

Data File : VY001986.D
Acq On : 16 Mar 2020 16:43
Operator : SY/MD
Sample : L1759-11
Misc : 7.97G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-031620

Quant Time: Mar 17 08:07:36 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	7.82	168	137306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	264759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	238534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	101454	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	83647	57.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.12%	
35) Dibromofluoromethane	7.74	113	76465	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
50) Toluene-d8	10.19	98	318710	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.49	95	107886	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	

Target Compounds

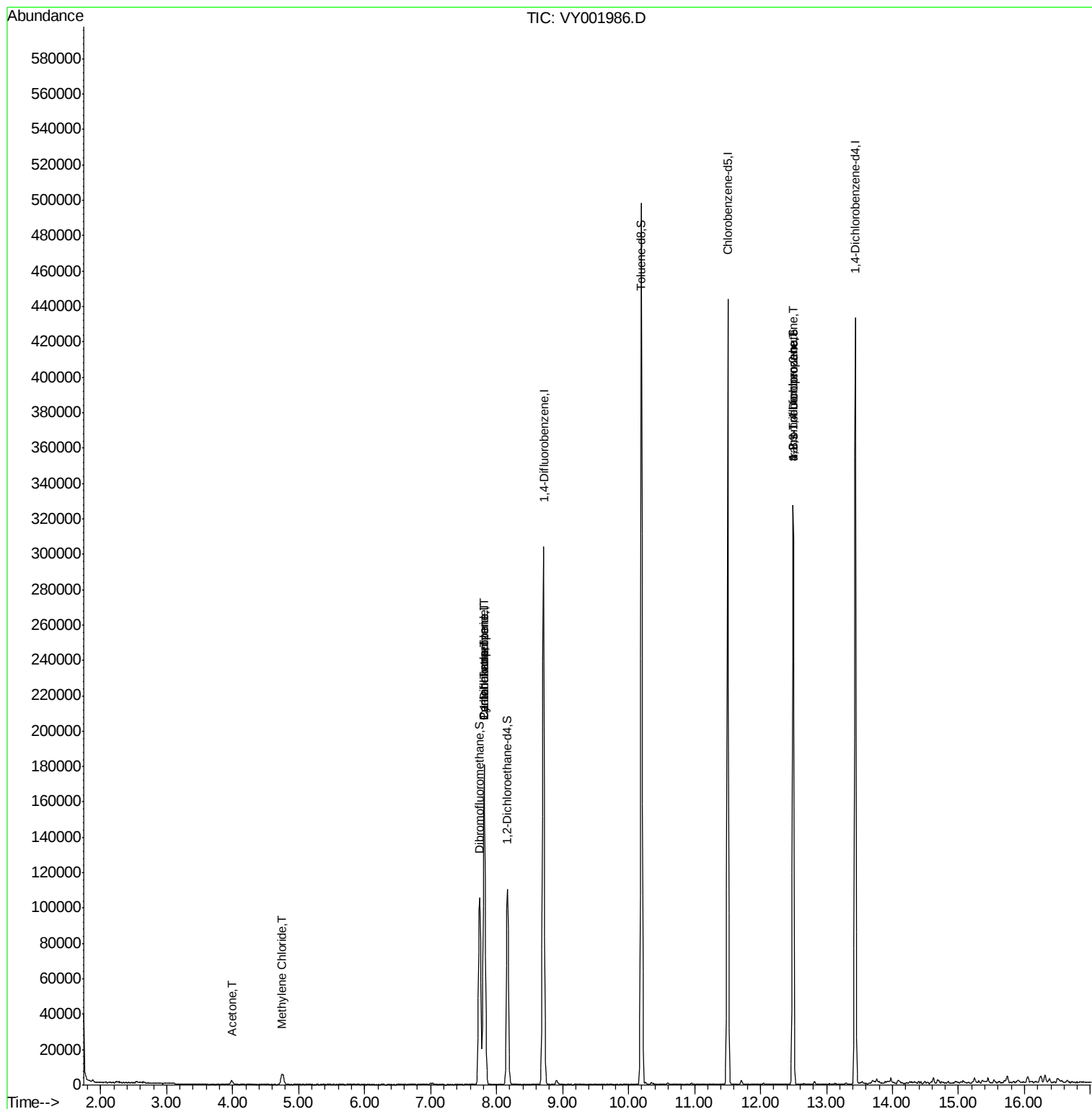
						Qvalue
5) Bromomethane	2.54	94	20	Below Cal	#	4
11) Tert butyl alcohol	4.99	59	47	Below Cal	#	74
16) Acetone	3.98	43	3936	9.219	ug/l	99
20) Methylene Chloride	4.75	84	4897	2.676	ug/l	84
31) Cyclohexane	7.81	56	3327	1.033	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	11577	4.544	ug/l #	46
38) Carbon Tetrachloride	7.82	117	13895	6.384	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	55148	45.811	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	55148	92.536	ug/l #	17

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001986.D

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Instrument :

MSVOA_Y

ClientSampleId :

