

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 :
 1399-1400RE

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%	

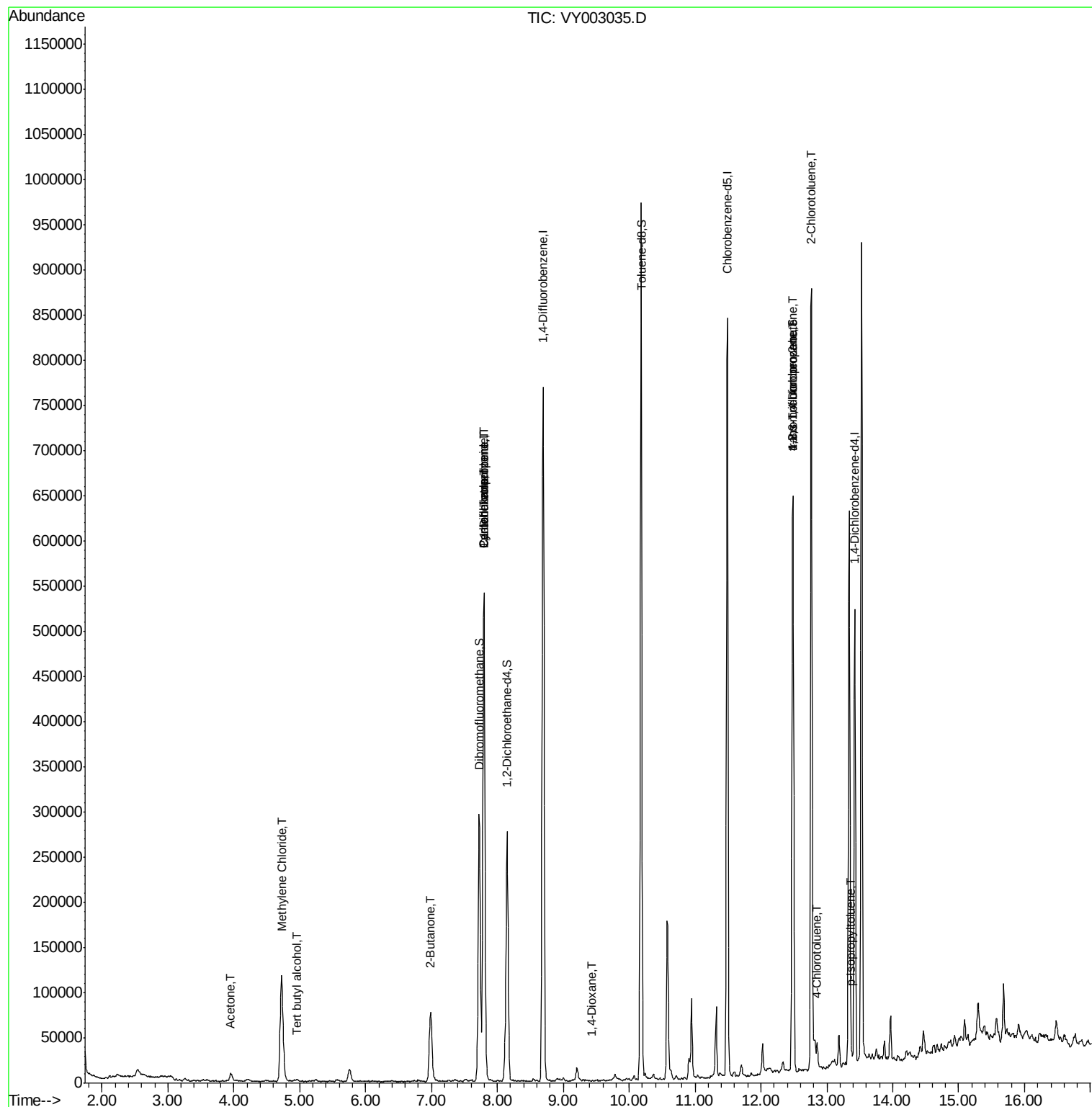
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	898	2.023	ug/l	99
16) Acetone	3.95	43	13851	13.486	ug/l	93
20) Methylene Chloride	4.72	84	89916	14.698	ug/l	91
25) 2-Butanone	6.99	43	4998	3.064	ug/l #	73
31) Cyclohexane	7.80	56	8794	1.148	ug/l #	1
36) 1,1-Dichloropropene	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

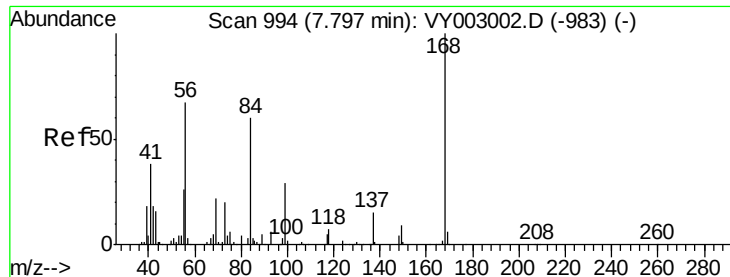
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 :
1399-1400RE

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

ClientSampleId :

