

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
 Data File : VY003035.D
 Acq On : 30 Jun 2020 15:17
 Operator : SY/MD
 Sample : L3129-06RE
 Misc : 1.05G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 01 05:13:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	438447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	665895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	466641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	125441	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	212148	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
35) Dibromofluoromethane	7.72	113	204620	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	10.18	98	618980	40.00	ug/l	0.00
Spiked Amount			Recovery	=	80.00%	
62) 4-Bromofluorobenzene	12.48	95	161837	29.71	ug/l	0.00
Spiked Amount			Recovery	=	59.42%	

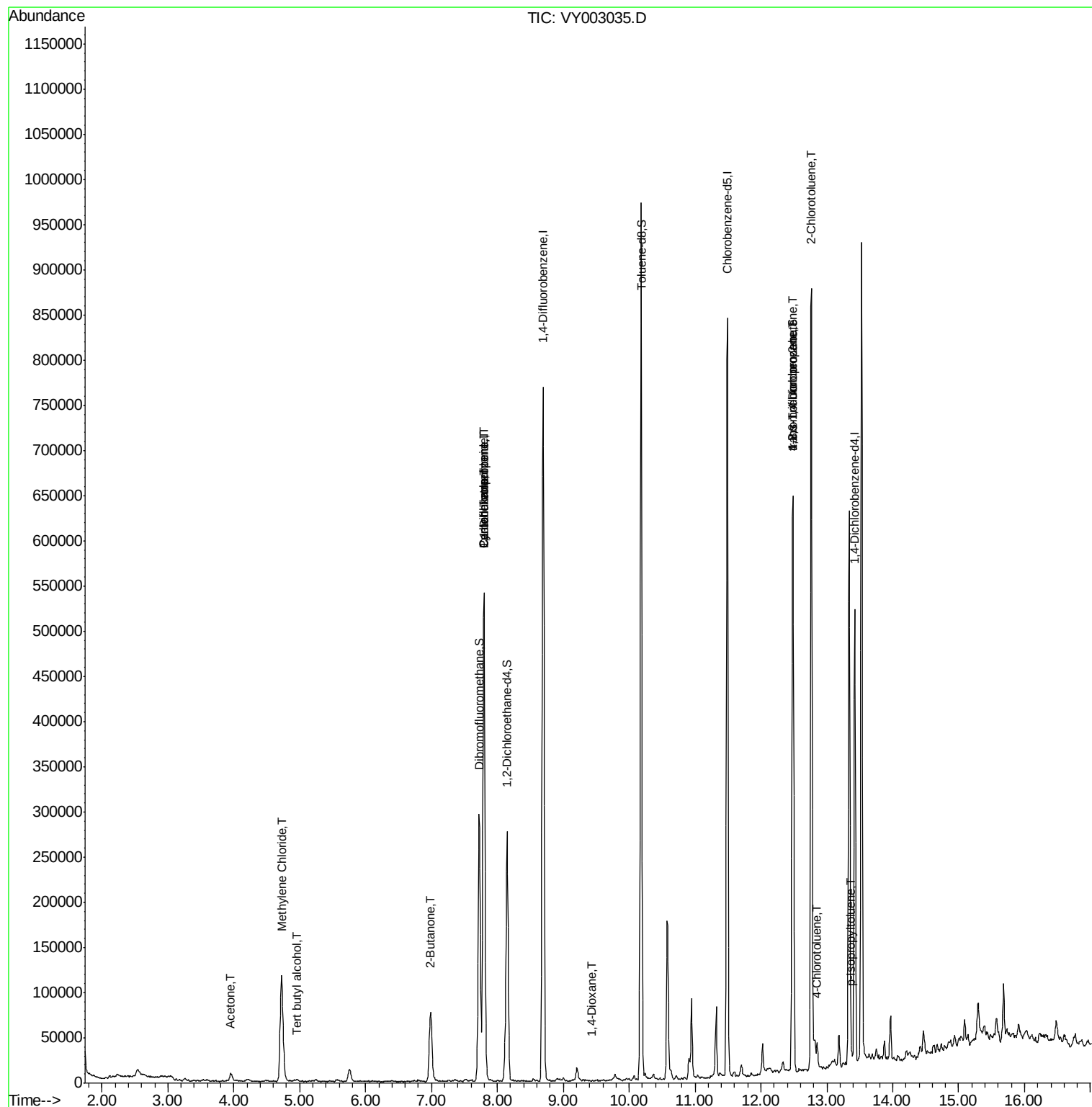
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	898	2.023	ug/l	99
16) Acetone	3.95	43	13851	13.486	ug/l	93
20) Methylene Chloride	4.72	84	89916	14.698	ug/l	91
25) 2-Butanone	6.99	43	4998	3.064	ug/l #	73
31) Cyclohexane	7.80	56	8794	1.148	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	29366	4.578	ug/l #	51
38) Carbon Tetrachloride	7.80	117	40609	6.085	ug/l #	17
49) 1,4-Dioxane	9.44	88	51	1.583	ug/l #	74
76) 1,2,3-Trichloropropane	12.48	75	83966	67.634	ug/l #	100
79) 2-Chlorotoluene	12.76	91	8771	1.592	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.48	75	83966	131.587	ug/l #	13
82) 4-Chlorotoluene	12.85	91	14664	2.556	ug/l	98
86) p-Isopropyltoluene	13.37	119	9467	1.225	ug/l #	77

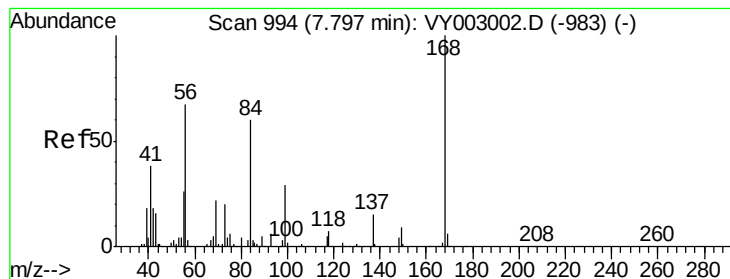
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
Data File : VY003035.D
Acq On : 30 Jun 2020 15:17
Operator : SY/MD
Sample : L3129-06RE
Misc : 1.05G/5ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Jul 01 05:13:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003035.D

Acq: 30 Jun 2020 15:17

Instrument :

MSVOA_Y

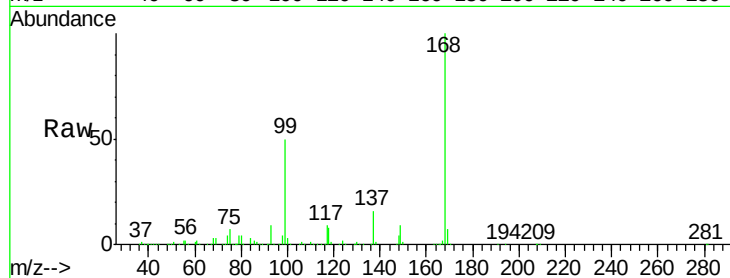
ClientSampled :

Tot Ion:168 Resp: 438447

Ion Ratio Lower Upper

168 100

99 49.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003002.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003002.D (-983) (-)

