lower Upper

43 100

58 43.9 27.3 40.9#



#20

Methylene Chloride

Concen: 4.866 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.02 min

Lab File: VY001833.D

Acq: 03 Mar 2020 14:36

Tgt Ion: 84 Resp: 10016

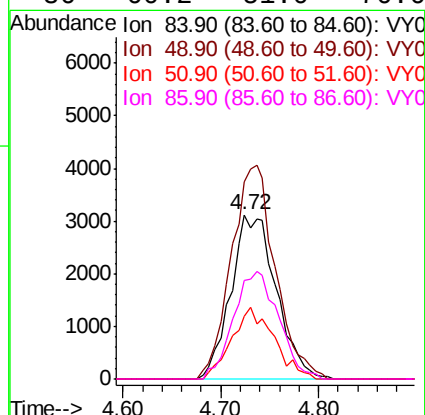
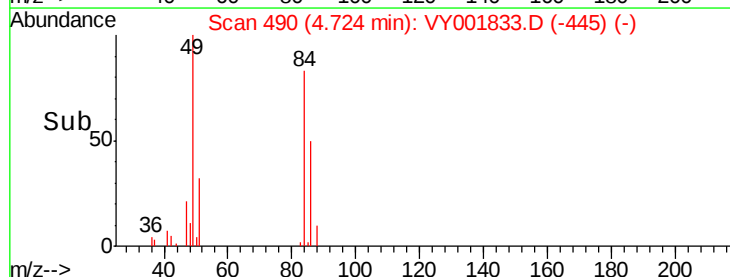
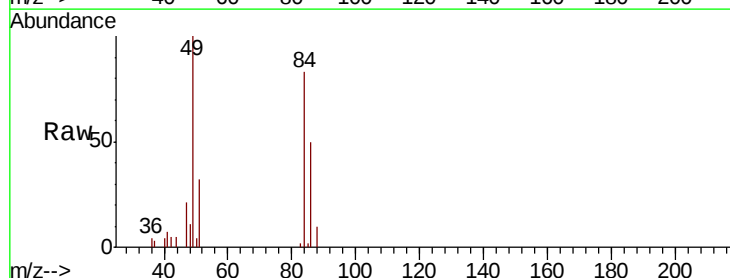
Ion Ratio Lower Upper

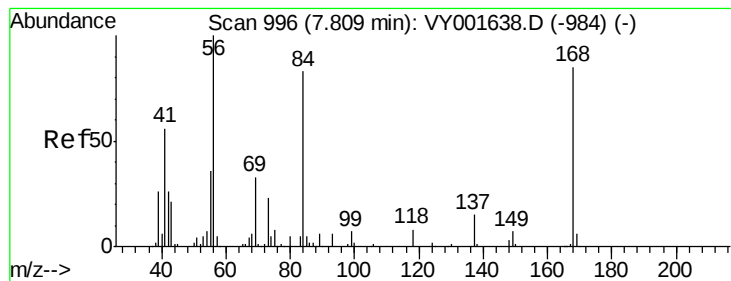
84 100

49 120.0 99.2 148.8

51 38.4 31.5 47.3

86 60.2 51.0 76.6





#31

Cyclohexane

Concen: 1.001 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001833.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-030220