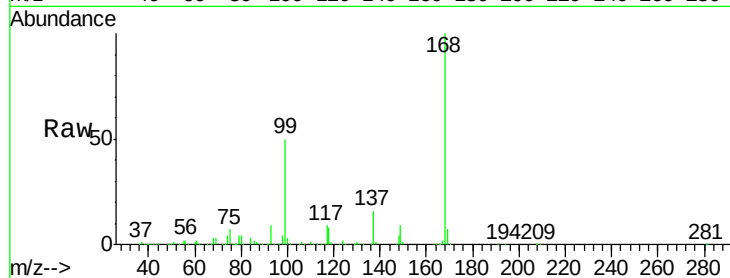
1399-1400RE

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

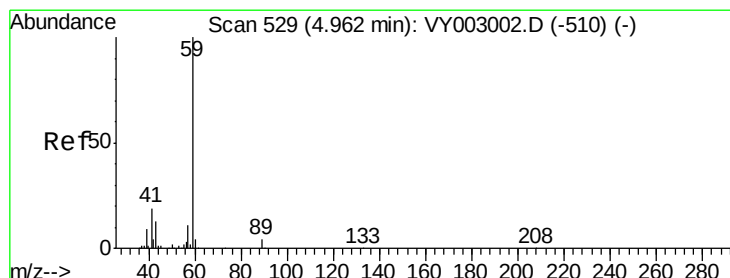
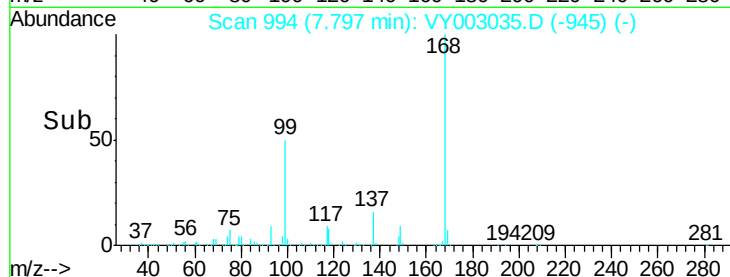
150000

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

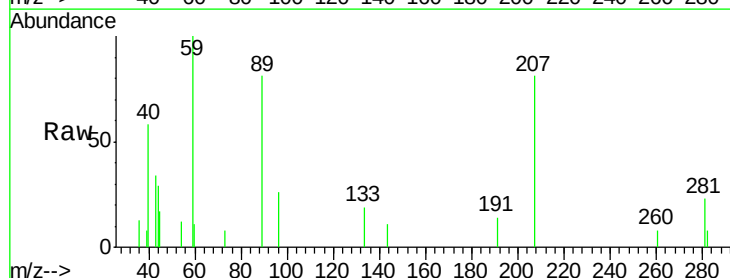
Acq: 30 Jun 2020 15:17

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

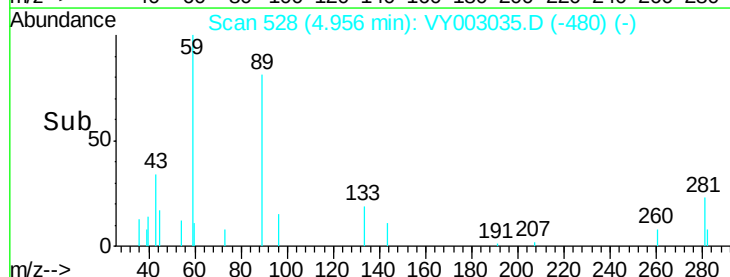
600

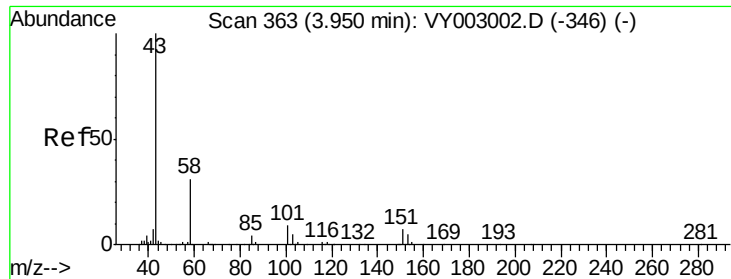
400

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

ClientSampleId :

