

Data File : VY001944.D
Acq On : 11 Mar 2020 15:38
Operator : SY/MD
Sample : L1893-13
Misc : 9.62G/5ML/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-4(3-4)

Quant Time: Mar 12 01:57:10 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	128849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	255384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	233676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	101698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	82970	60.32	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	120.64%	
35) Dibromofluoromethane	7.74	113	75080	53.84	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.68%	
50) Toluene-d8	10.19	98	307144	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.49	95	105011	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	

Target Compounds

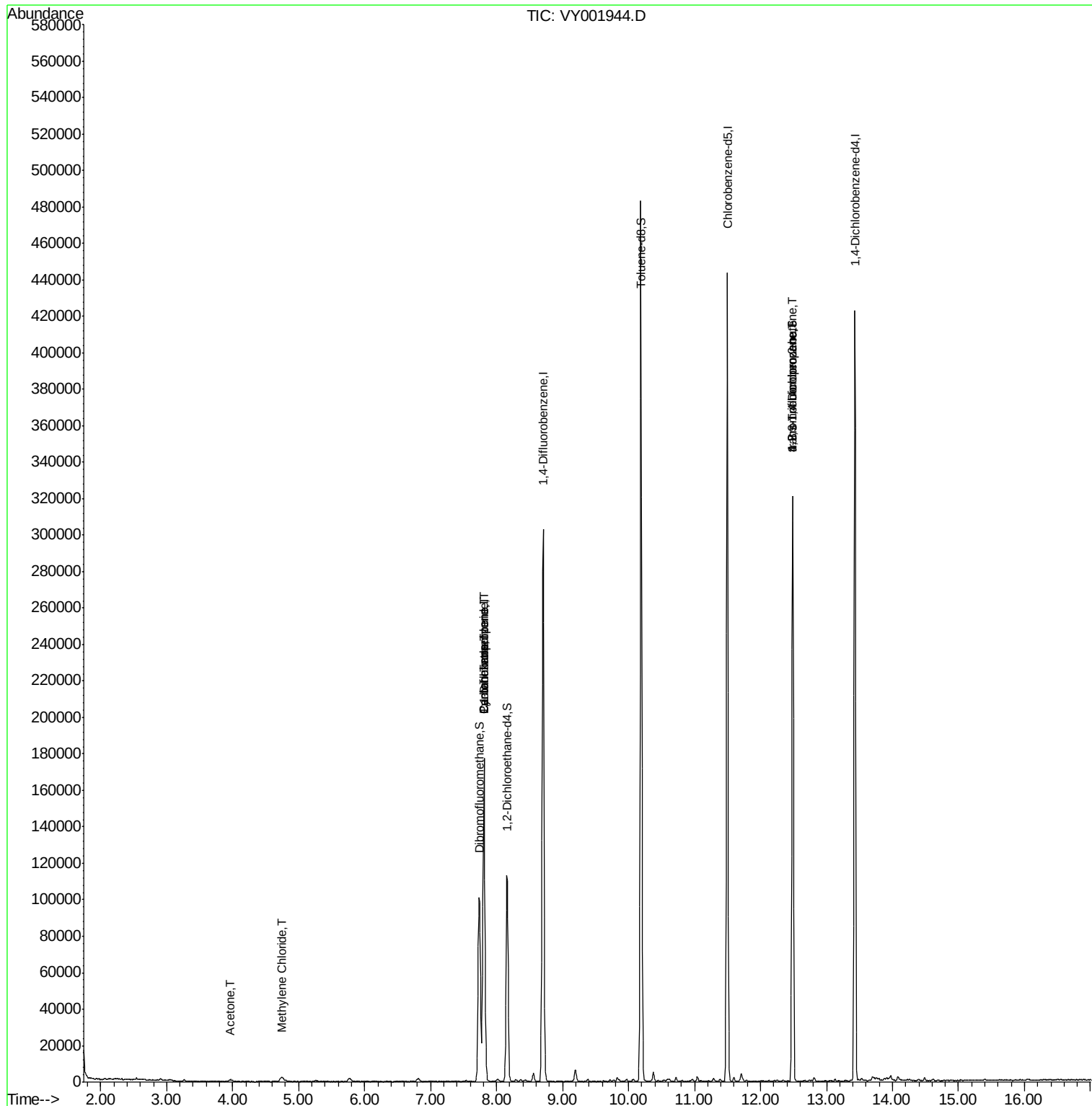
					Qvalue	
11) Tert butyl alcohol	4.99	59	21	Below Cal	#	74
16) Acetone	3.97	43	2026	5.057	ug/l	96
20) Methylene Chloride	4.74	84	1812	1.055	ug/l #	89
31) Cyclohexane	7.80	56	4263	1.410	ug/l #	32
36) 1,1-Dichloropropene	7.80	75	10916	4.442	ug/l #	50
38) Carbon Tetrachloride	7.81	117	13333	6.351	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	53839	44.616	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	53839	90.122	ug/l #	17

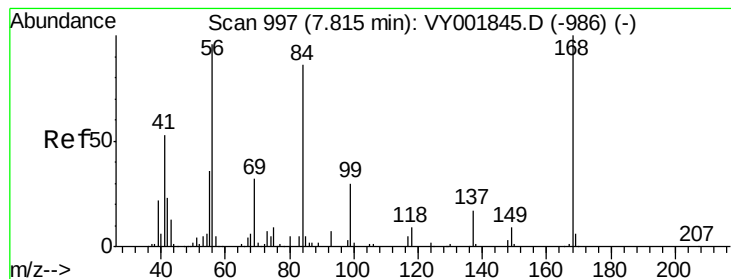
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001944.D

Acq: 11 Mar 2020 15:38

Instrument :

MSVOA_Y

ClientSampleId :

