

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
 Data File : VY001882.D
 Acq On : 05 Mar 2020 15:20
 Operator : SY/MD
 Sample : L1778-26
 Misc : 6.47G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 06 04:38:34 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	130025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	256434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	199356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	62387	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	84425	60.82	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	121.64%	
35) Dibromofluoromethane	7.74	113	76552	54.67	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.34%	
50) Toluene-d8	10.19	98	295134	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.49	95	77275	37.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.28%	

Target Compounds

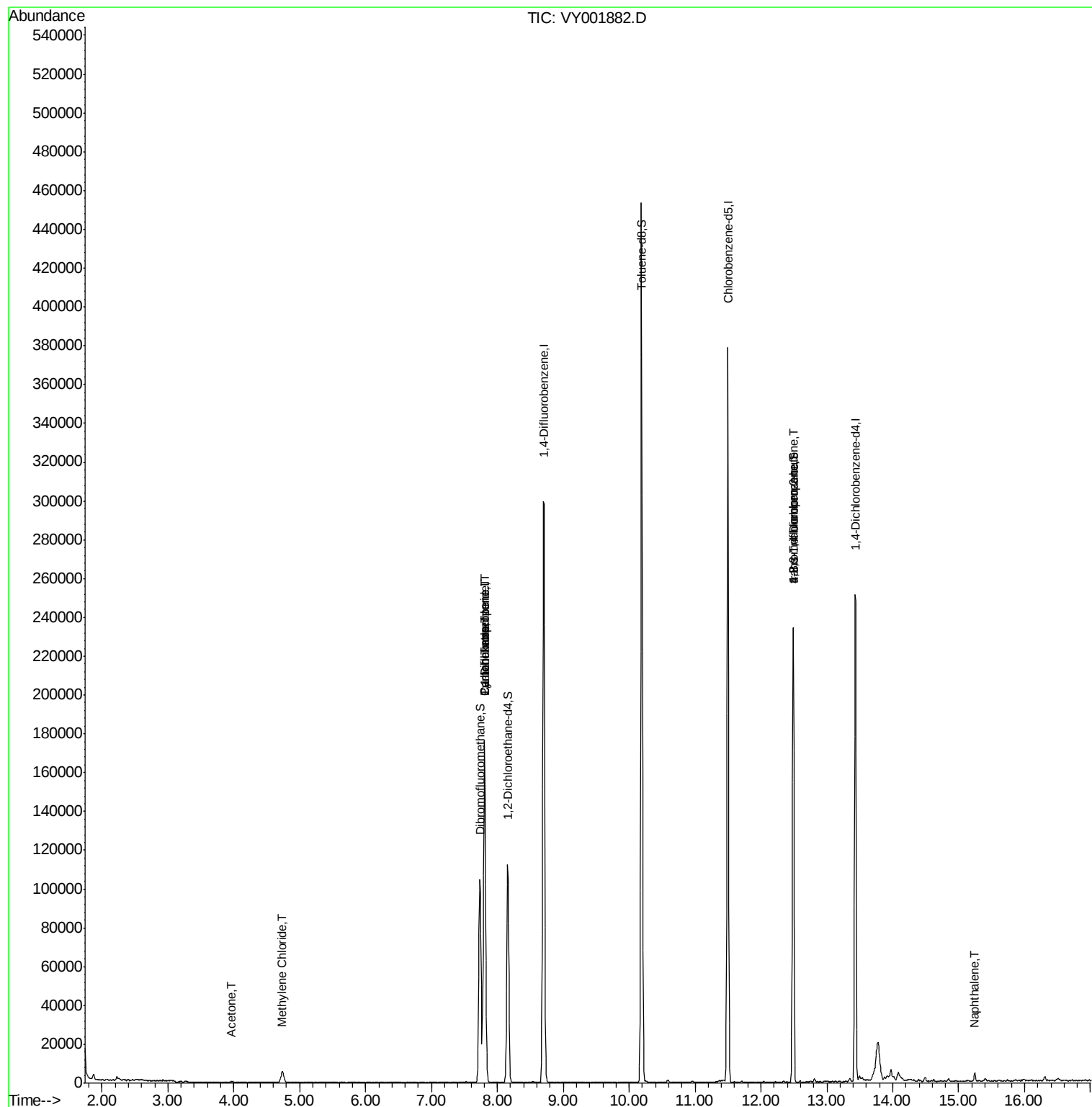
					Qvalue
5) Bromomethane	2.46	94	25	Below Cal	# 4
11) Tert butyl alcohol	4.98	59	46	Below Cal	# 74
16) Acetone	3.96	43	548	1.355	ug/l 96
20) Methylene Chloride	4.74	84	4250	2.453	ug/l # 93
31) Cyclohexane	7.80	56	3138	1.029	ug/l # 4
36) 1,1-Dichloropropene	7.80	75	11342	4.596	ug/l # 49
38) Carbon Tetrachloride	7.80	117	13672	6.486	ug/l # 16
58) 2-Chloroethyl Vinyl ether	9.90	63	19	Below Cal	# 48
76) 1,2,3-Trichloropropane	12.49	75	40435	54.622	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.49	75	40435	110.335	ug/l # 17
95) Naphthalene	15.24	128	3593	1.300	ug/l # 94

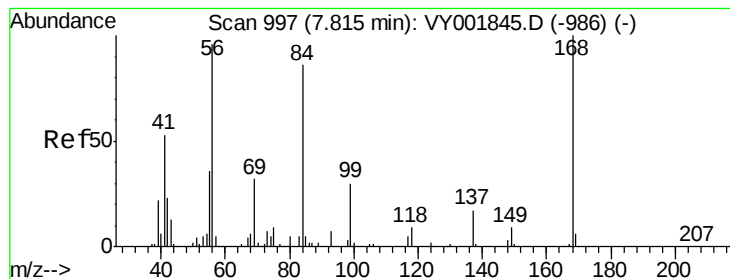
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
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: VY001882.D

Acq: 05 Mar 2020 15:20

Instrument :

MSVOA_Y

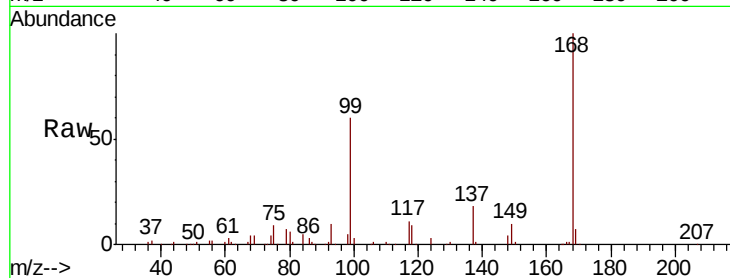
ClientSampled :

Tot Ion:168 Resp: 130025

Ion Ratio Lower Upper

168 100

99 59.9 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) (-)