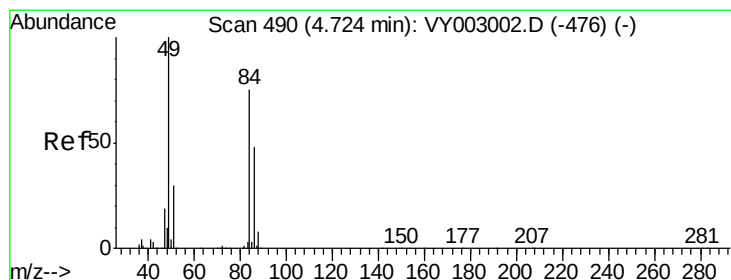
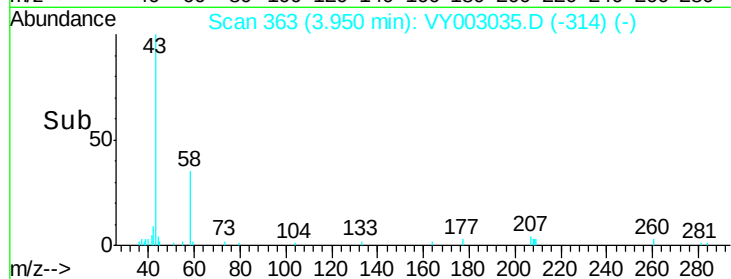
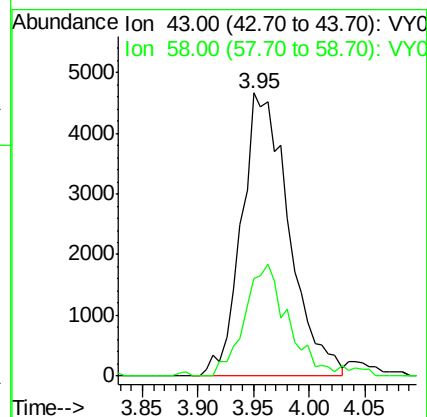
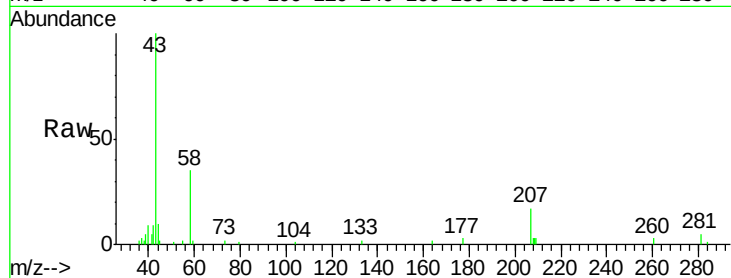
1399-1400RE

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

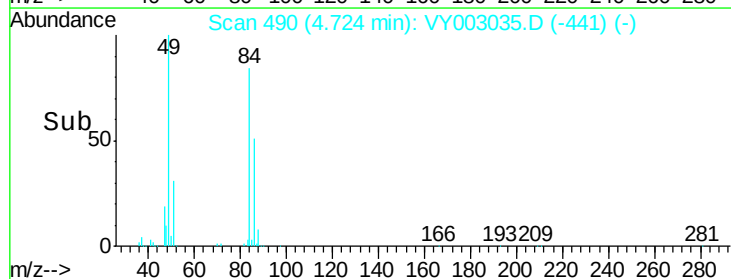
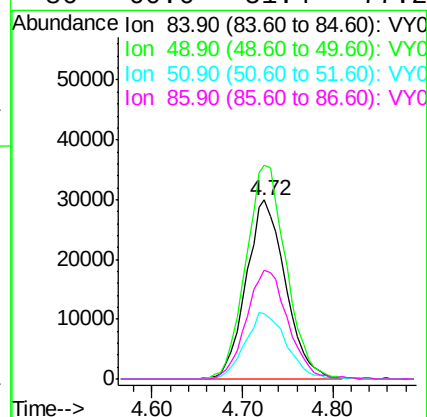
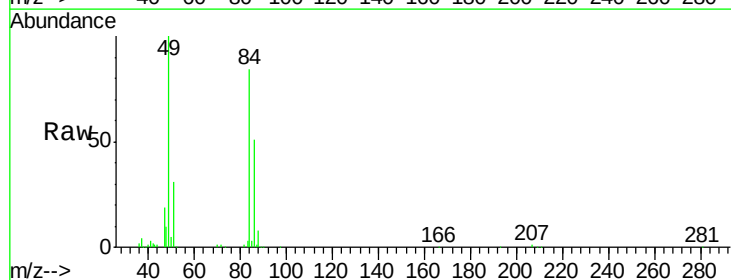
Ion Ratio Lower Upper

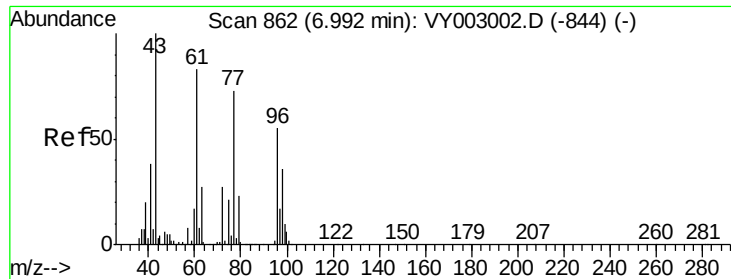
84 100

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 :