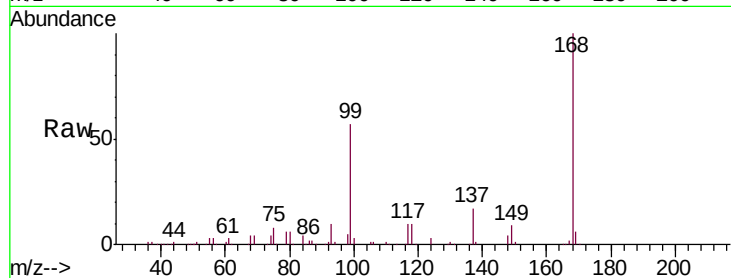
TP-4(3-4)

Tgt Ion:168 Resp: 128849

Ion Ratio Lower Upper

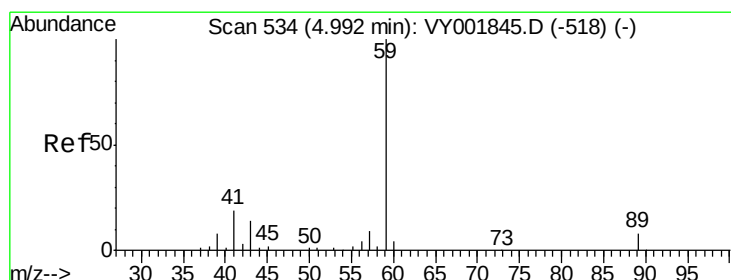
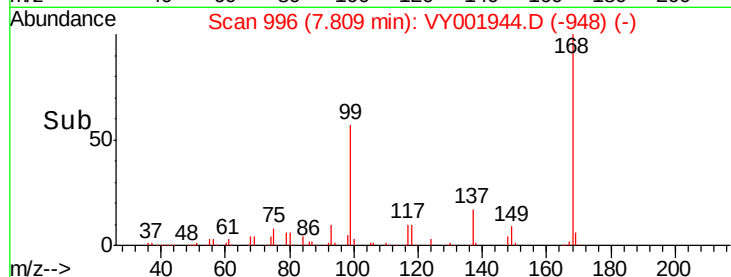
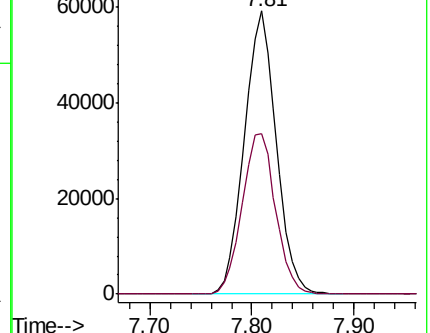
168 100

99 56.9 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) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: VY001944.D

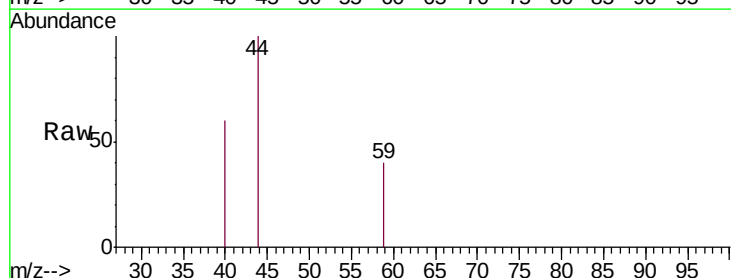
Acq: 11 Mar 2020 15:38

Tgt Ion: 59 Resp: 21

Ion Ratio Lower Upper

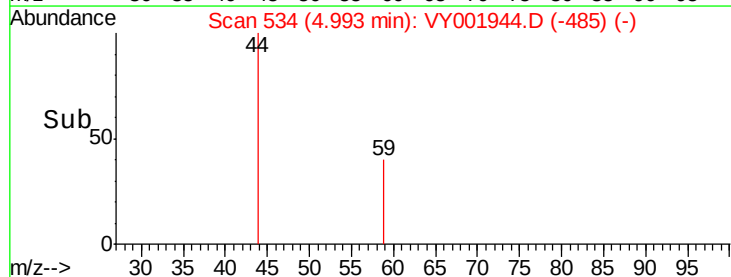
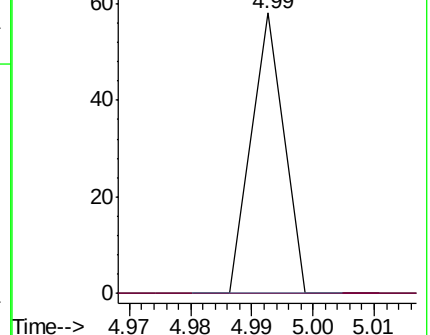
59 100

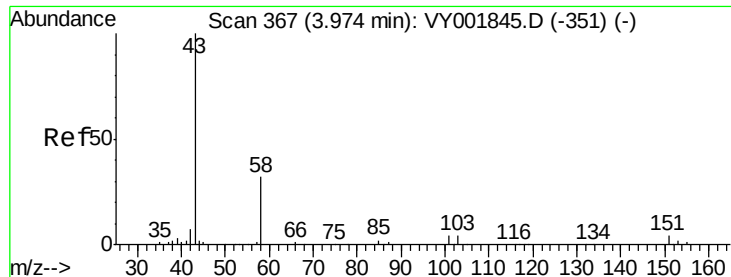
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001845.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VY001845.D (-518) (-)





#16

Acetone

Concen: 5.057 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001944.D

Acq: 11 Mar 2020 15:38

Instrument :

MSVOA_Y

ClientSampleId :

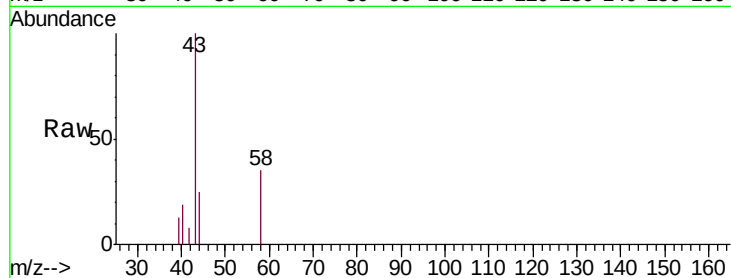
TP-4(3-4)

