

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002028.D
 Acq On : 19 Mar 2020 18:09
 Operator : SY/MD
 Sample : L1755-05
 Misc : 7.18G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-031920

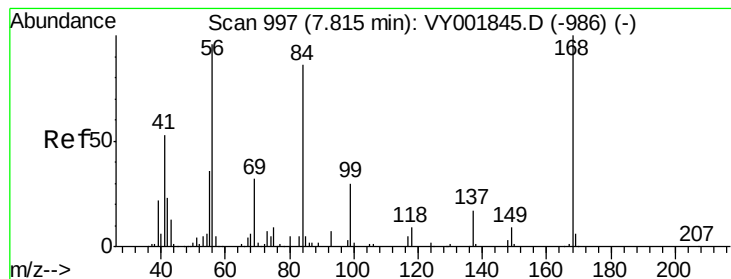
Quant Time: Mar 20 01:58:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	138932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	272640	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	252389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	109448	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	90825	61.24	ug/l	0.00
Spiked Amount			Recovery	=	122.48%	
35) Dibromofluoromethane	7.74	113	81133	54.50	ug/l	0.00
Spiked Amount			Recovery	=	109.00%	
50) Toluene-d8	10.19	98	332770	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.49	95	117757	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	20	Below Cal	#	4
11) Tert butyl alcohol	4.99	59	20	Below Cal	#	74
16) Acetone	3.98	43	761	1.762	ug/l #	42
20) Methylene Chloride	4.75	84	4129	2.230	ug/l	89
31) Cyclohexane	7.80	56	3304	1.014	ug/l #	5
36) 1,1-Dichloropropene	7.82	75	11473	4.373	ug/l #	51
38) Carbon Tetrachloride	7.82	117	14110	6.296	ug/l #	17
51) 4-Methyl-2-Pentanone	10.19	43	1703	1.145	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	60065	46.251	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	60065	93.425	ug/l #	17

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002028.D

Acq: 19 Mar 2020 18:09

Instrument :

MSVOA_Y

ClientSampleId :

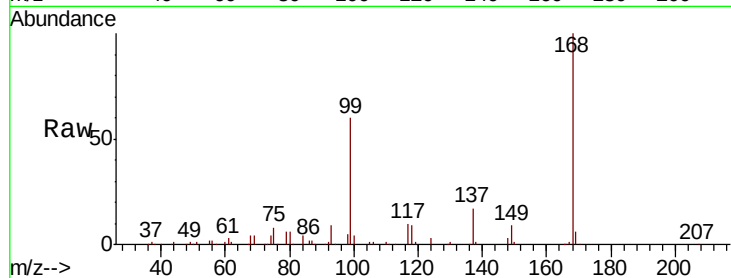
OK-01-031920

Tot Ion:168 Resp: 138932

Ion Ratio Lower Upper

168 100

99 60.0 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) (-)

7.81

60000

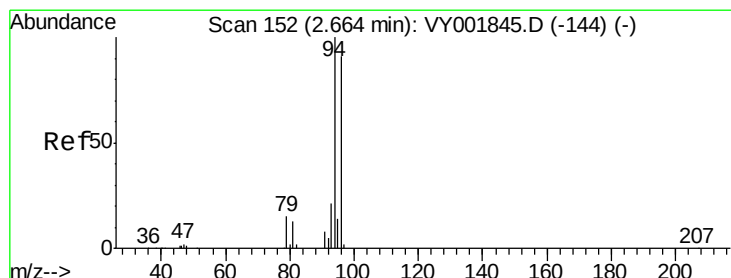
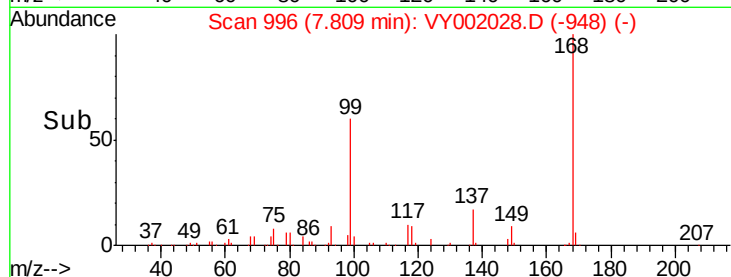
40000

20000

0

7.70 7.80 7.90

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY002028.D

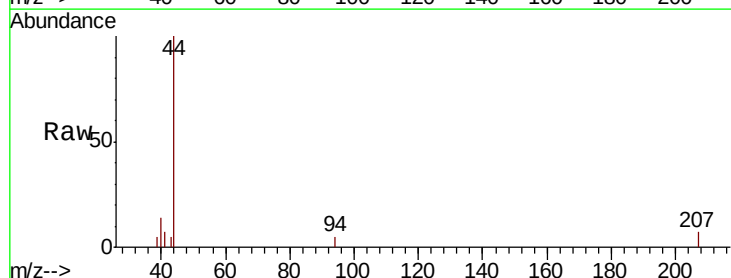
Acq: 19 Mar 2020 18:09

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) (-)

