

Data File : VY001982.D
Acq On : 16 Mar 2020 14:52
Operator : SY/MD
Sample : L1943-05
Misc : 5.39G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-9(5-6)

Quant Time: Mar 17 08:06:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	141182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	277967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	253403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	108374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	89968	59.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.38%	
35) Dibromofluoromethane	7.74	113	80622	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
50) Toluene-d8	10.19	98	338737	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.49	95	112766	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	

Target Compounds

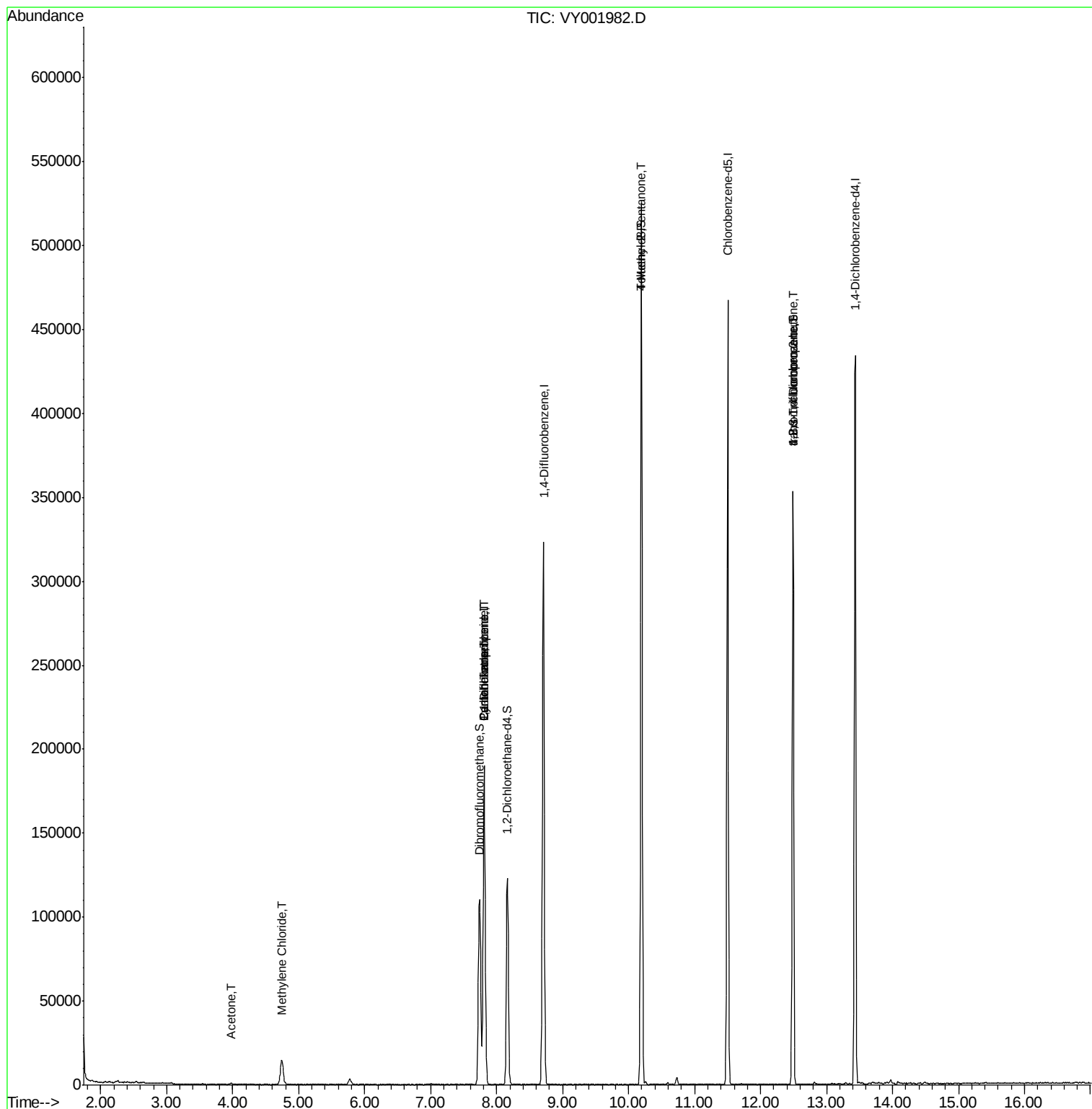
					Qvalue	
5) Bromomethane	2.72	94	21	Below Cal	#	4
16) Acetone	3.98	43	980	2.232	ug/l #	67
20) Methylene Chloride	4.75	84	11432	6.076	ug/l	95
31) Cyclohexane	7.81	56	3398	1.026	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	12545	4.690	ug/l #	50
38) Carbon Tetrachloride	7.81	117	14322	6.268	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	1565	1.032	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	56869	44.224	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	56869	89.330	ug/l #	17

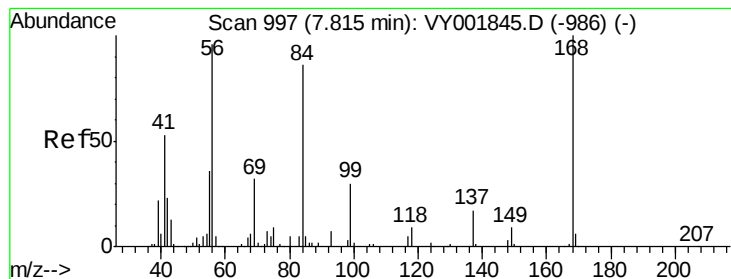
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001982.D

Acq: 16 Mar 2020 14:52

Instrument :

MSVOA_Y

ClientSampleId :

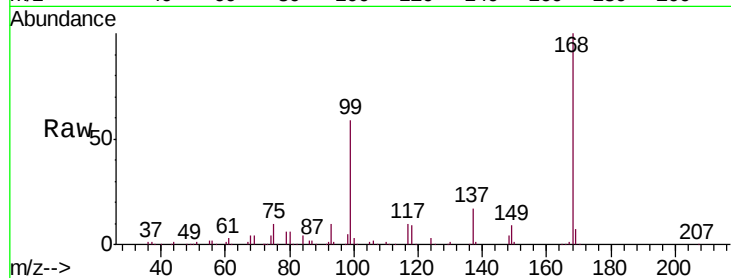
TP-9(5-6)