7.81

60000

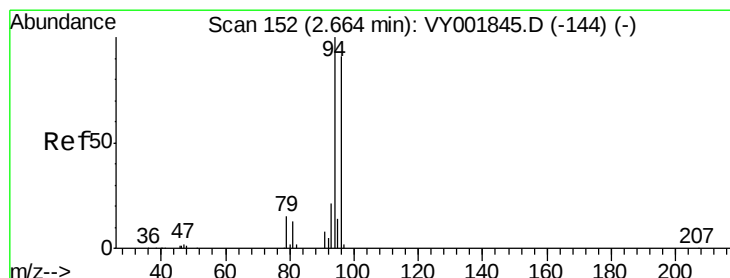
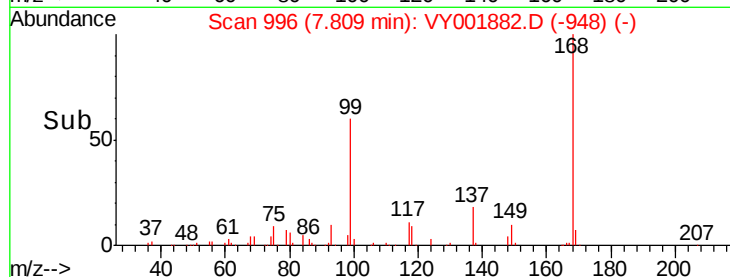
40000

20000

0

7.70 7.80 7.90

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.46 min Scan# 119

Delta R.T. -0.20 min

Lab File: VY001882.D

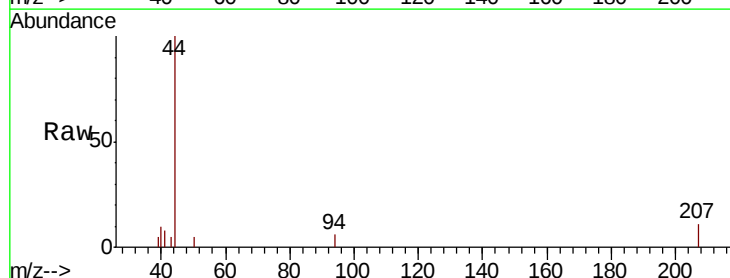
Acq: 05 Mar 2020 15:20

Tgt Ion: 94 Resp: 25

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) (-)

2.46

100

80

60

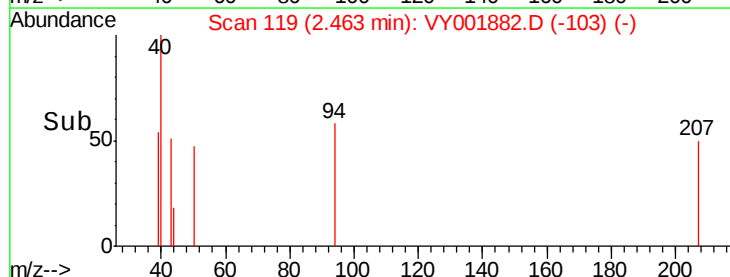
40

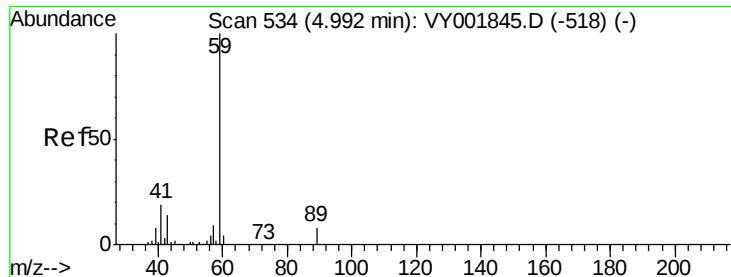
20

0

2.44 2.45 2.46 2.47 2.48

Time-->



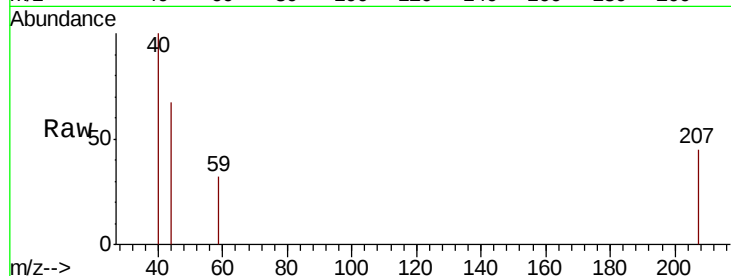


#11

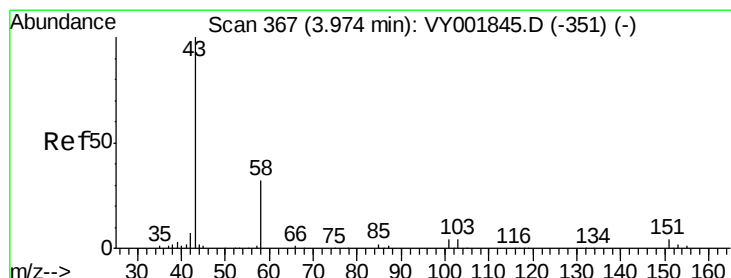
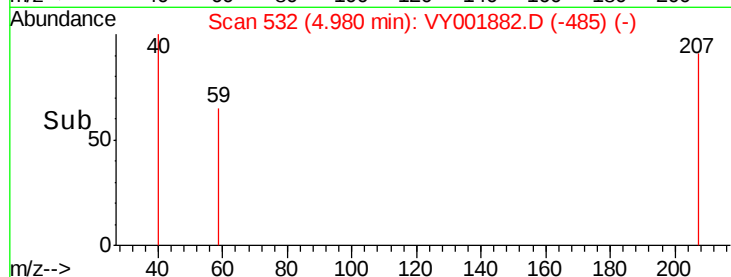
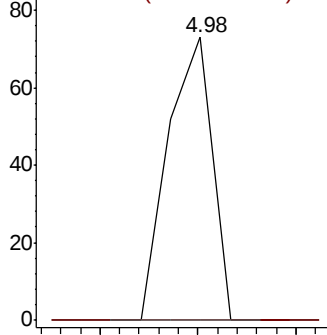
Tert butyl alcohol
 Concen: Below Cal
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY001882.D
 Acq: 05 Mar 2020 15:20

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 59 Resp: 46
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#



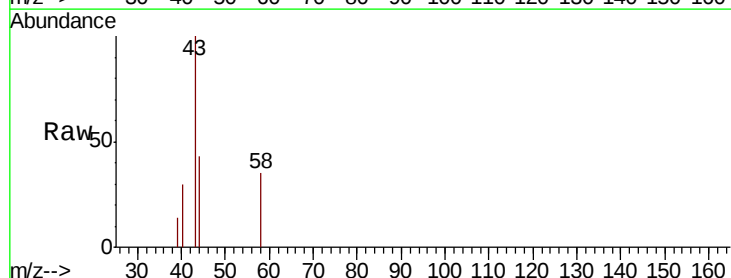
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