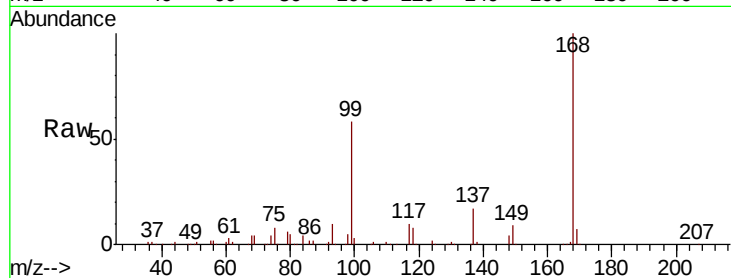
Tot Ion: 56 Resp: 3521

Ion Ratio Lower Upper

56 100

69 155.6 25.1 37.7#

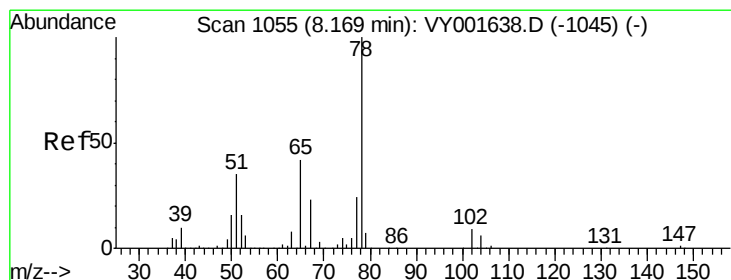
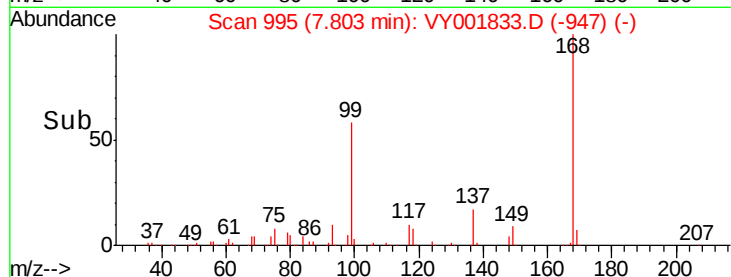
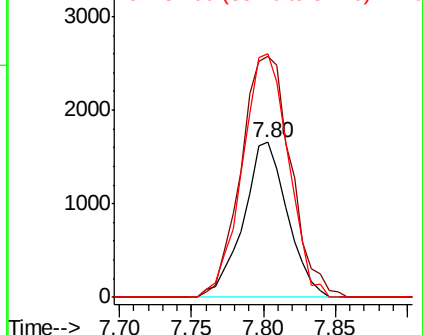
84 157.1 66.9 100.3#



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: 58.485 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.02 min

Lab File: VY001833.D

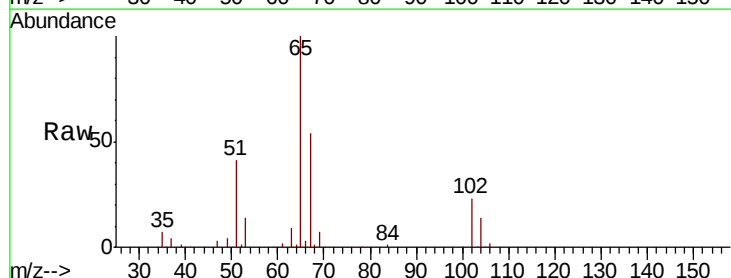
Acq: 03 Mar 2020 14:36

Tgt Ion: 65 Resp: 97955

Ion Ratio Lower Upper

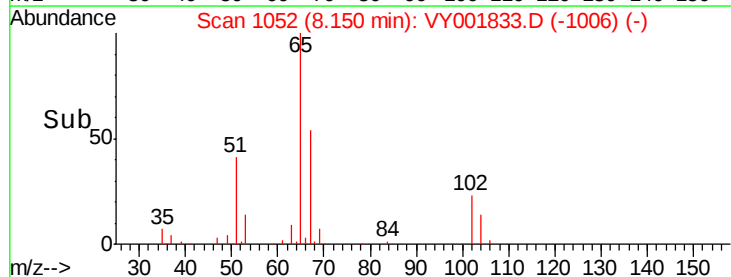
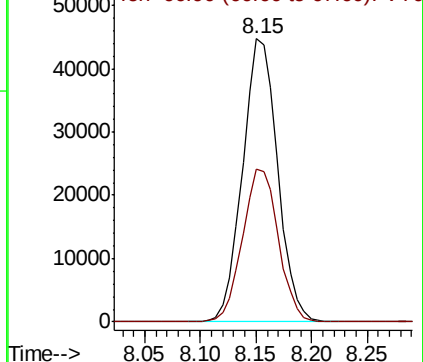
65 100

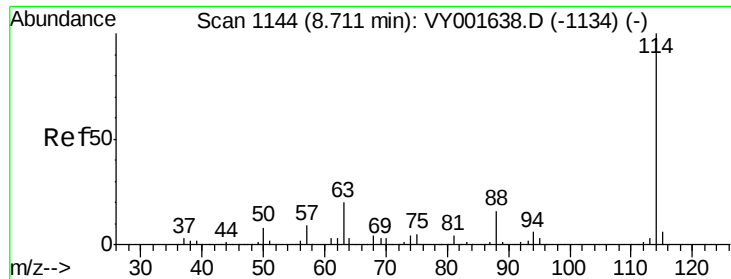
67 55.3 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