Tgt Ion: 43 Resp: 2026

Ion Ratio Lower Upper

43 100

58 34.6 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.97

800

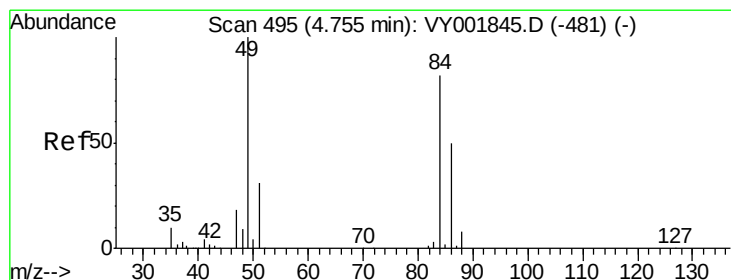
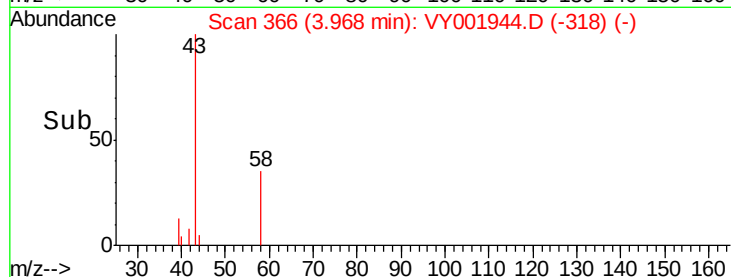
600

400

200

0

Time--> 3.85 3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 1.055 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY001944.D

Acq: 11 Mar 2020 15:38

Tgt Ion: 84 Resp: 1812

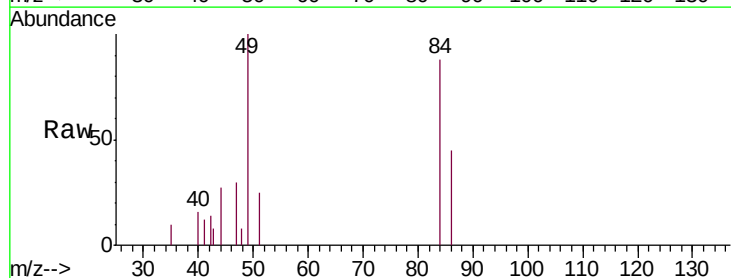
Ion Ratio Lower Upper

84 100

49 113.2 98.2 147.2

51 28.6 30.2 45.2#

86 50.7 48.9 73.3



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

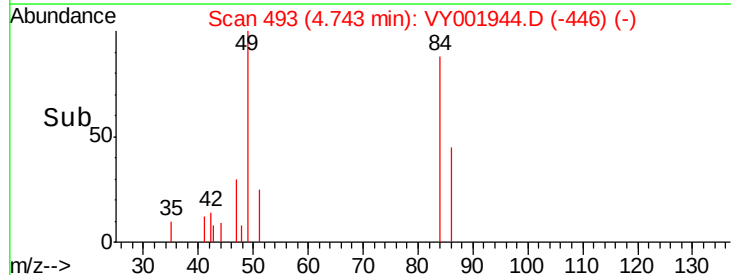
Ion 85.90 (85.60 to 86.60): VY0

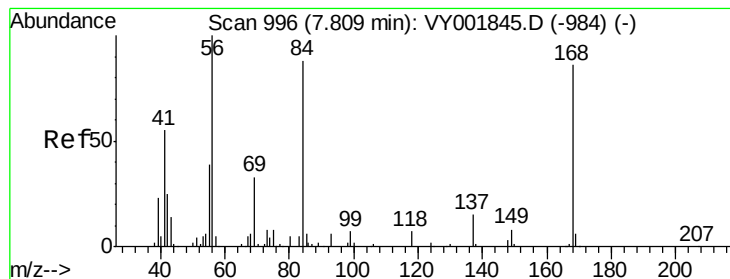
1000

500

0

Time--> 4.65 4.70 4.75 4.80





#31

Cyclohexane

Concen: 1.410 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001944.D

Acq: 11 Mar 2020 15:38

Instrument :

MSVOA_Y

ClientSampleId :

TP-4(3-4)