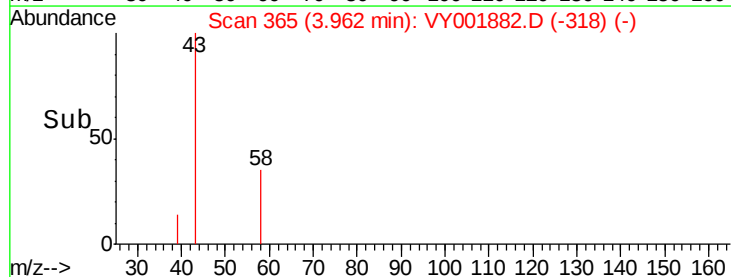
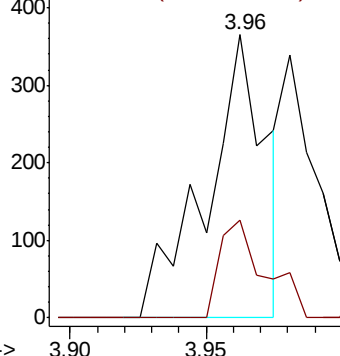
#16

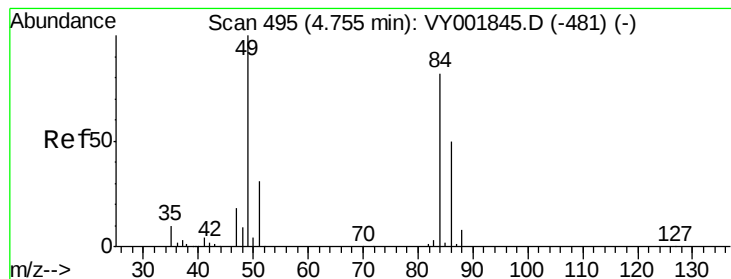
Acetone
 Concen: 1.355 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VY001882.D
 Acq: 05 Mar 2020 15:20

Tgt Ion: 43 Resp: 548
 Ion Ratio Lower Upper
 43 100
 58 34.5 25.9 38.9



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





#20

Methylene Chloride

Concen: 2.453 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.02 min

Lab File: VY001882.D

Acq: 05 Mar 2020 15:20

Instrument :

MSVOA_Y

ClientSampled :

Tot Ion: 84 Resp: 4250

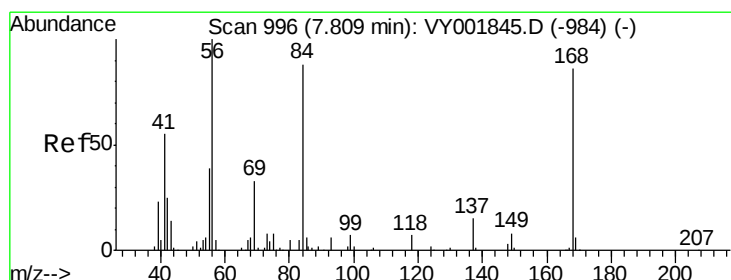
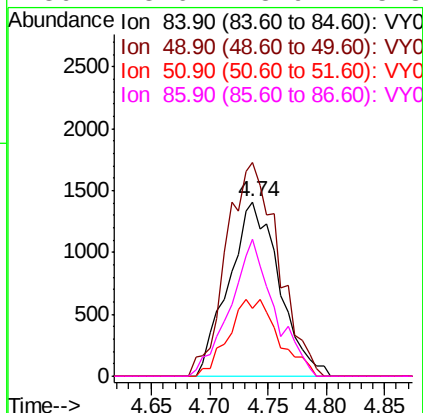
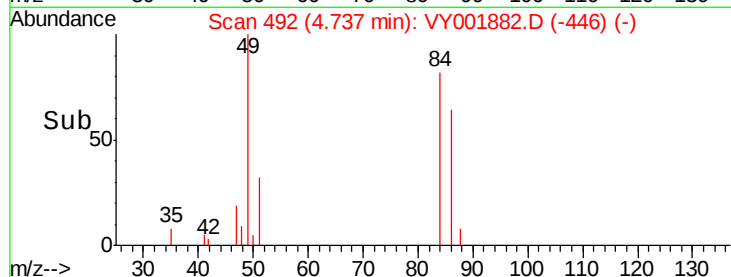
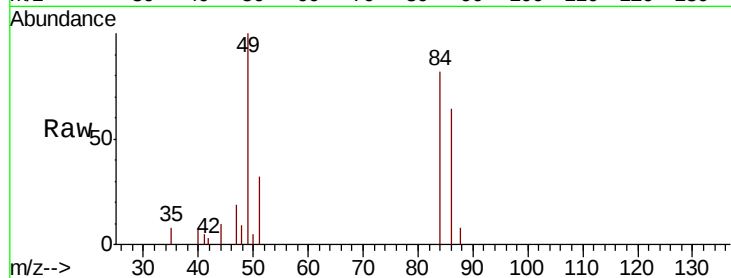
Ion Ratio Lower Upper

84 100

49 122.5 98.2 147.2

51 39.0 30.2 45.2

86 78.6 48.9 73.3#



#31

Cyclohexane

Concen: 1.029 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001882.D

Acq: 05 Mar 2020 15:20

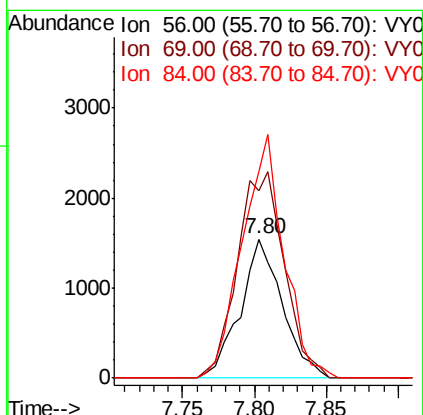
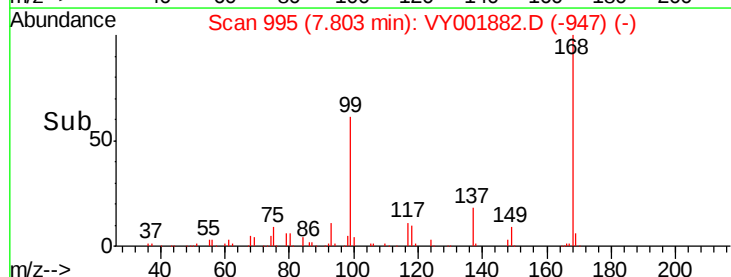
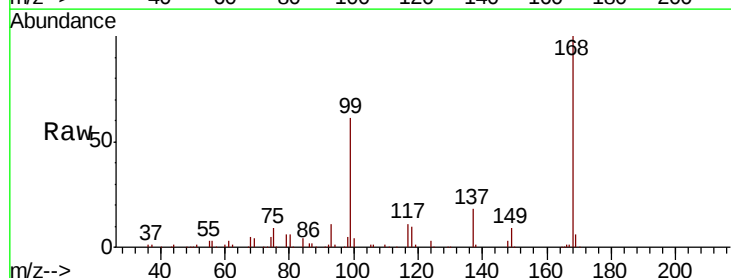
Tgt Ion: 56 Resp: 3138

