

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002305.D
 Acq On : 14 Apr 2020 13:57
 Operator : SY/MD
 Sample : L2230-35
 Misc : 6.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 15 05:34:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	143182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	285829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	250075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	90302	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	79382	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
35) Dibromofluoromethane	7.73	113	84288	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
50) Toluene-d8	10.18	98	344150	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.49	95	101589	43.26	ug/l	0.00
Spiked Amount			Recovery	=	86.52%	

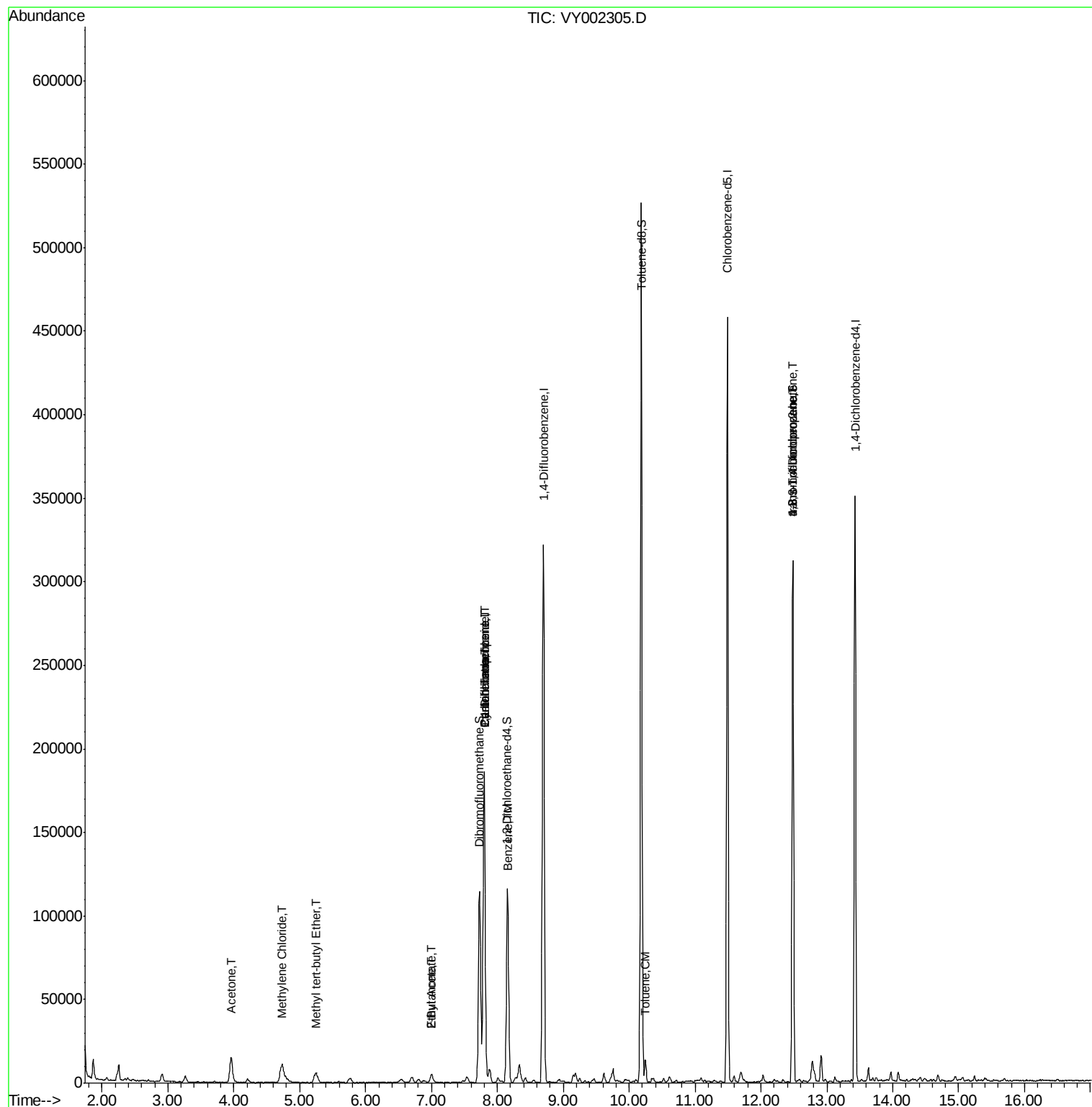
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	94	Below Cal	#	77
16) Acetone	3.97	43	23225	55.379	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	5825	1.282	ug/l #	5
20) Methylene Chloride	4.73	84	6708	3.254	ug/l #	85
25) 2-Butanone	7.00	43	7112	10.716	ug/l #	86
31) Cyclohexane	7.80	56	4315	1.286	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	11801	4.192	ug/l #	49
37) Ethyl Acetate	7.00	43	7112	4.422	ug/l #	73
38) Carbon Tetrachloride	7.80	117	14218	5.904	ug/l #	15
40) Benzene	8.17	78	15573	1.823	ug/l	93
52) Toluene	10.25	92	5826	1.132	ug/l	99
76) 1,2,3-Trichloropropane	12.48	75	50310	47.978	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	50310	93.317	ug/l #	19

(#) = 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: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY002305.D

Acq: 14 Apr 2020 13:57

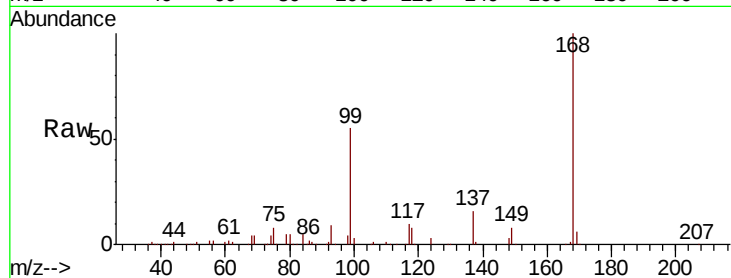
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 143182

Ion Ratio Lower Upper

168 100

99 54.8 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.80

60000

40000

20000

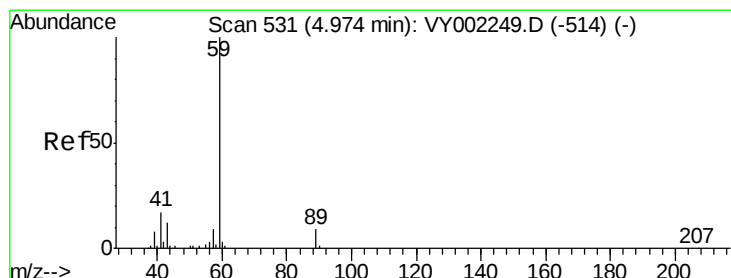
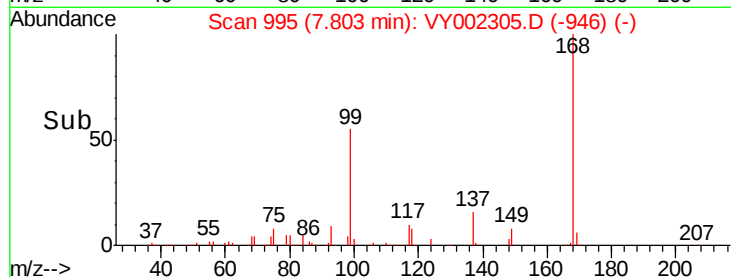
0