7.80

200000

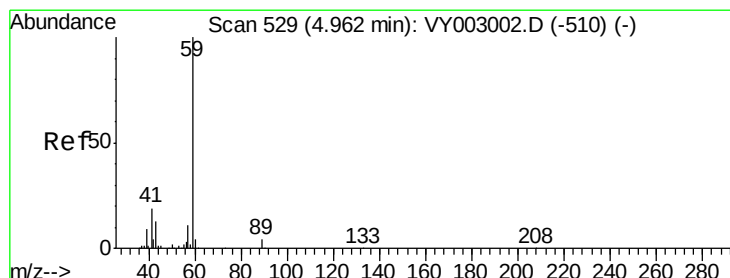
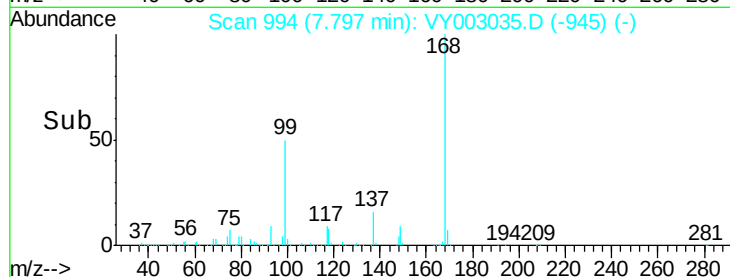
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.023 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY003035.D

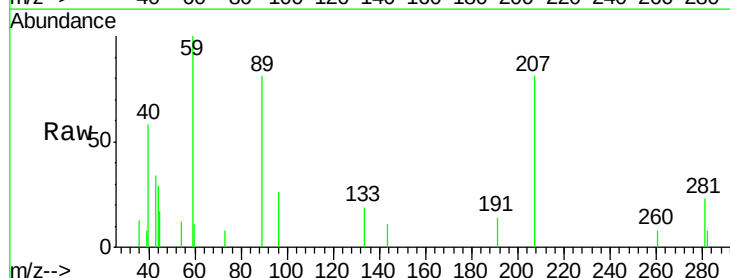
Acq: 30 Jun 2020 15:17

Tgt Ion: 59 Resp: 898

Ion Ratio Lower Upper

59 100

57 10.5 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VY003002.D (-510) (-)

Ion 57.00 (56.70 to 57.70): VY003002.D (-510) (-)

4.96

800

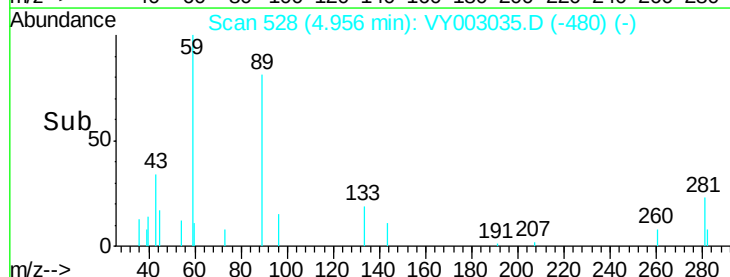
600

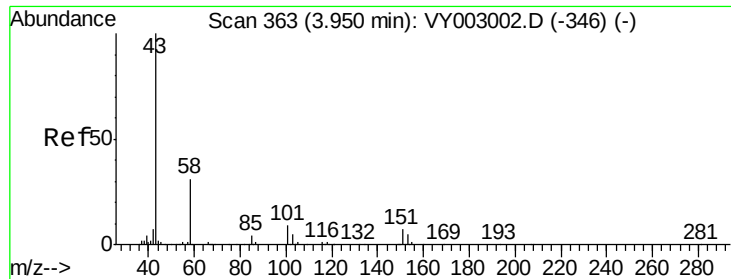
400

200

0

Time-->

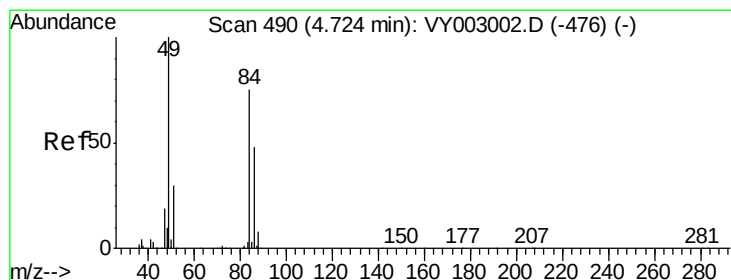
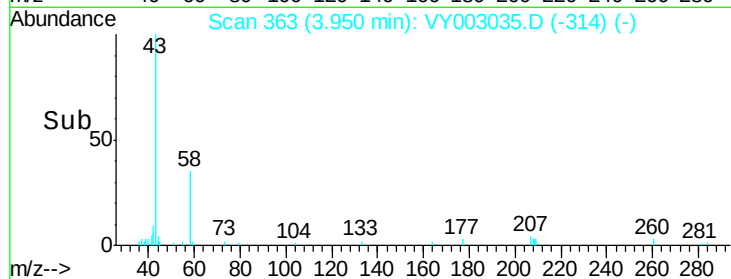
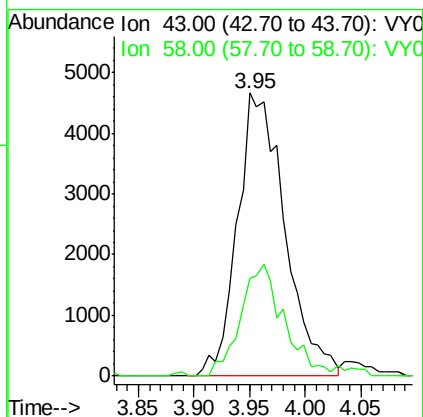
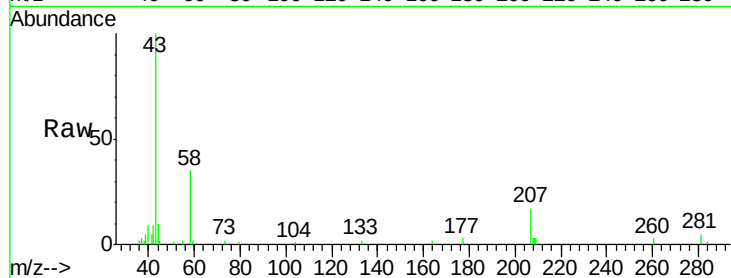




#16
Acetone
Concen: 13.486 ug/l
RT: 3.95 min Scan# 363
Delta R.T. -0.00 min
Lab File: VY003035.D
Acq: 30 Jun 2020 15:17

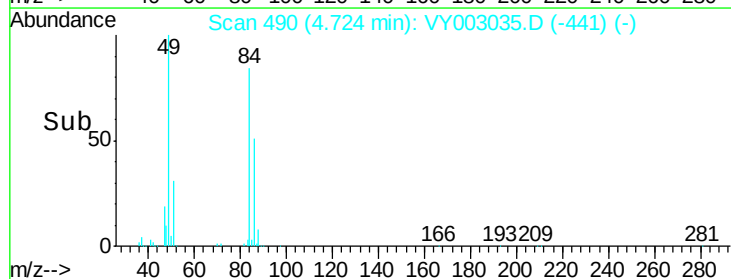
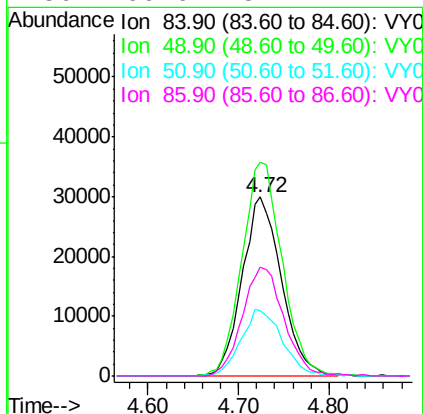
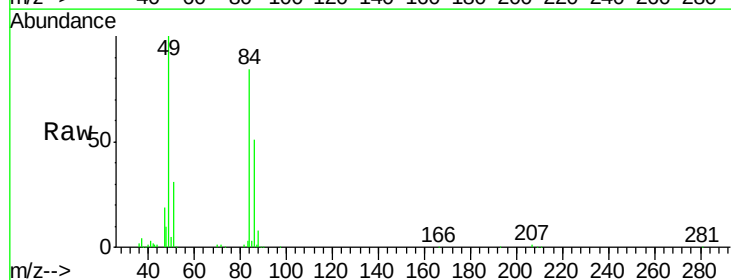
Instrument :
MSVOA_Y
ClientSampled :