Tgt Ion:168 Resp: 141182

Ion Ratio Lower Upper

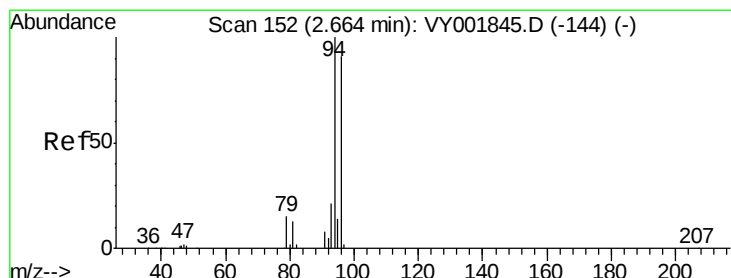
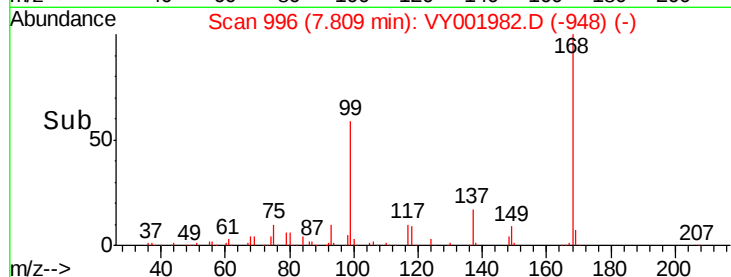
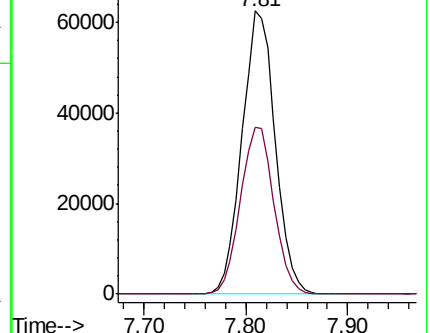
168 100

99 59.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.72 min Scan# 161

Delta R.T. 0.06 min

Lab File: VY001982.D

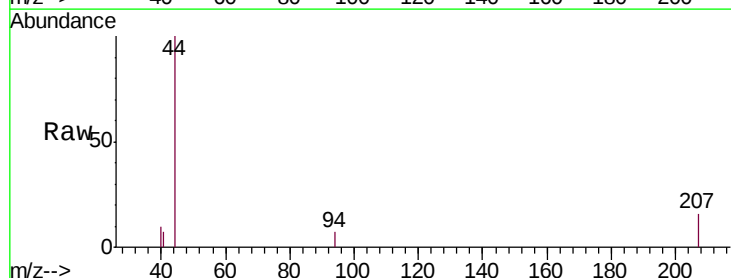
Acq: 16 Mar 2020 14:52

Tgt Ion: 94 Resp: 21

Ion Ratio Lower Upper

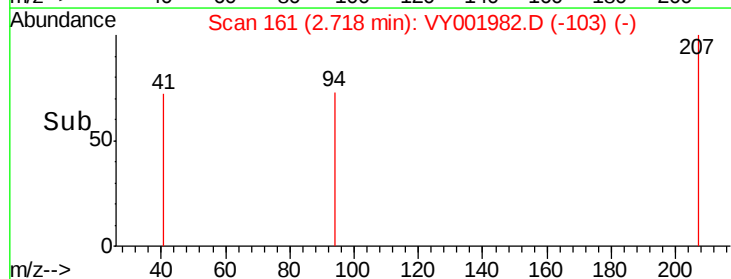
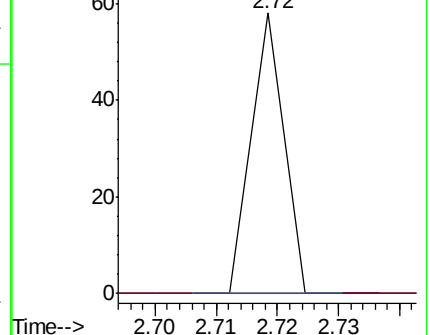
94 100

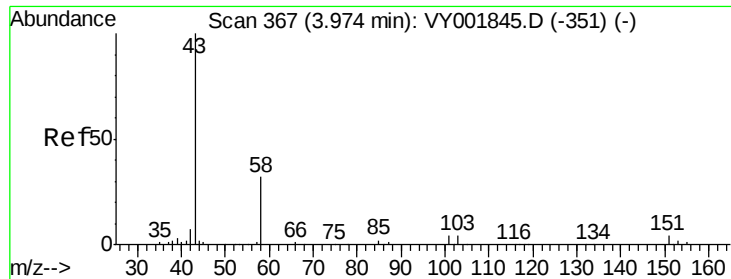
96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)





#16

Acetone

Concen: 2.232 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001982.D

Acq: 16 Mar 2020 14:52

Instrument :

MSVOA_Y

ClientSampleId :