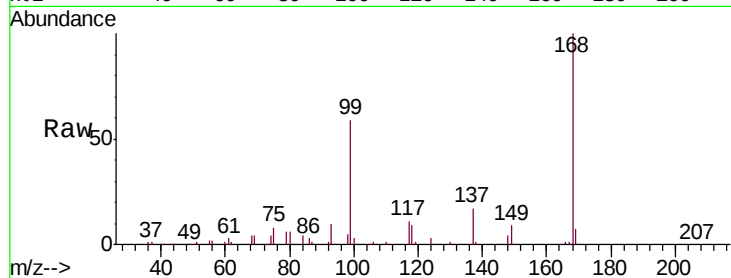
OR-02-031620

Tgt Ion:168 Resp: 137306

Ion Ratio Lower Upper

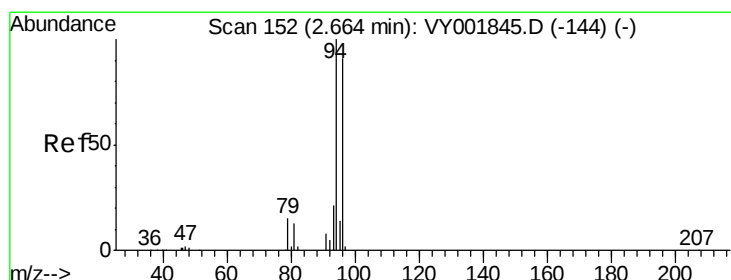
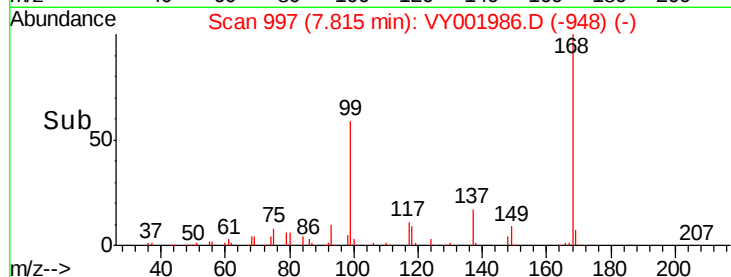
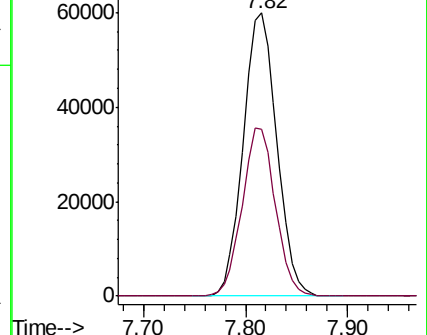
168 100

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: 2.54 min Scan# 132

Delta R.T. -0.12 min

Lab File: VY001986.D

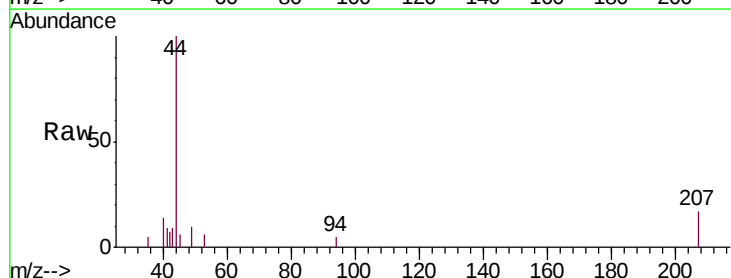
Acq: 16 Mar 2020 16:43

Tgt Ion: 94 Resp: 20

Ion Ratio Lower Upper

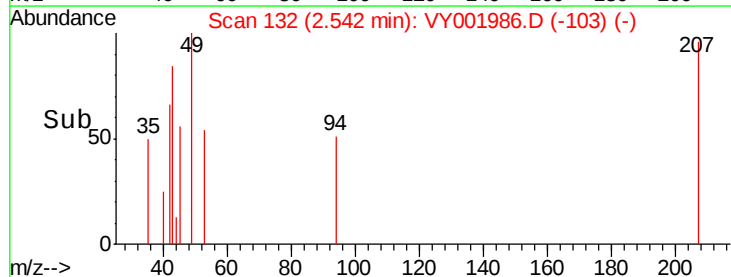
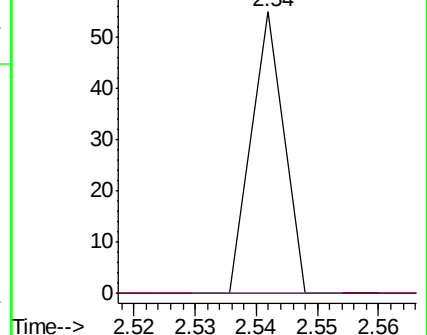
94 100

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) (-)



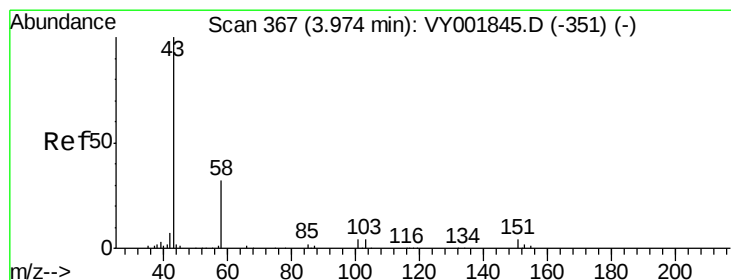
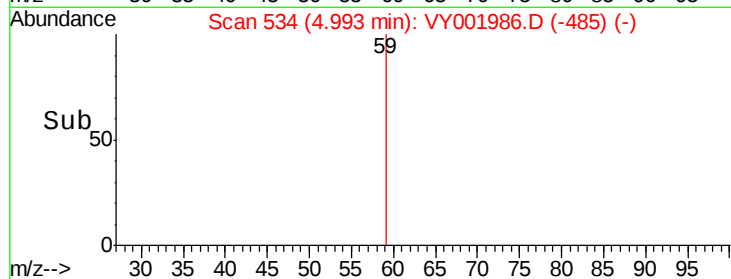
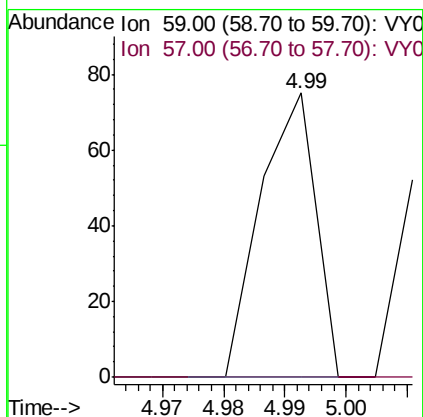
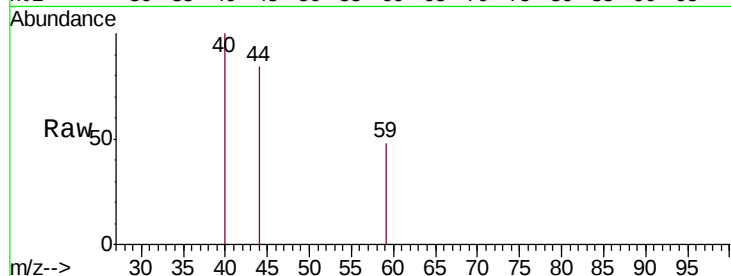


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.99 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VY001986.D
 Acq: 16 Mar 2020 16:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-031620