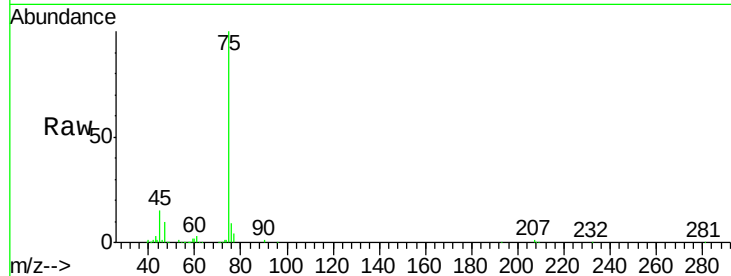
1399-1400RE

Tot Ion: 43 Resp: 4998

Ion Ratio Lower Upper

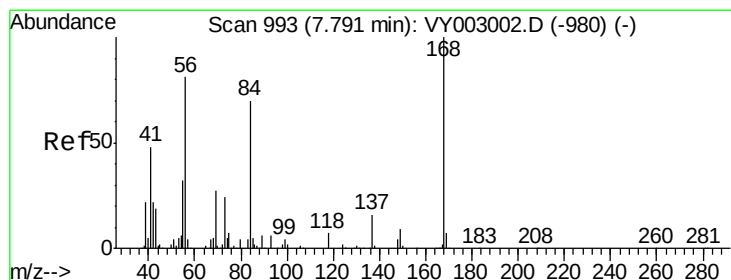
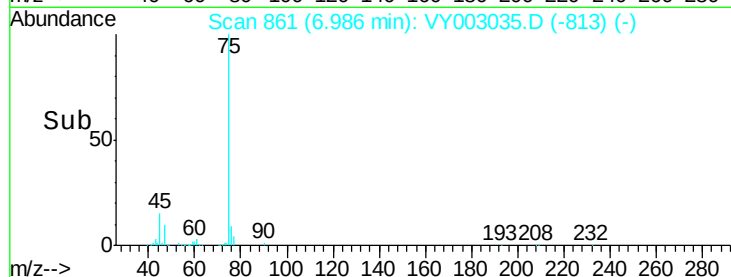
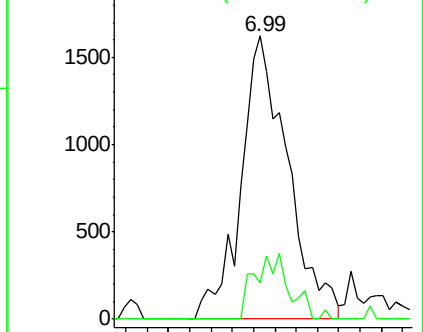
43 100

72 13.0 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#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

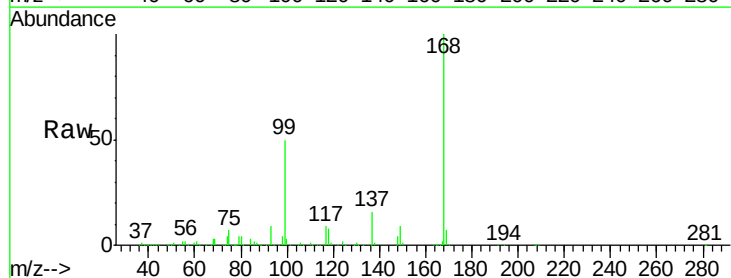
Tgt Ion: 56 Resp: 8794

Ion Ratio Lower Upper

56 100

69 158.4 27.0 40.4#

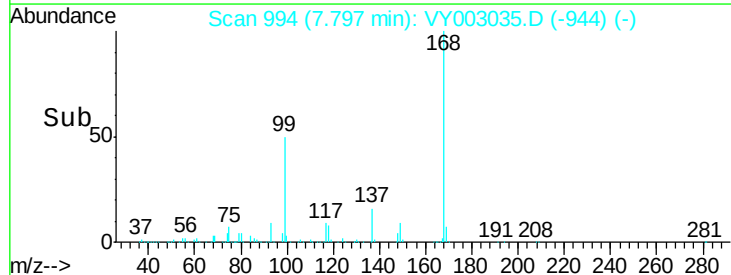
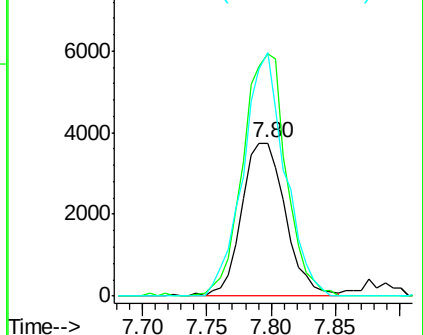
84 159.2 68.1 102.1#