Time-->

7.70

7.80

7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002305.D

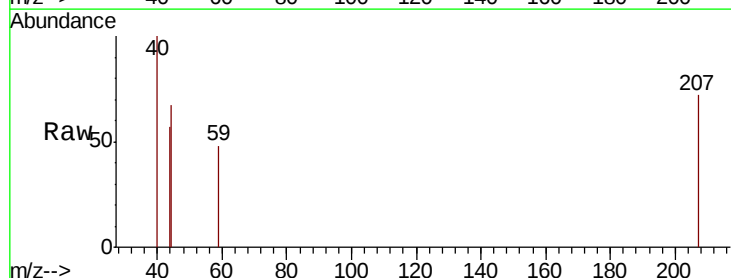
Acq: 14 Apr 2020 13:57

Tgt Ion: 59 Resp: 94

Ion Ratio Lower Upper

59 100

57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)

4.96

80

60

40

20

0

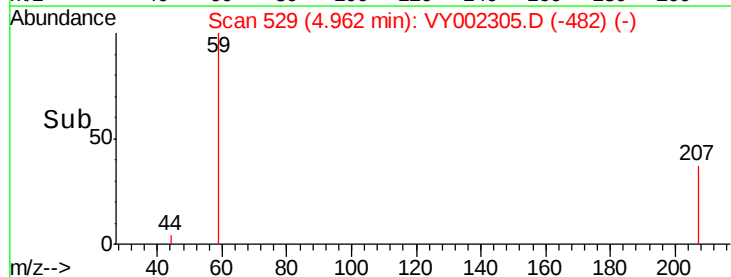
Time-->

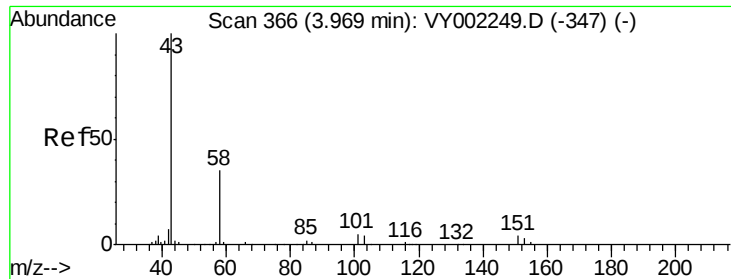
4.92

4.94

4.96

4.98





#16

Acetone

Concen: 55.379 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.00 min

Lab File: VY002305.D

Acq: 14 Apr 2020 13:57

Instrument :

MSVOA_Y

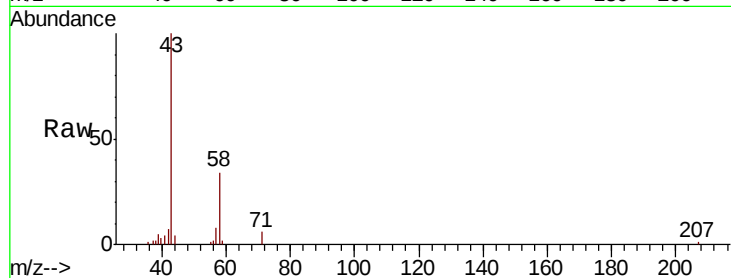
ClientSampled :

Tot Ion: 43 Resp: 23225

Ion Ratio Lower Upper

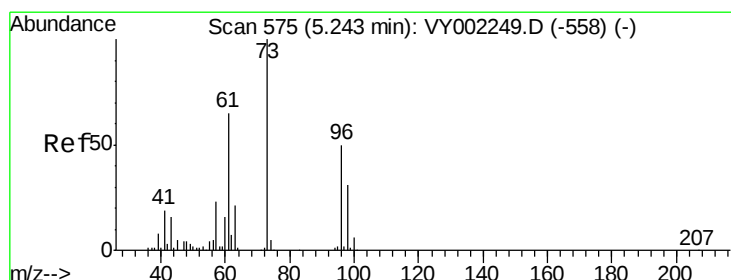
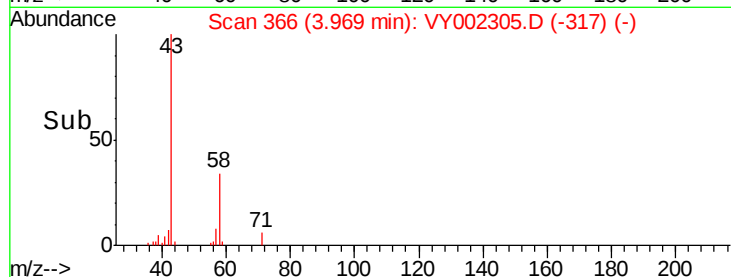
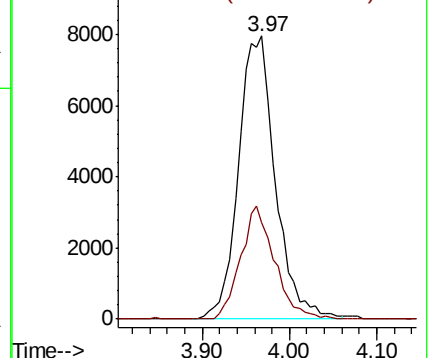
43 100

58 34.2 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#19

Methyl tert-butyl Ether

Concen: 1.282 ug/l

RT: 5.24 min Scan# 575

Delta R.T. 0.00 min

Lab File: VY002305.D

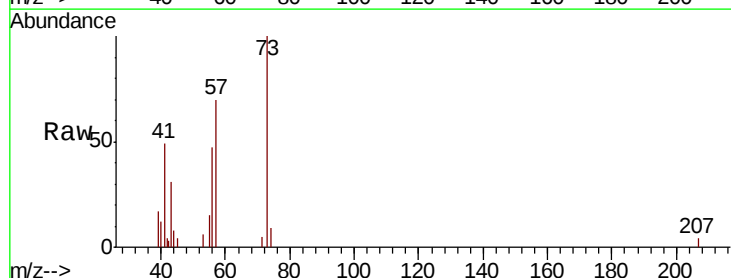
Acq: 14 Apr 2020 13:57

Tgt Ion: 73 Resp: 5825

Ion Ratio Lower Upper

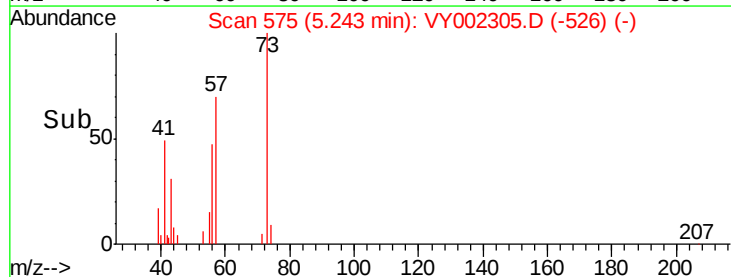
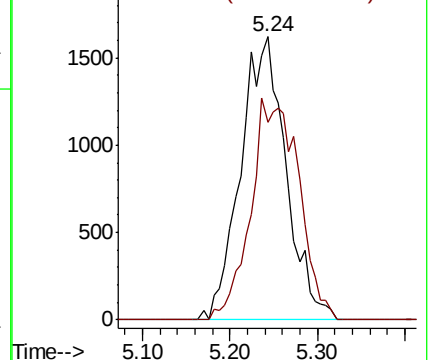
73 100