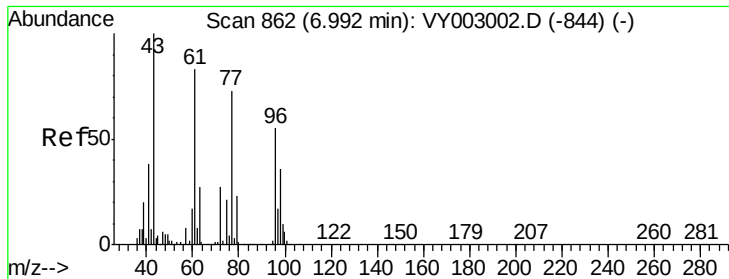
Tot Ion: 43 Resp: 13851
Ion Ratio Lower Upper
43 100
58 34.5 24.7 37.1



#20
Methylene Chloride
Concen: 14.698 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003035.D
Acq: 30 Jun 2020 15:17

Tgt Ion: 84 Resp: 89916
Ion Ratio Lower Upper
84 100
49 119.3 106.8 160.2
51 36.6 32.0 48.0
86 60.6 51.4 77.2





#25

2-Butanone

Concen: 3.064 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003035.D

Acq: 30 Jun 2020 15:17

Instrument :

MSVOA_Y

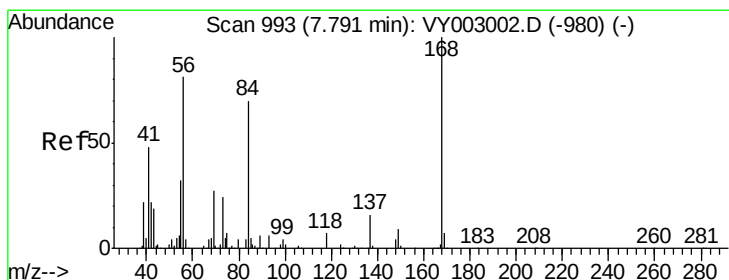
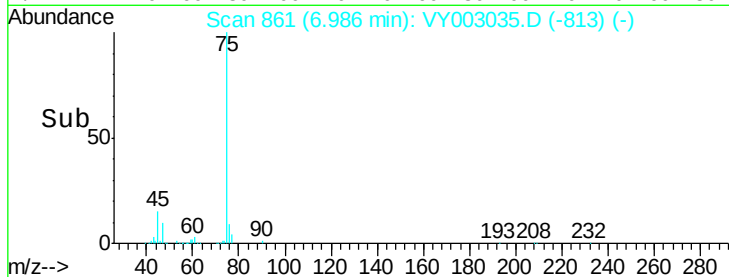
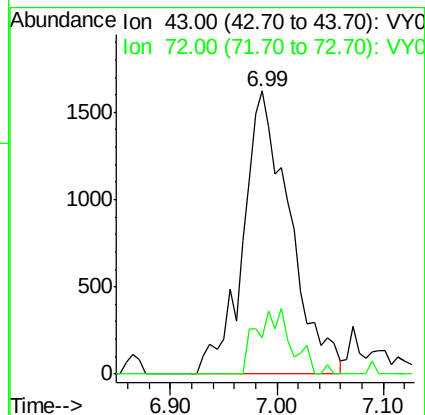
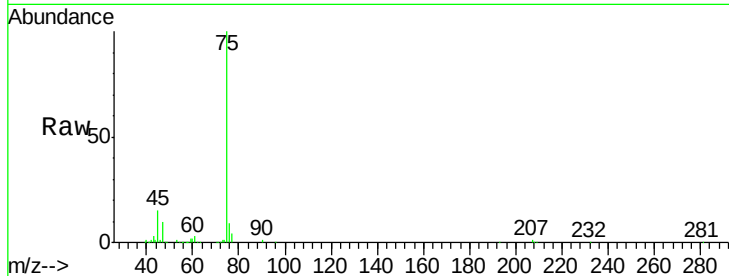
ClientSampleId :

Tot Ion: 43 Resp: 4998

Ion Ratio Lower Upper

43 100

72 13.0 21.4 32.0#



#31

Cyclohexane

Concen: 1.148 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003035.D

Acq: 30 Jun 2020 15:17

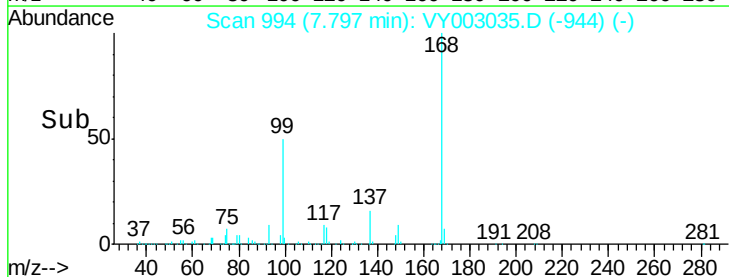
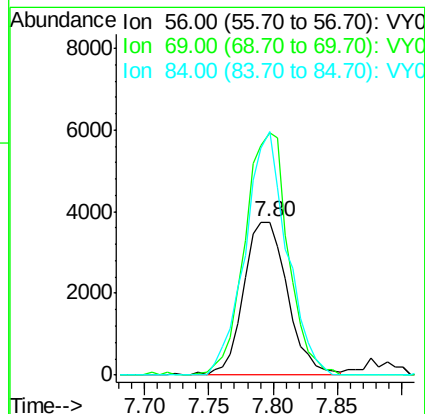
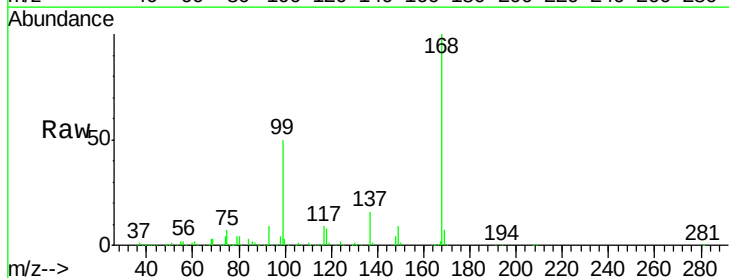
Tgt Ion: 56 Resp: 8794