120

100

80

60

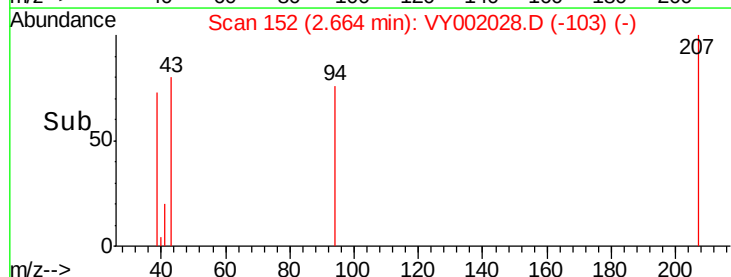
40

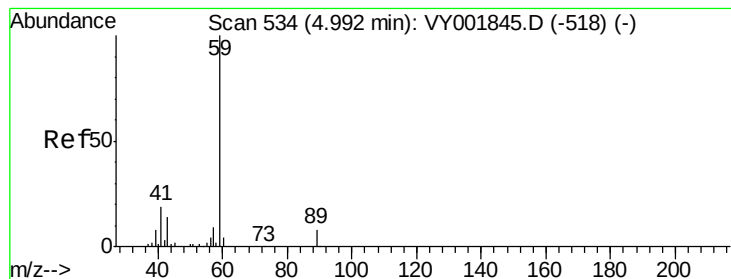
20

0

2.65 2.66 2.67

Time-->



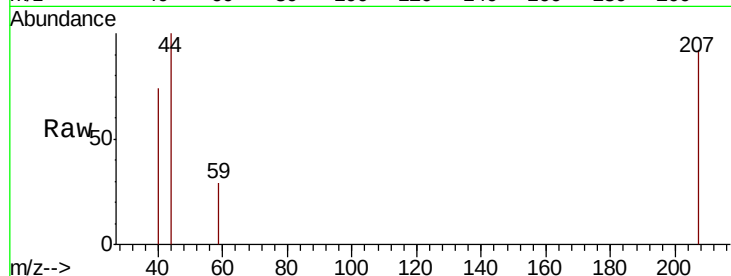


#11

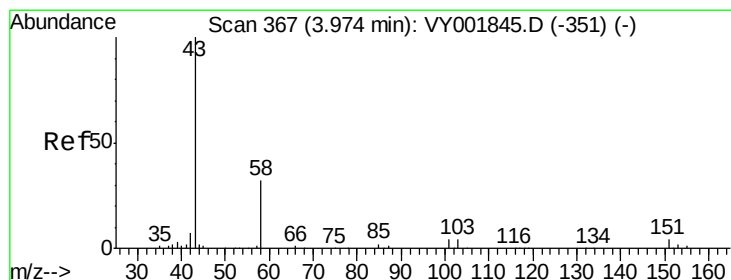
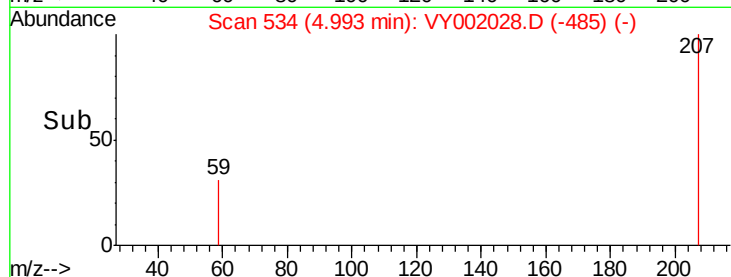
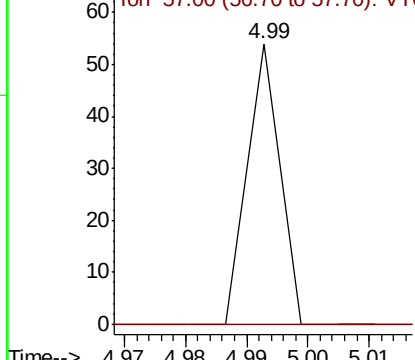
Tert butyl alcohol
 Concen: Below Cal
 RT: 4.99 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VY002028.D
 Acq: 19 Mar 2020 18:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-031920

Tot Ion: 59 Resp: 20
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#



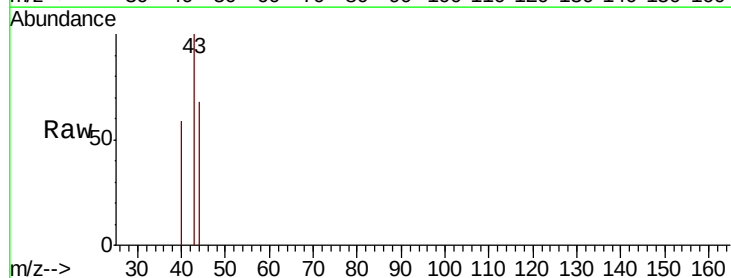
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



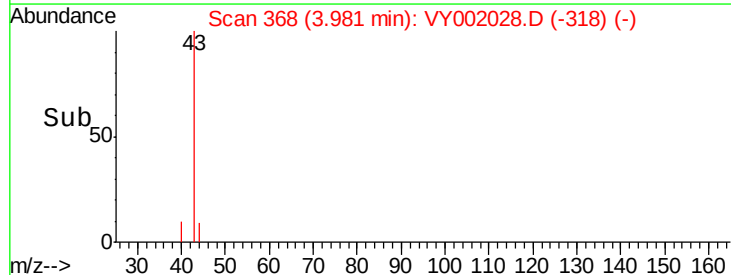
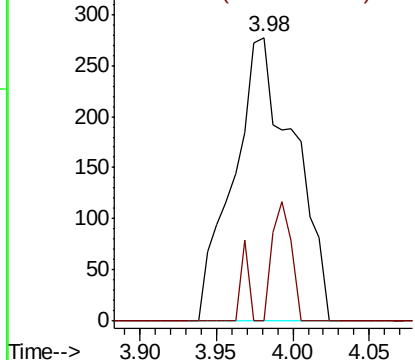
#16

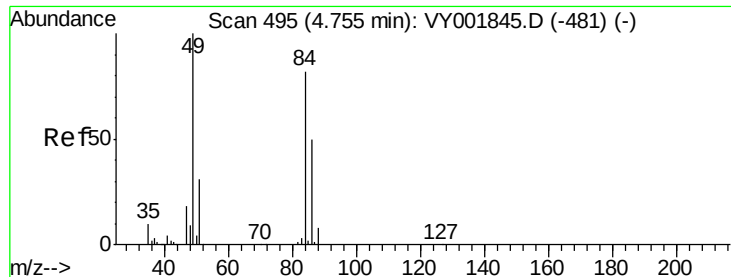
Acetone
 Concen: 1.762 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VY002028.D
 Acq: 19 Mar 2020 18:09

Tgt Ion: 43 Resp: 761
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.9 38.9#