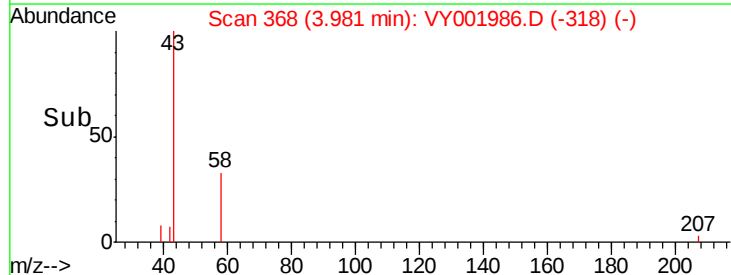
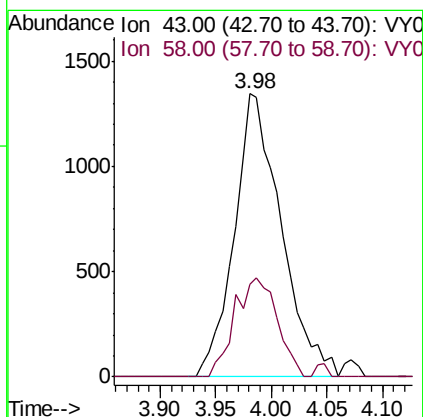
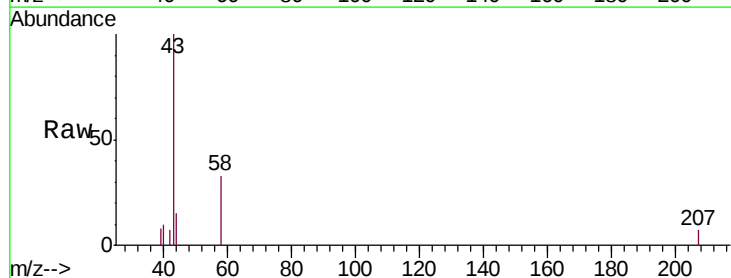
Tgt Ion: 59 Resp: 47
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

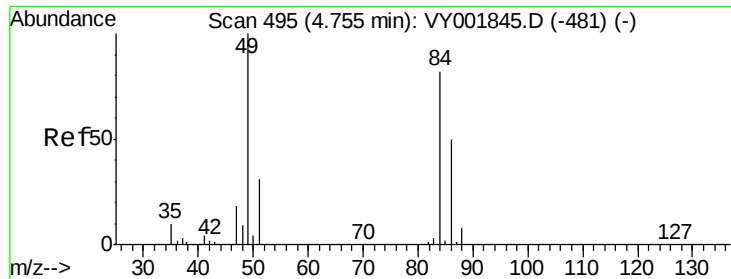


#16

Acetone
 Concen: 9.219 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VY001986.D
 Acq: 16 Mar 2020 16:43

Tgt Ion: 43 Resp: 3936
 Ion Ratio Lower Upper
 43 100
 58 32.8 25.9 38.9

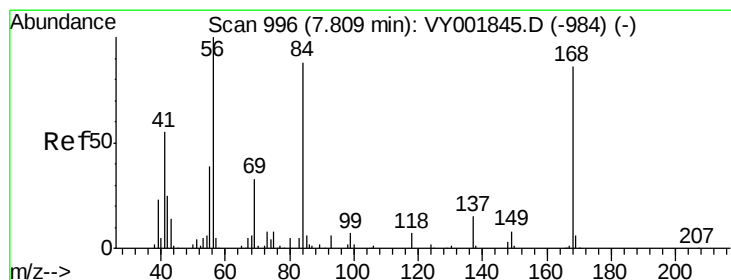
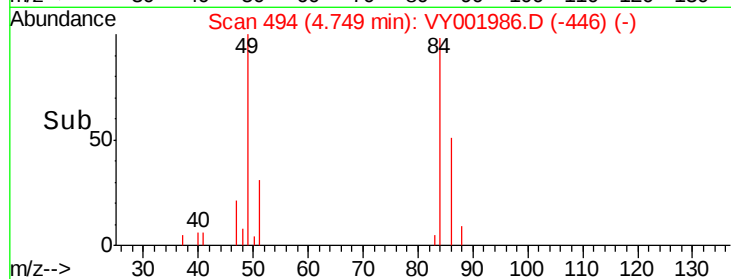
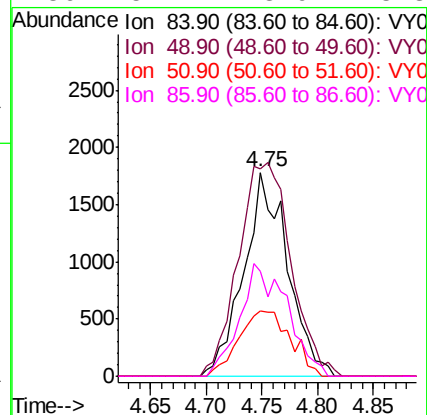
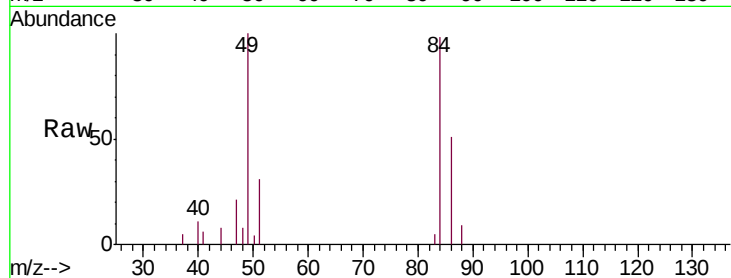




#20
Methylene Chloride
Concen: 2.676 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY001986.D
Acq: 16 Mar 2020 16:43