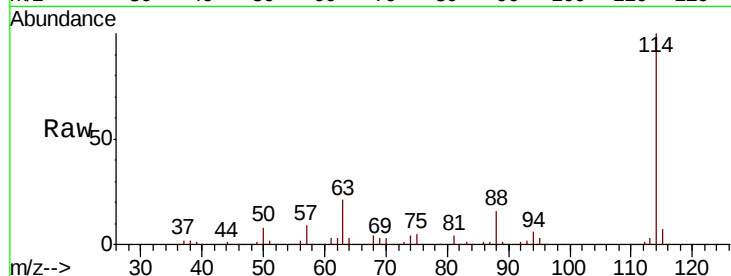




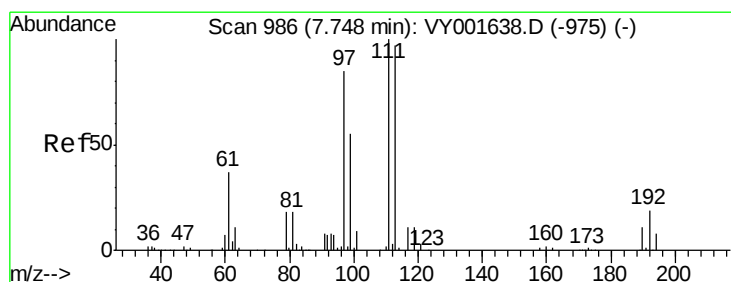
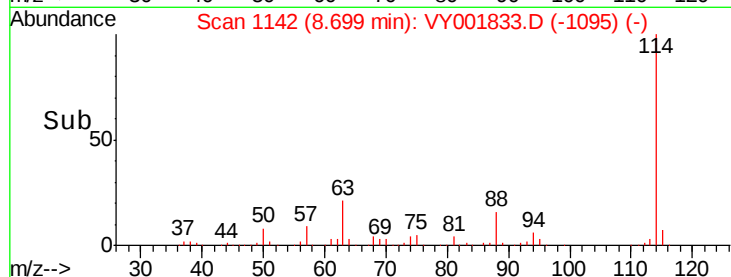
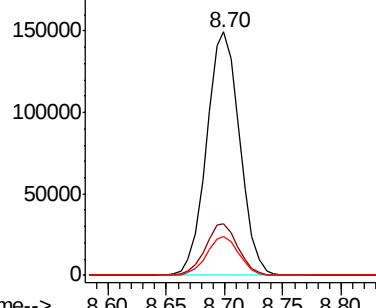
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VY001833.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-030220

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	41.4
88	16.0	0.0	32.8

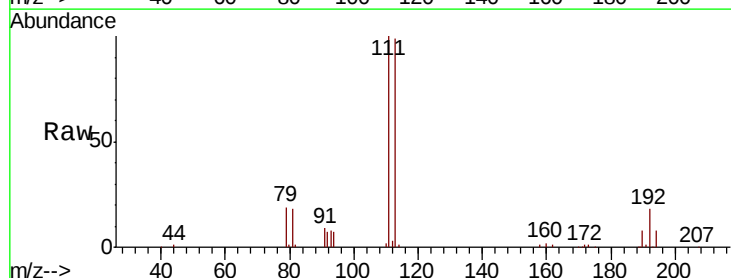


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

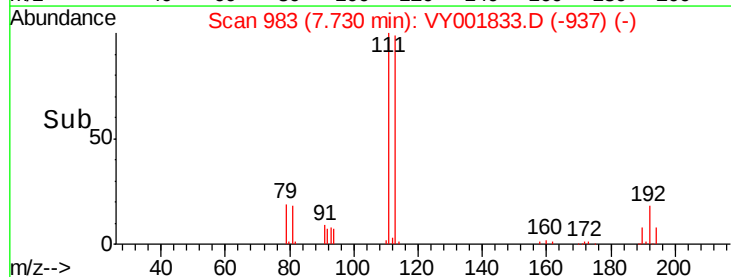
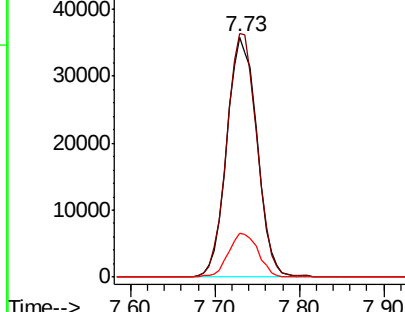


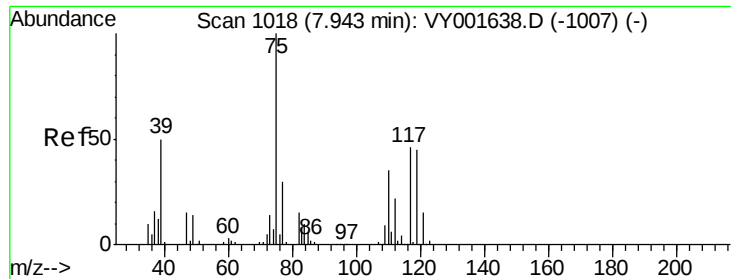
#35
Dibromofluoromethane
Concen: 51.490 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.02 min
Lab File: VY001833.D
Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.9	122.9
192	17.9	14.3	21.5