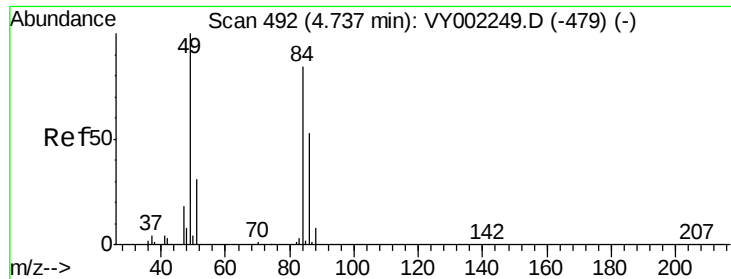
57 69.7 18.7 28.1#



Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

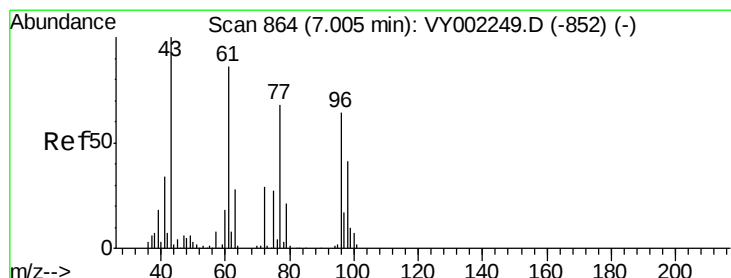
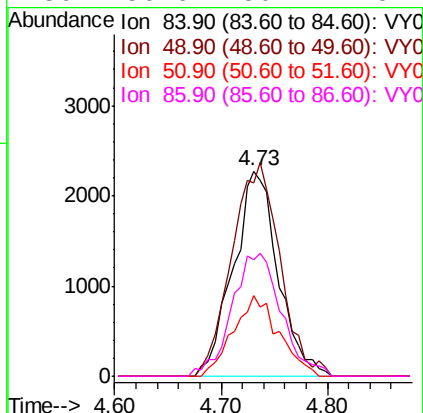
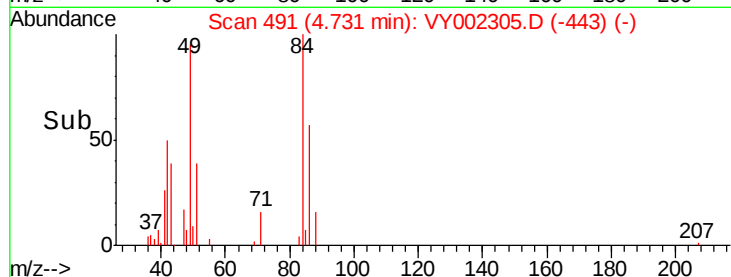
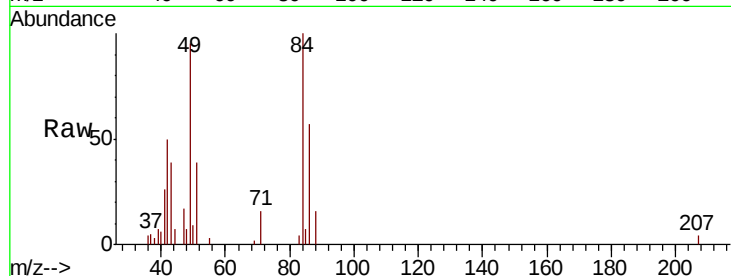




#20
Methylene Chloride
Concen: 3.254 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002305.D
Acq: 14 Apr 2020 13:57

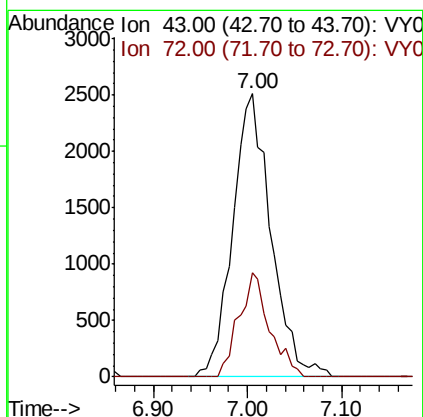
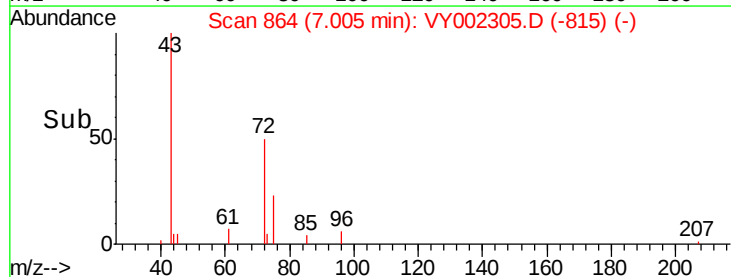
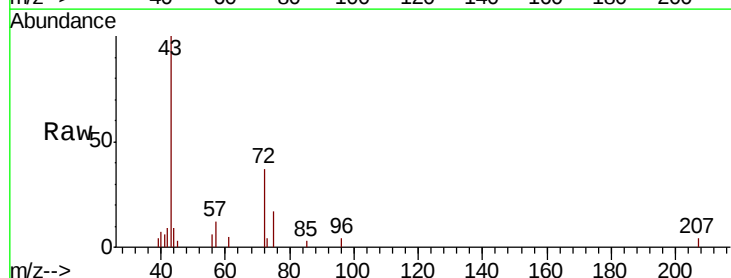
Instrument :
MSVOA_Y
ClientSampleId :

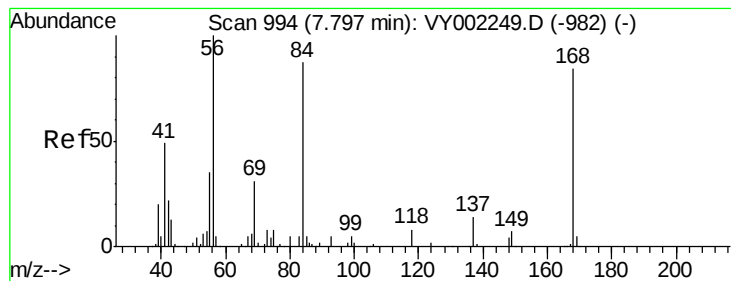
Tot Ion: 84 Resp: 6708
Ion Ratio Lower Upper
84 100
49 94.6 95.5 143.3#
51 39.3 29.5 44.3
86 56.6 50.7 76.1



#25
2-Butanone
Concen: 10.716 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.00 min
Lab File: VY002305.D
Acq: 14 Apr 2020 13:57

Tgt Ion: 43 Resp: 7112
Ion Ratio Lower Upper
43 100
72 36.6 23.2 34.8#





#31

Cyclohexane

Concen: 1.286 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002305.D

Acq: 14 Apr 2020 13:57

Instrument :
MSVOA_Y
ClientSampled :

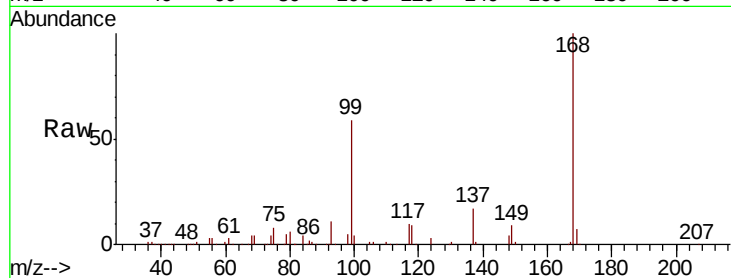
Tot Ion: 56 Resp: 4315

Ion Ratio Lower Upper

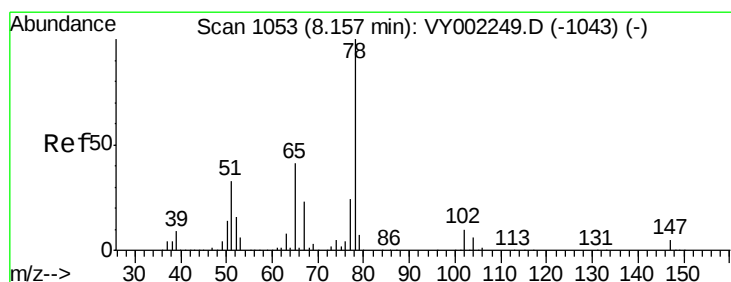
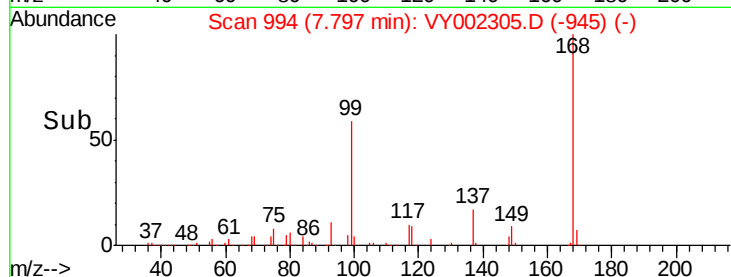
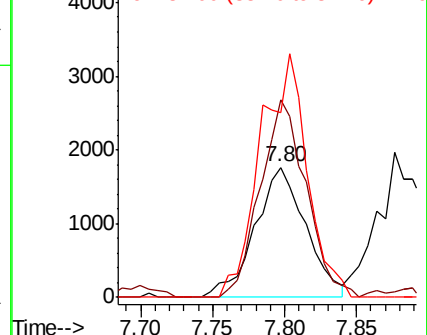
56 100