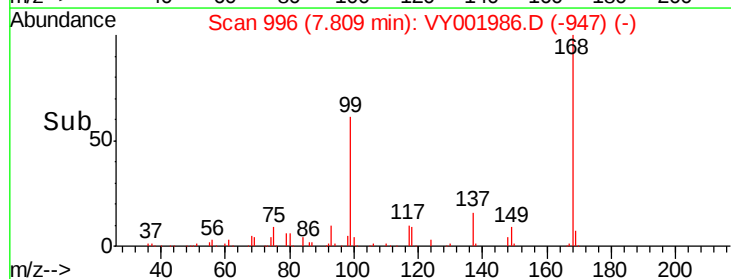
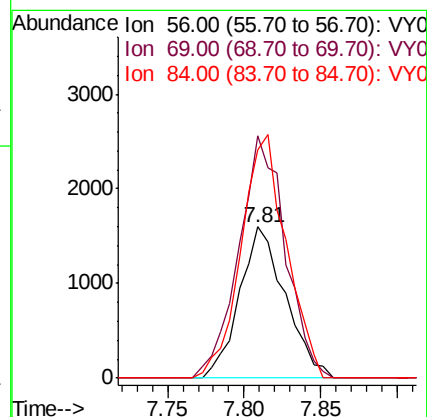
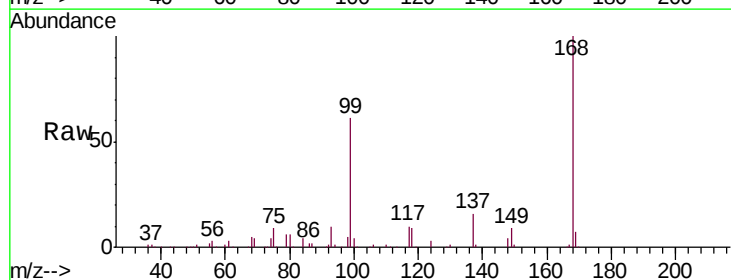
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-031620

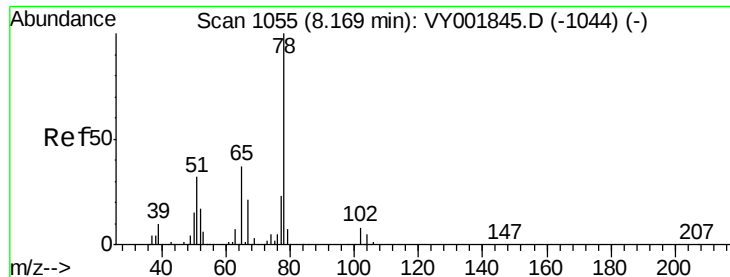
Tgt Ion:	84	Resp:	4897
Ion	Ratio	Lower	Upper
84	100		
49	101.6	98.2	147.2
51	31.9	30.2	45.2
86	51.4	48.9	73.3



#31
Cyclohexane
Concen: 1.033 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001986.D
Acq: 16 Mar 2020 16:43

Tgt Ion:	56	Resp:	3327
Ion	Ratio	Lower	Upper
56	100		
69	160.3	26.7	40.1#
84	150.9	70.4	105.6#

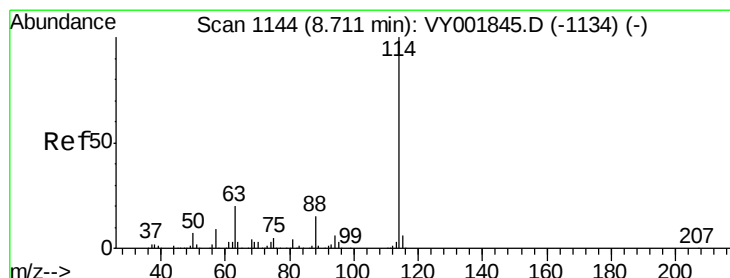
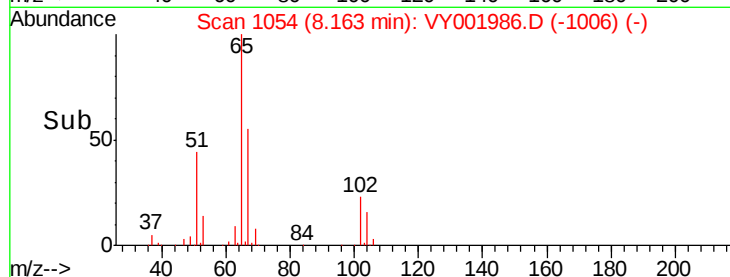
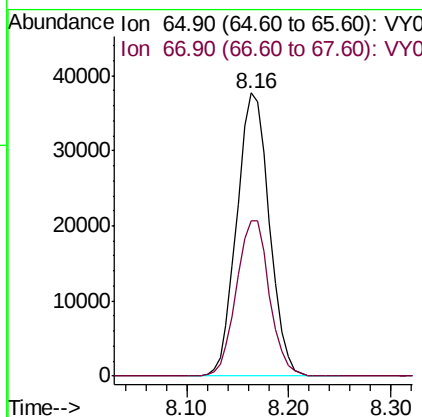
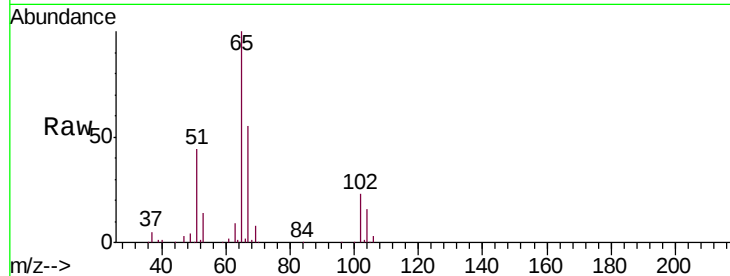




#33
 1,2-Dichloroethane-d4
 Concen: 57.064 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001986.D
 Acq: 16 Mar 2020 16:43

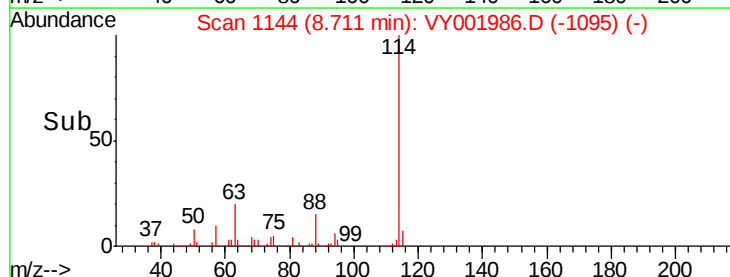
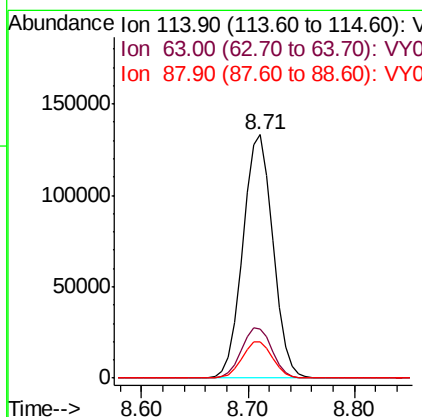
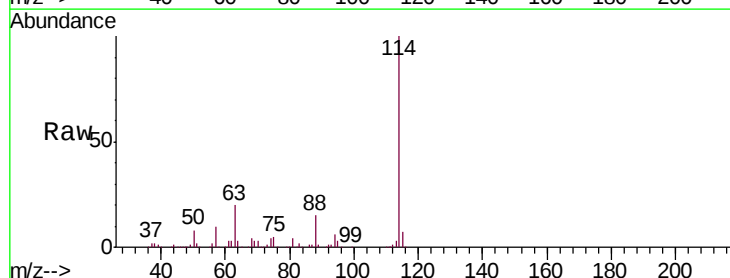
Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-031620