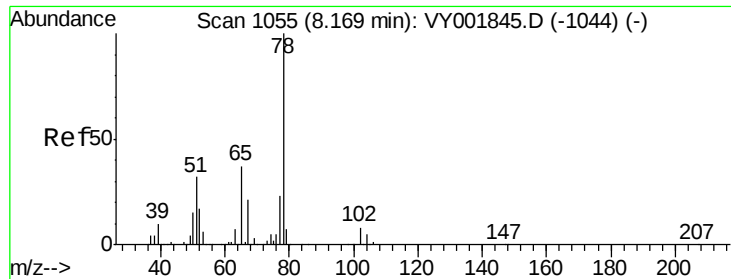
Ion Ratio Lower Upper

56 100

69 134.3 26.7 40.1#

84 148.7 70.4 105.6#

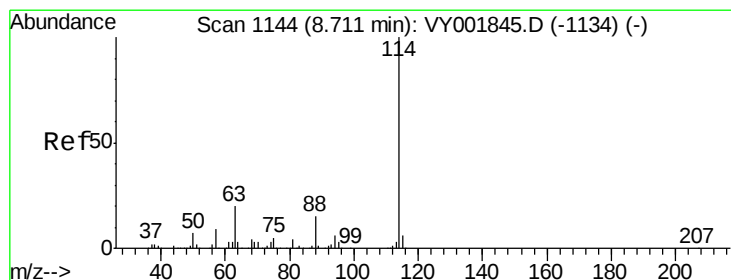
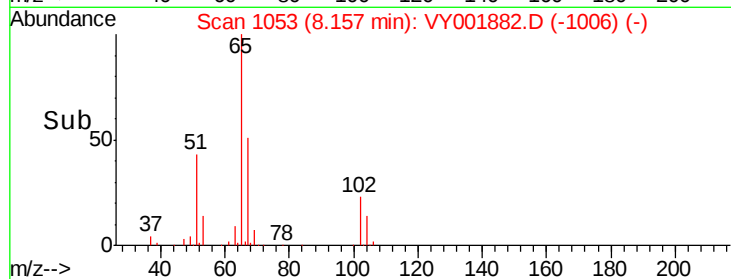
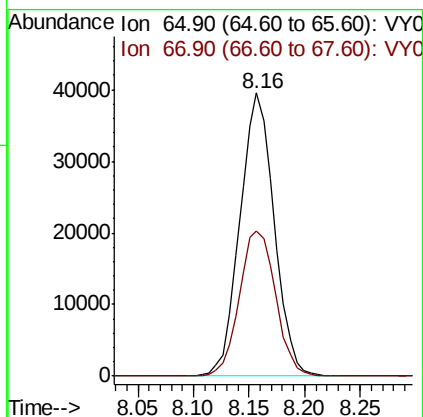
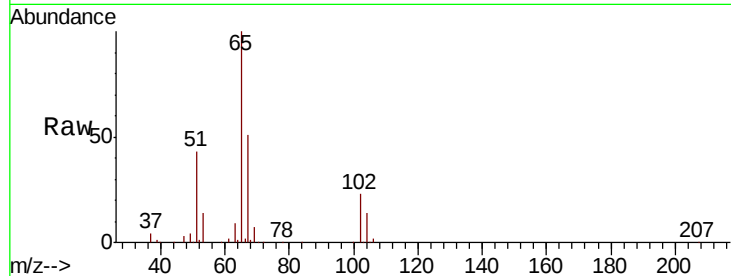




#33
 1,2-Dichloroethane-d4
 Concen: 60.820 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001882.D
 Acq: 05 Mar 2020 15:20

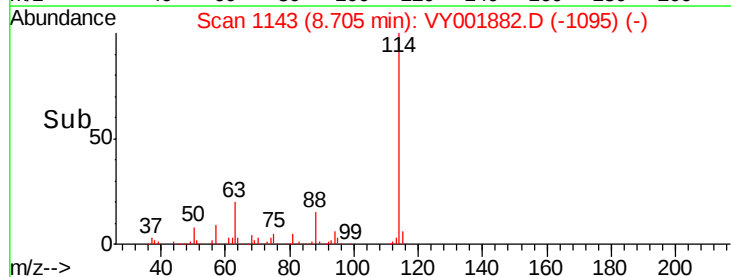
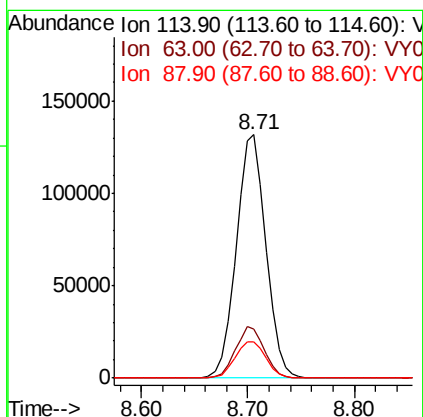
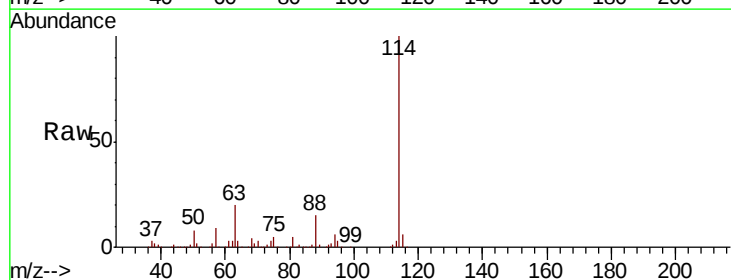
Instrument :
 MSVOA_Y
 ClientSampleId :

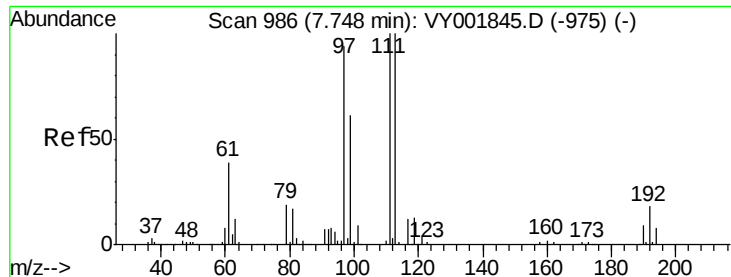
Tot Ion: 65 Resp: 84425
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001882.D
 Acq: 05 Mar 2020 15:20

Tgt Ion: 114 Resp: 256434
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.4
 88 14.9 0.0 30.4