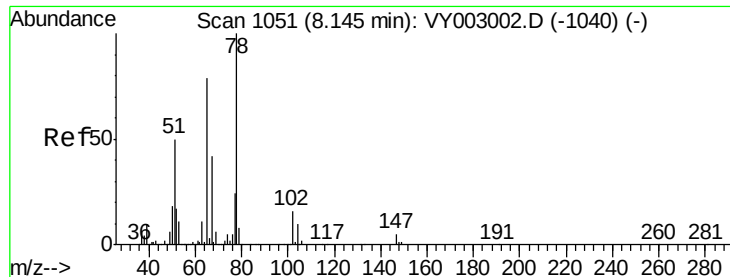


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

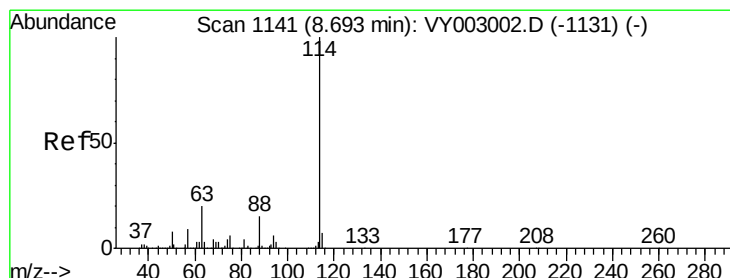
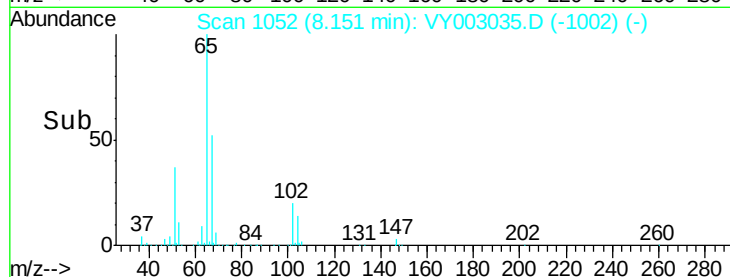
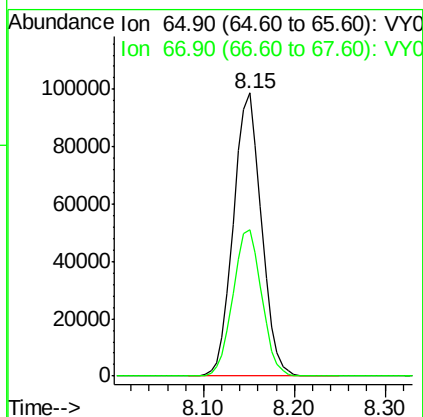
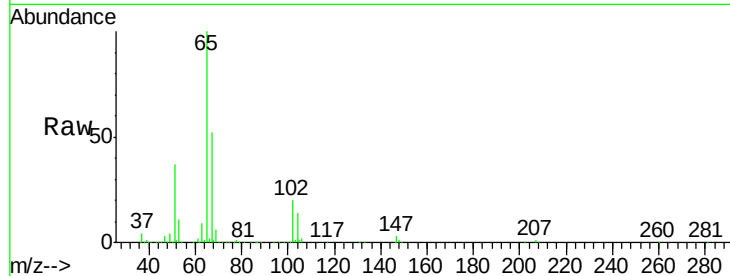




#33
 1,2-Dichloroethane-d4
 Concen: 48.717 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003035.D
 Acq: 30 Jun 2020 15:17

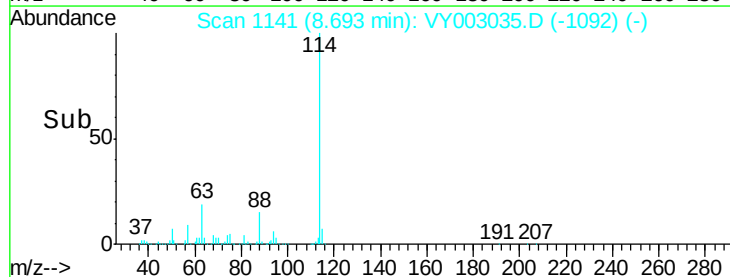
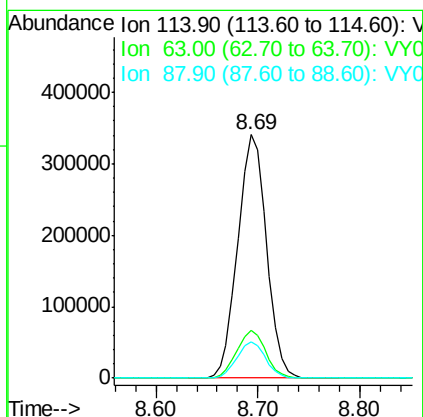
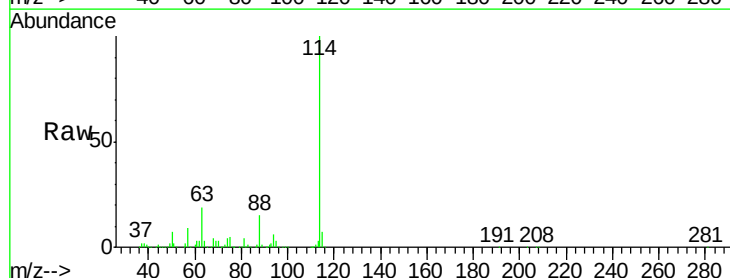
Instrument :
 MSVOA_Y
 ClientSampled :
 1399-1400RE

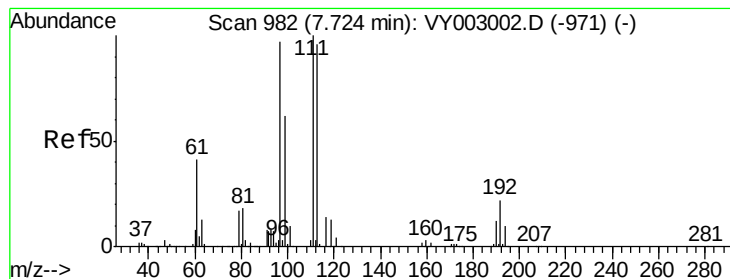
Tot Ion: 65 Resp: 212148
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.6



#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 :