69 151.2 25.0 37.6#

84 141.8 69.7 104.5#



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: 49.854 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002305.D

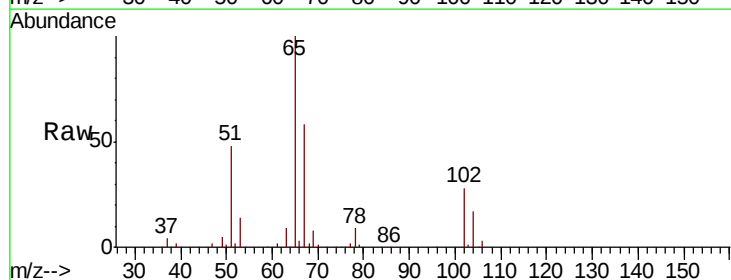
Acq: 14 Apr 2020 13:57

Tgt Ion: 65 Resp: 79382

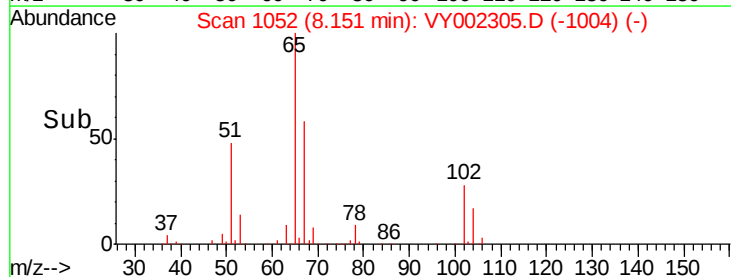
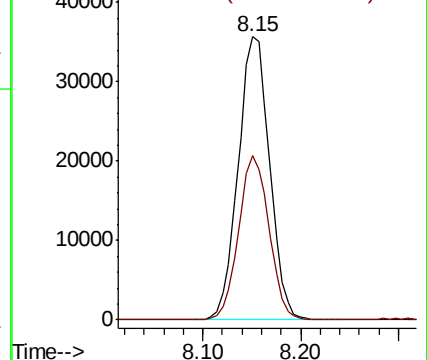
Ion Ratio Lower Upper

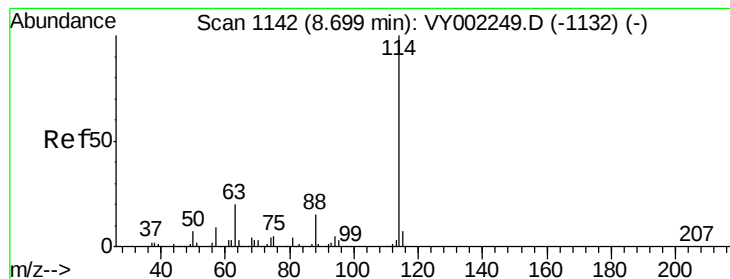
65 100

67 56.3 0.0 114.0



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. 0.00 min

Lab File: VY002305.D

Acq: 14 Apr 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

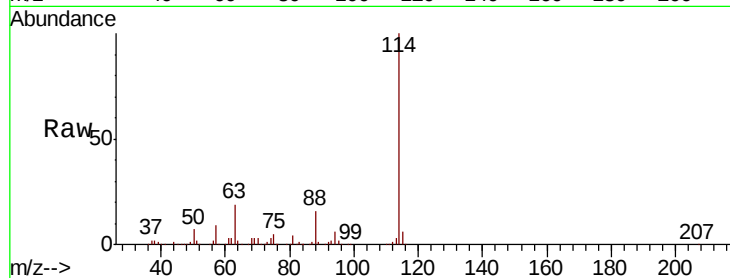
Tot Ion:114 Resp: 285829

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.0

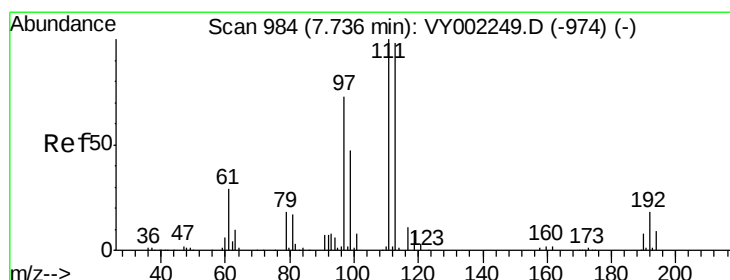
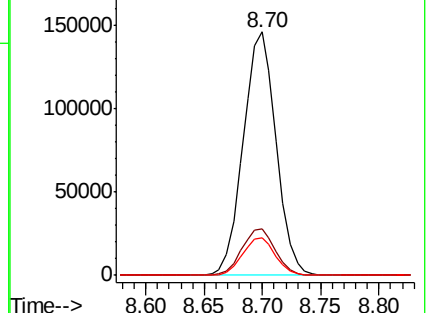
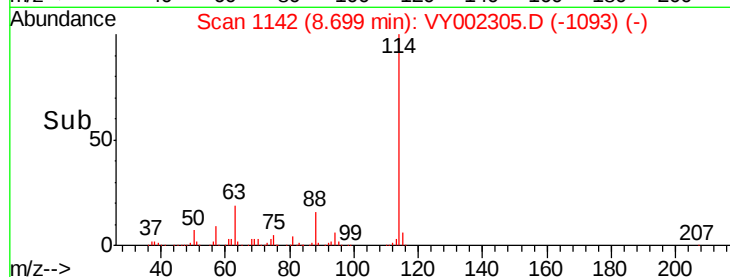
88 15.6 0.0 31.0



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: 49.559 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002305.D

Acq: 14 Apr 2020 13:57

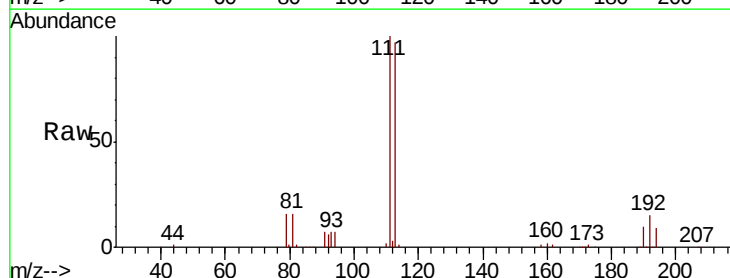
Tgt Ion:113 Resp: 84288

Ion Ratio Lower Upper

113 100

111 103.2 83.5 125.3

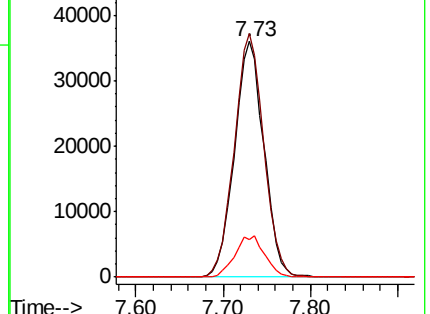
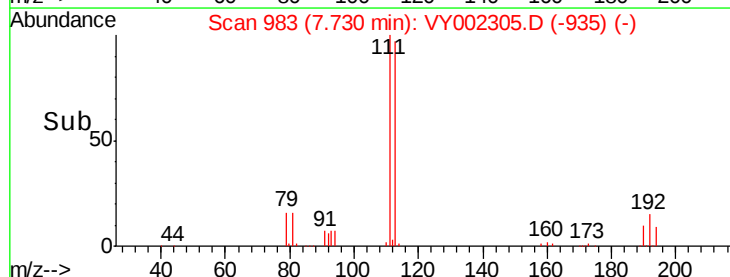
192 17.6 14.7 22.1