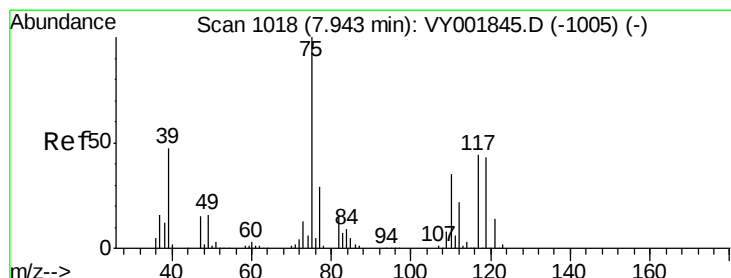
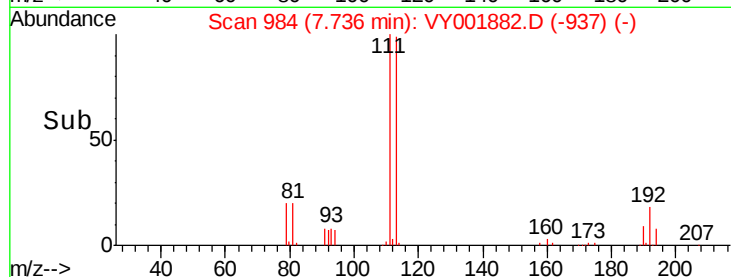
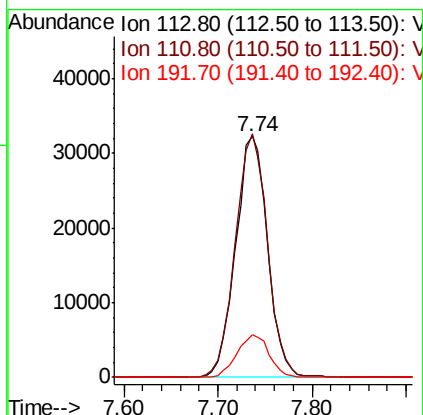
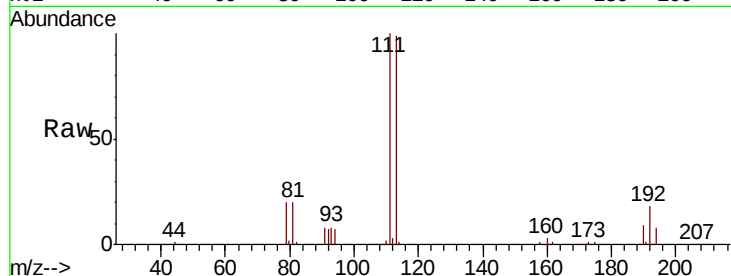




#35
 Dibromofluoromethane
 Concen: 54.670 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001882.D
 Acq: 05 Mar 2020 15:20

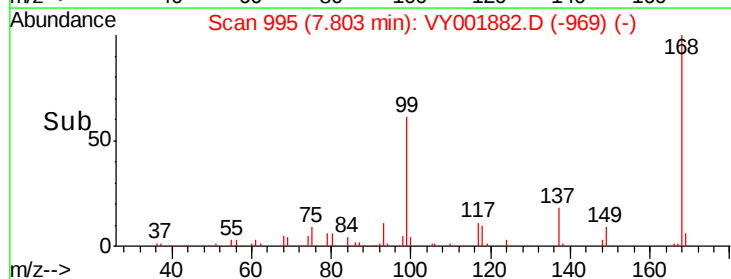
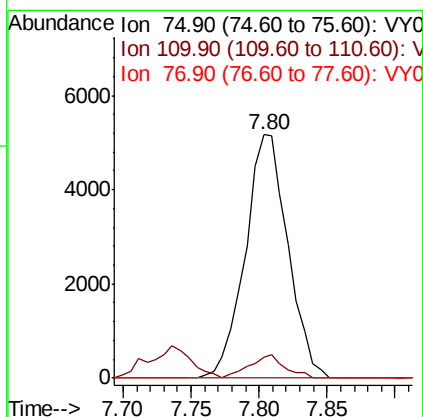
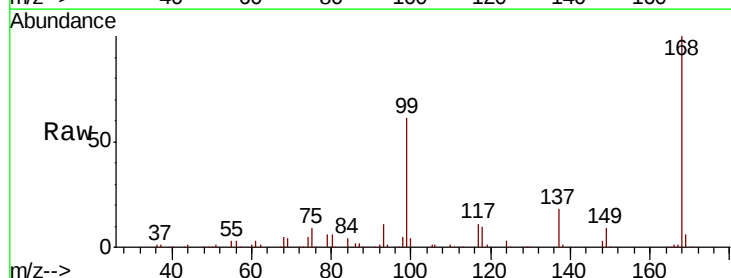
Instrument :
 MSVOA_Y
 ClientSampleId :

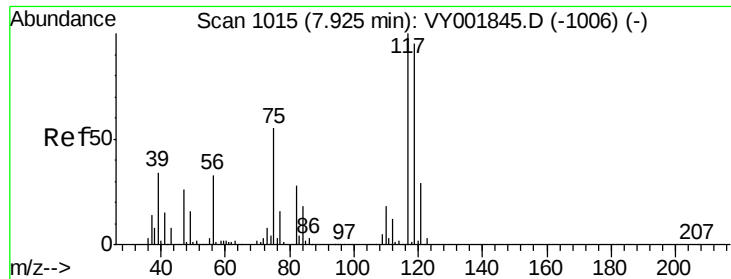
Tot Ion:113 Resp: 76552
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.8 122.8
 192 17.7 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.596 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY001882.D
 Acq: 05 Mar 2020 15:20

Tgt Ion: 75 Resp: 11342
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.4 52.2#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.486 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY001882.D

Acq: 05 Mar 2020 15:20

Instrument :

MSVOA_Y

ClientSampleId :

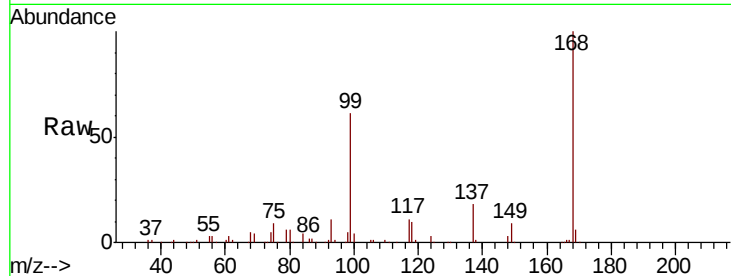
Tot Ion:117 Resp: 13672

Ion Ratio Lower Upper

117 100

119 5.2 76.3 114.5#

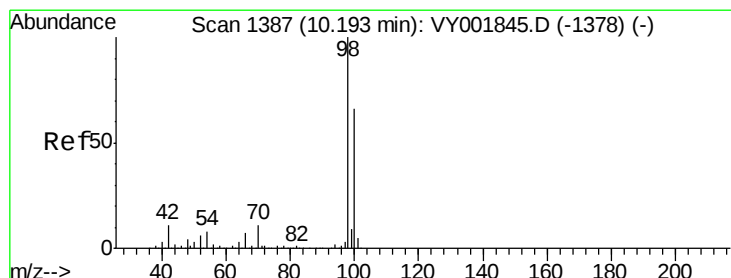
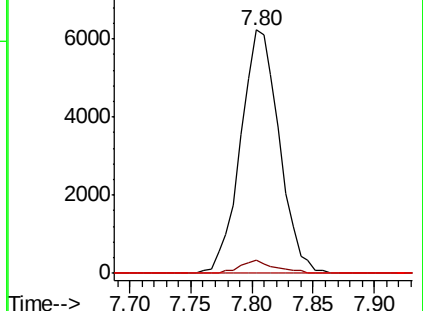
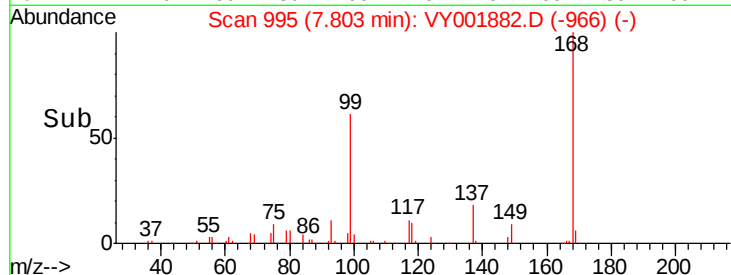
121 0.0 23.5 35.3#