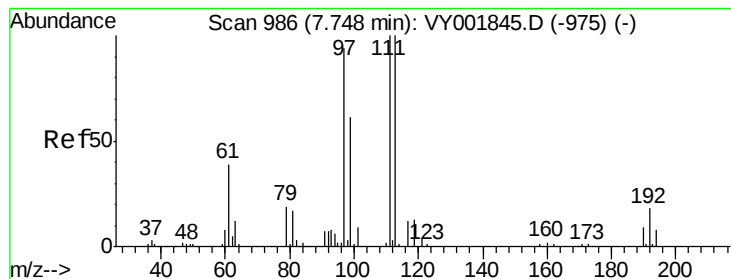
Tgt Ion: 65 Resp: 83647
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001986.D
 Acq: 16 Mar 2020 16:43

Tgt Ion: 114 Resp: 264759
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.4
 88 14.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.891 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001986.D

Acq: 16 Mar 2020 16:43

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-031620

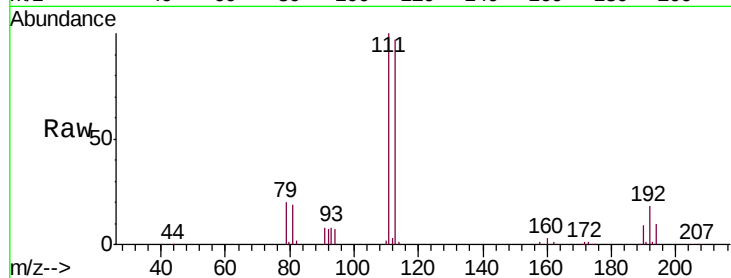
Tgt Ion:113 Resp: 76465

Ion Ratio Lower Upper

113 100

111 104.8 81.8 122.8

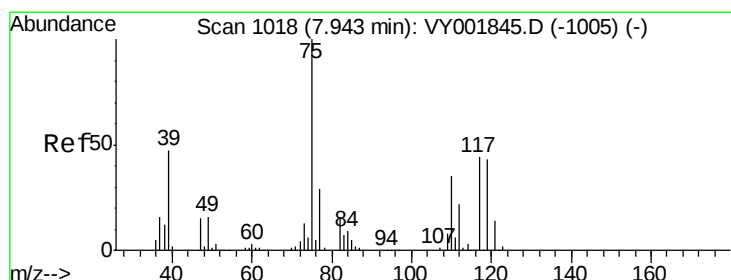
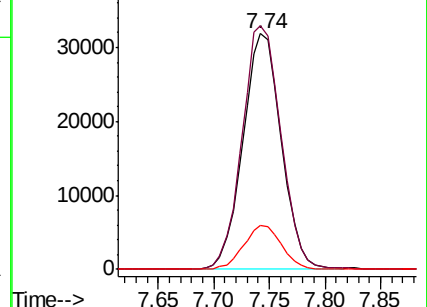
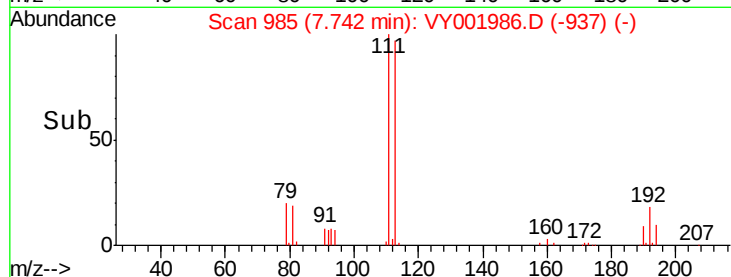
192 18.4 14.2 21.2



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: 4.544 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY001986.D

Acq: 16 Mar 2020 16:43

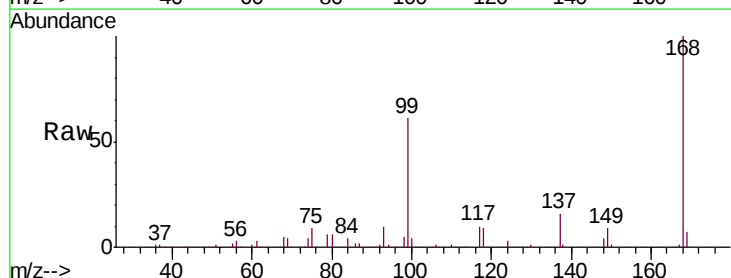
Tgt Ion: 75 Resp: 11577

Ion Ratio Lower Upper

75 100

110 4.1 17.4 52.2#

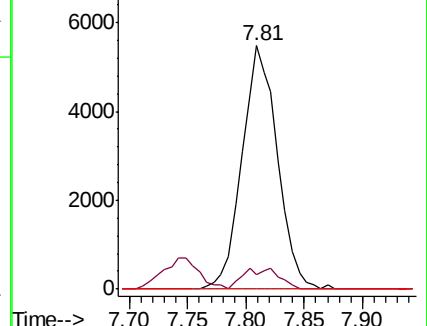
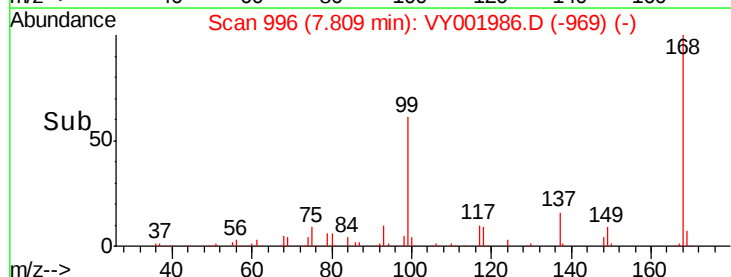
77 0.0 24.2 36.2#