1399-1400RE

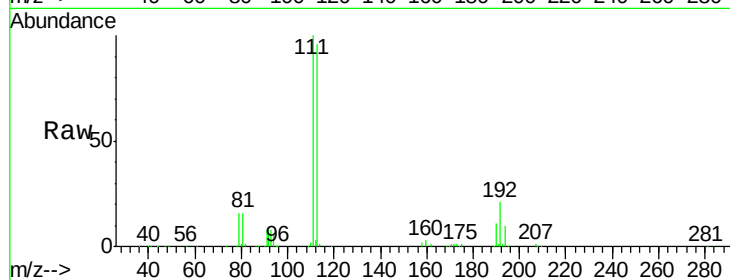
Tot Ion:113 Resp: 204620

Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

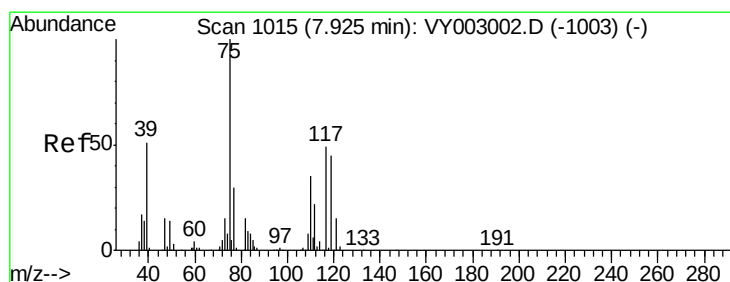
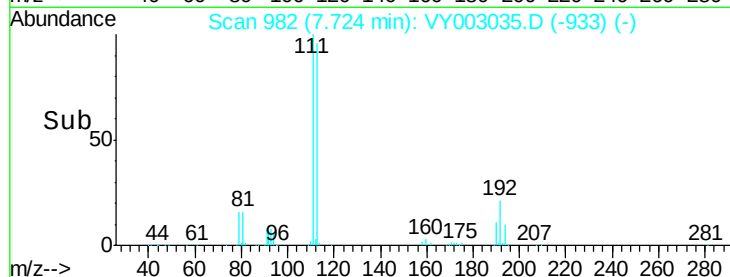
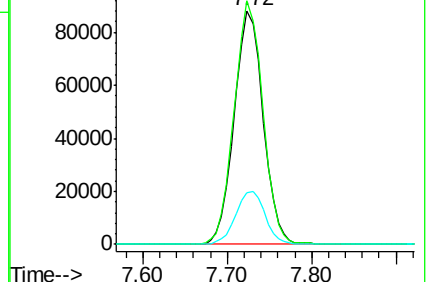
192 23.1 18.1 27.1



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: 4.578 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003035.D

Acq: 30 Jun 2020 15:17

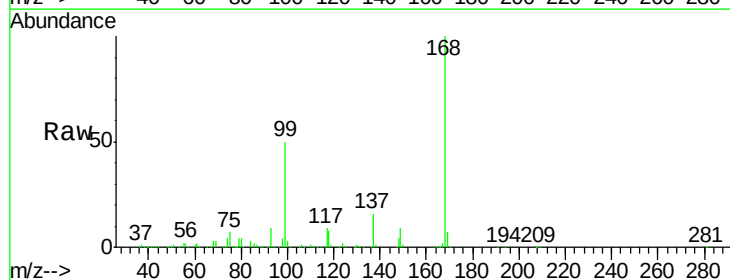
Tgt Ion: 75 Resp: 29366

Ion Ratio Lower Upper

75 100

110 8.8 17.1 51.2#

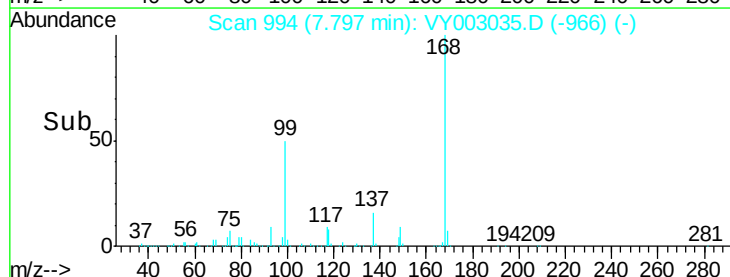
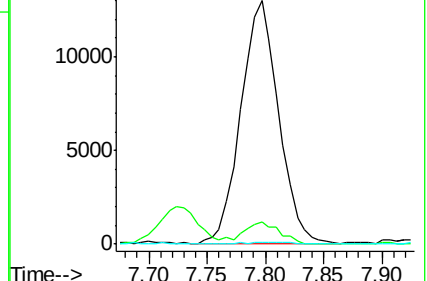
77 0.7 24.9 37.3#

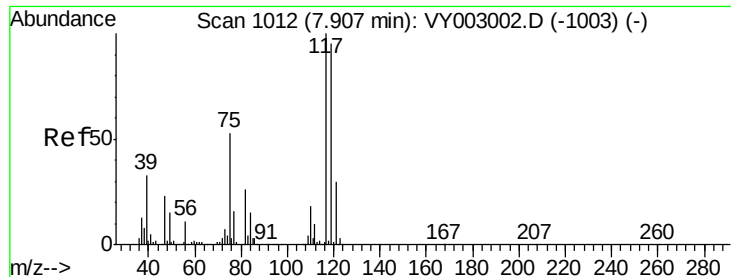


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.085 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 :