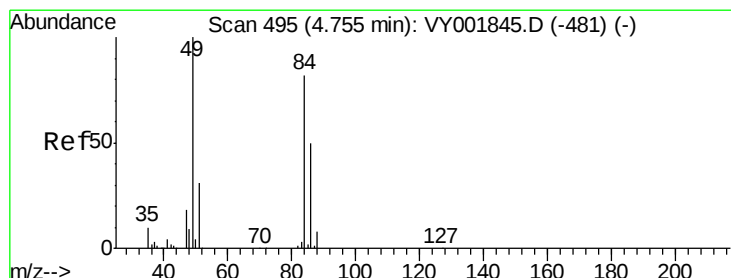
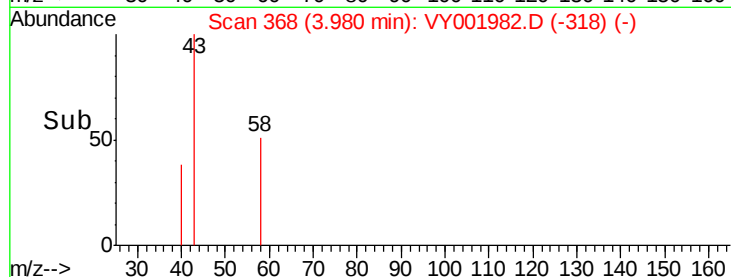
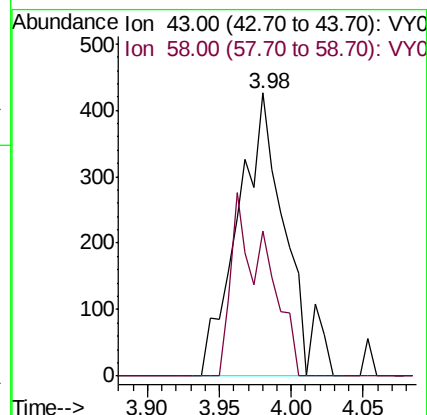
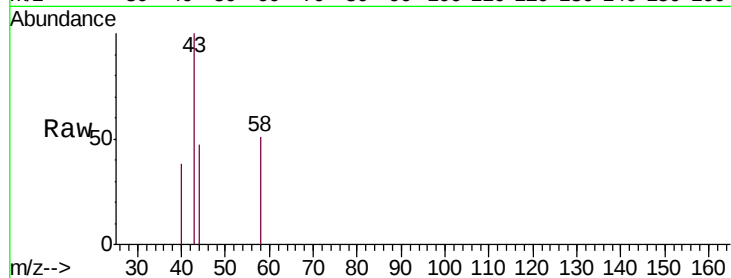
TP-9(5-6)

Tgt Ion: 43 Resp: 980

Ion Ratio Lower Upper

43 100

58 51.2 25.9 38.9#



#20

Methylene Chloride

Concen: 6.076 ug/l

RT: 4.75 min Scan# 494

Delta R.T. -0.01 min

Lab File: VY001982.D

Acq: 16 Mar 2020 14:52

Tgt Ion: 84 Resp: 11432

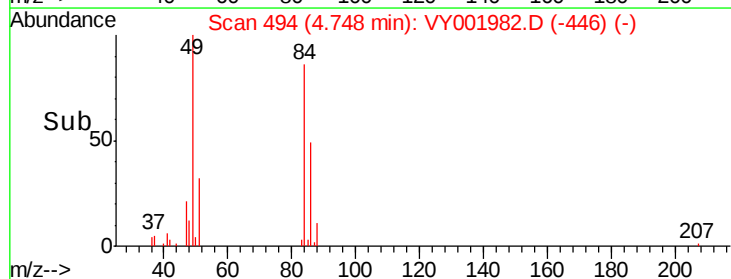
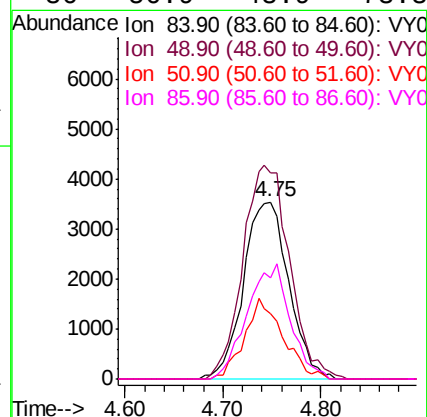
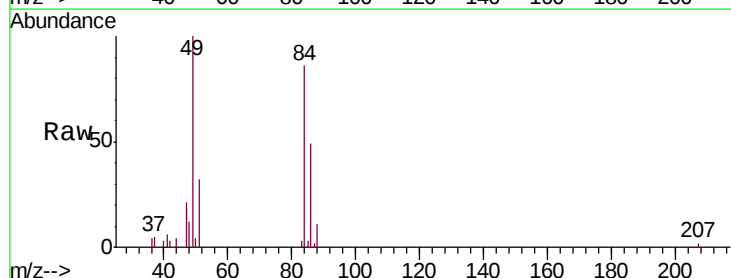
Ion Ratio Lower Upper

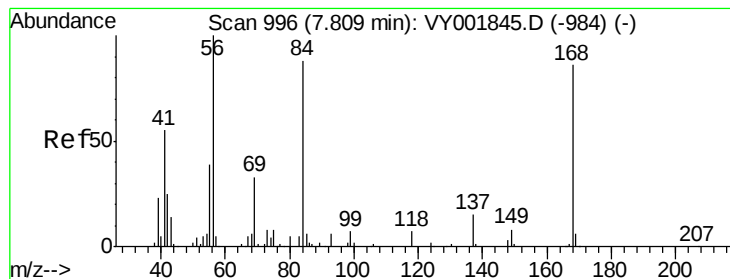
84 100

49 116.4 98.2 147.2

51 37.0 30.2 45.2

86 56.9 48.9 73.3





#31

Cyclohexane

Concen: 1.026 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY001982.D

Acq: 16 Mar 2020 14:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-9(5-6)