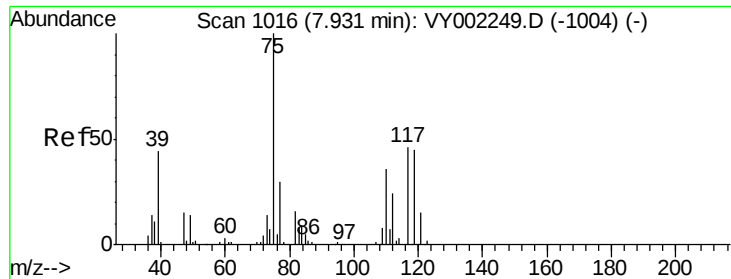


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

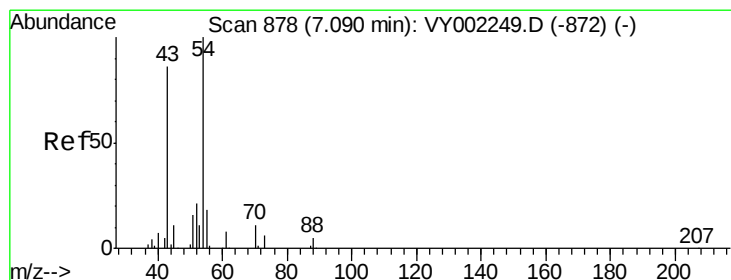
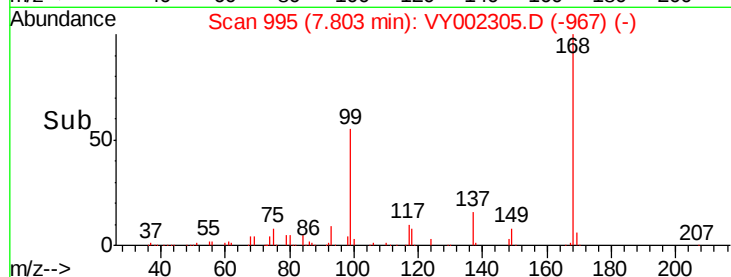
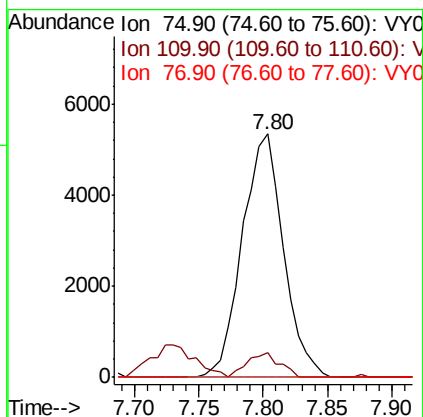
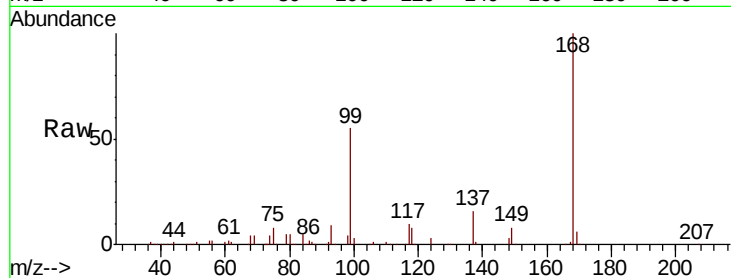




#36
 1,1-Dichloropropene
 Concen: 4.192 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002305.D
 Acq: 14 Apr 2020 13:57

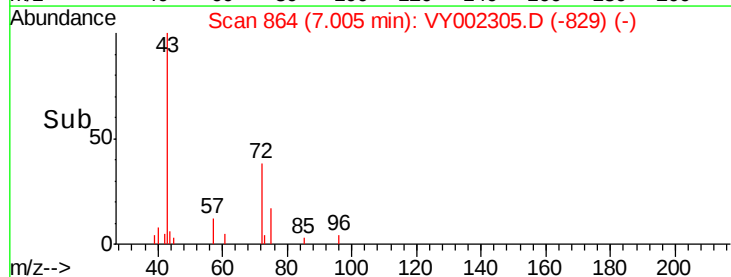
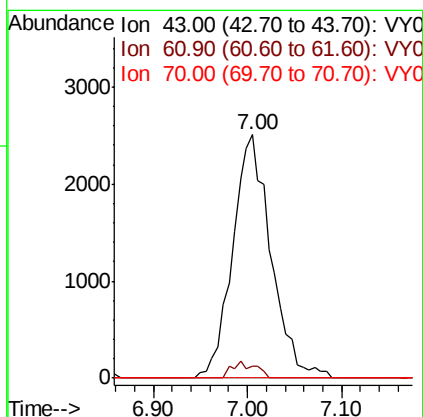
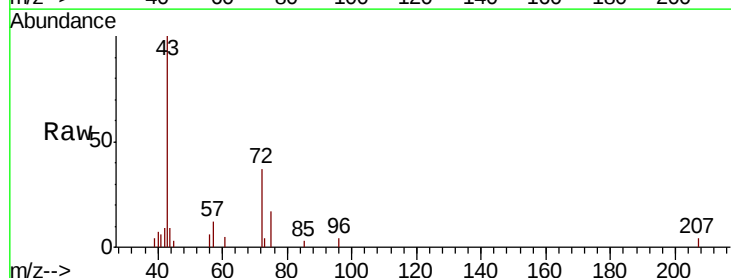
Instrument :
 MSVOA_Y
 ClientSampleId :

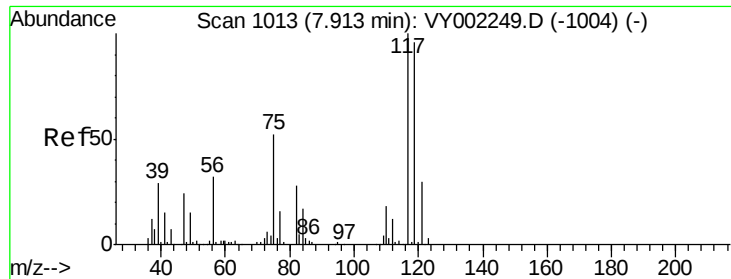
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.8	53.3#
77	0.0	24.4	36.6#



#37
 Ethyl Acetate
 Concen: 4.422 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. -0.09 min
 Lab File: VY002305.D
 Acq: 14 Apr 2020 13:57