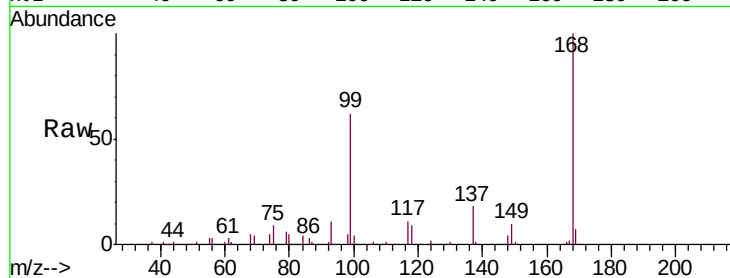
Tgt Ion: 56 Resp: 4263

Ion Ratio Lower Upper

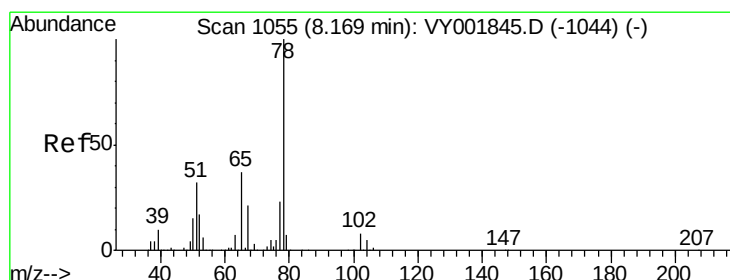
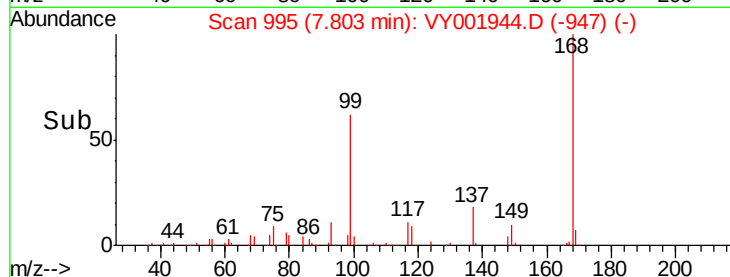
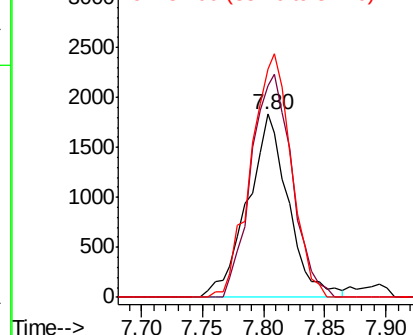
56 100

69 115.5 26.7 40.1#

84 124.8 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: 60.318 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001944.D

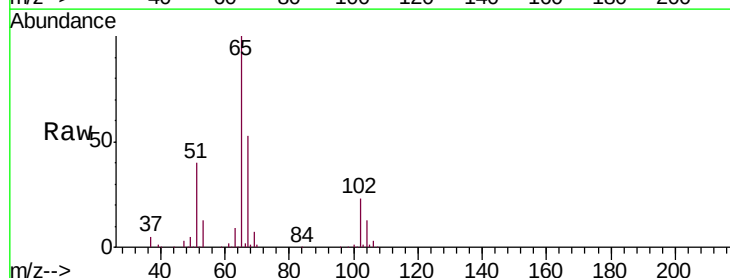
Acq: 11 Mar 2020 15:38

Tgt Ion: 65 Resp: 82970

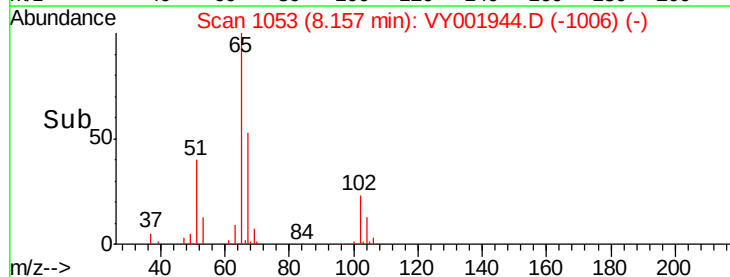
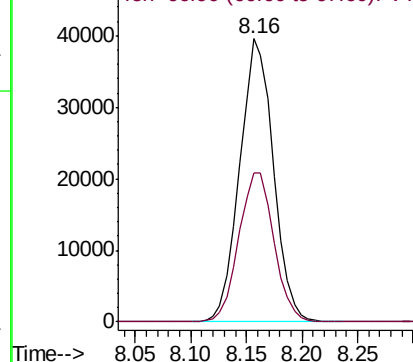
Ion Ratio Lower Upper

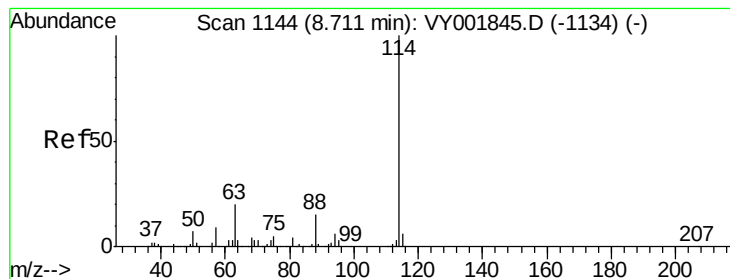
65 100

67 55.2 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# 1143

Delta R.T. -0.01 min

Lab File: VY001944.D

Acq: 11 Mar 2020 15:38

Instrument :

MSVOA_Y

ClientSampleId :

TP-4(3-4)