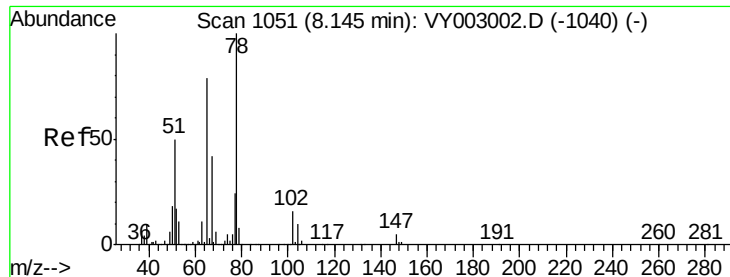
Ion Ratio Lower Upper

56 100

69 158.4 27.0 40.4#

84 159.2 68.1 102.1#

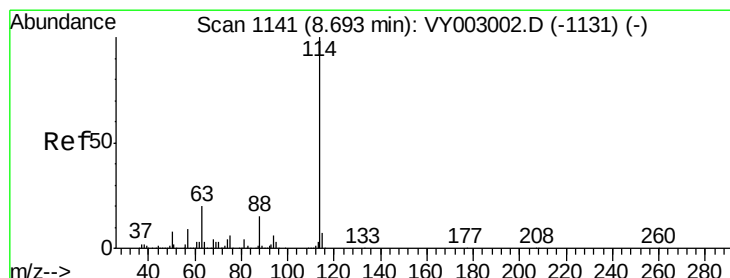
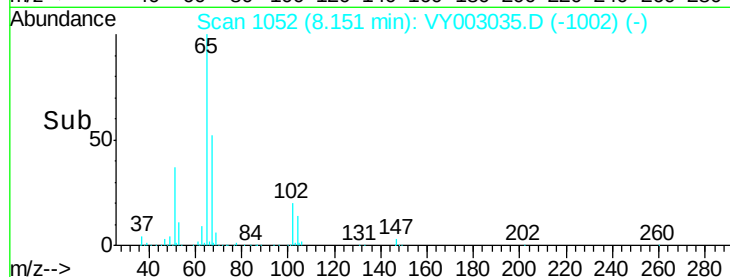
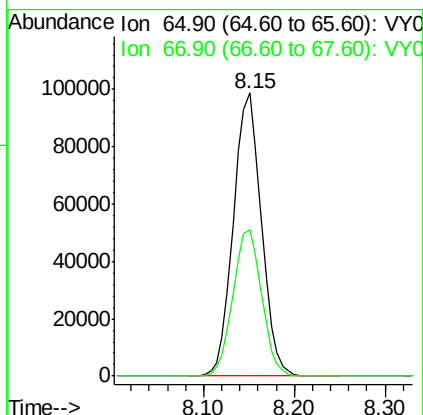
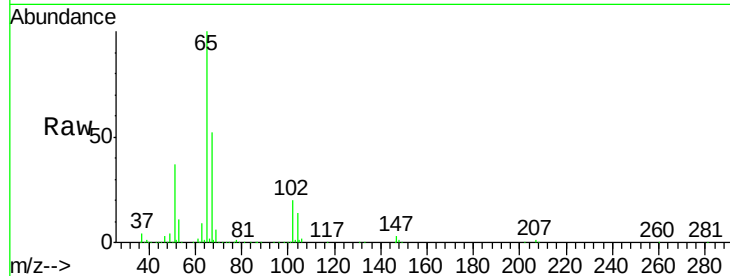




#33
 1,2-Dichloroethane-d4
 Concen: 48.717 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003035.D
 Acq: 30 Jun 2020 15:17

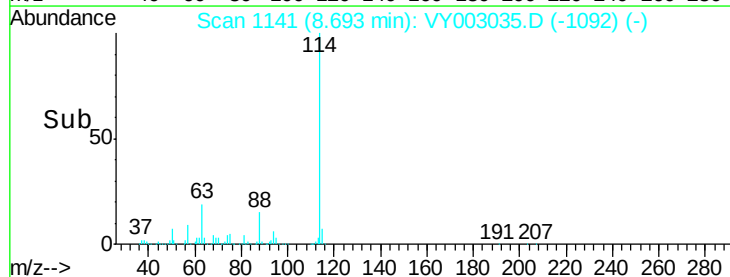
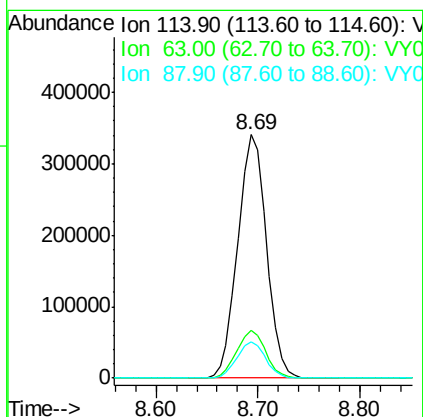
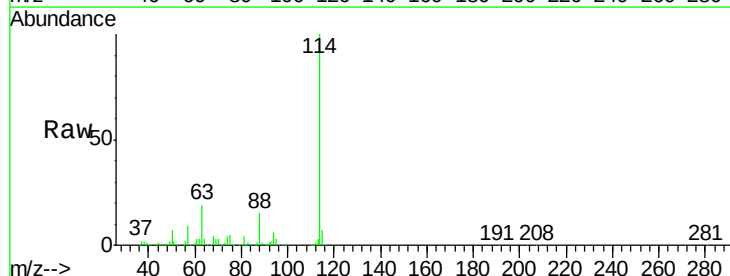
Instrument :
 MSVOA_Y
 ClientSampled :

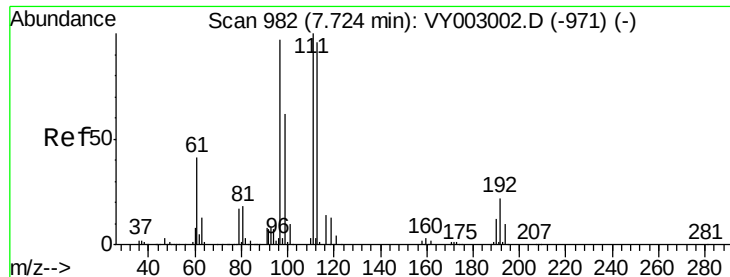
Tot Ion: 65 Resp: 212148
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003035.D
 Acq: 30 Jun 2020 15:17

Tgt Ion: 114 Resp: 665895
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.6
 88 14.7 0.0 30.0

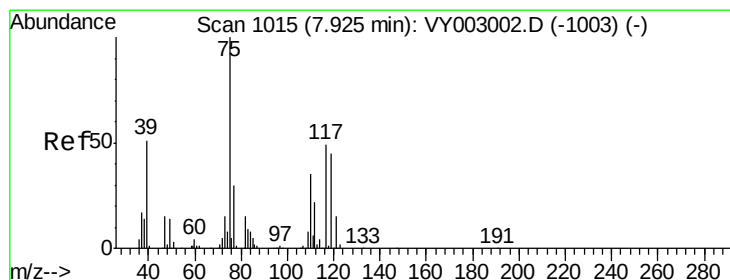
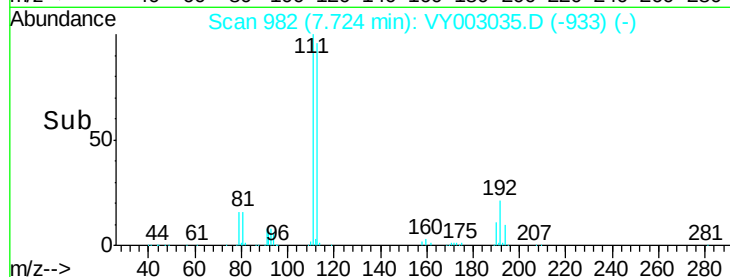
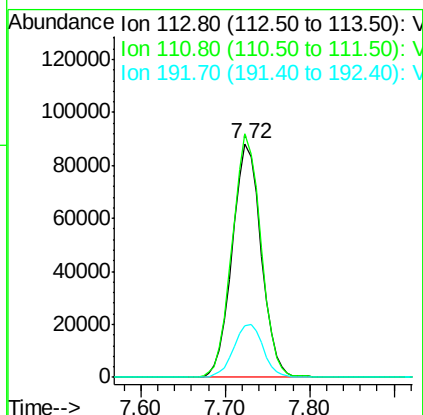
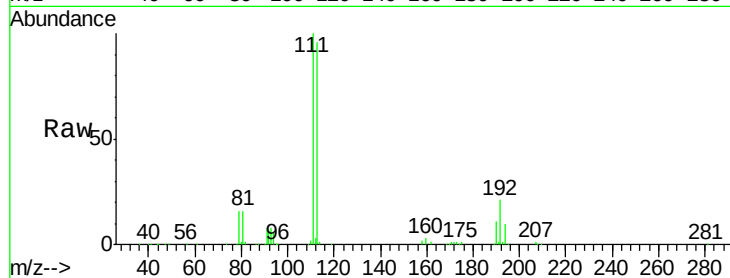