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

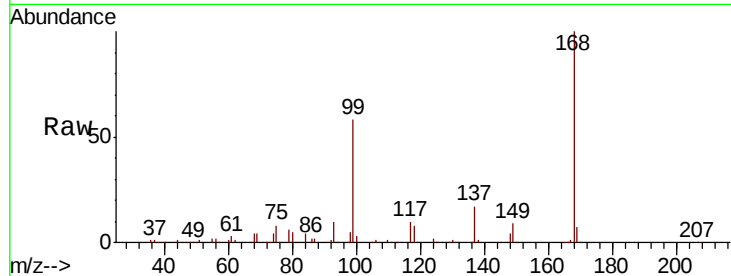




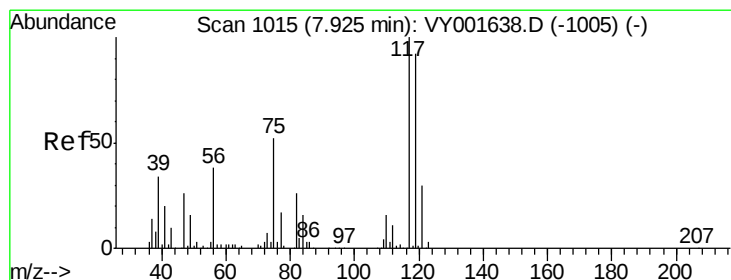
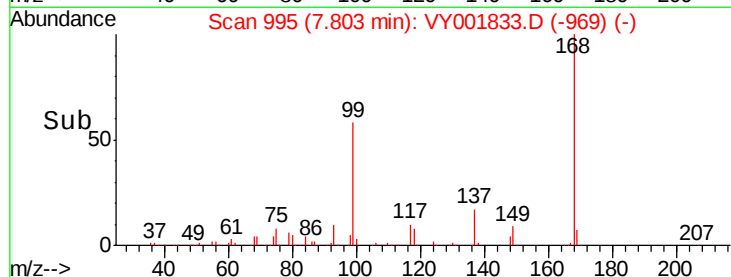
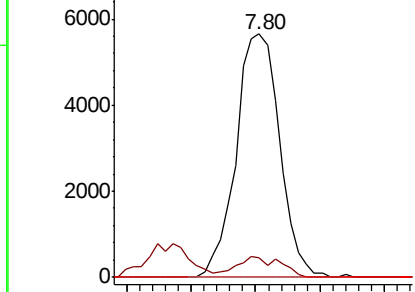
#36
 1,1-Dichloropropene
 Concen: 4.689 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY001833.D
 Acq: 03 Mar 2020 14:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-030220

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.2	51.6#
77	0.0	24.8	37.2#

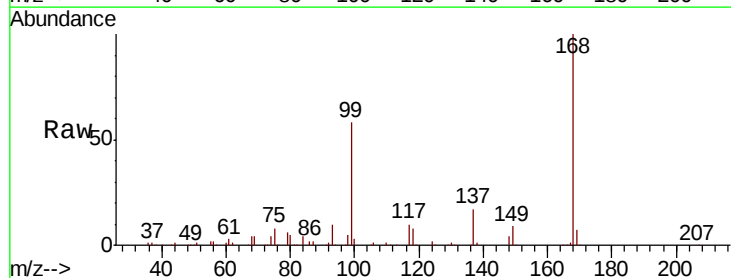


Abundance Ion 74.90 (74.60 to 75.60): VY001833.D (-969) (-)
 Ion 109.90 (109.60 to 110.60): VY001833.D (-969) (-)
 Ion 76.90 (76.60 to 77.60): VY001833.D (-969) (-)

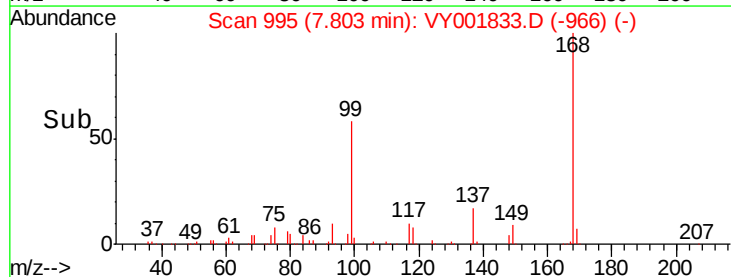
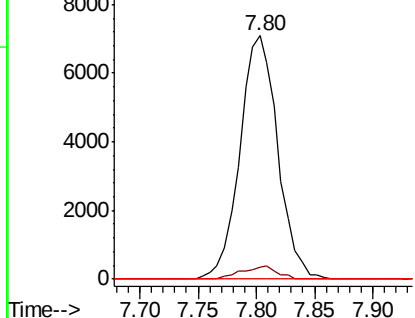