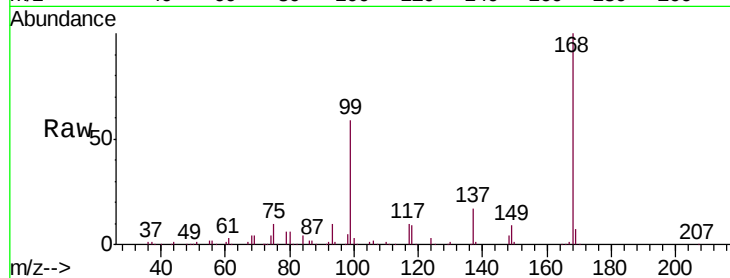
Tgt Ion: 56 Resp: 3398

Ion Ratio Lower Upper

56 100

69 159.4 26.7 40.1#

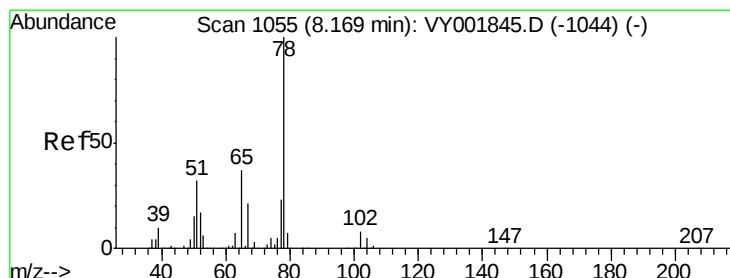
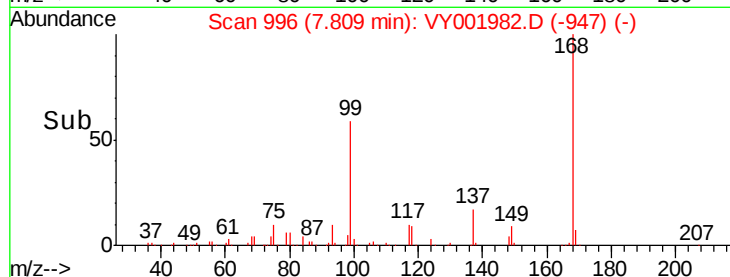
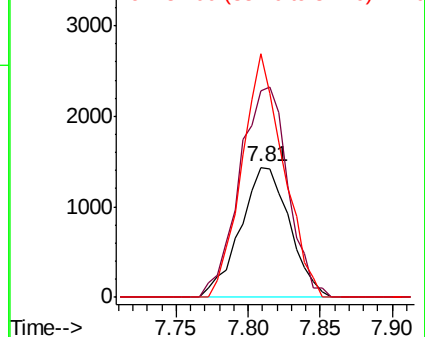
84 187.5 70.4 105.6#



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: 59.692 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001982.D

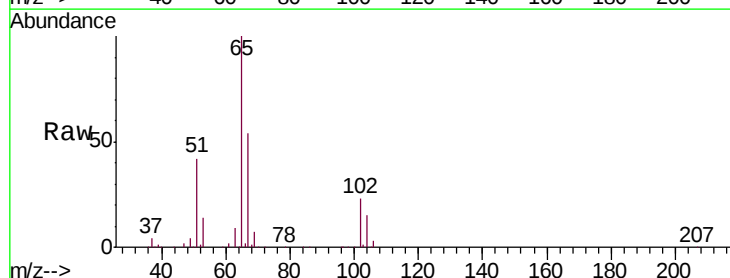
Acq: 16 Mar 2020 14:52

Tgt Ion: 65 Resp: 89968

Ion Ratio Lower Upper

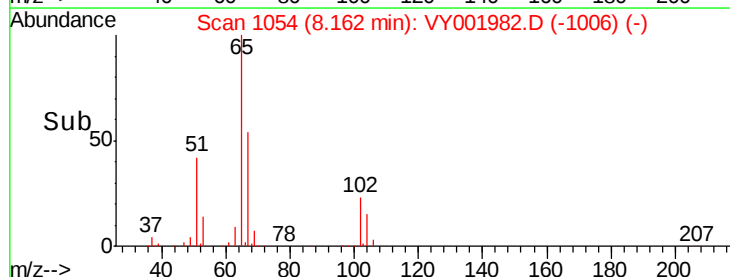
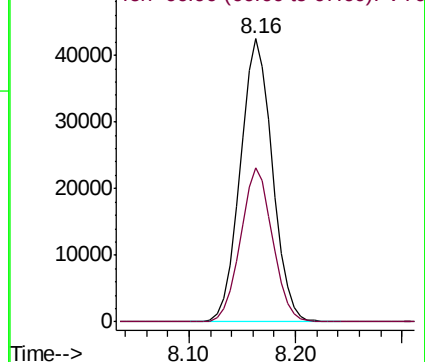
65 100

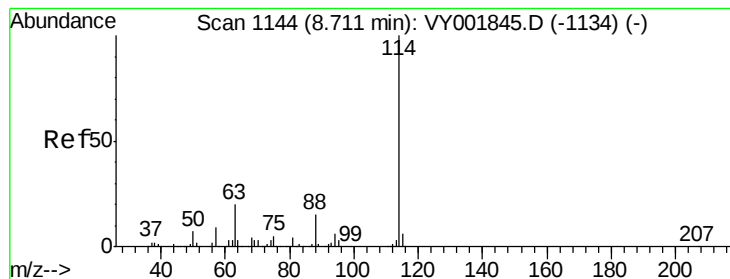
67 54.1 0.0 110.8



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. -0.00 min

Lab File: VY001982.D

Acq: 16 Mar 2020 14:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-9(5-6)

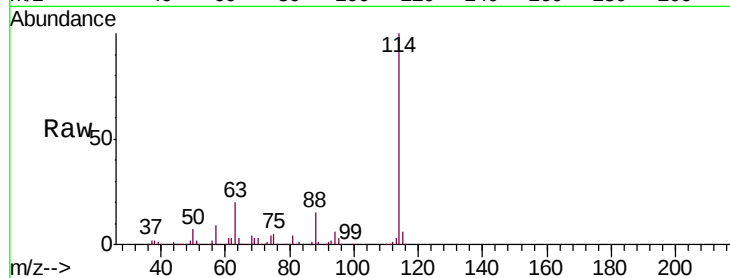
Tgt Ion:114 Resp: 277967

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.4

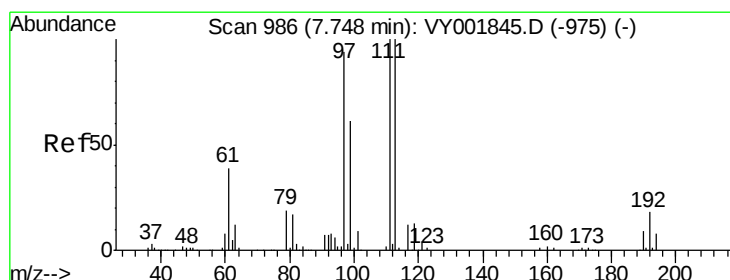
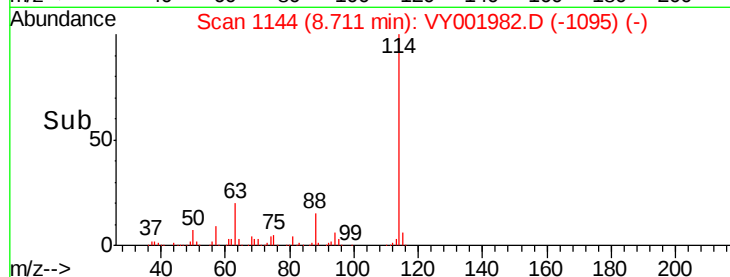
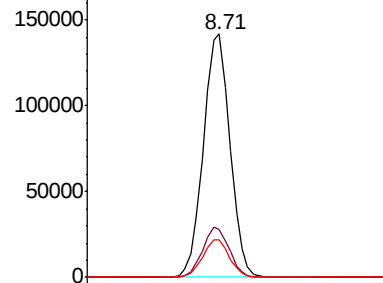
88 15.2 0.0 30.4