#35
 Dibromofluoromethane
 Concen: 49.259 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003035.D
 Acq: 30 Jun 2020 15:17

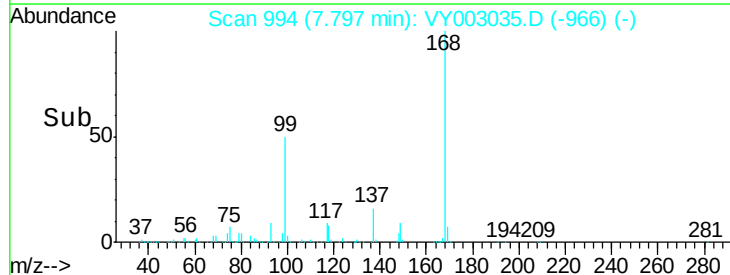
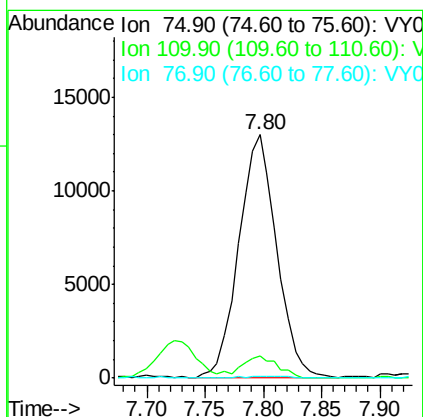
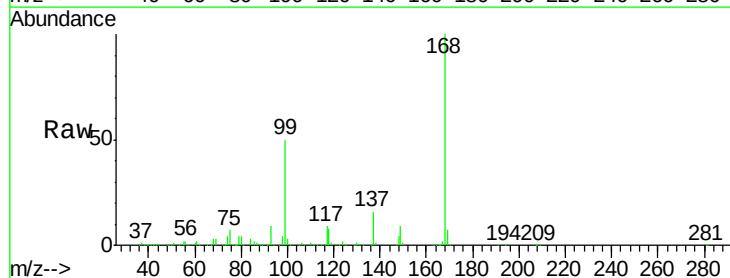
Instrument :
 MSVOA_Y
 ClientSampleId :

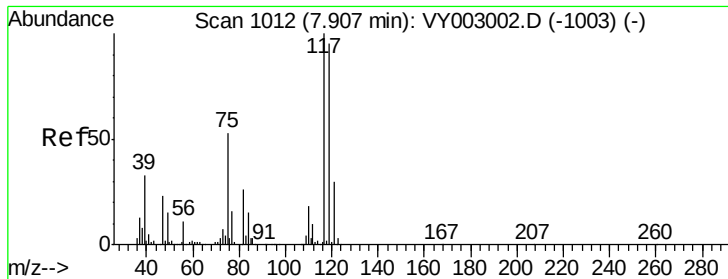
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	23.1	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.578 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003035.D
 Acq: 30 Jun 2020 15:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.1	51.2#
77	0.7	24.9	37.3#

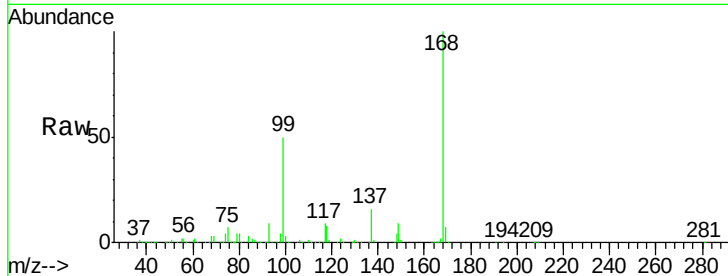




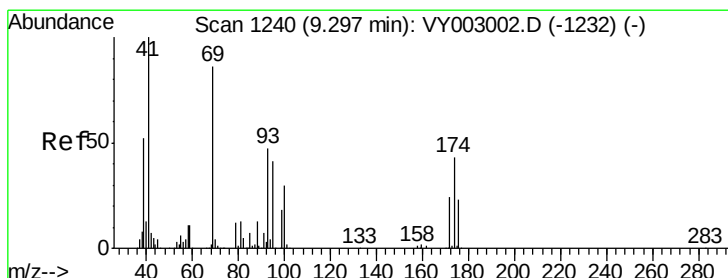
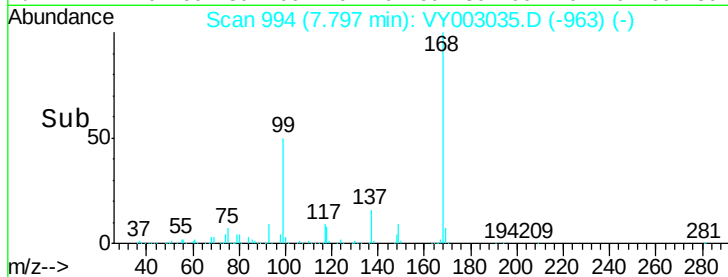
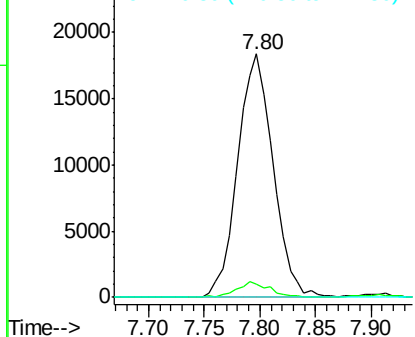
#38
Carbon Tetrachloride
Concen: 6.085 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY003035.D
Acq: 30 Jun 2020 15:17

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.7	113.5#
121	0.0	23.9	35.9#

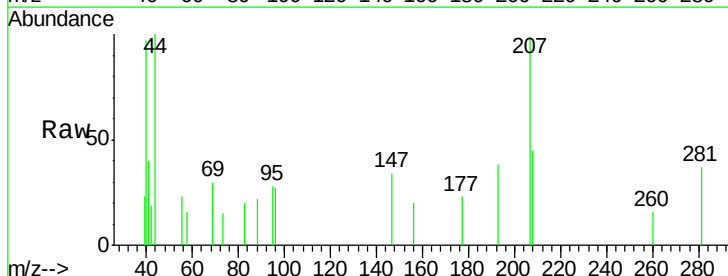


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

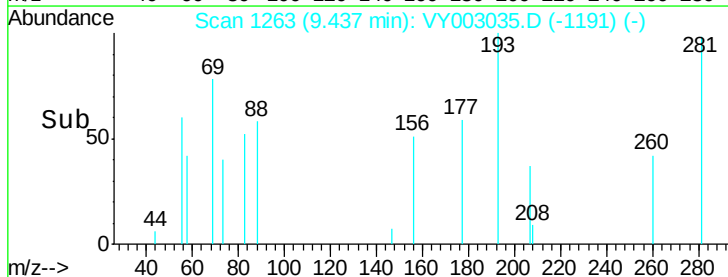
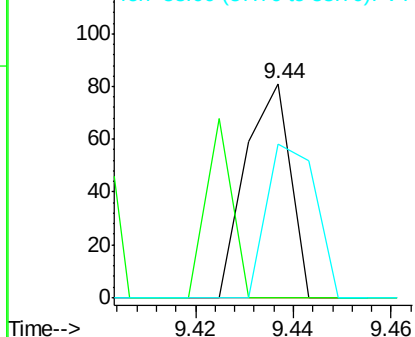