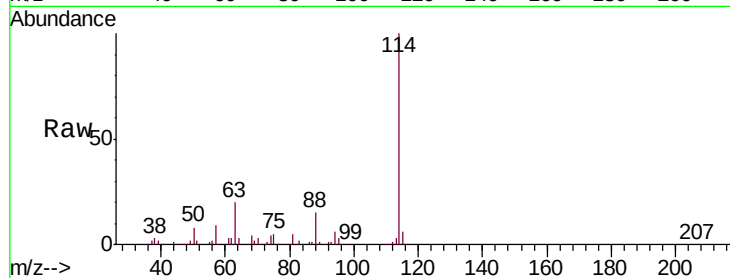
Tgt Ion:114 Resp: 255384

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

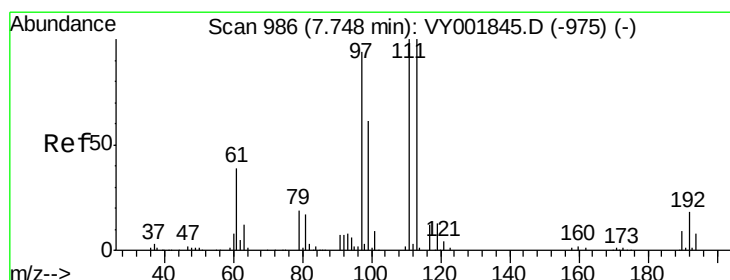
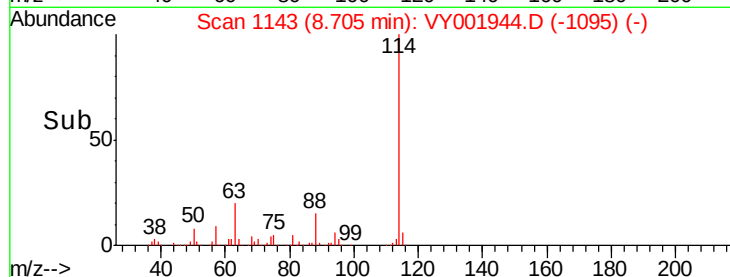
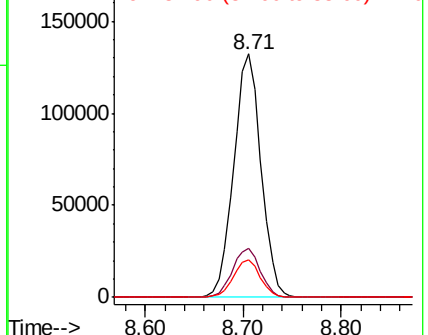
88 15.5 0.0 30.4



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: 53.840 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001944.D

Acq: 11 Mar 2020 15:38

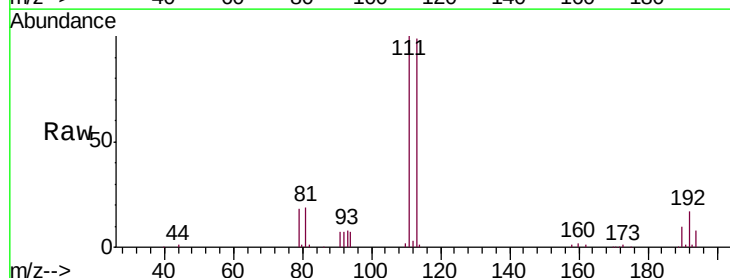
Tgt Ion:113 Resp: 75080

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

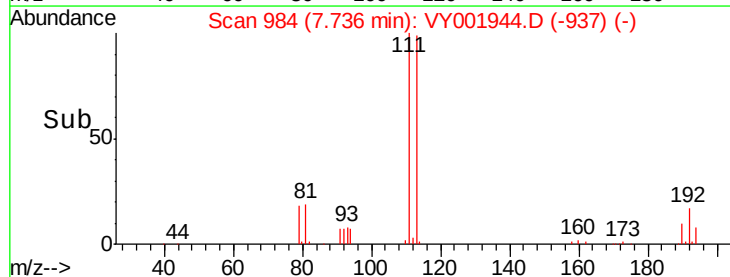
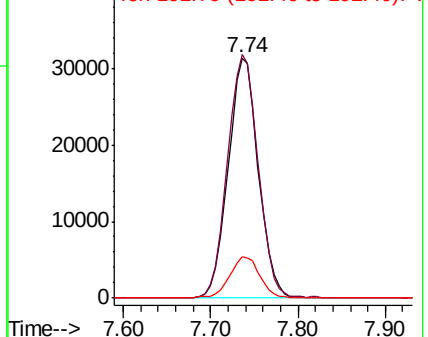
192 17.1 14.2 21.2

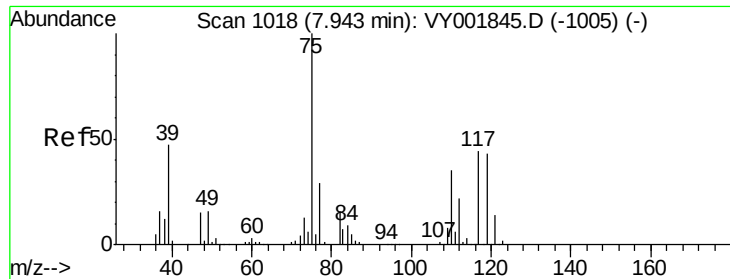


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

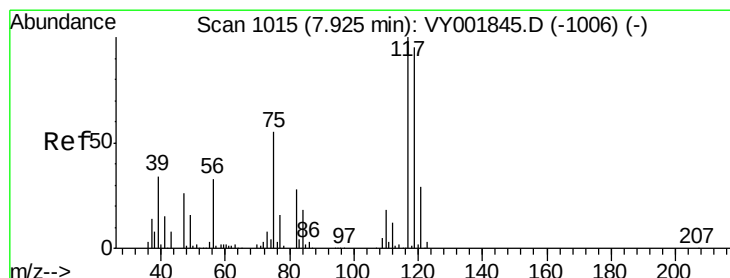
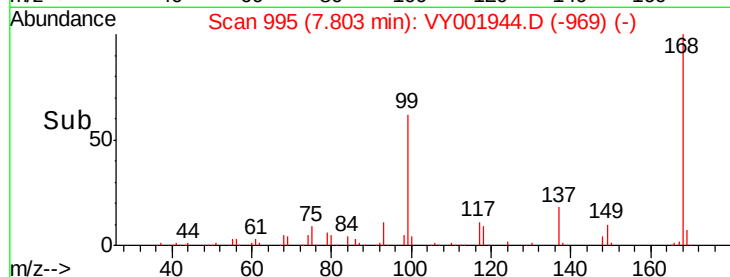
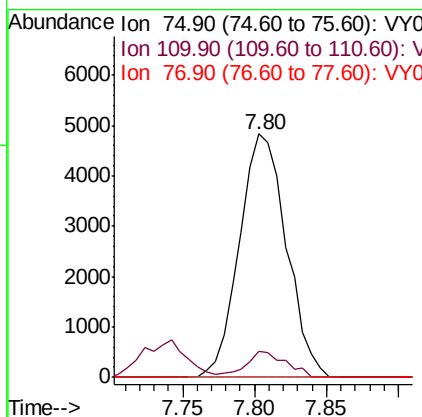
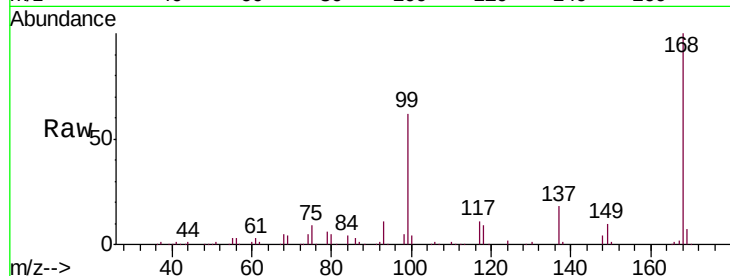