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: 53.117 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001982.D

Acq: 16 Mar 2020 14:52

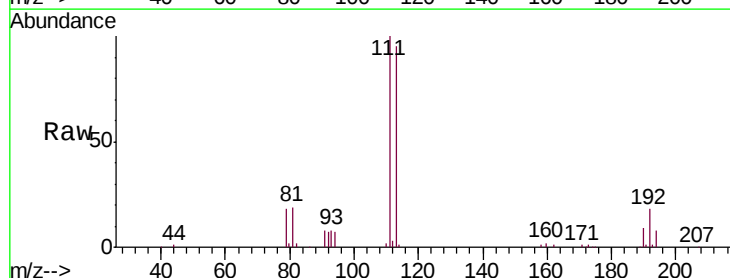
Tgt Ion:113 Resp: 80622

Ion Ratio Lower Upper

113 100

111 103.5 81.8 122.8

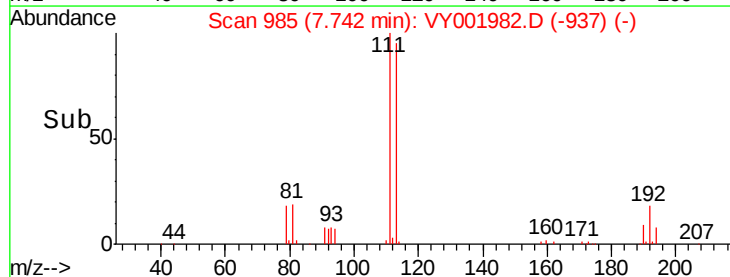
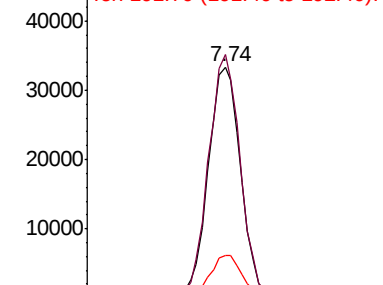
192 18.4 14.2 21.2

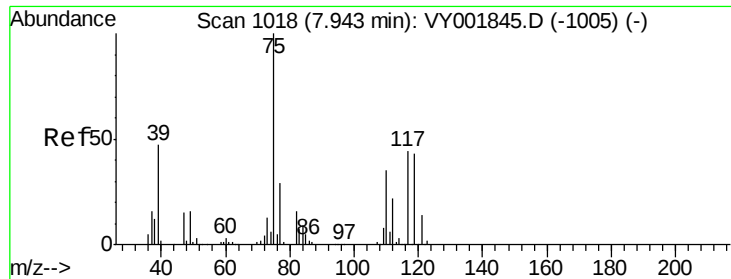


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

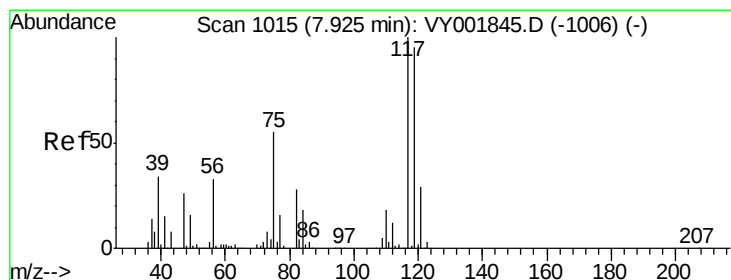
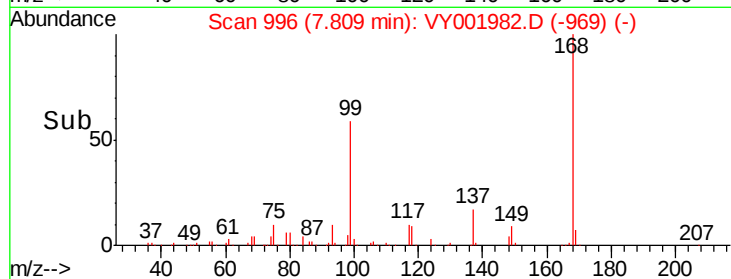
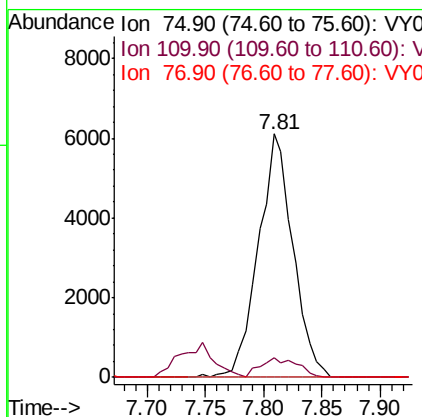
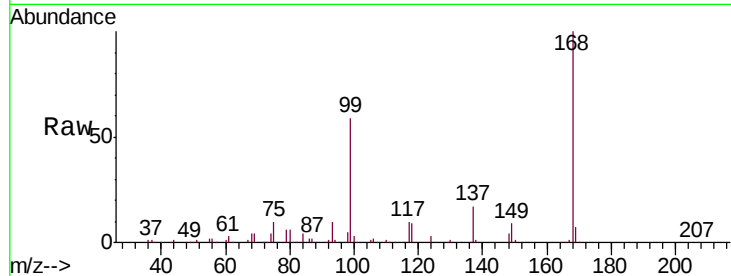




#36
 1,1-Dichloropropene
 Concen: 4.690 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001982.D
 Acq: 16 Mar 2020 14:52