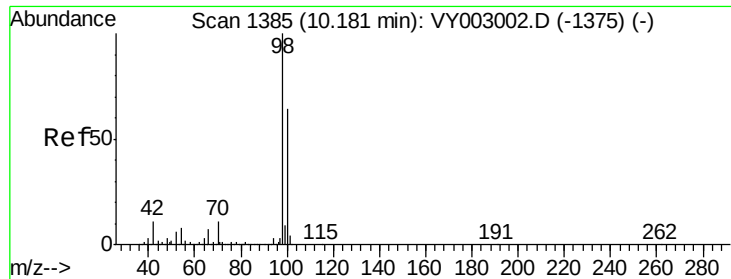
#49
1,4-Dioxane
Concen: 1.583 ug/l
RT: 9.44 min Scan# 1263
Delta R.T. 0.14 min
Lab File: VY003035.D
Acq: 30 Jun 2020 15:17

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.6	42.8#
58	78.4	56.7	85.1



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 39.998 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003035.D

Acq: 30 Jun 2020 15:17

Instrument :

MSVOA_Y

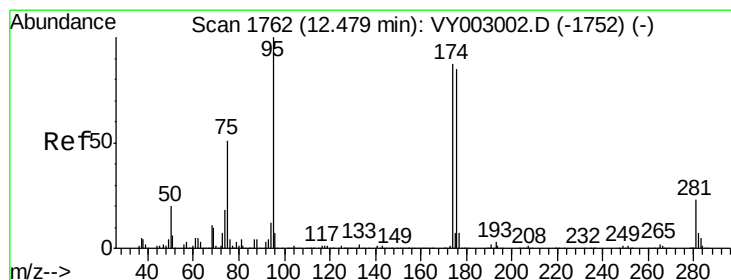
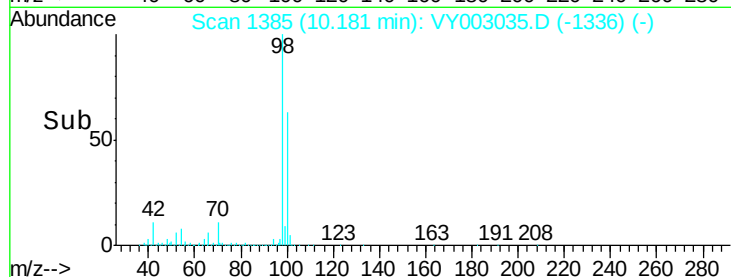
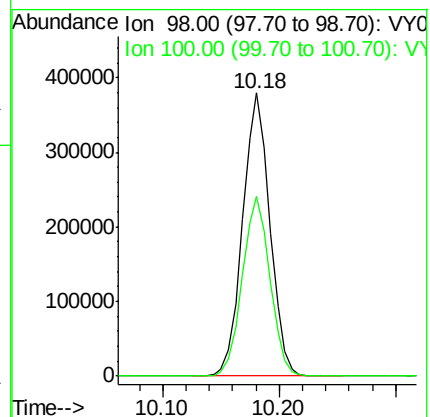
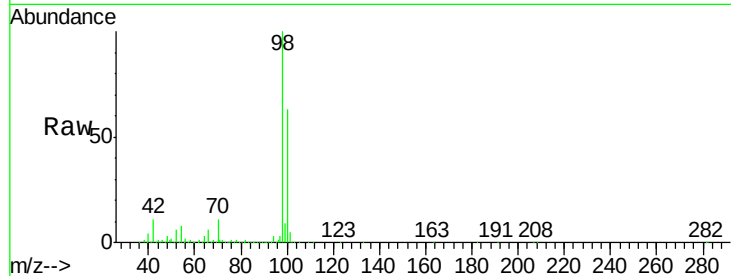
ClientSampleId :

Tot Ion: 98 Resp: 618980

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 29.709 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003035.D

Acq: 30 Jun 2020 15:17

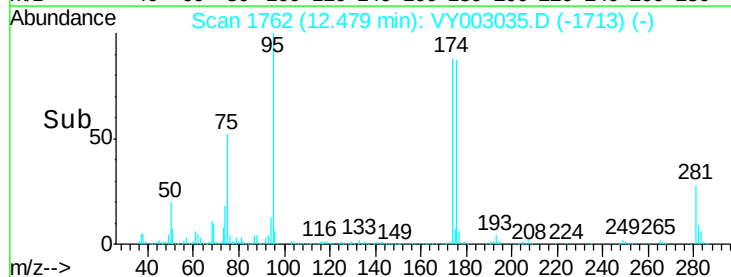
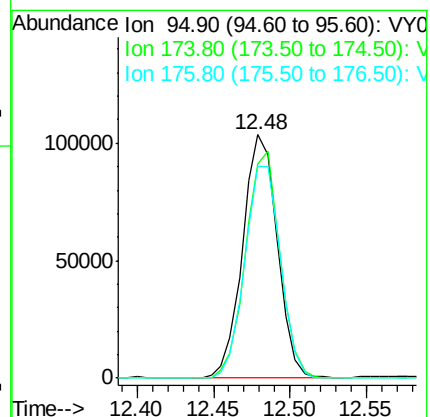
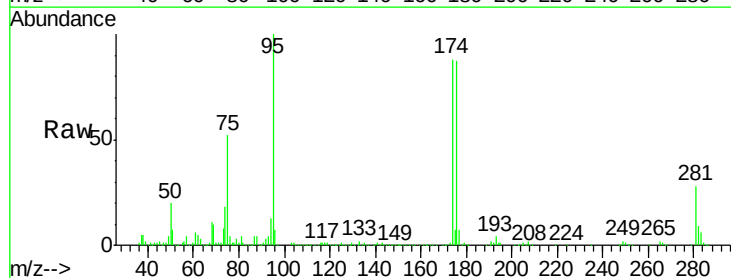
Tgt Ion: 95 Resp: 161837