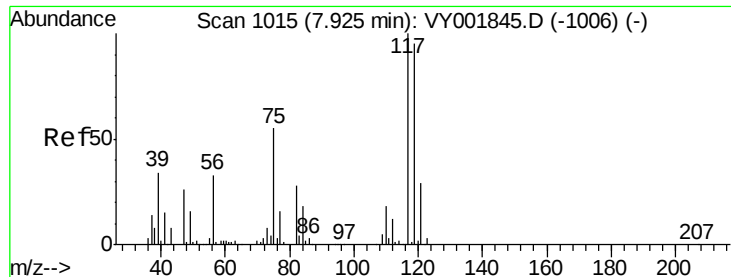


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

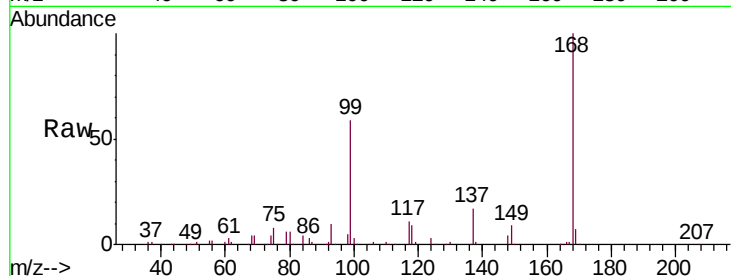




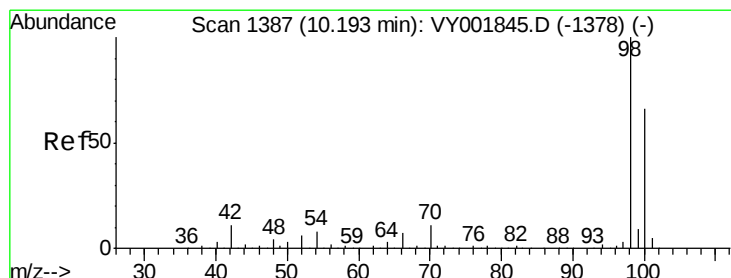
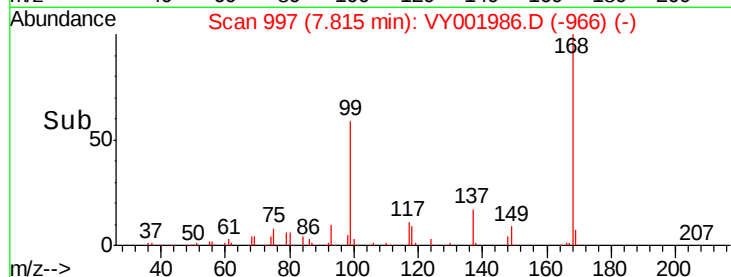
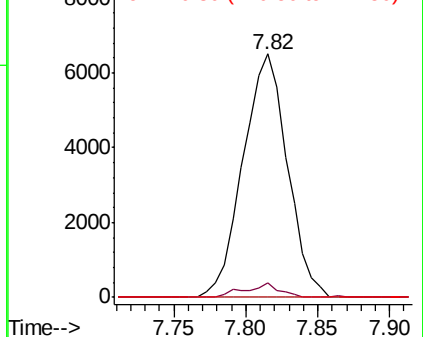
#38
Carbon Tetrachloride
Concen: 6.384 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY001986.D
Acq: 16 Mar 2020 16:43

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-031620

Tgt Ion:117 Resp: 13895
Ion Ratio Lower Upper
117 100
119 6.1 76.3 114.5#
121 0.0 23.5 35.3#

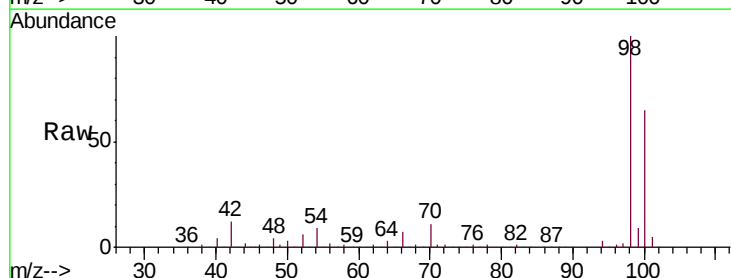


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

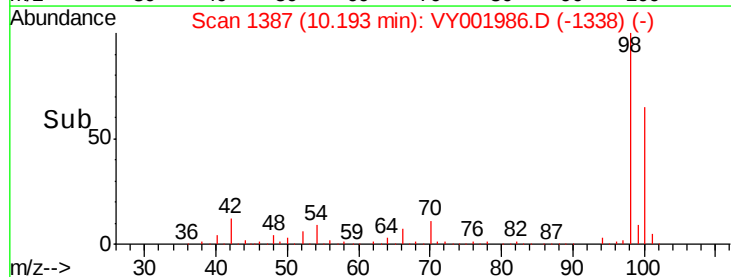
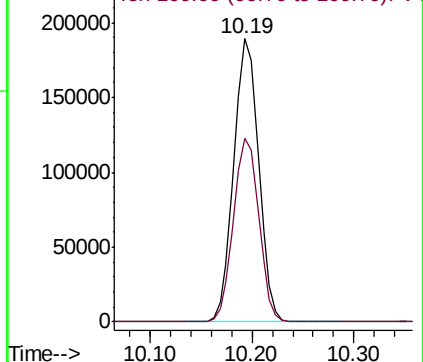


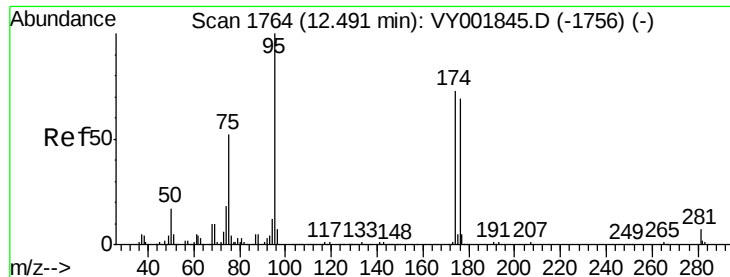
#50
Toluene-d8
Concen: 52.279 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001986.D
Acq: 16 Mar 2020 16:43