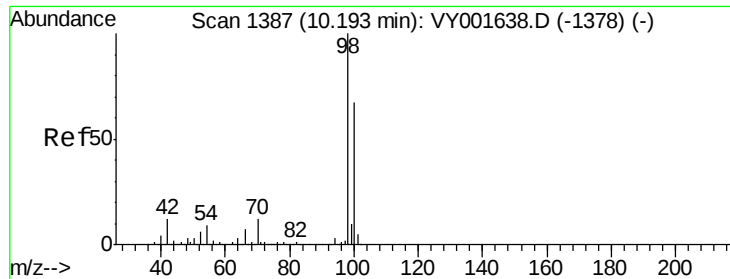
#38
 Carbon Tetrachloride
 Concen: 6.477 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001833.D
 Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	74.8	112.2#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): VY001833.D (-966) (-)
 Ion 118.80 (118.50 to 119.50): VY001833.D (-966) (-)
 Ion 120.80 (120.50 to 121.50): VY001833.D (-966) (-)





#50

Toluene-d8

Concen: 54.204 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY001833.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_Y

ClientSampleId :

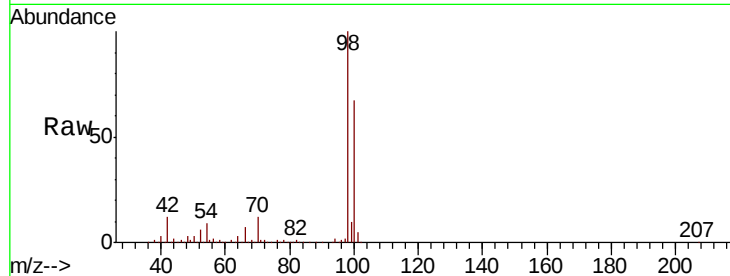
TR-05-030220

Tot Ion: 98 Resp: 359550

Ion Ratio Lower Upper

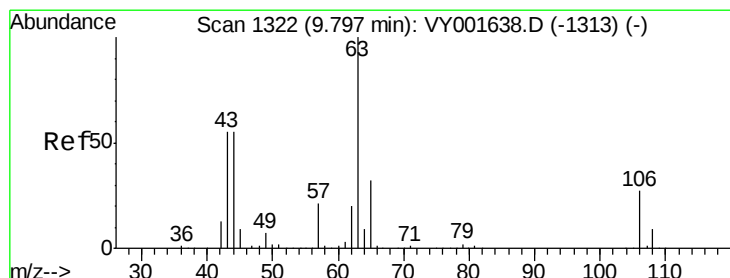
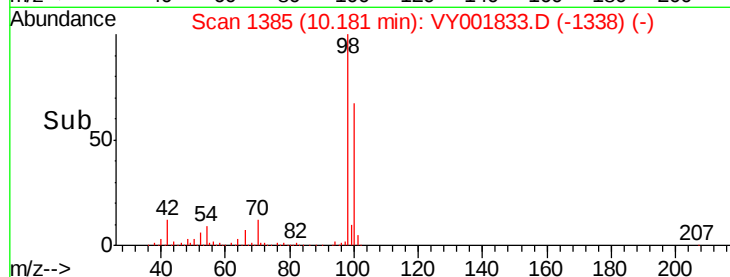
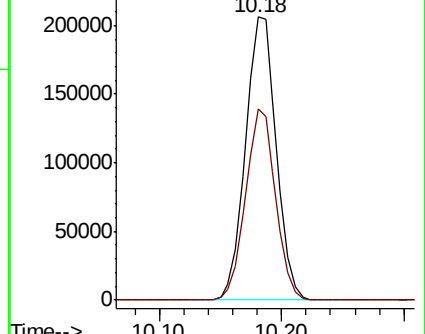
98 100

100 65.7 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 9.78 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VY001833.D