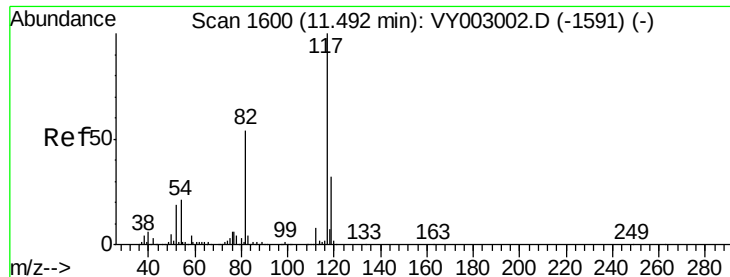
Ion Ratio Lower Upper

95 100

174 93.0 0.0 184.8

176 90.4 0.0 183.0

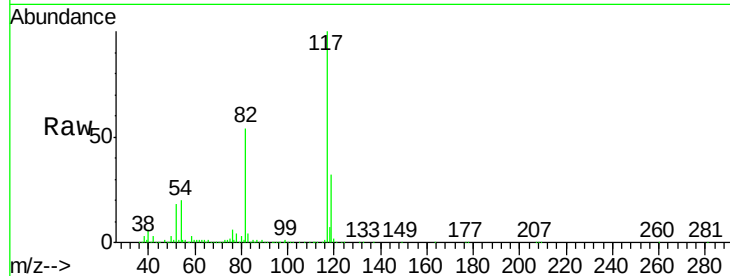




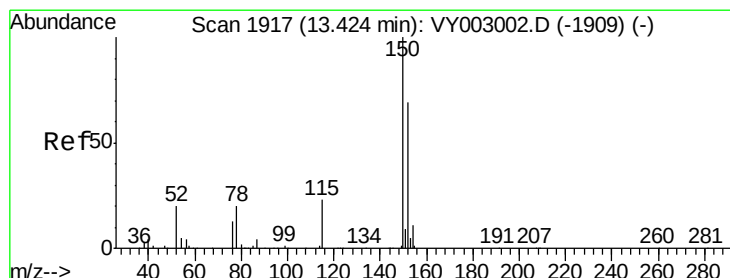
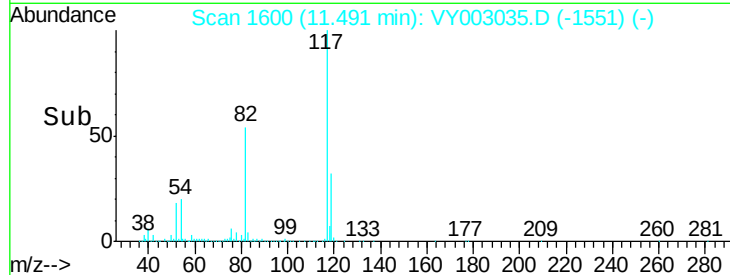
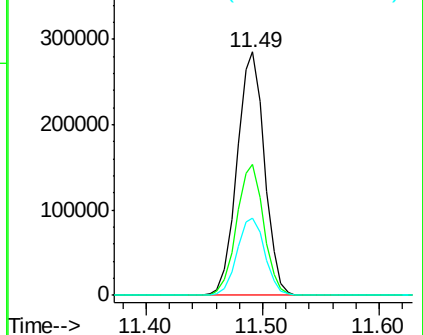
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003035.D
Acq: 30 Jun 2020 15:17

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 466641
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.6
119 31.9 25.8 38.8

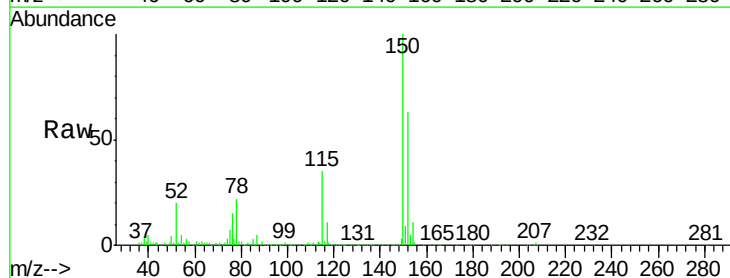


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

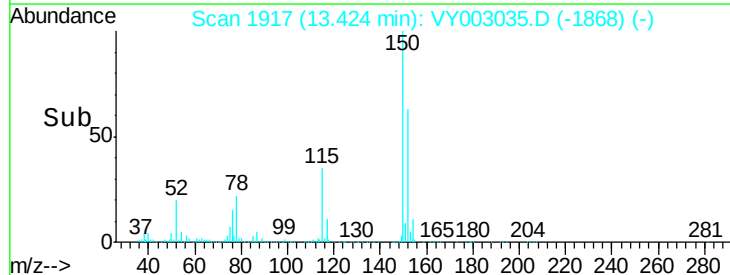
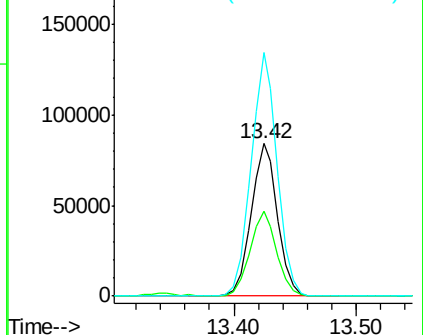


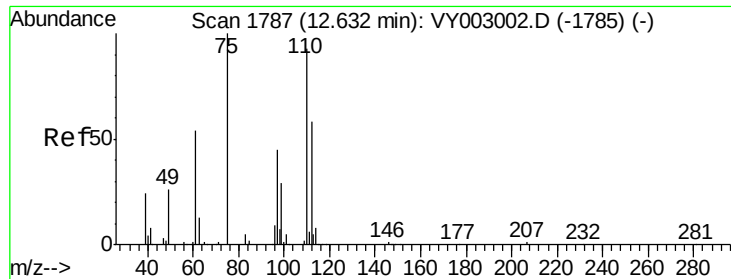
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003035.D
Acq: 30 Jun 2020 15:17

Tgt Ion:152 Resp: 125441
Ion Ratio Lower Upper
152 100
115 56.3 27.3 81.9
150 157.7 0.0 343.4



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: 67.634 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003035.D

Acq: 30 Jun 2020 15:17

Instrument :

MSVOA_Y

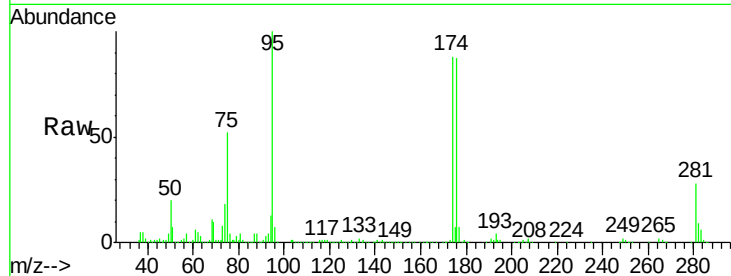
ClientSampled :

Tot Ion: 75 Resp: 83966

Ion Ratio Lower Upper

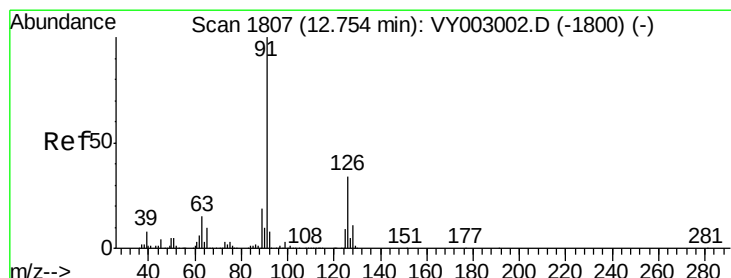
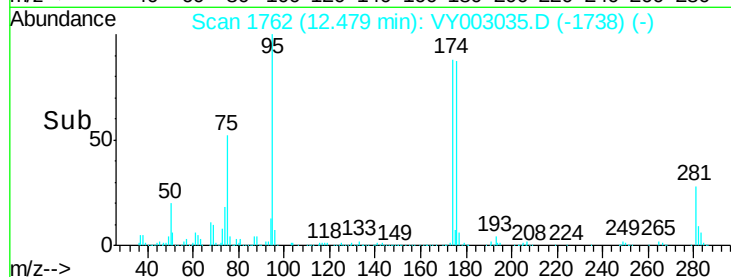
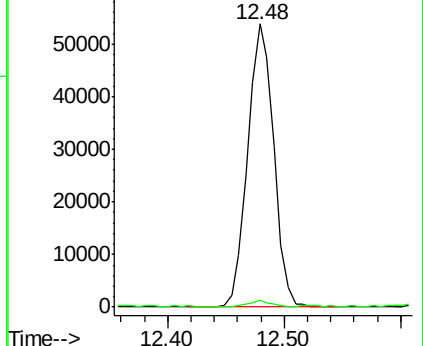
75 100