1399-1400RE

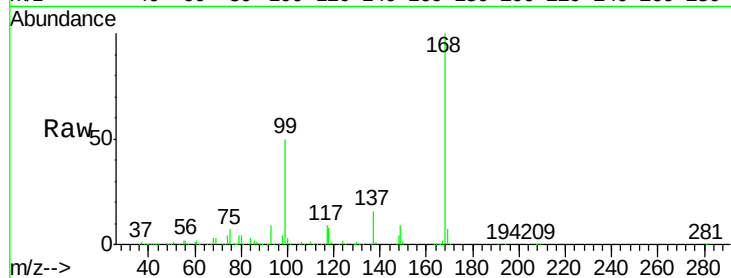
Tot Ion:117 Resp: 40609

Ion Ratio Lower Upper

117 100

119 5.5 75.7 113.5#

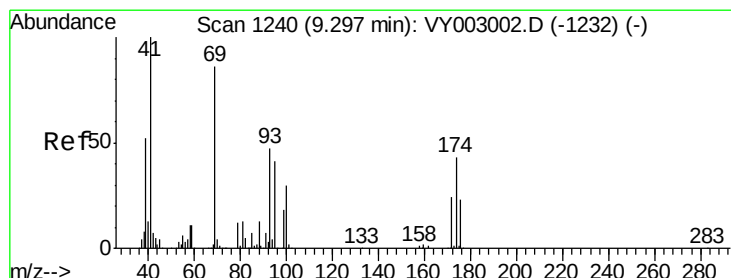
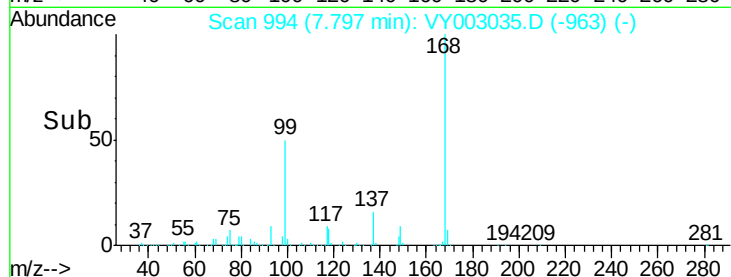
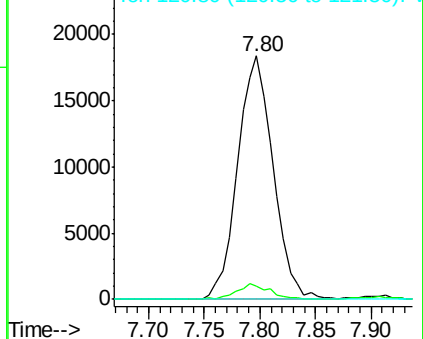
121 0.0 23.9 35.9#



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

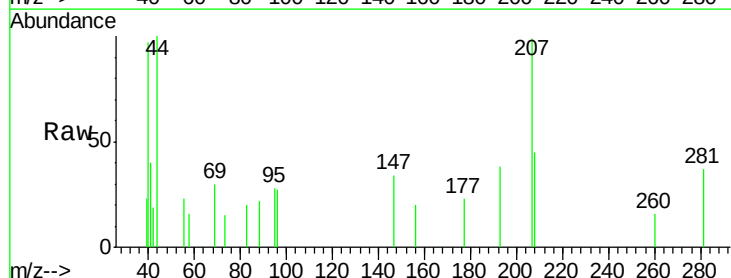
Tgt Ion: 88 Resp: 51

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

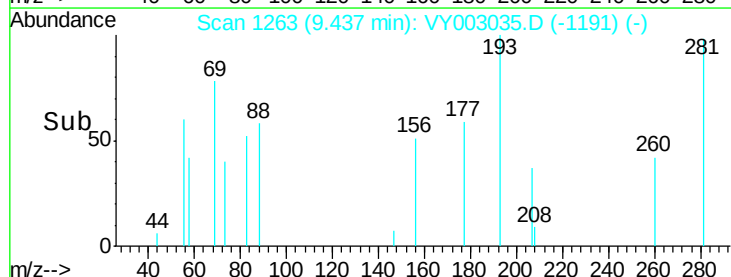
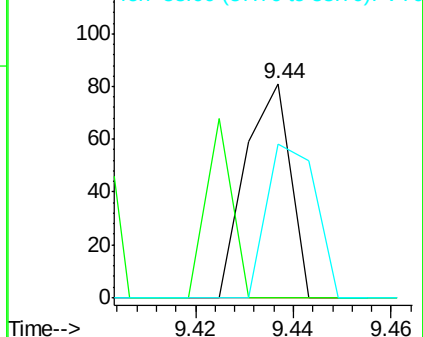
58 78.4 56.7 85.1