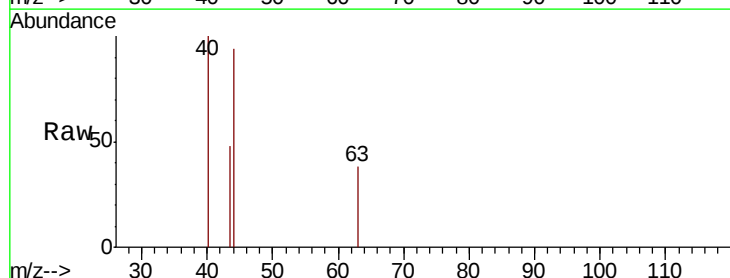
Acq: 03 Mar 2020 14:36

Tgt Ion: 63 Resp: 19

Ion Ratio Lower Upper

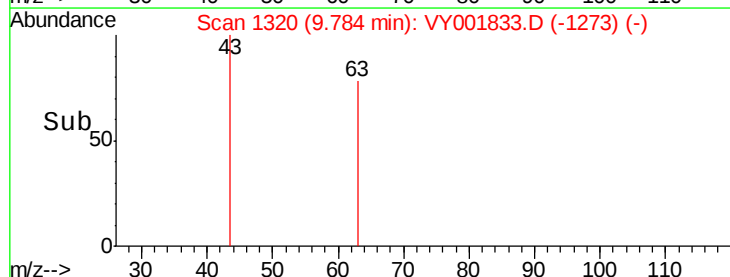
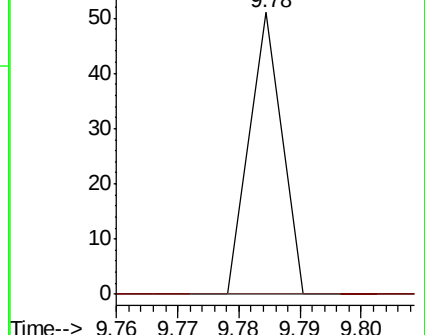
63 100

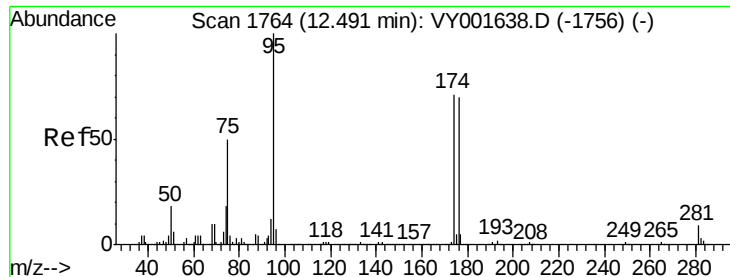
106 0.0 21.6 32.4#



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

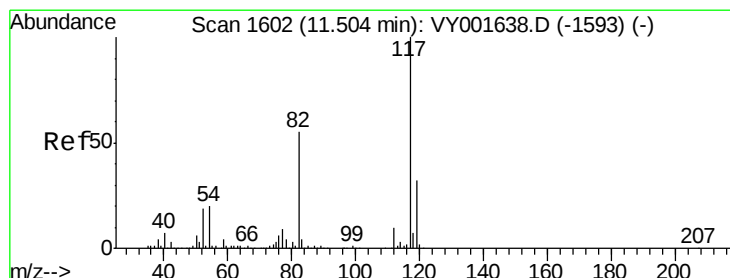
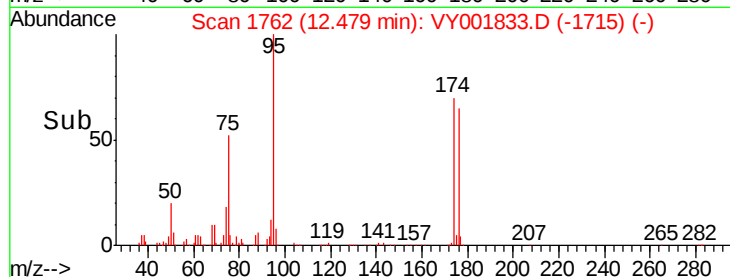
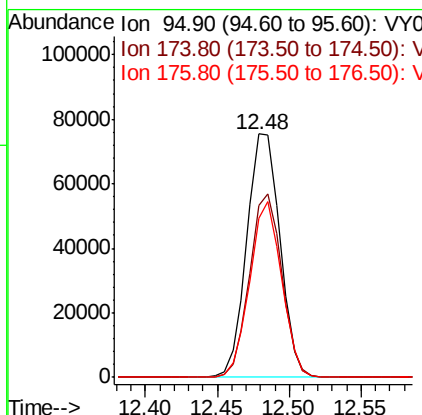
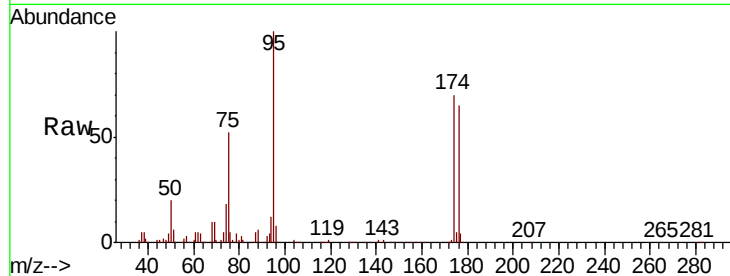