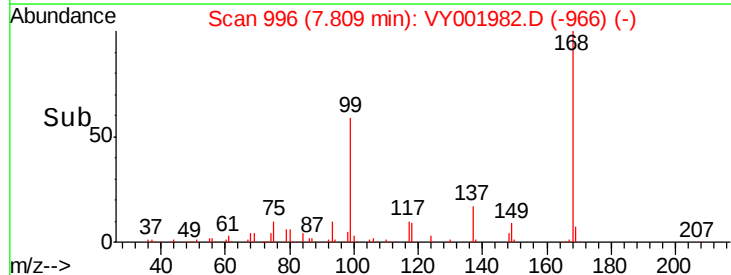
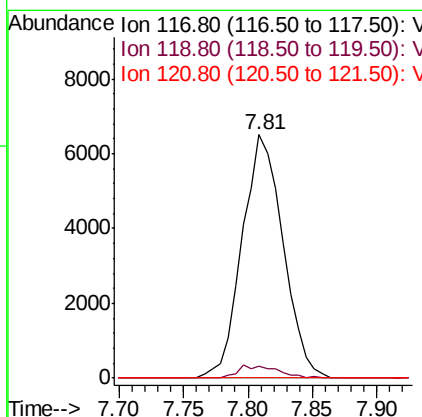
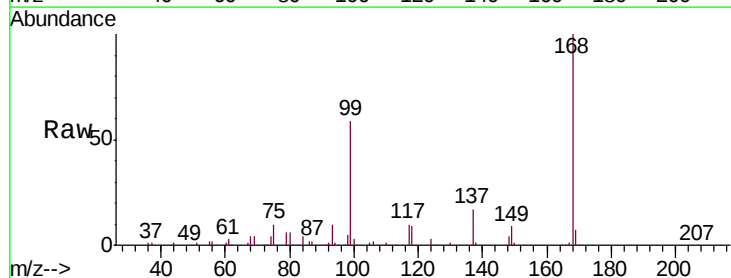
Instrument :
 MSVOA_Y
 ClientSampled :
 TP-9(5-6)

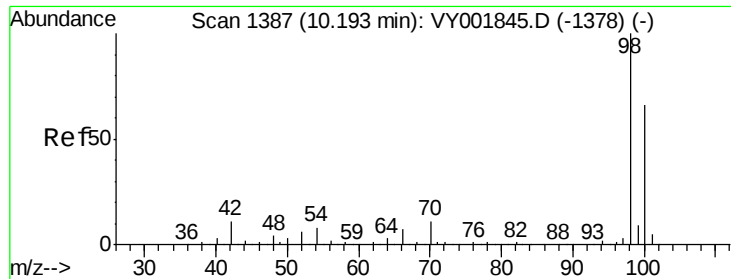
Tgt Ion: 75 Resp: 12545
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.4 52.2#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.268 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY001982.D
 Acq: 16 Mar 2020 14:52

Tgt Ion: 117 Resp: 14322
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.3 114.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 52.924 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY001982.D

Acq: 16 Mar 2020 14:52

Instrument :

MSVOA_Y

ClientSampleId :

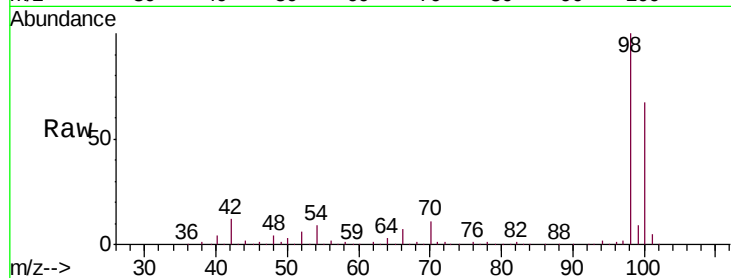
TP-9(5-6)

Tgt Ion: 98 Resp: 338737

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)

10.19

200000

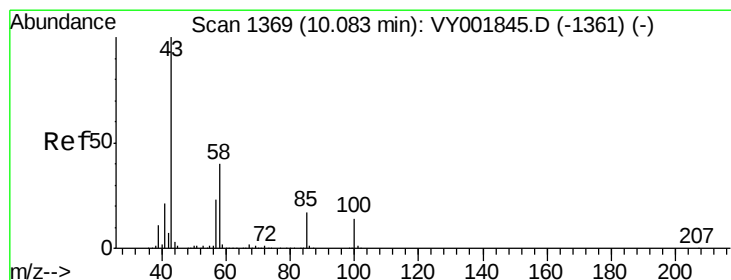
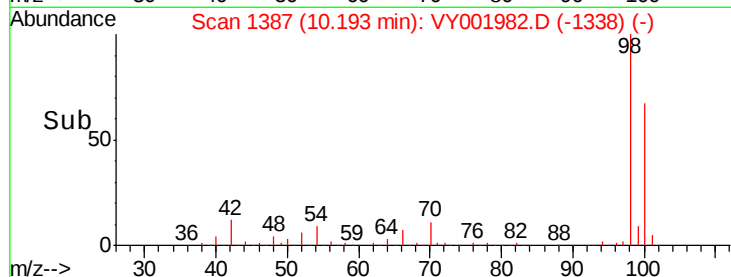
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.032 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY001982.D

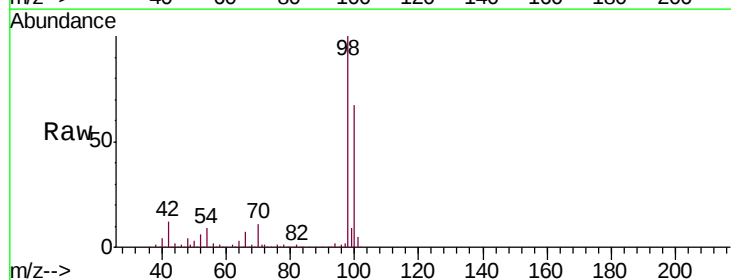
Acq: 16 Mar 2020 14:52

Tgt Ion: 43 Resp: 1565

Ion Ratio Lower Upper

43 100

58 195.1 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1361) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-1361) (-)