Tgt Ion	Ratio	Lower	Upper
43	100		
61	4.2	11.8	17.6#
70	0.0	9.1	13.7#





#38

Carbon Tetrachloride

Concen: 5.904 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY002305.D

Acq: 14 Apr 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

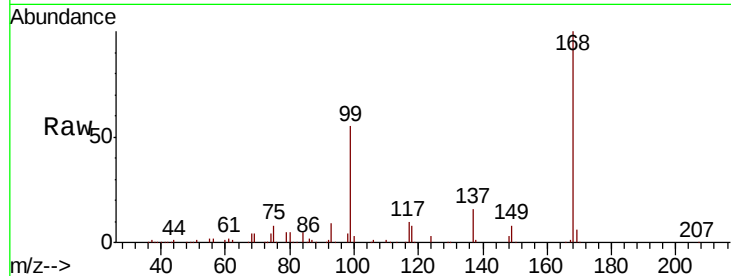
Tot Ion:117 Resp: 14218

Ion Ratio Lower Upper

117 100

119 3.9 77.1 115.7#

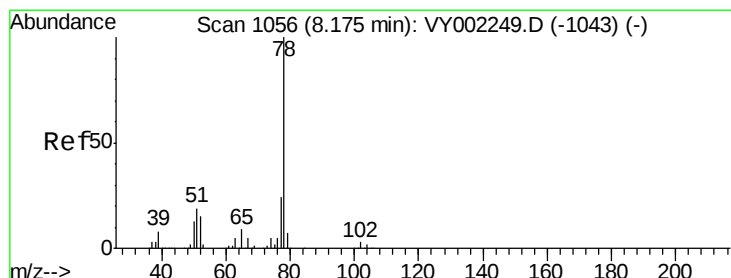
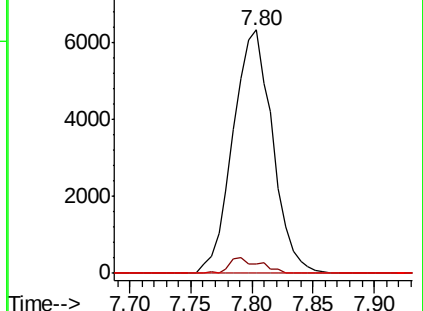
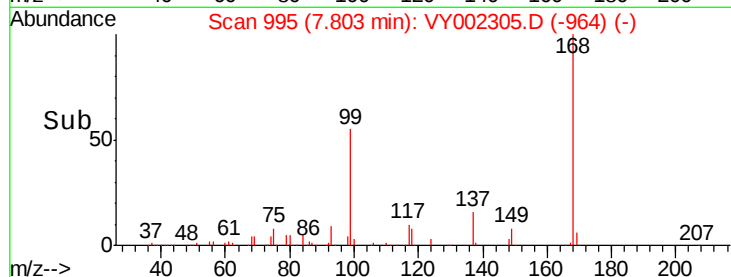
121 0.0 23.9 35.9#



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



#40

Benzene

Concen: 1.823 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VY002305.D

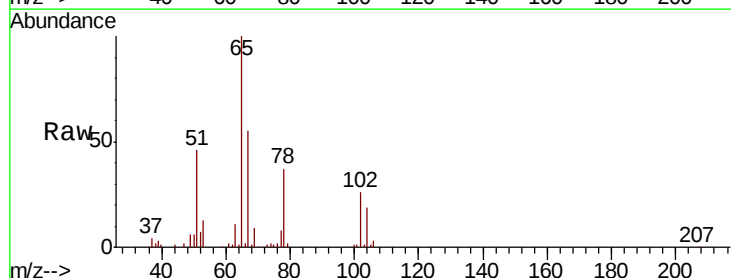
Acq: 14 Apr 2020 13:57

Tgt Ion: 78 Resp: 15573

Ion Ratio Lower Upper

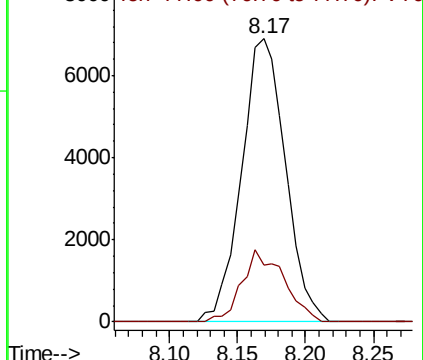
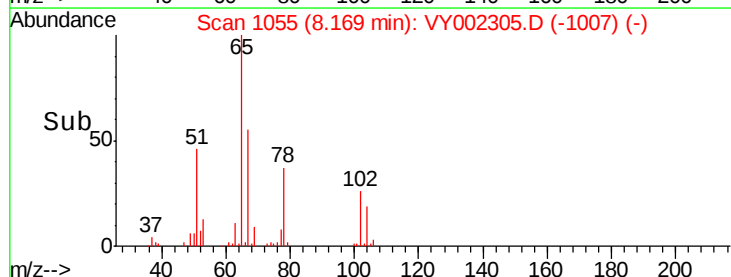
78 100

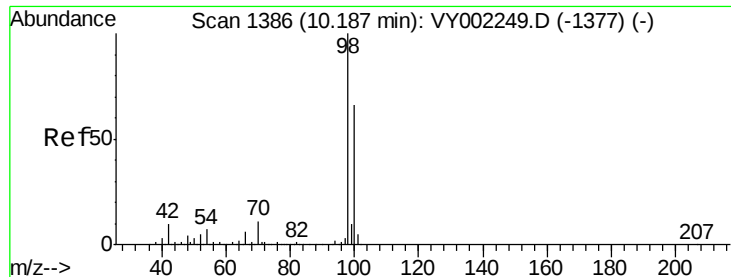
77 20.3 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





#50

Toluene-d8

Concen: 48.344 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002305.D

Acq: 14 Apr 2020 13:57

Instrument :

MSVOA_Y

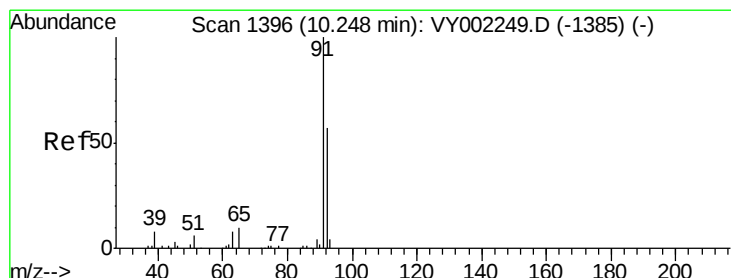
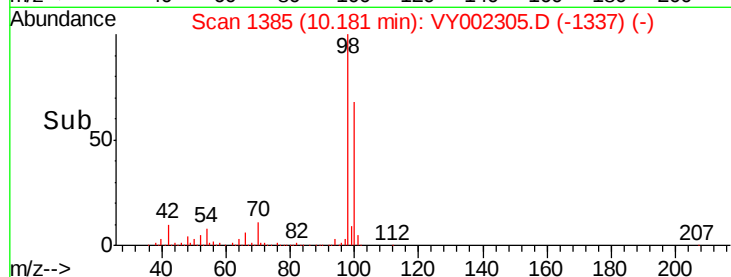
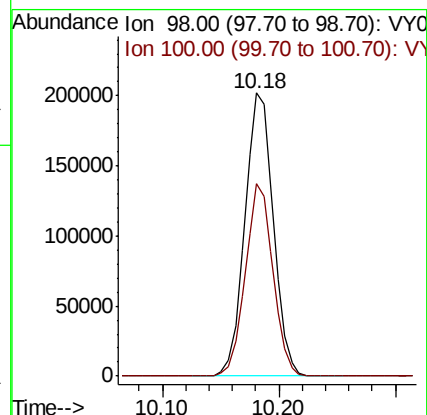
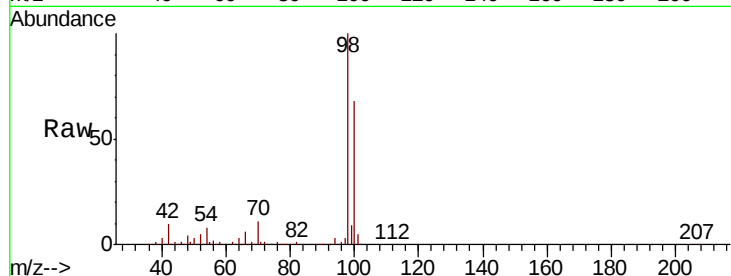
ClientSampleId :