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

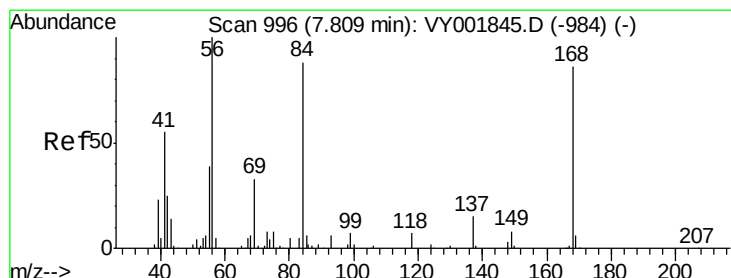
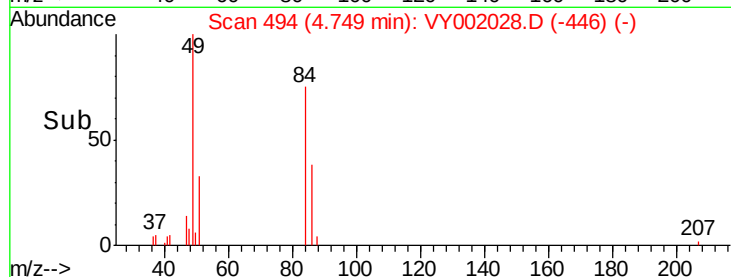
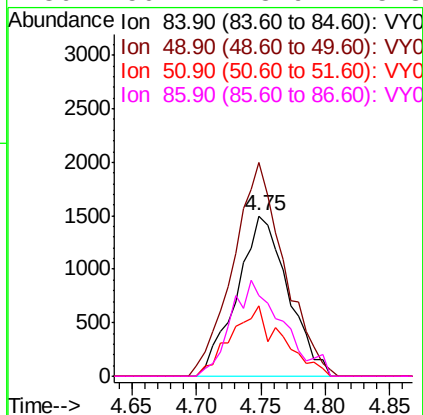
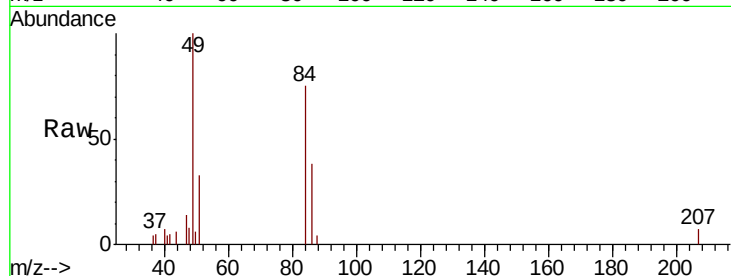




#20
Methylene Chloride
Concen: 2.230 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY002028.D
Acq: 19 Mar 2020 18:09

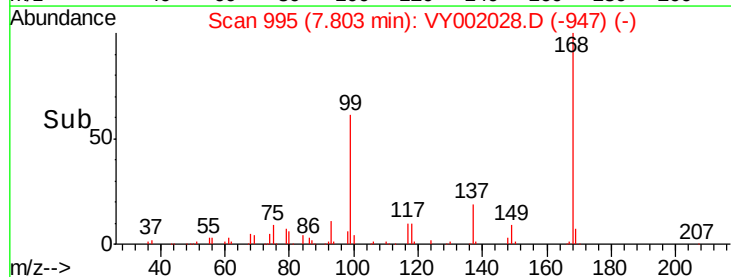
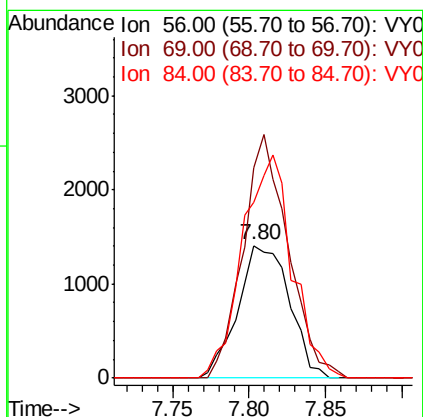
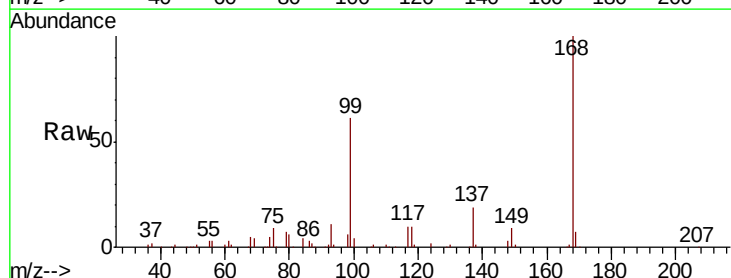
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-031920

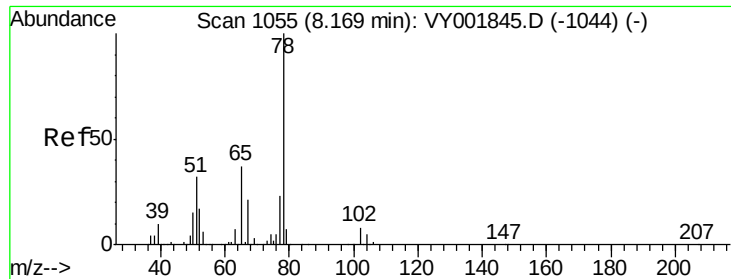
Tot Ion: 84 Resp: 4129
Ion Ratio Lower Upper
84 100
49 133.0 98.2 147.2
51 43.7 30.2 45.2
86 50.1 48.9 73.3



#31
Cyclohexane
Concen: 1.014 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY002028.D
Acq: 19 Mar 2020 18:09

Tgt Ion: 56 Resp: 3304
Ion Ratio Lower Upper
56 100
69 158.0 26.7 40.1#
84 132.3 70.4 105.6#