2000

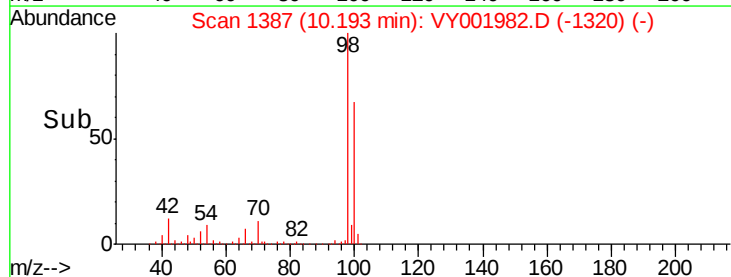
1500

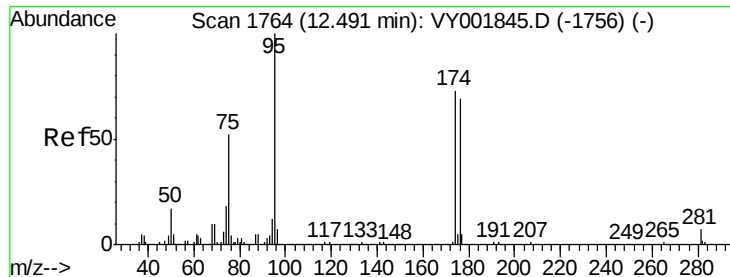
1000

500

0

Time-->

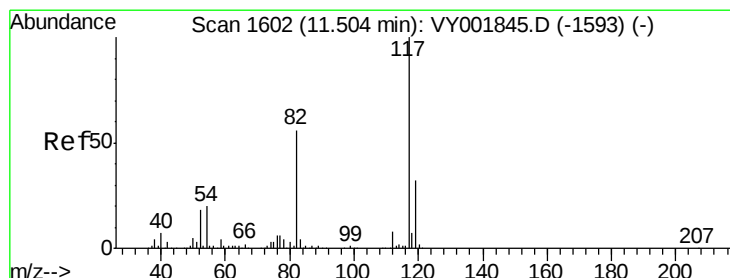
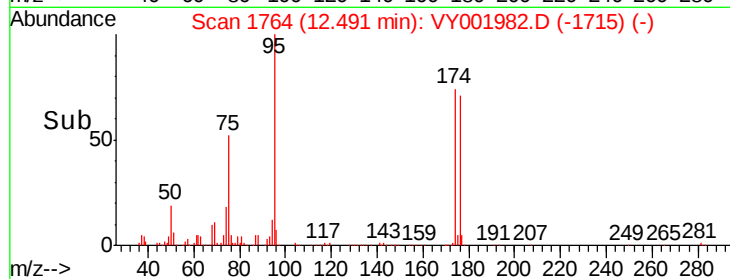
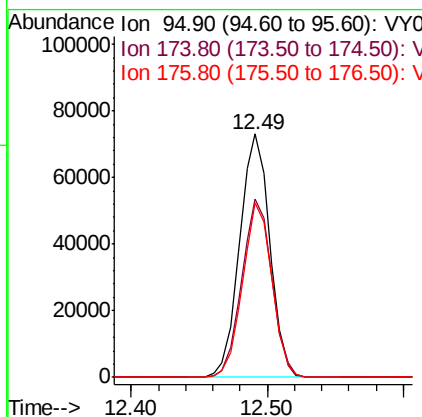
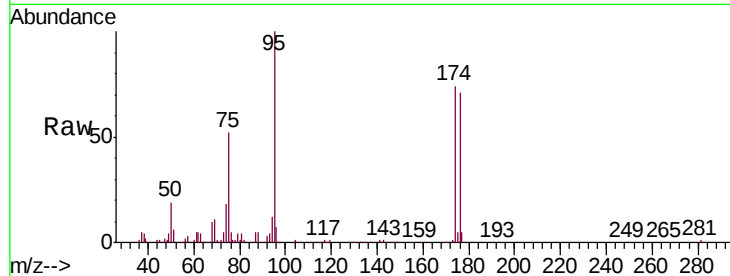




#62
4-Bromofluorobenzene
Concen: 50.670 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VY001982.D
Acq: 16 Mar 2020 14:52

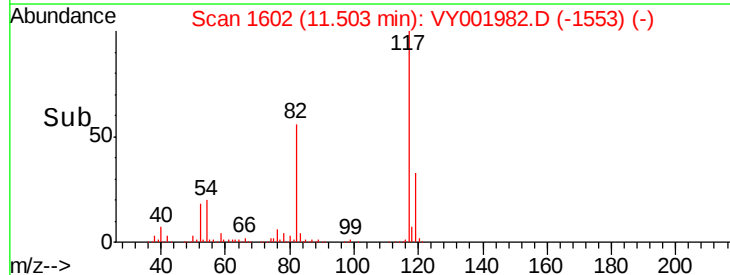
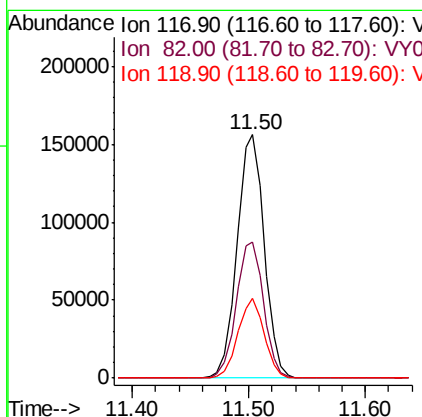
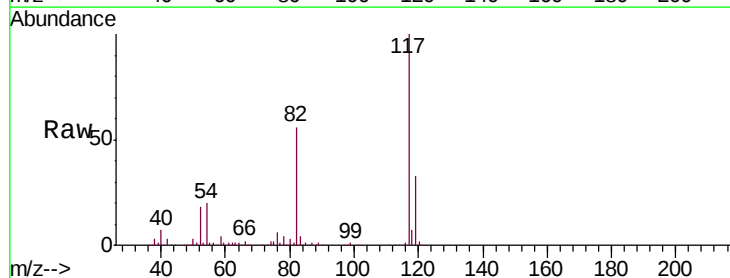
Instrument :
MSVOA_Y
ClientSampleId :
TP-9(5-6)