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



#50

Toluene-d8

Concen: 49.984 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001882.D

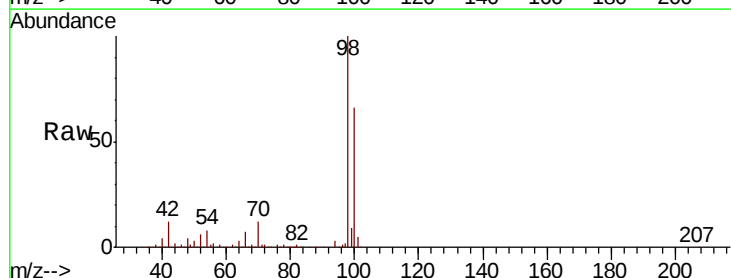
Acq: 05 Mar 2020 15:20

Tgt Ion: 98 Resp: 295134

Ion Ratio Lower Upper

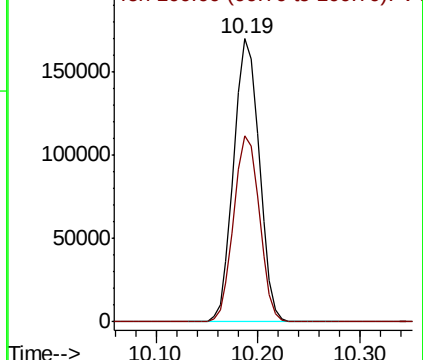
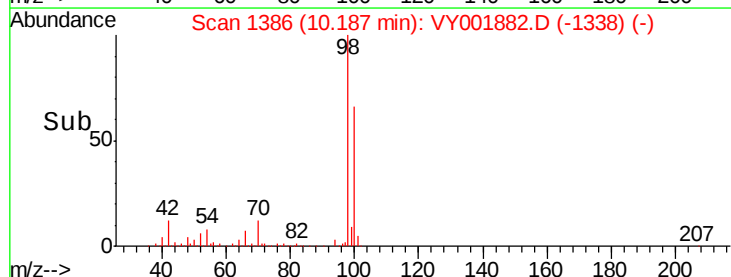
98 100

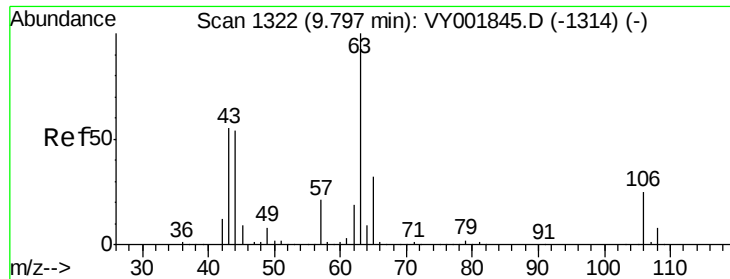
100 66.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

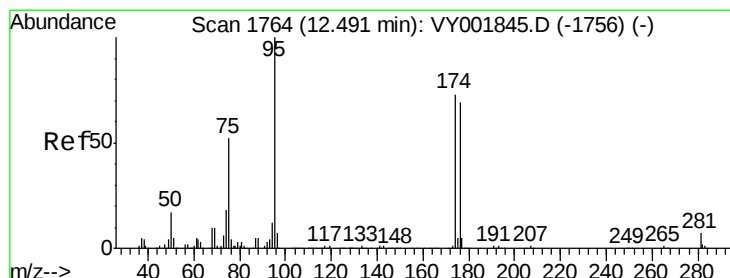
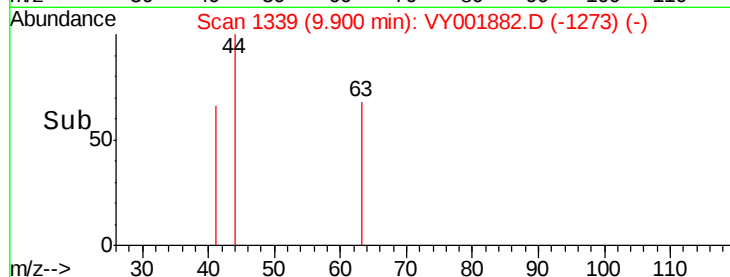
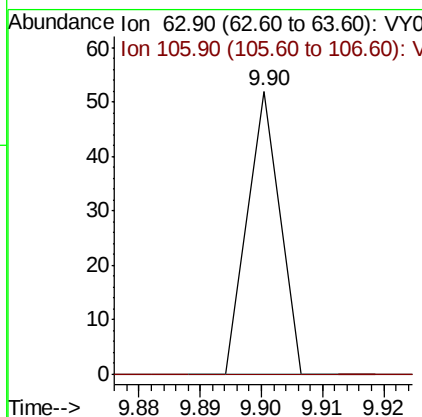
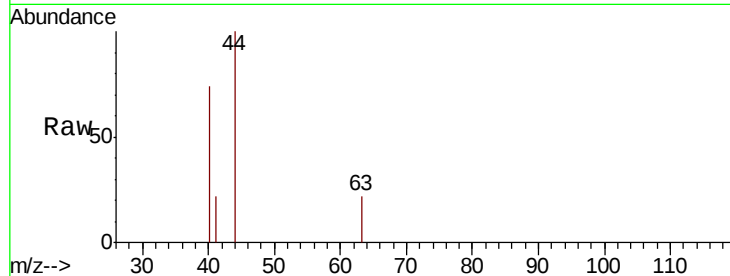




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.90 min Scan# 1339
Delta R.T. 0.10 min
Lab File: VY001882.D
Acq: 05 Mar 2020 15:20