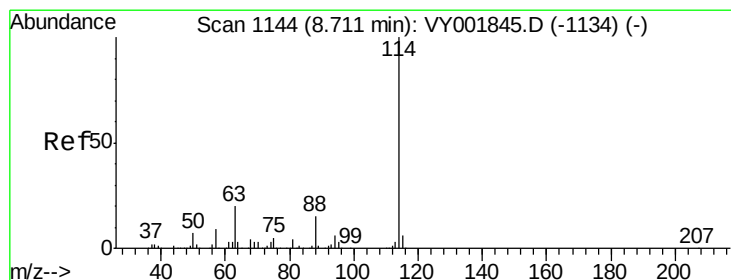
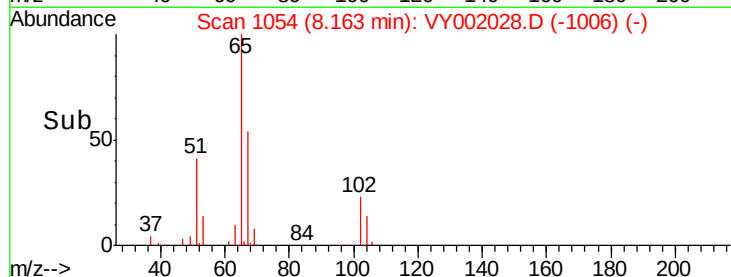
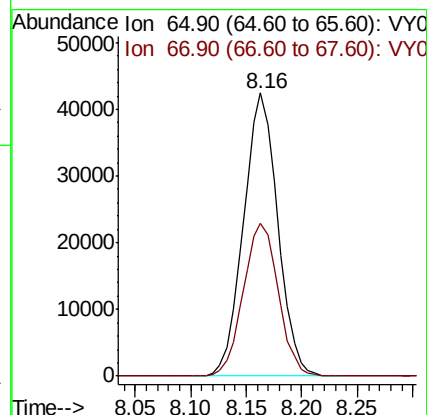
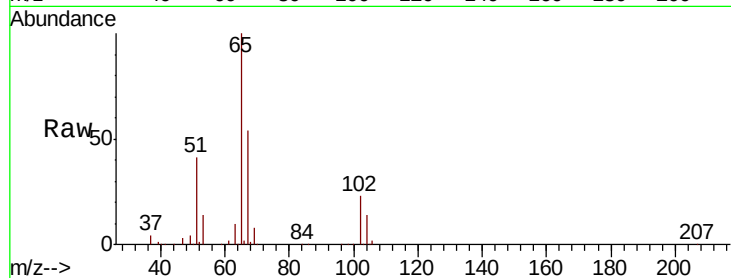




#33
 1,2-Dichloroethane-d4
 Concen: 61.236 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY002028.D
 Acq: 19 Mar 2020 18:09

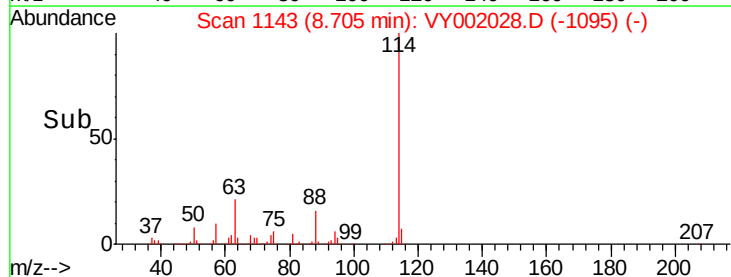
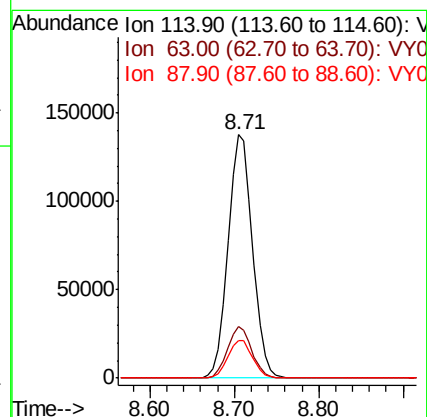
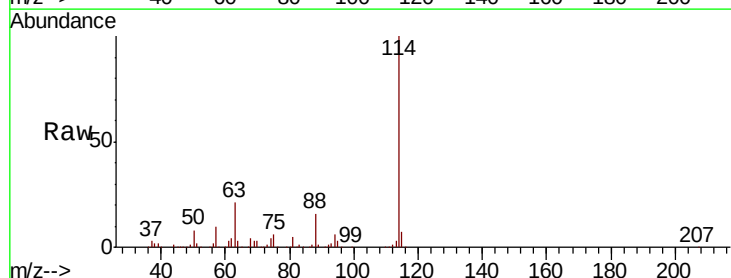
Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-031920

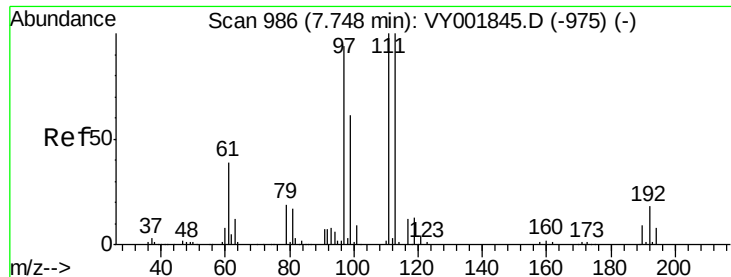
Tot Ion: 65 Resp: 90825
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY002028.D
 Acq: 19 Mar 2020 18:09

Tgt Ion: 114 Resp: 272640
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 39.4
 88 15.6 0.0 30.4