Tgt Ion: 98 Resp: 318710
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

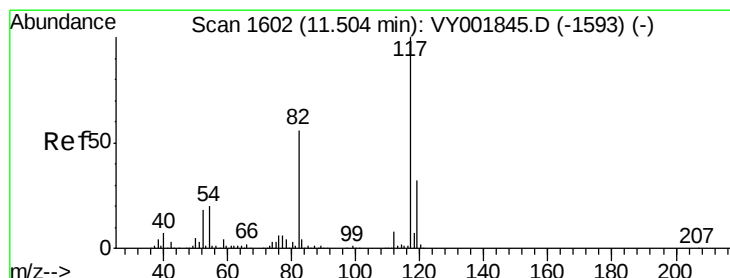
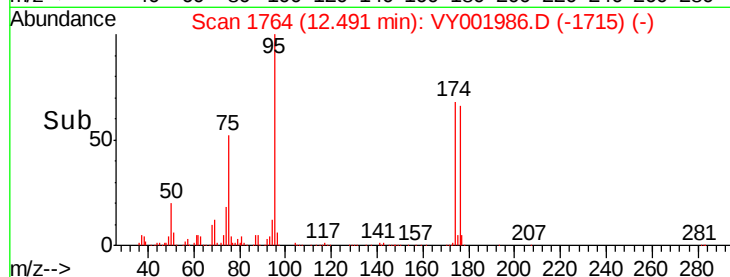
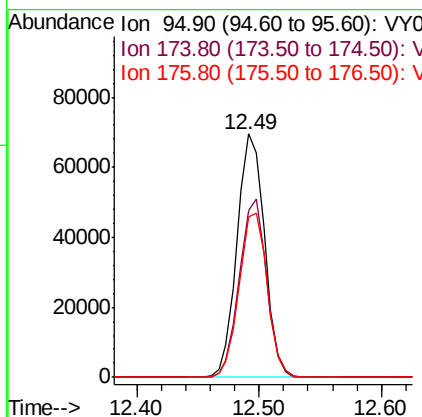
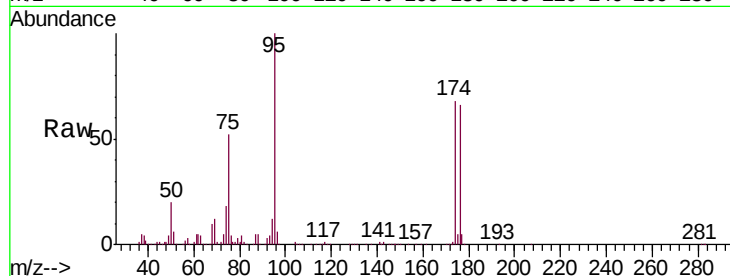




#62
4-Bromofluorobenzene
Concen: 50.896 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001986.D
Acq: 16 Mar 2020 16:43

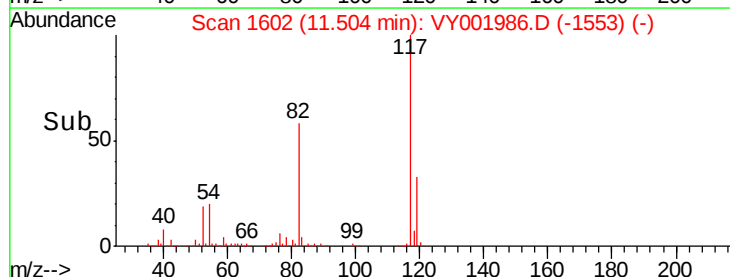
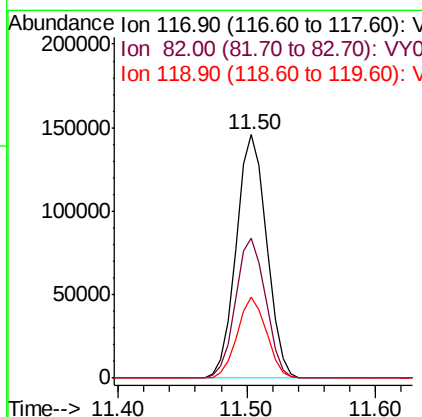
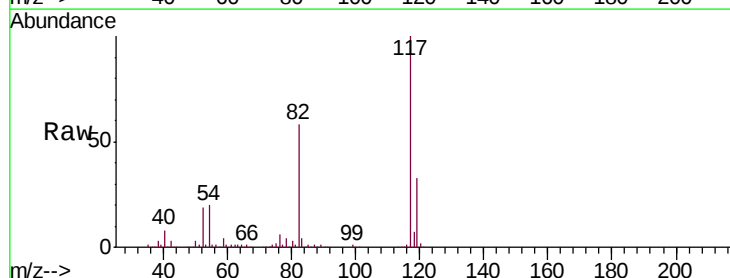
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-031620

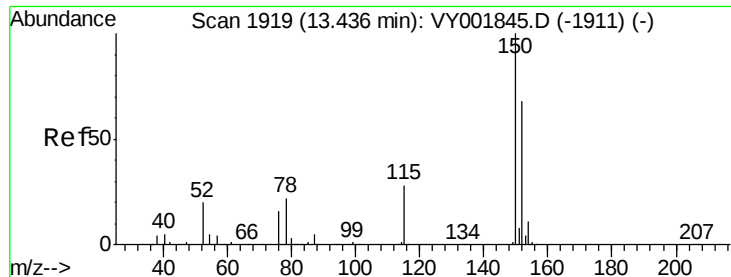
Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	145.0
176	69.4	0.0	137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001986.D
Acq: 16 Mar 2020 16:43

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.6	44.5	66.7
119	33.3	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: VY001986.D