#62
4-Bromofluorobenzene
Concen: 46.600 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY001833.D
Acq: 03 Mar 2020 14:36

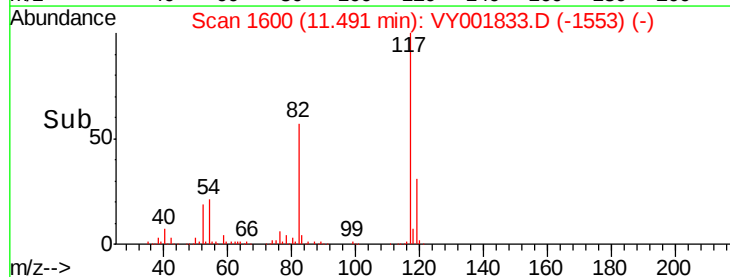
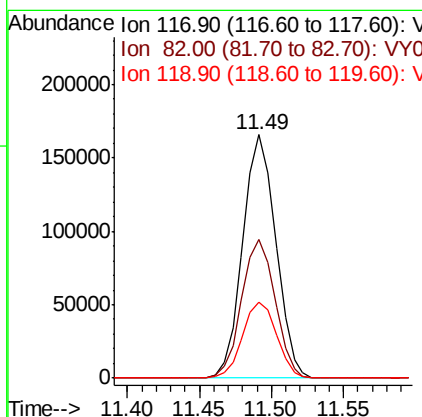
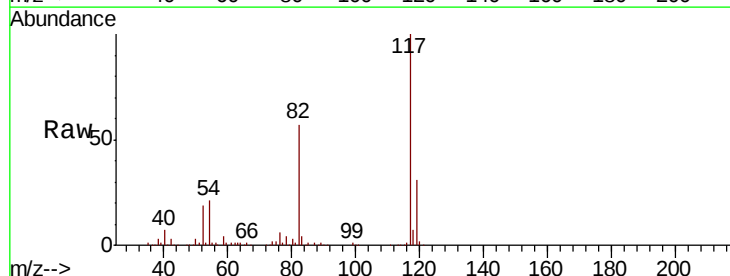
Instrument :
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TR-05-030220

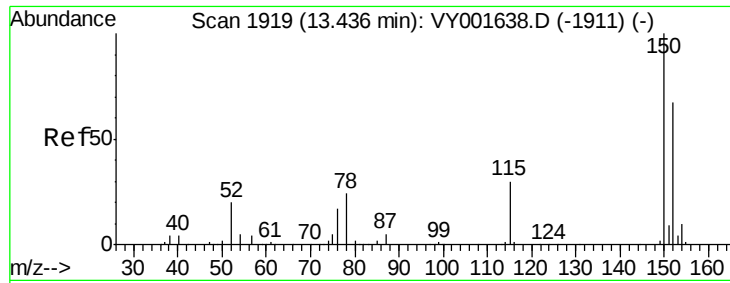
Tot Ion	95	Resp	120086
Ion Ratio	Lower	Upper	
95	100		
174	73.3	0.0	138.4
176	69.2	0.0	131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001833.D
Acq: 03 Mar 2020 14:36

Tgt Ion	117	Resp	264405
Ion Ratio	Lower	Upper	
117	100		
82	56.8	45.5	68.3
119	31.2	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001833.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-030220