#36
 1,1-Dichloropropene
 Concen: 4.442 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY001944.D
 Acq: 11 Mar 2020 15:38

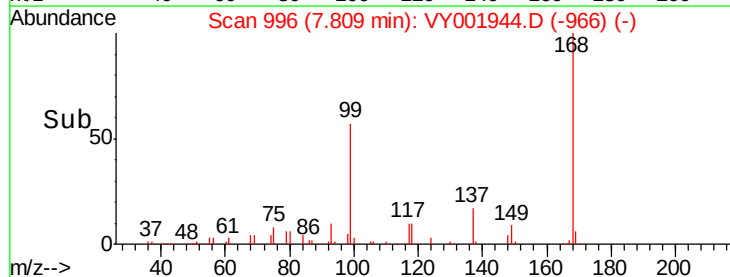
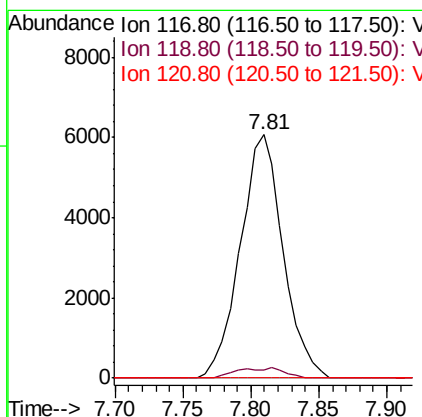
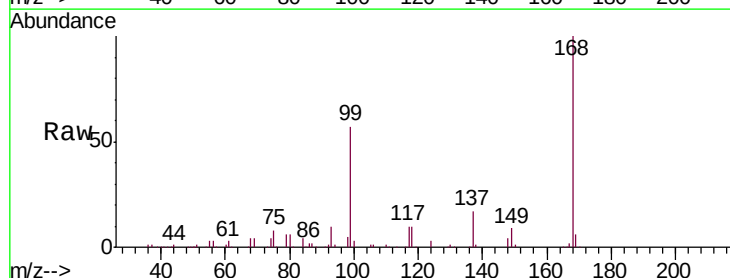
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4(3-4)

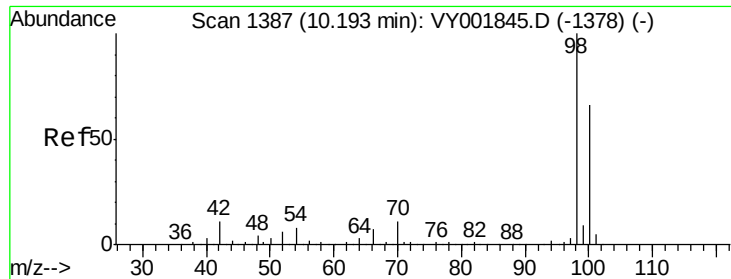
Tgt Ion: 75 Resp: 10916
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.4 52.2#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.351 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY001944.D
 Acq: 11 Mar 2020 15:38

Tgt Ion: 117 Resp: 13333
 Ion Ratio Lower Upper
 117 100
 119 3.6 76.3 114.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 52.232 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001944.D

Acq: 11 Mar 2020 15:38

Instrument :

MSVOA_Y

ClientSampleId :

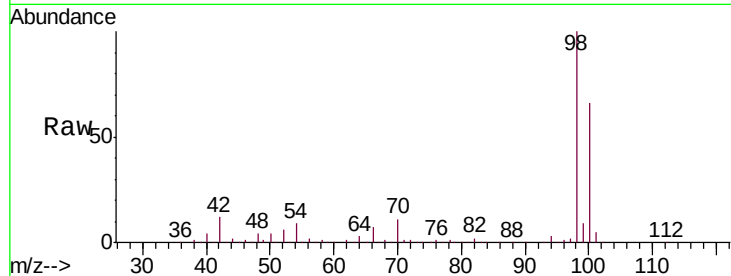
TP-4(3-4)

Tgt Ion: 98 Resp: 307144

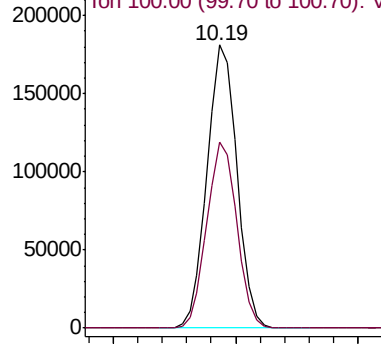
Ion Ratio Lower Upper

98 100

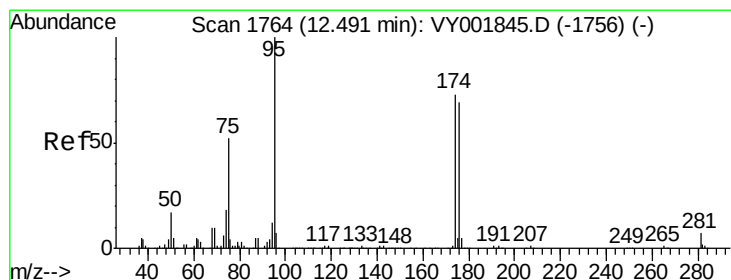
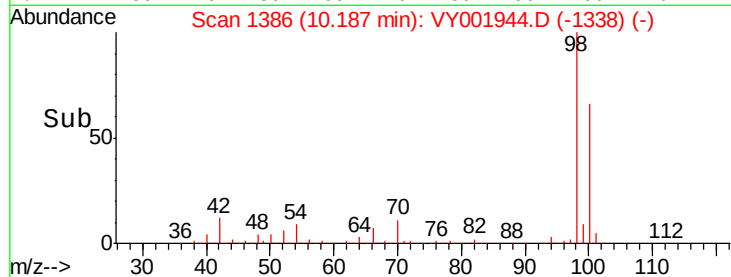
100 65.9 53.0 79.4