Acq: 16 Mar 2020 16:43

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-031620

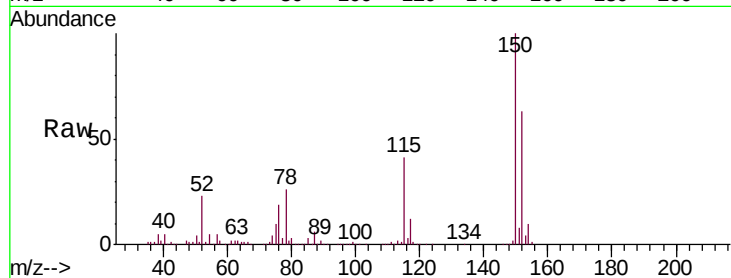
Tgt Ion:152 Resp: 101454

Ion Ratio Lower Upper

152 100

115 61.7 29.9 89.7

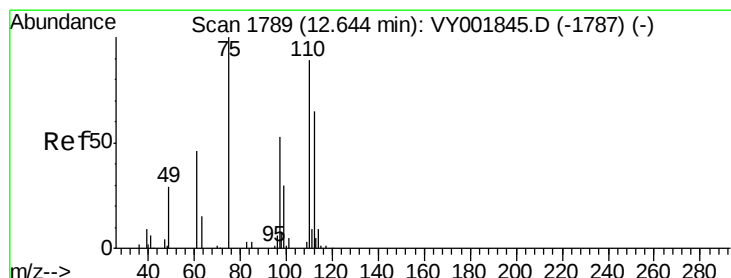
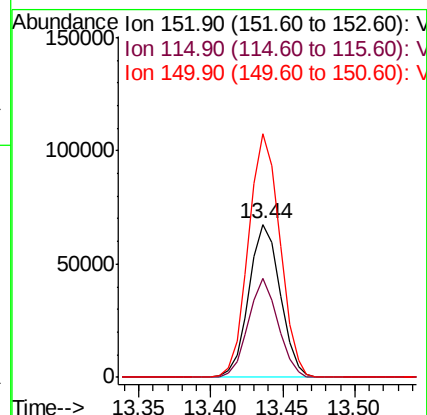
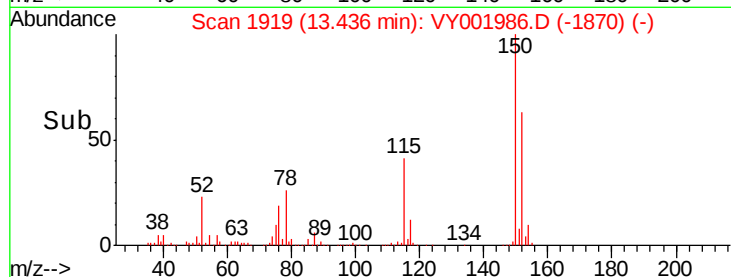
150 159.7 0.0 340.6



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: 45.811 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001986.D

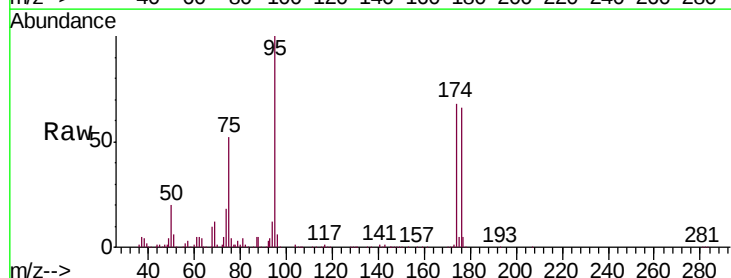
Acq: 16 Mar 2020 16:43

Tgt Ion: 75 Resp: 55148

Ion Ratio Lower Upper

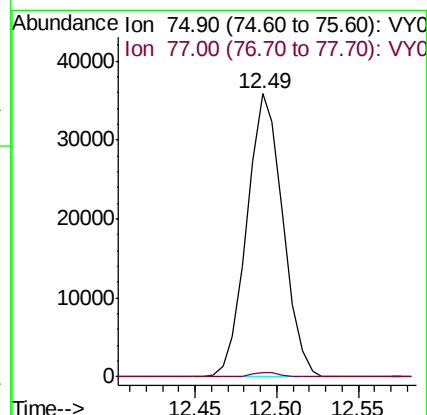
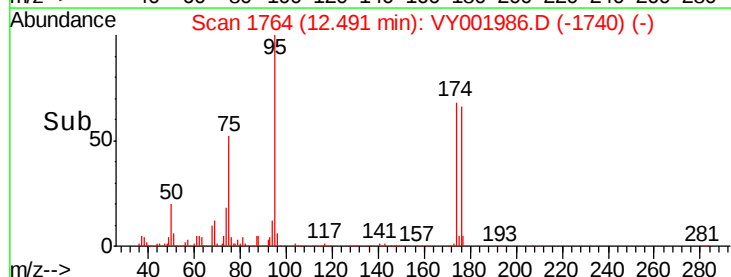
75 100

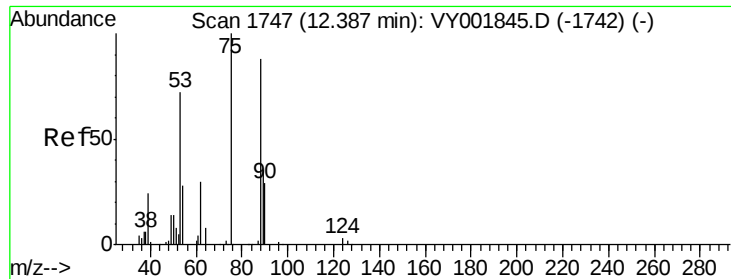
77 1.3 0.0 0.0#



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: 92.536 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001986.D

Acq: 16 Mar 2020 16:43

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-031620

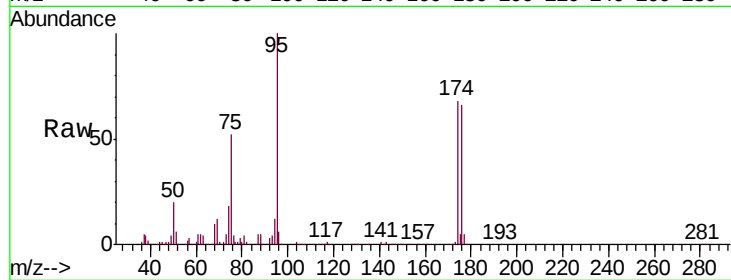
Tgt Ion: 75 Resp: 55148

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#



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