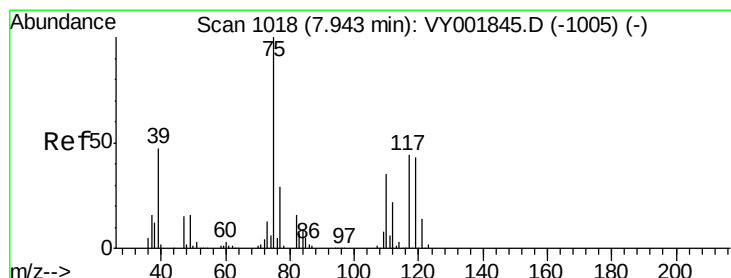
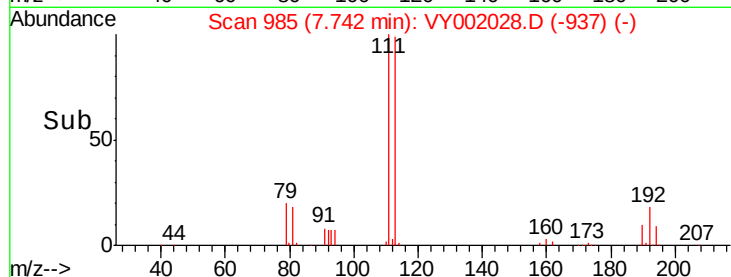
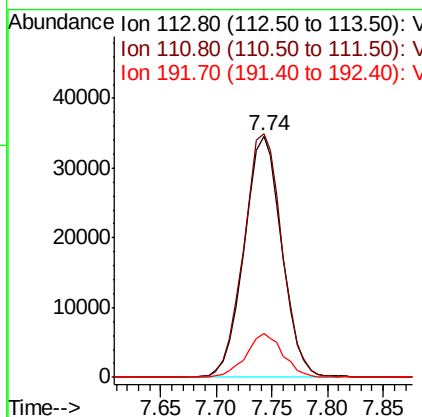
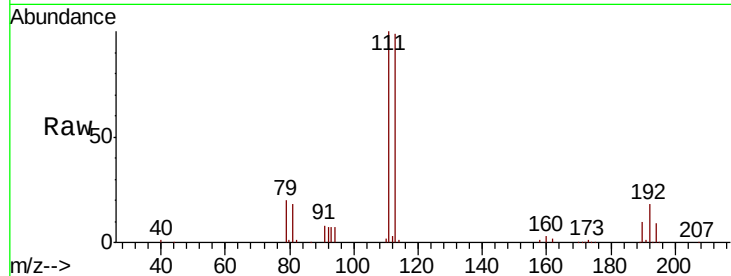




#35
 Dibromofluoromethane
 Concen: 54.498 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY002028.D
 Acq: 19 Mar 2020 18:09

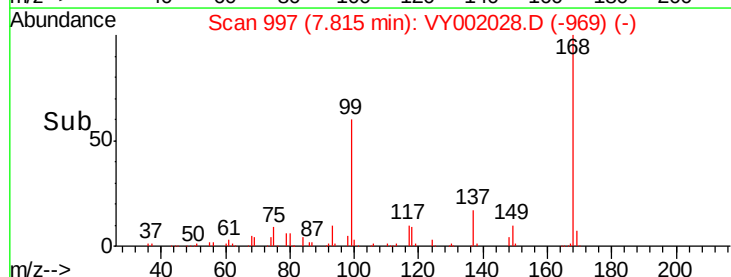
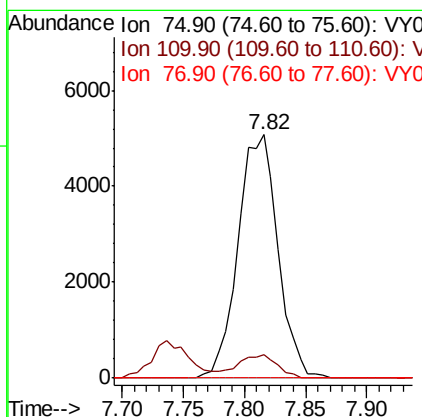
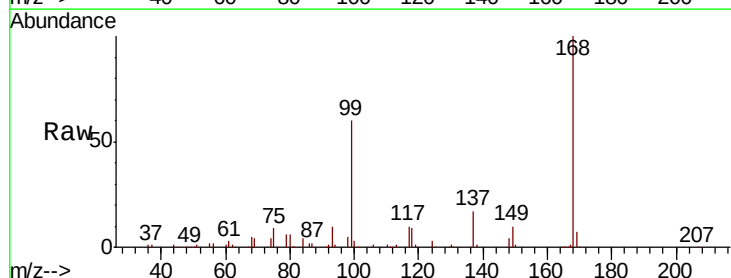
Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-031920

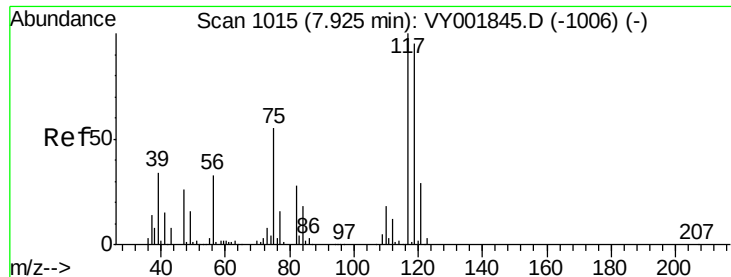
Tot Ion:113 Resp: 81133
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.8 122.8
 192 17.7 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.373 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY002028.D
 Acq: 19 Mar 2020 18:09

Tgt Ion: 75 Resp: 11473
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.4 52.2#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.296 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.11 min

Lab File: VY002028.D

Acq: 19 Mar 2020 18:09

Instrument :

MSVOA_Y

ClientSampleId :