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



Time-->



#62

4-Bromofluorobenzene

Concen: 51.358 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001944.D

Acq: 11 Mar 2020 15:38

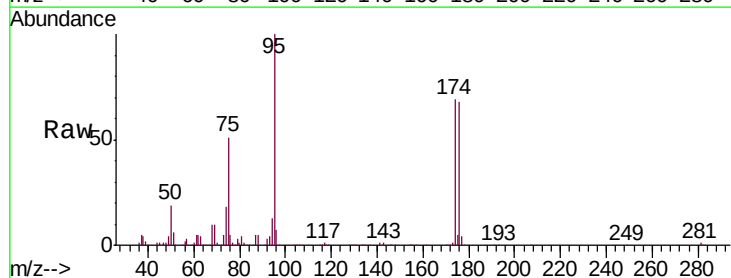
Tgt Ion: 95 Resp: 105011

Ion Ratio Lower Upper

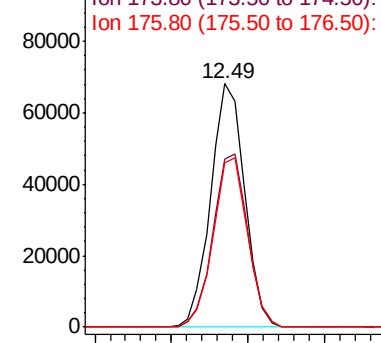
95 100

174 72.5 0.0 145.0

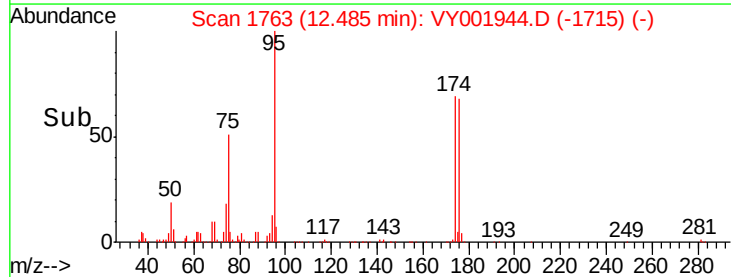
176 70.3 0.0 137.4

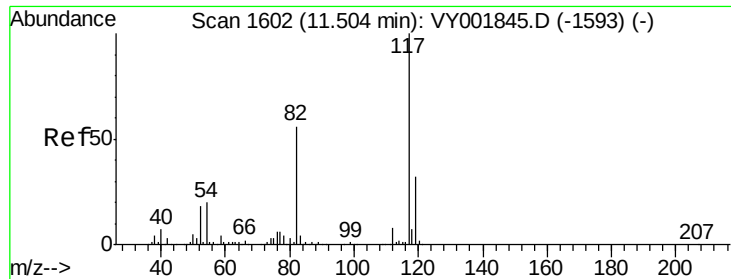


Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)



Time-->

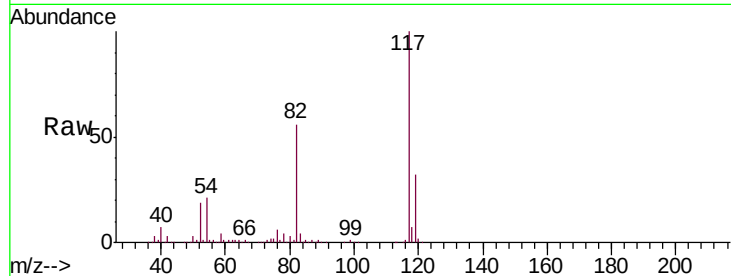




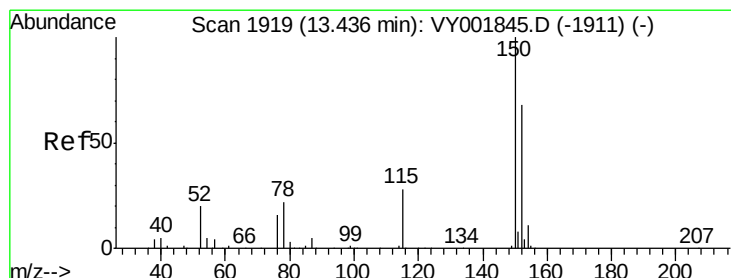
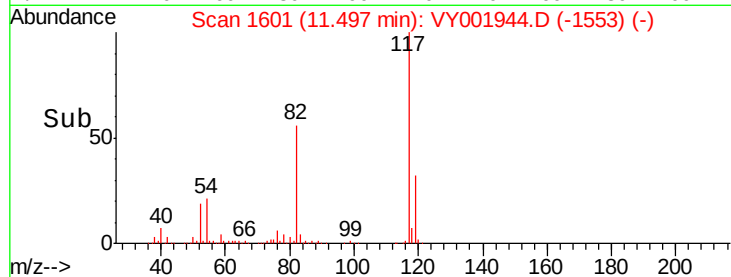
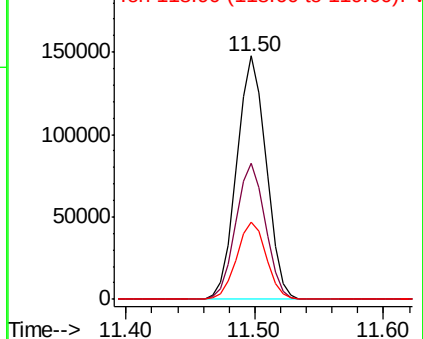
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001944.D
Acq: 11 Mar 2020 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TP-4(3-4)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.5	66.7
119	31.6	25.7	38.5