Tot Ion: 98 Resp: 344150

Ion Ratio Lower Upper

98 100

100 65.8 52.6 78.8



#52

Toluene

Concen: 1.132 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY002305.D

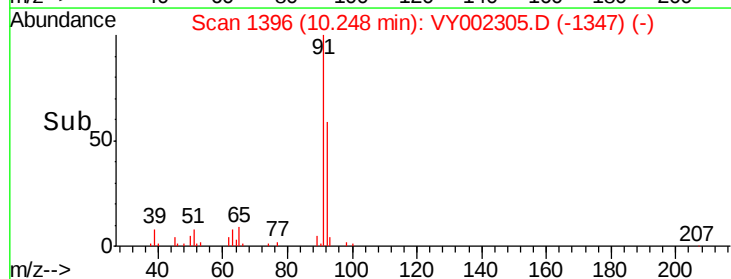
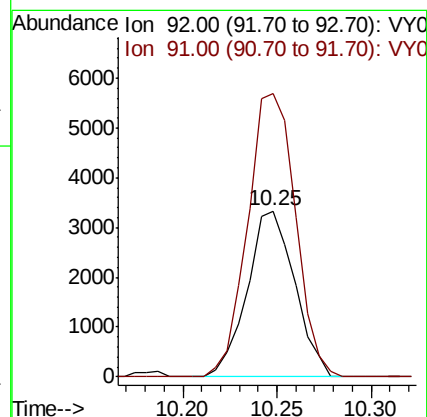
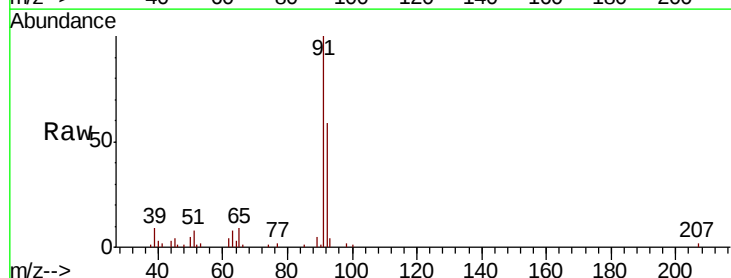
Acq: 14 Apr 2020 13:57

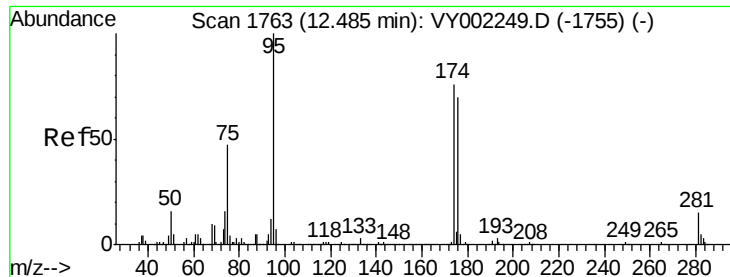
Tgt Ion: 92 Resp: 5826

Ion Ratio Lower Upper

92 100

91 171.9 139.0 208.6

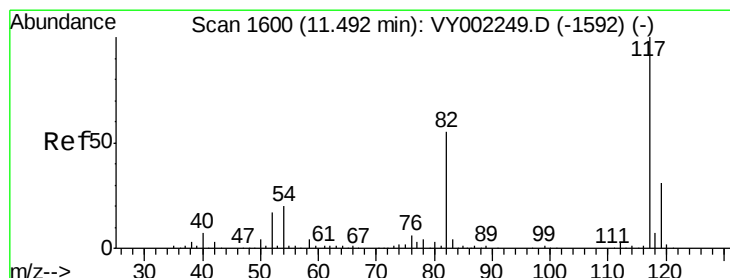
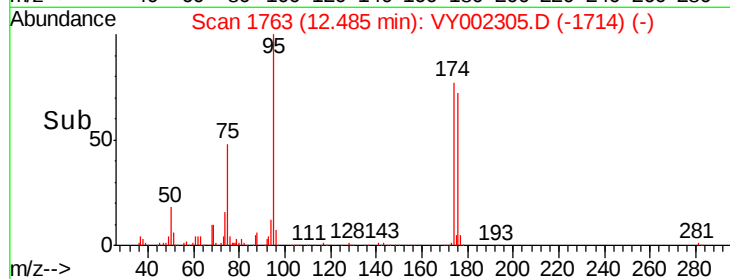
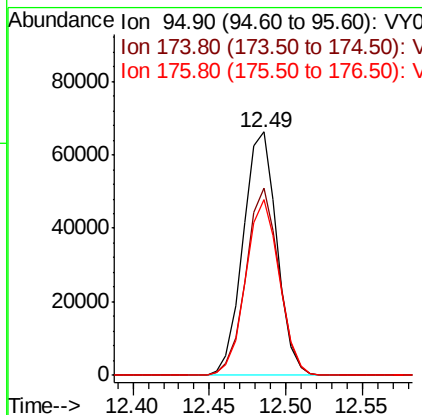
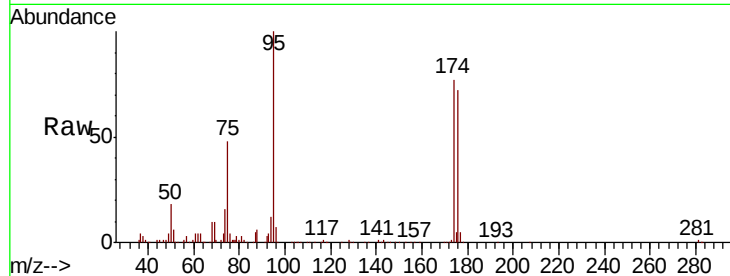




#62
4-Bromofluorobenzene
Concen: 43.256 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY002305.D
Acq: 14 Apr 2020 13:57

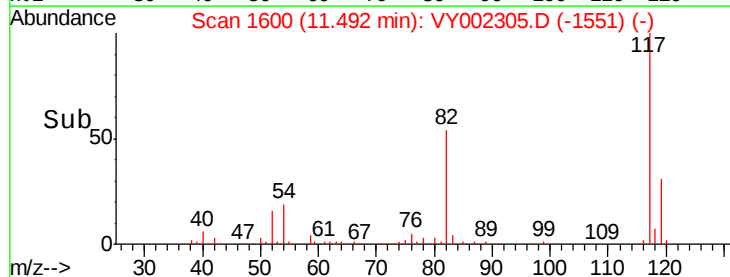
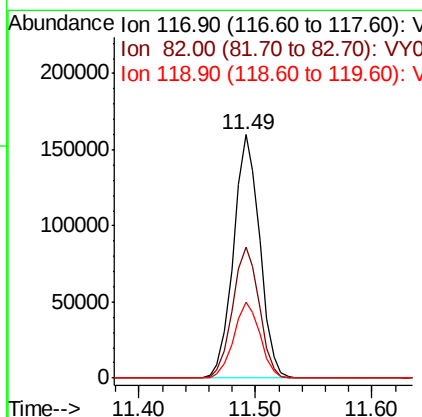
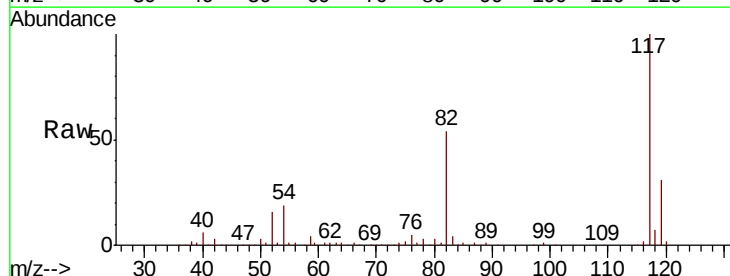
Instrument :
MSVOA_Y
ClientSampleId :