77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#79

2-Chlorotoluene

Concen: 1.592 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY003035.D

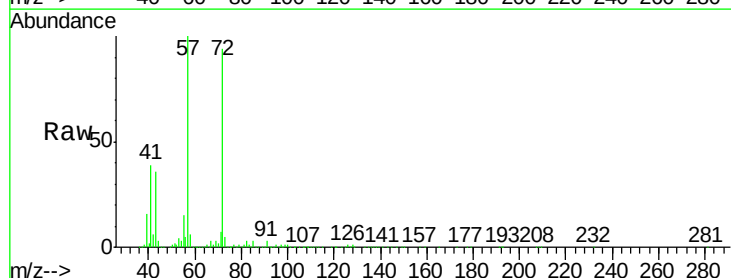
Acq: 30 Jun 2020 15:17

Tgt Ion: 91 Resp: 8771

Ion Ratio Lower Upper

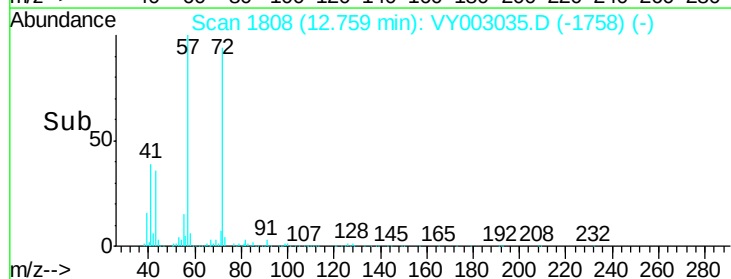
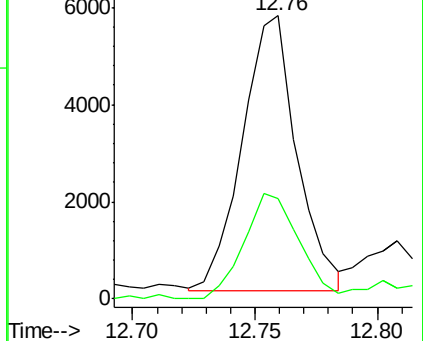
91 100

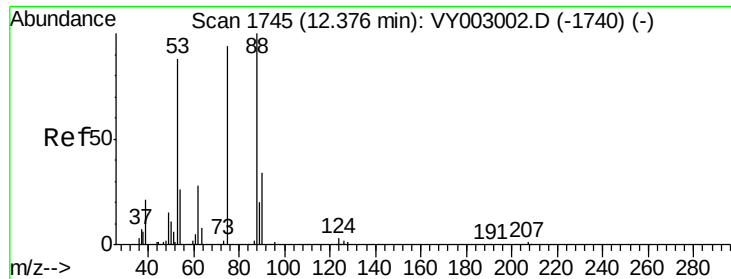
126 38.7 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 131.587 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003035.D

Acq: 30 Jun 2020 15:17

Instrument :

MSVOA_Y

ClientSampleId :

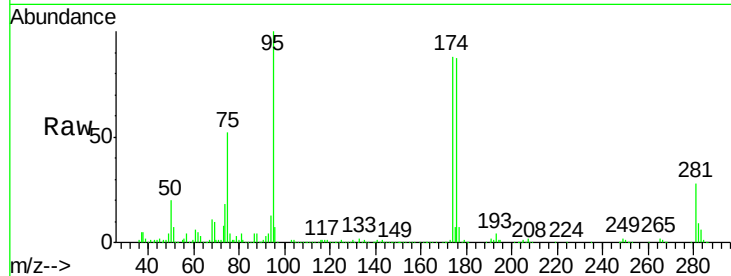
Tot Ion: 75 Resp: 83966

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

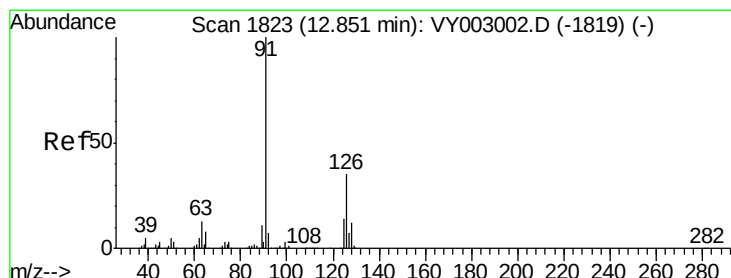
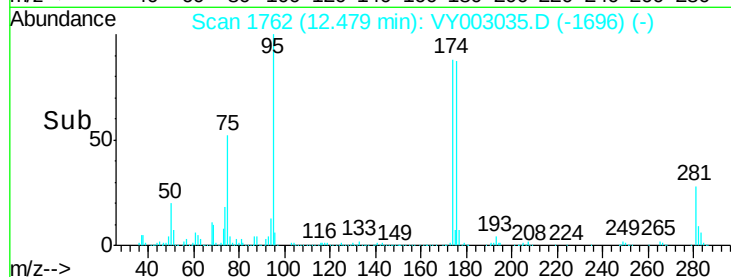
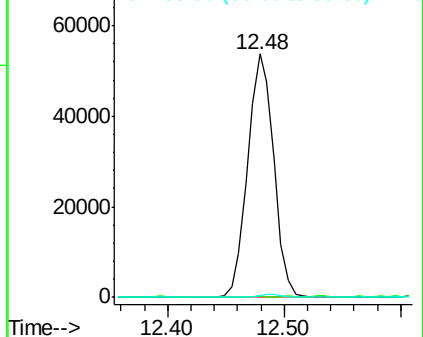
89 0.9 37.5 56.3#



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



#82

4-Chlorotoluene

Concen: 2.556 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY003035.D

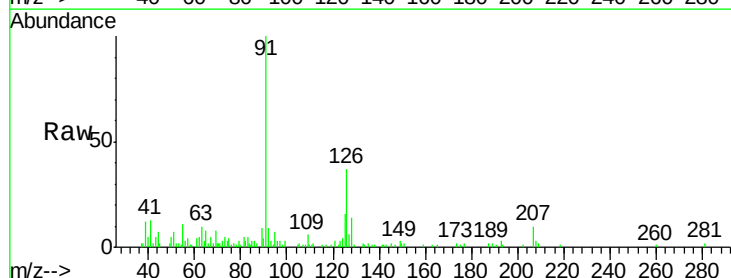
Acq: 30 Jun 2020 15:17

Tgt Ion: 91 Resp: 14664

Ion Ratio Lower Upper

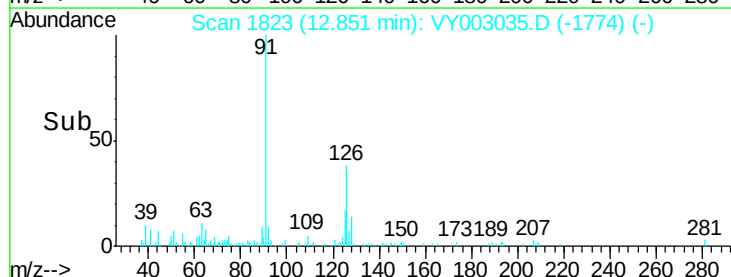
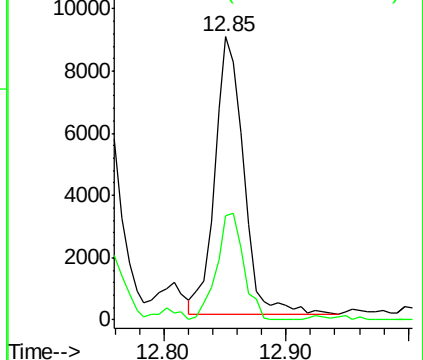
91 100

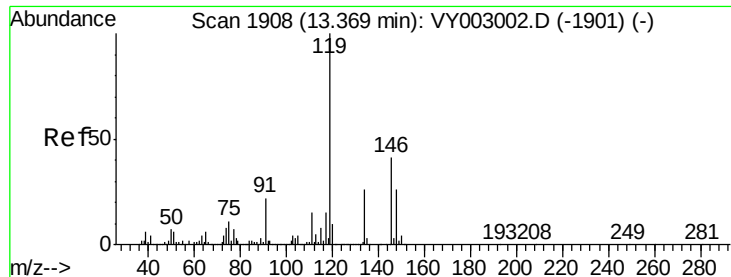
126 35.8 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#86
 p-Isopropyltoluene
 Concen: 1.225 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY003035.D
 Acq: 30 Jun 2020 15:17

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.5	40.4
91	0.0	11.5	34.5