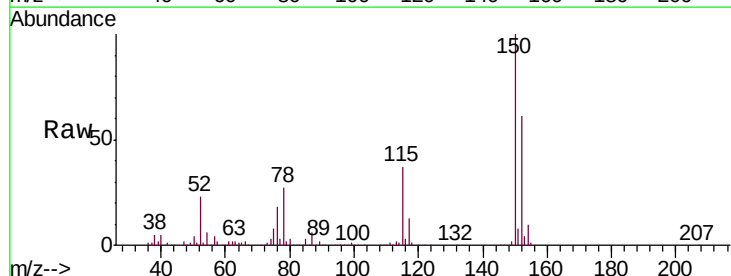


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

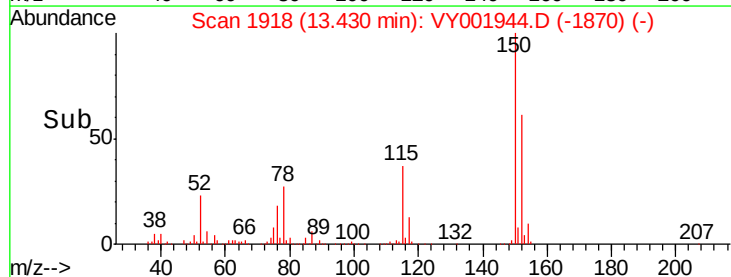
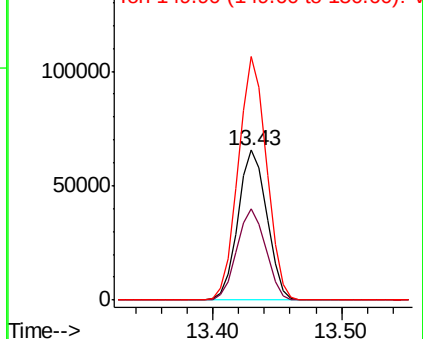


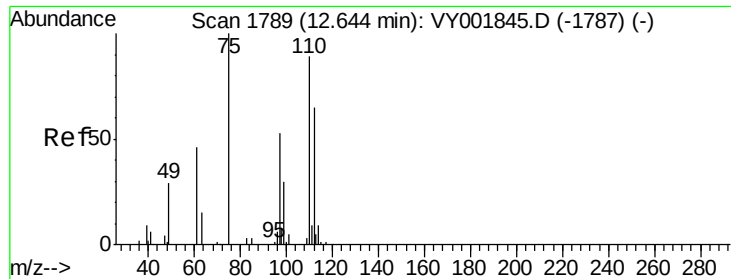
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001944.D
Acq: 11 Mar 2020 15:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	29.9	89.7
150	159.5	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: 44.616 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001944.D

Acq: 11 Mar 2020 15:38

Instrument :

MSVOA_Y

ClientSampleId :

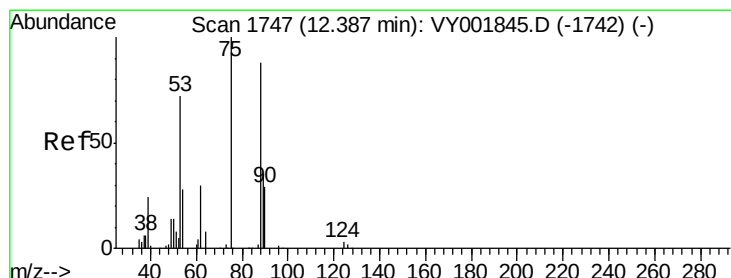
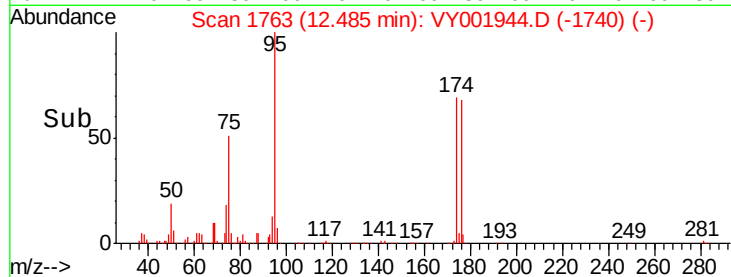
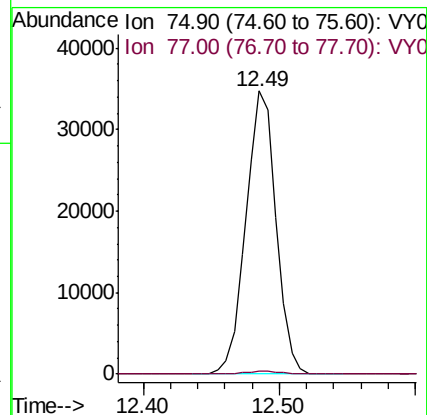
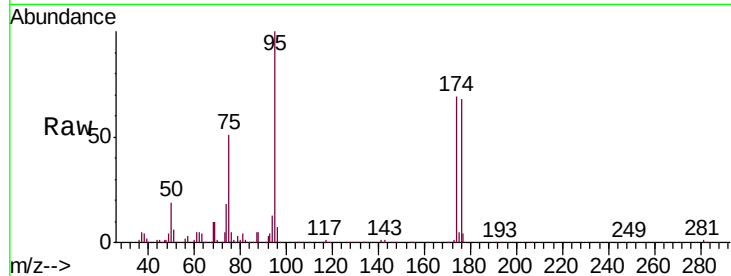
TP-4(3-4)

Tgt Ion: 75 Resp: 53839

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.122 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

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Tgt Ion: 75 Resp: 53839

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