OK-01-031920

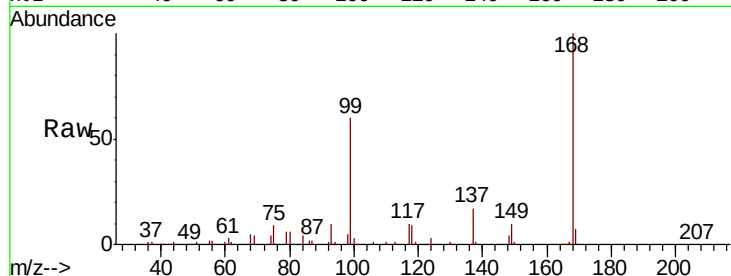
Tot Ion:117 Resp: 14110

Ion Ratio Lower Upper

117 100

119 5.5 76.3 114.5#

121 0.0 23.5 35.3#

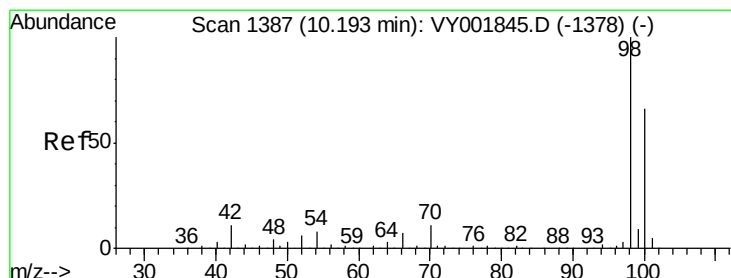
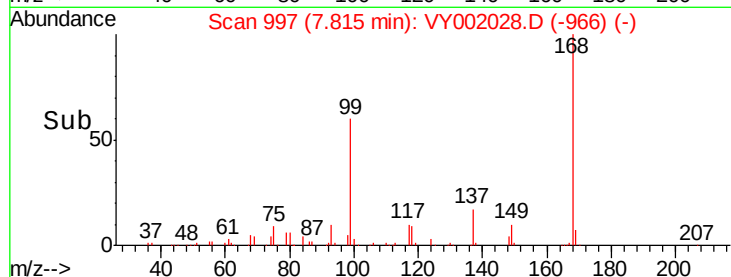
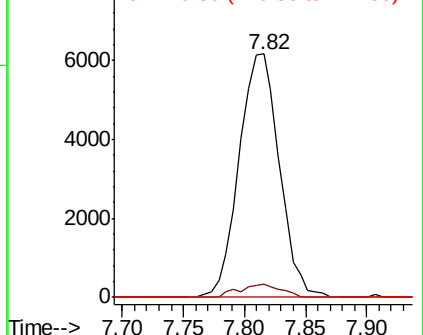


Abundance

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: 53.008 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002028.D

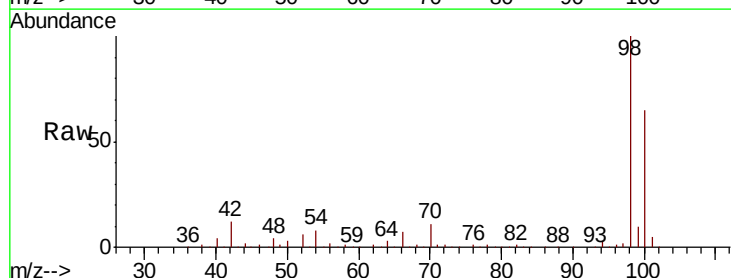
Acq: 19 Mar 2020 18:09

Tgt Ion: 98 Resp: 332770

Ion Ratio Lower Upper

98 100

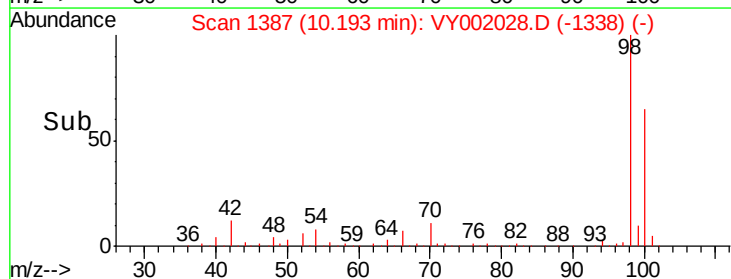
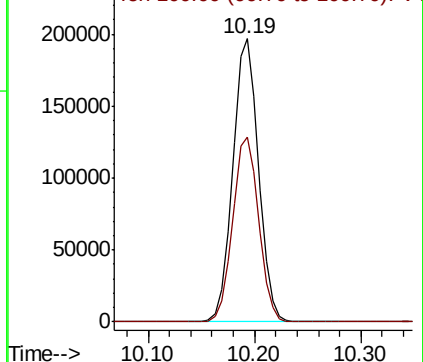
100 66.2 53.0 79.4

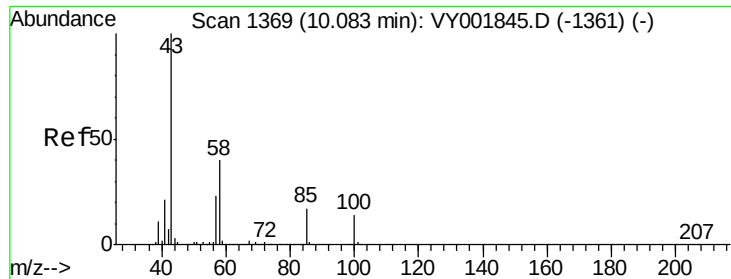


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.145 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.10 min

Lab File: VY002028.D

Acq: 19 Mar 2020 18:09

Instrument :

MSVOA_Y

ClientSampleId :

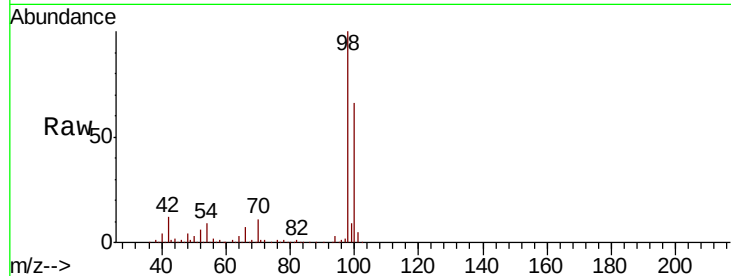
OK-01-031920

Tot Ion: 43 Resp: 1703

Ion Ratio Lower Upper

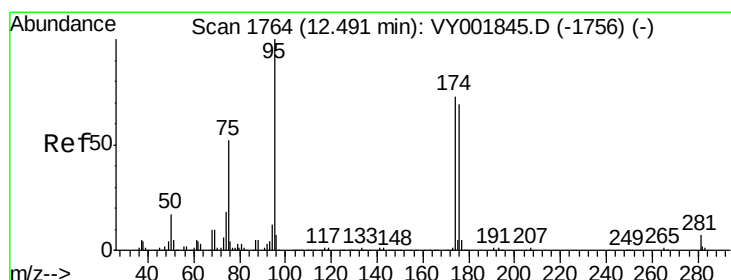
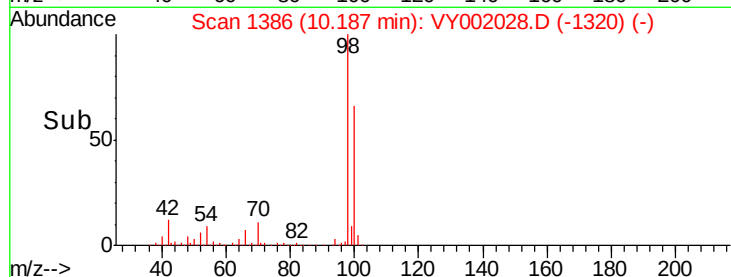
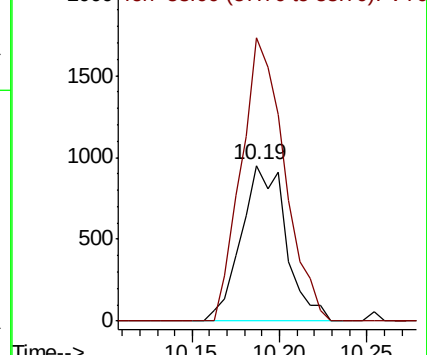
43 100