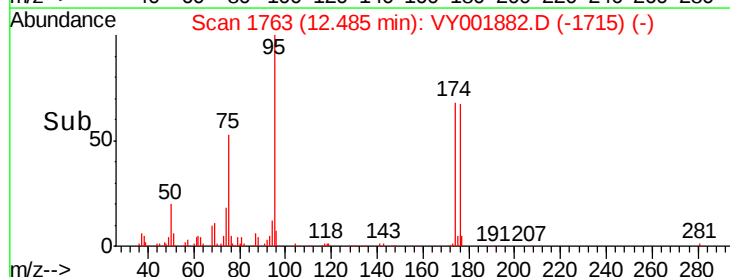
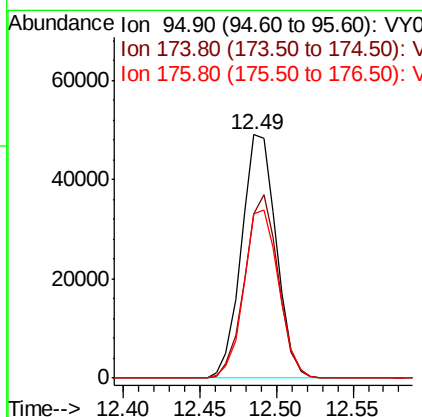
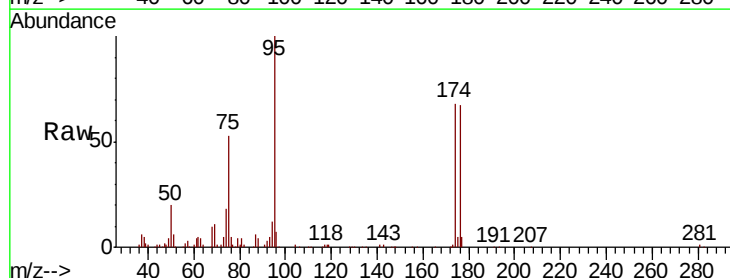
Instrument :
MSVOA_Y
ClientSampleId :

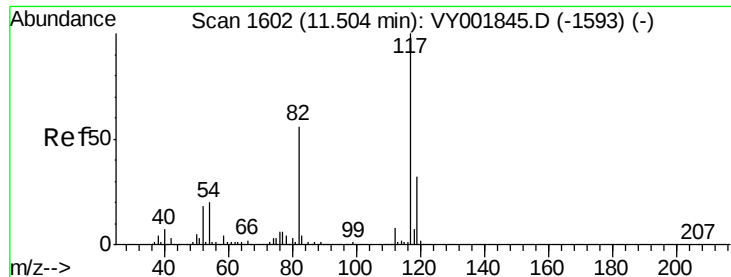
Tot Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 21.3 31.9#



#62
4-Bromofluorobenzene
Concen: 37.638 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001882.D
Acq: 05 Mar 2020 15:20

Tgt Ion: 95 Resp: 77275
Ion Ratio Lower Upper
95 100
174 72.6 0.0 145.0
176 69.4 0.0 137.4

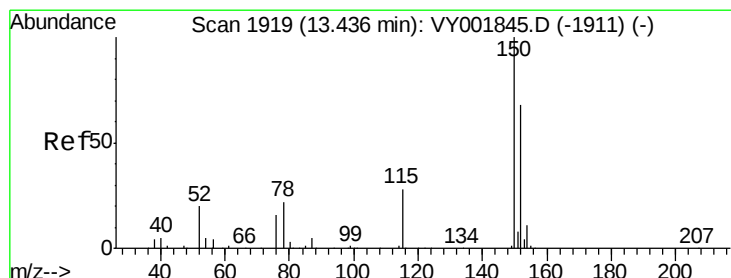
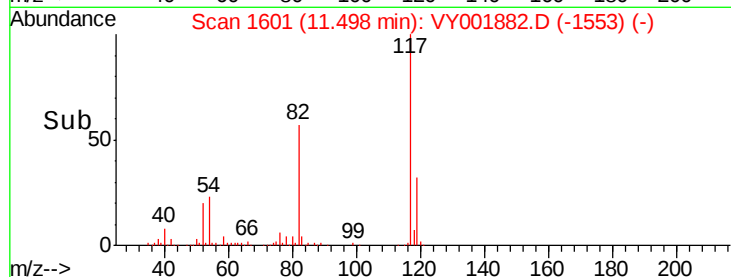
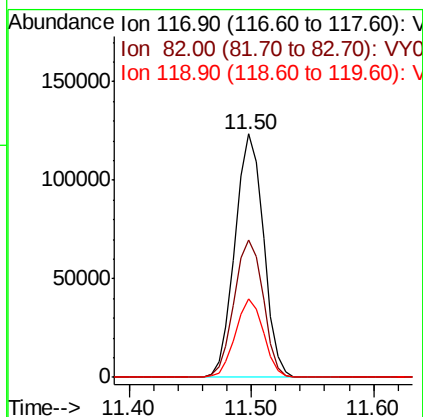
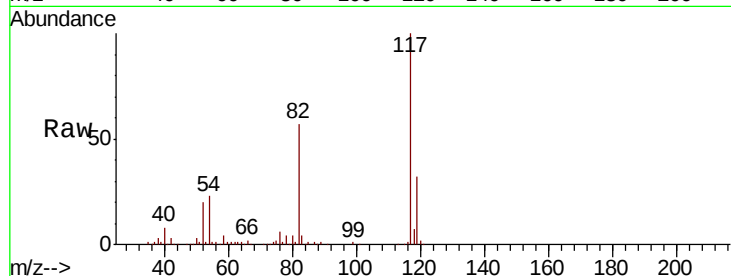




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001882.D
Acq: 05 Mar 2020 15:20

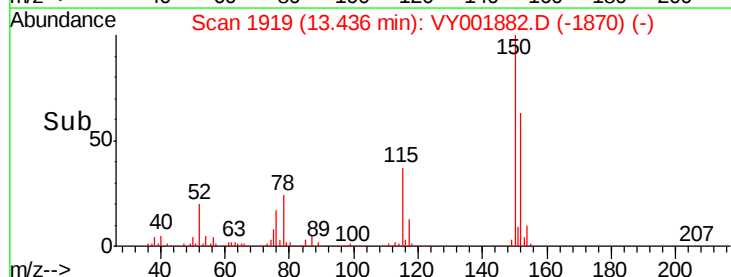
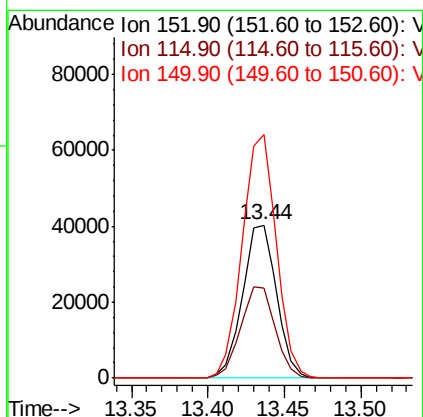
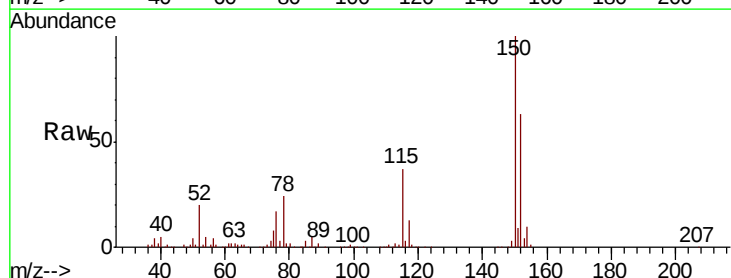
Instrument :
MSVOA_Y
ClientSampleId :