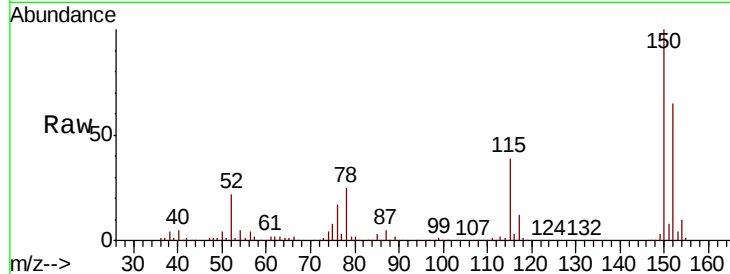
Tot Ion:152 Resp: 114615

Ion Ratio Lower Upper

152 100

115 61.0 31.4 94.2

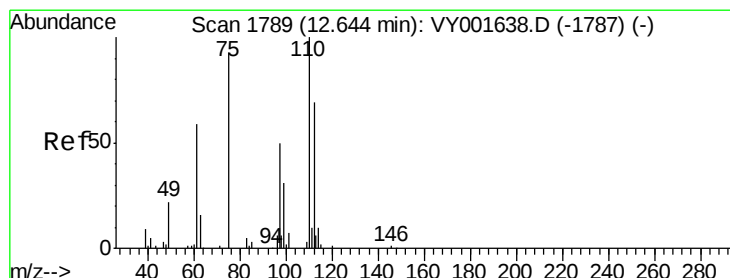
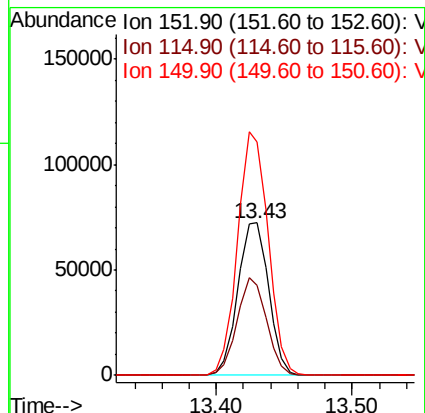
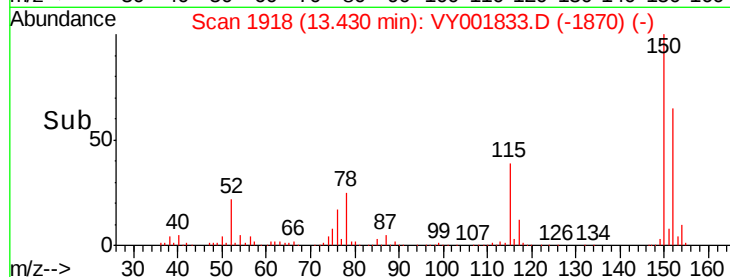
150 158.1 0.0 407.2



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: 46.707 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY001833.D

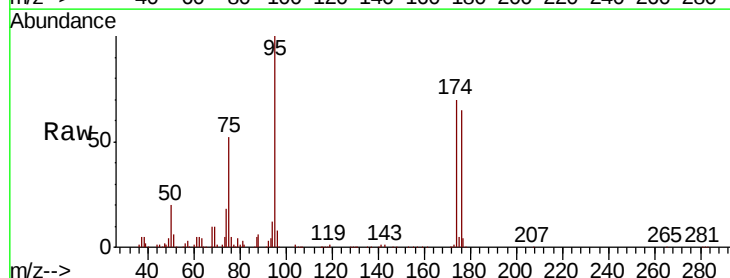
Acq: 03 Mar 2020 14:36

Tgt Ion: 75 Resp: 61410

Ion Ratio Lower Upper

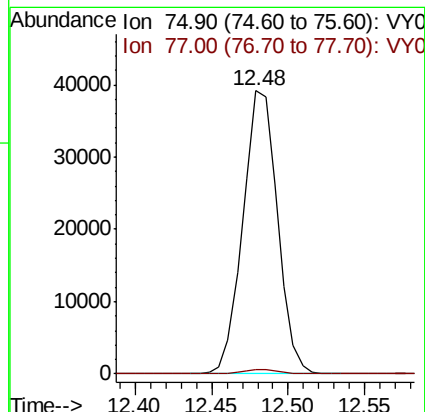
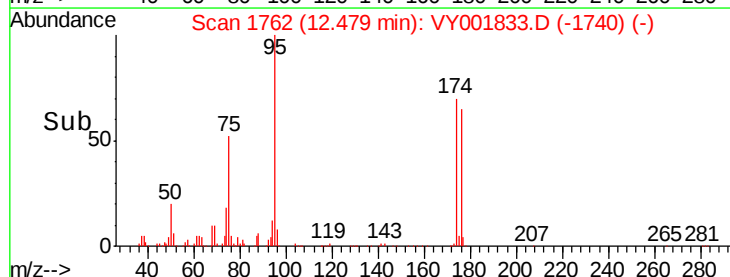
75 100

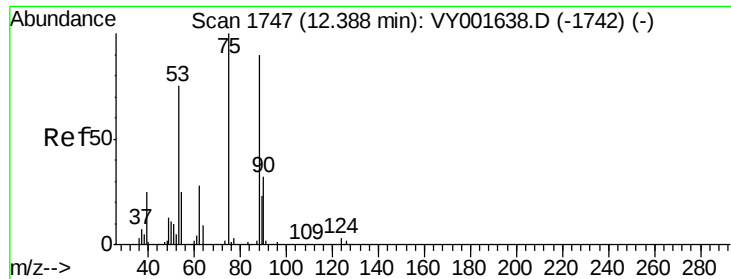
77 1.6 0.0 0.0#



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: 88.612 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY001833.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-030220

Tot Ion: 75 Resp: 61410

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 36.3 54.5#