58 175.0 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 53.946 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002028.D

Acq: 19 Mar 2020 18:09

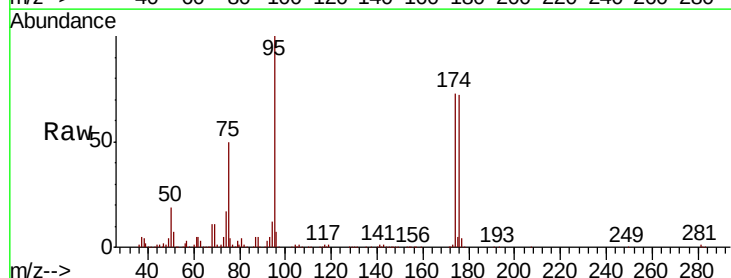
Tgt Ion: 95 Resp: 117757

Ion Ratio Lower Upper

95 100

174 71.8 0.0 145.0

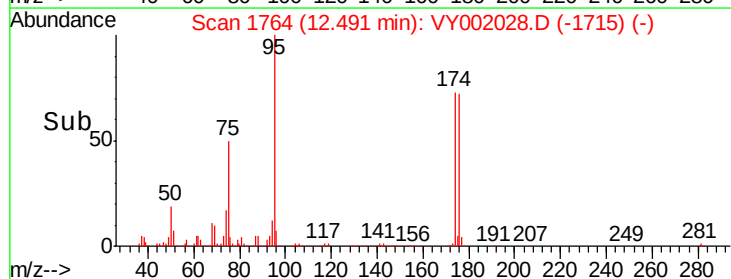
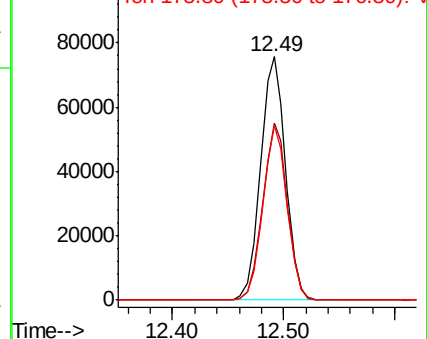
176 69.6 0.0 137.4

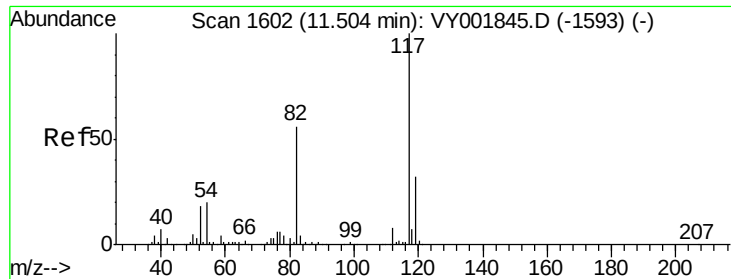


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

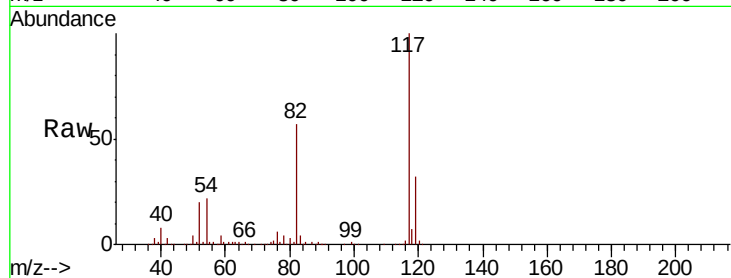




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002028.D
Acq: 19 Mar 2020 18:09

Instrument :
MSVOA_Y
ClientSampleId :
OK-01-031920

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.5	66.7
119	31.9	25.7	38.5

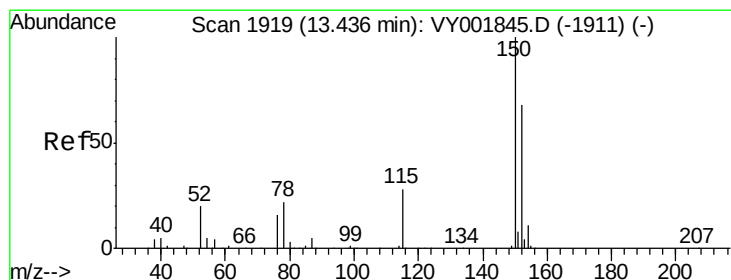
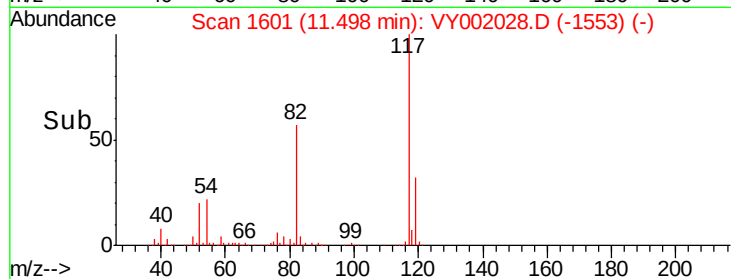
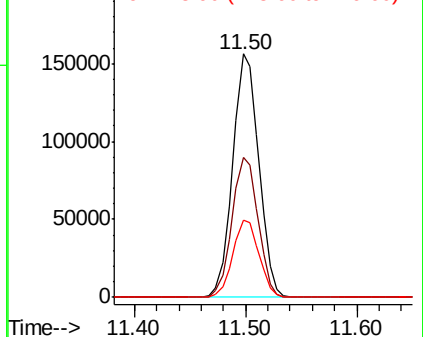