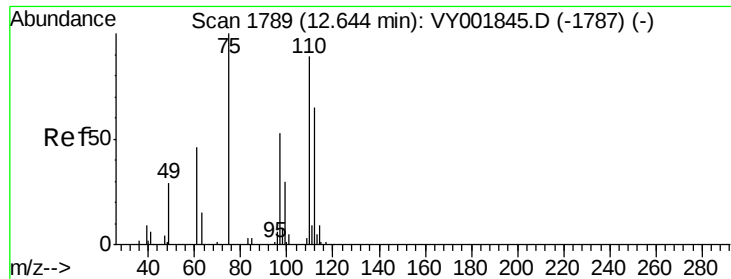
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.5	66.7
119	32.2	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001882.D
Acq: 05 Mar 2020 15:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	29.9	89.7
150	158.9	0.0	340.6

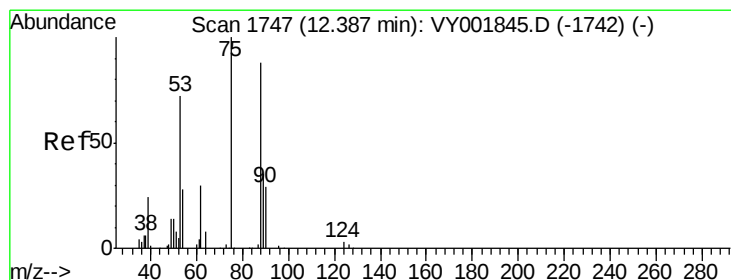
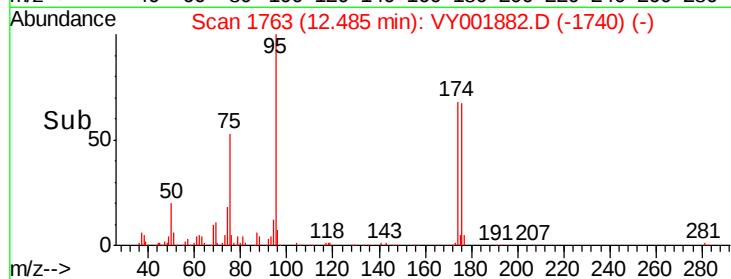
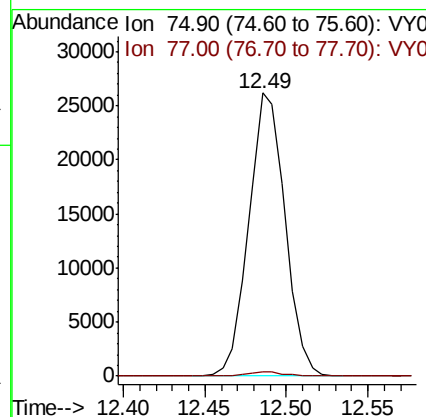
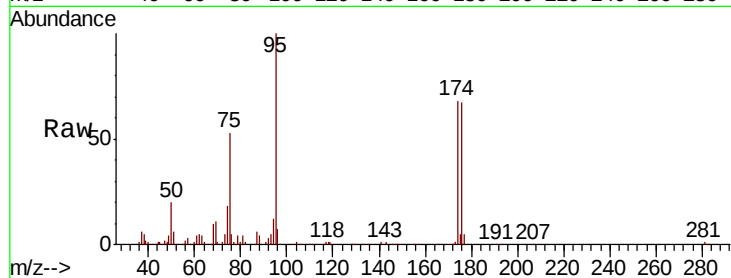




#76
 1,2,3-Trichloropropane
 Concen: 54.622 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.16 min
 Lab File: VY001882.D
 Acq: 05 Mar 2020 15:20

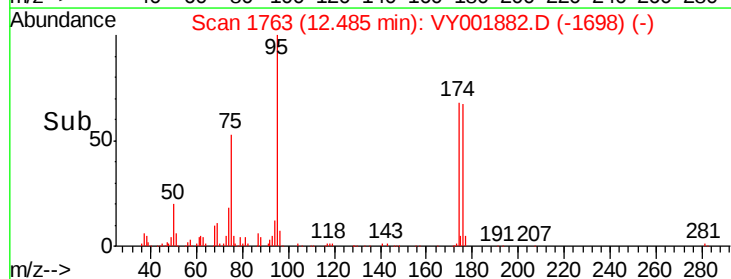
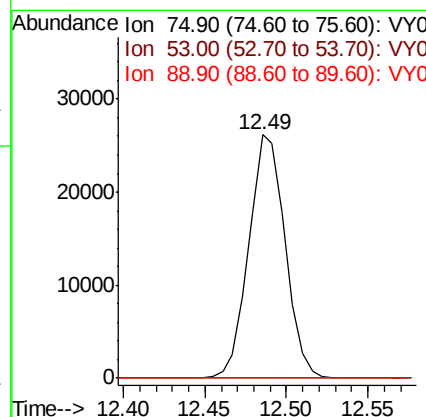
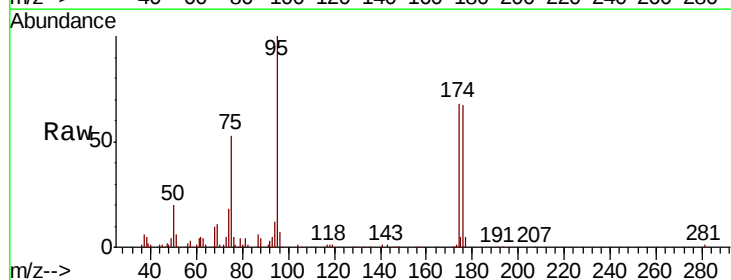
Instrument :
 MSVOA_Y
 ClientSampleId :

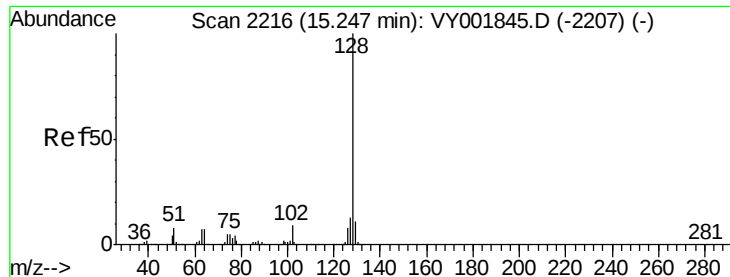
Tot Ion: 75 Resp: 40435
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.335 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.10 min
 Lab File: VY001882.D
 Acq: 05 Mar 2020 15:20

Tgt Ion: 75 Resp: 40435
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.4 98.0#
 89 0.0 36.0 54.0#

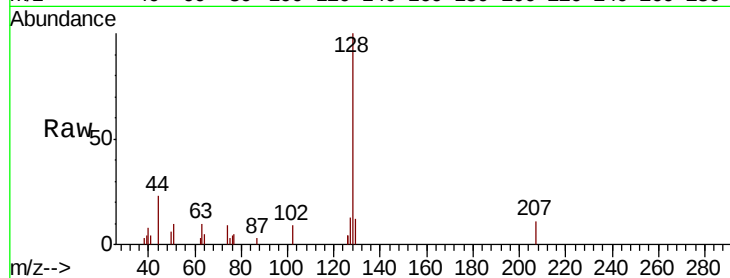




#95
Naphthalene
Concen: 1.300 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY001882.D
Acq: 05 Mar 2020 15:20

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.1	15.1#
129	12.4	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