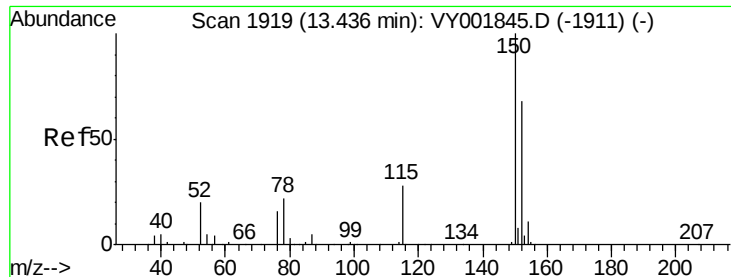
Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	145.0
176	69.8	0.0	137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001982.D
Acq: 16 Mar 2020 14:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.5	66.7
119	32.9	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY001982.D

Acq: 16 Mar 2020 14:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-9(5-6)

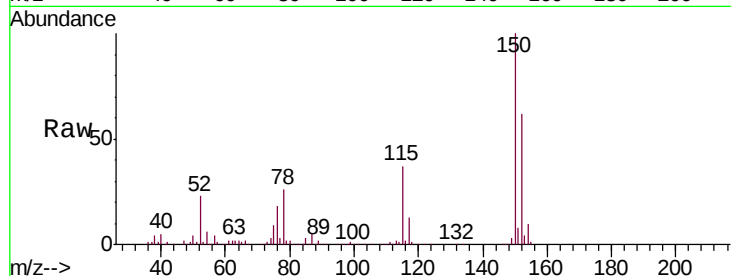
Tgt Ion:152 Resp: 108374

Ion Ratio Lower Upper

152 100

115 61.1 29.9 89.7

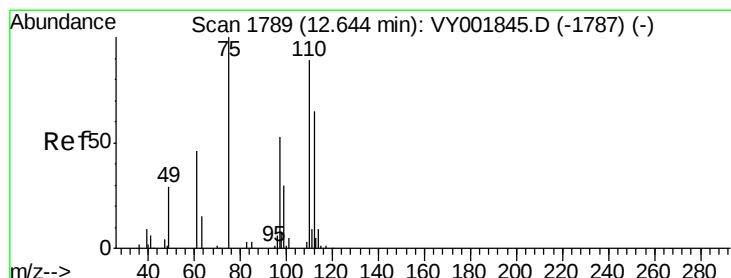
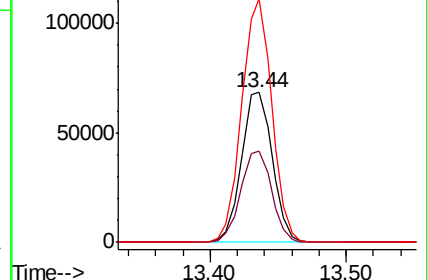
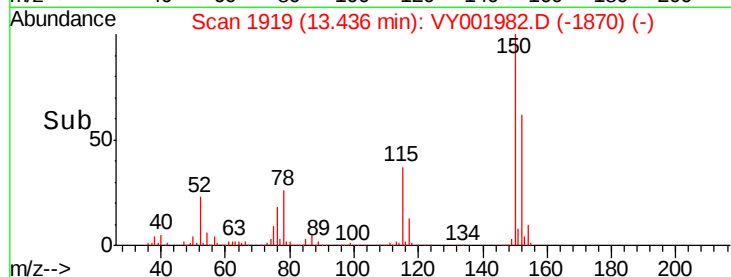
150 158.0 0.0 340.6



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: 44.224 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001982.D

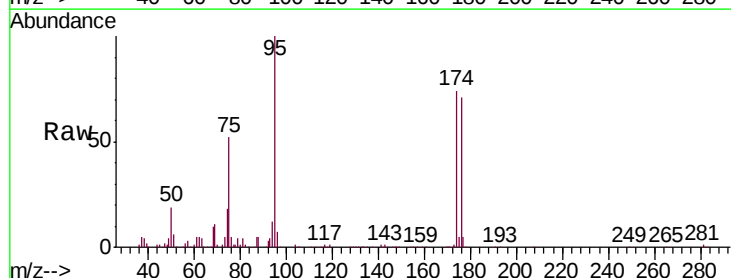
Acq: 16 Mar 2020 14:52

Tgt Ion: 75 Resp: 56869

Ion Ratio Lower Upper

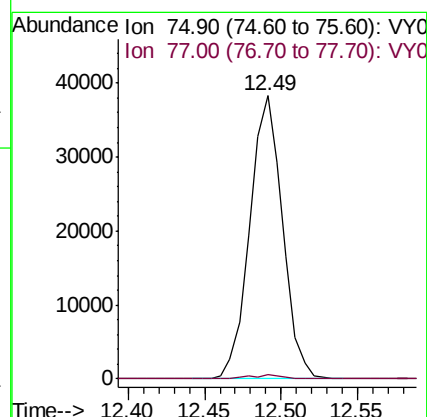
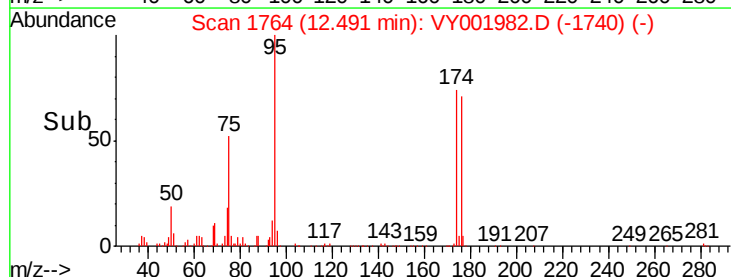
75 100

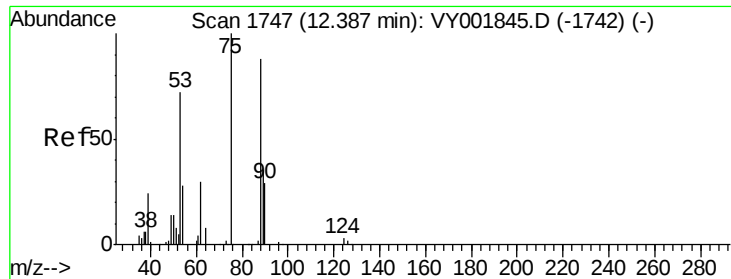
77 1.6 0.0 0.0#



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: 89.330 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001982.D

Acq: 16 Mar 2020 14:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-9(5-6)

Tgt Ion: 75 Resp: 56869

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