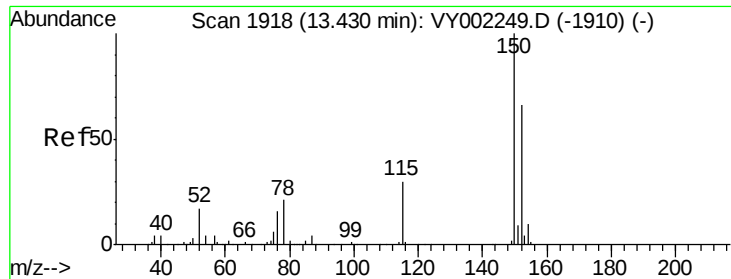
Tot Ion	95	Resp	101589
Ion Ratio	Lower	Upper	
95	100		
174	75.2	0.0	150.6
176	72.3	0.0	141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002305.D
Acq: 14 Apr 2020 13:57

Tgt Ion	117	Resp	250075
Ion Ratio	Lower	Upper	
117	100		
82	53.9	44.2	66.4
119	31.3	25.1	37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY002305.D

Acq: 14 Apr 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

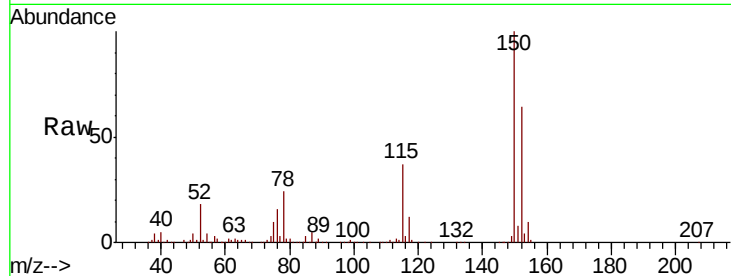
Tot Ion:152 Resp: 90302

Ion Ratio Lower Upper

152 100

115 59.7 30.7 92.1

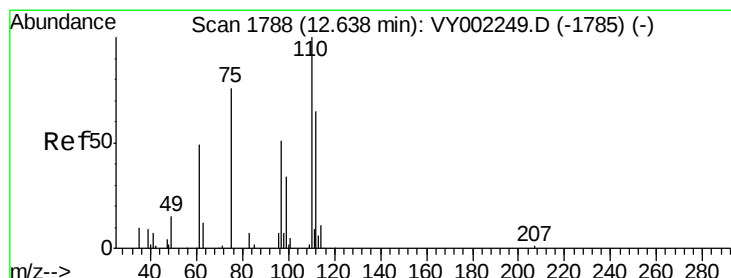
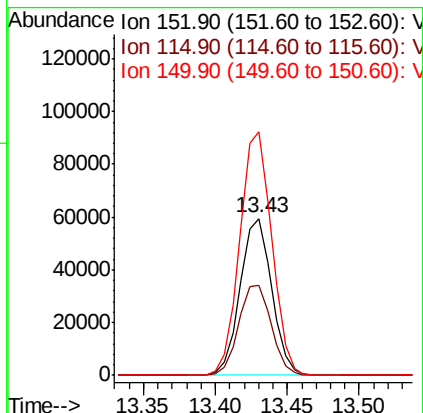
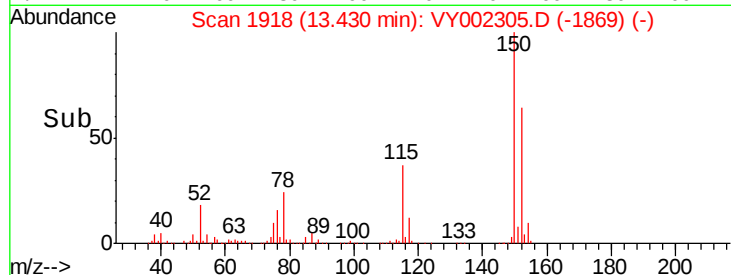
150 157.6 0.0 350.6



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: 47.978 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002305.D

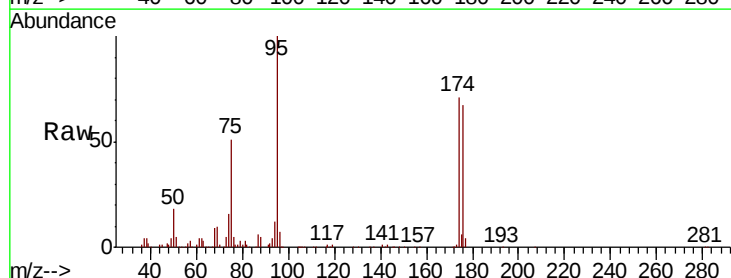
Acq: 14 Apr 2020 13:57

Tgt Ion: 75 Resp: 50310

Ion Ratio Lower Upper

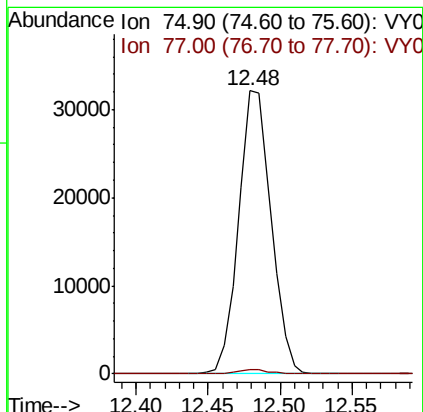
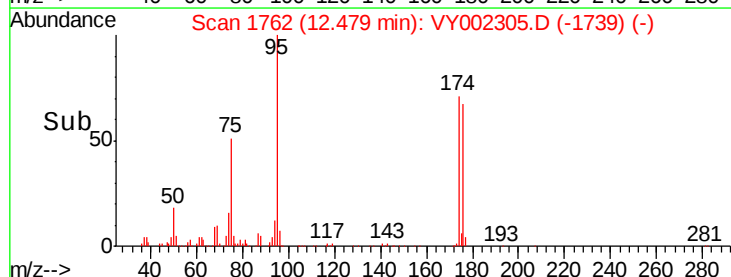
75 100

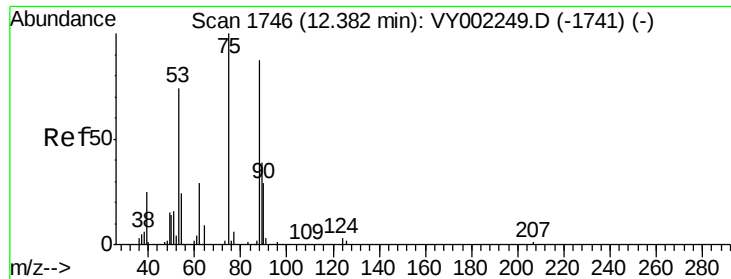
77 1.4 0.0 0.0#



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: 93.317 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002305.D

Acq: 14 Apr 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

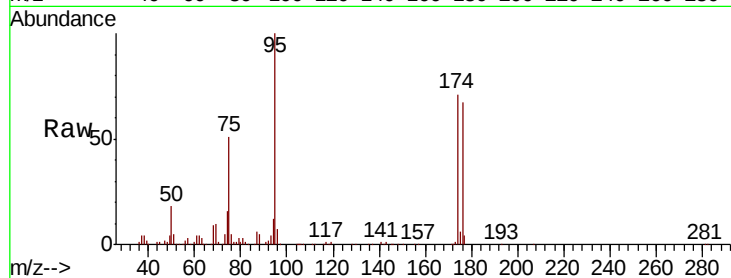
Tot Ion: 75 Resp: 50310

Ion Ratio Lower Upper

75 100

53 0.2 59.8 89.8#

89 0.1 37.0 55.6#



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