Abundance

Ion 116.90 (116.60 to 117.60): V

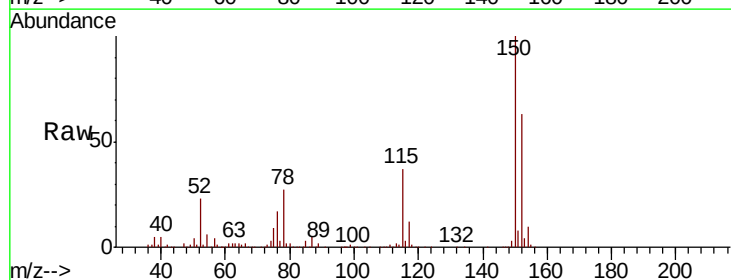
Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY002028.D
Acq: 19 Mar 2020 18:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	29.9	89.7
150	160.2	0.0	340.6

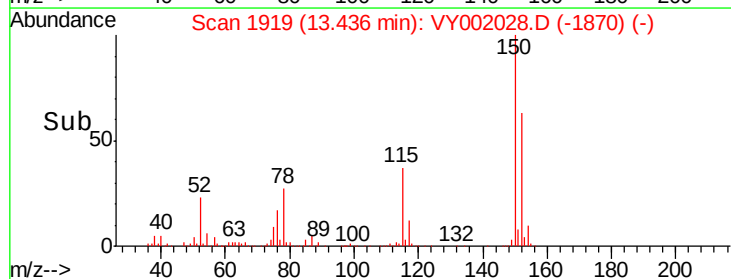
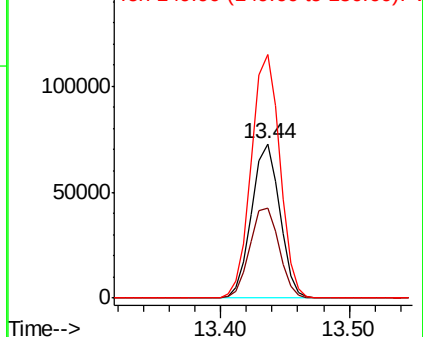


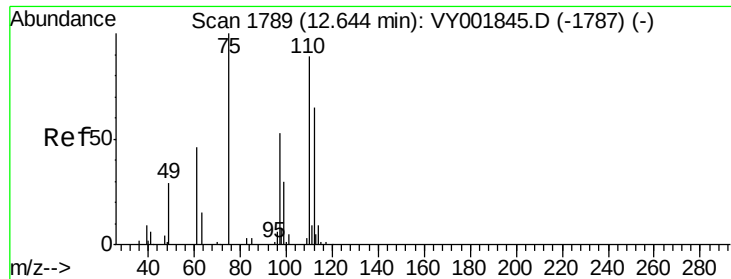
Abundance

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: 46.251 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002028.D

Acq: 19 Mar 2020 18:09

Instrument :

MSVOA_Y

ClientSampleId :

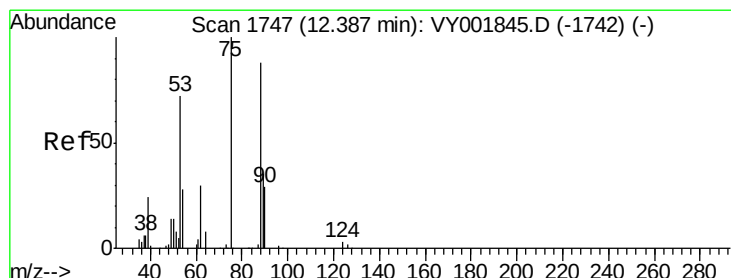
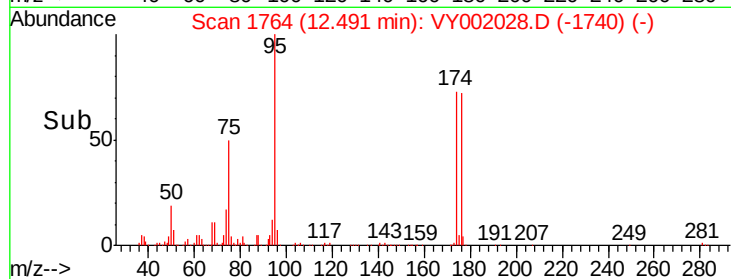
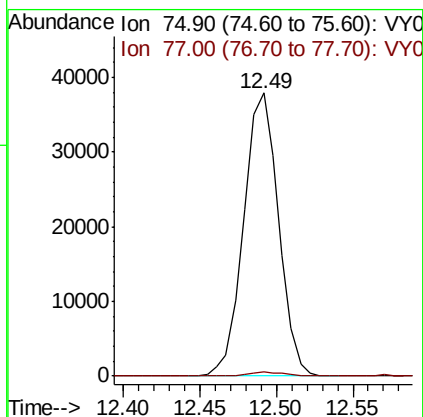
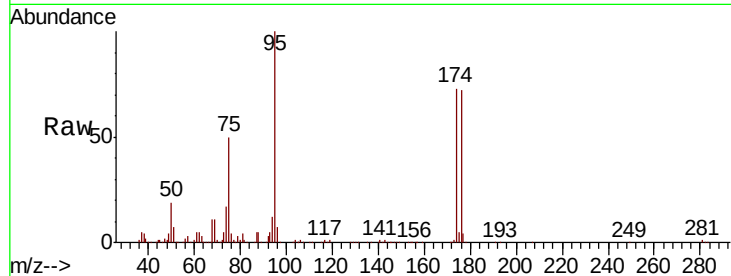
OK-01-031920

Tot Ion: 75 Resp: 60065

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.425 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002028.D

Acq: 19 Mar 2020 18:09

Tgt Ion: 75 Resp: 60065

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.2 36.0 54.0#