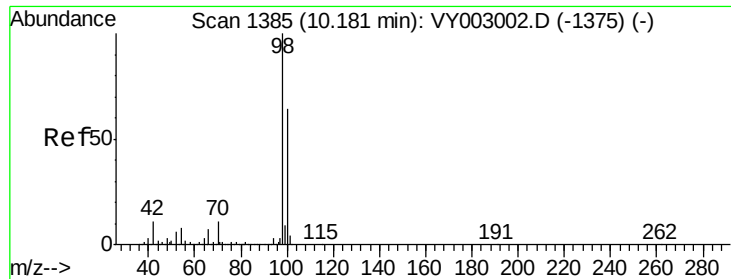


Abundance Ion 88.00 (87.70 to 88.70): VY0

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 :

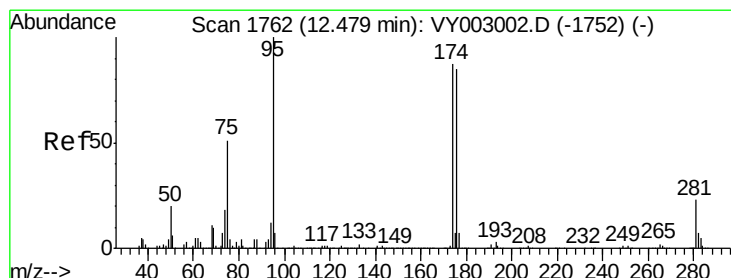
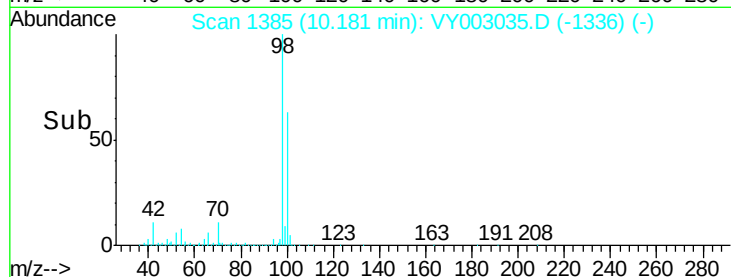
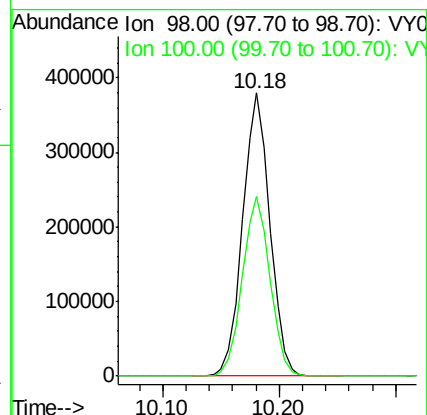
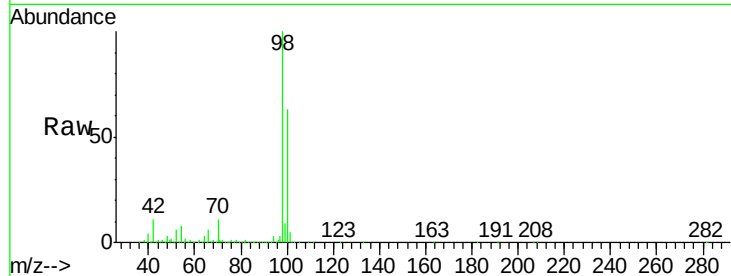
1399-1400RE

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

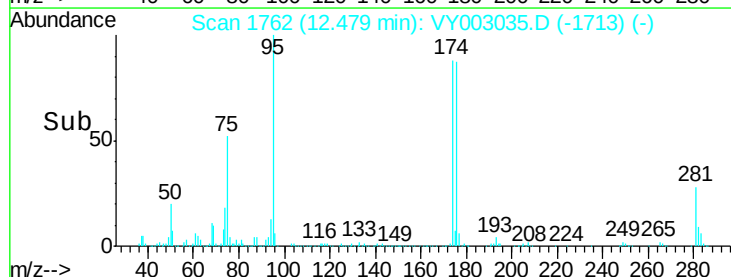
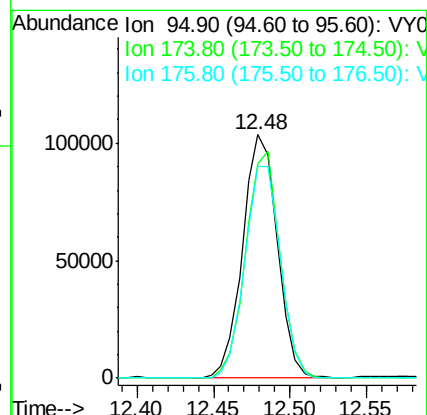
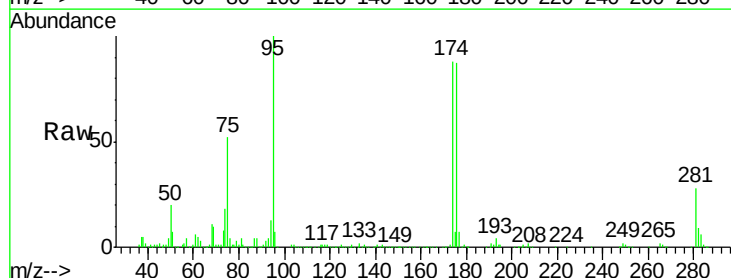
Tgt Ion: 95 Resp: 161837

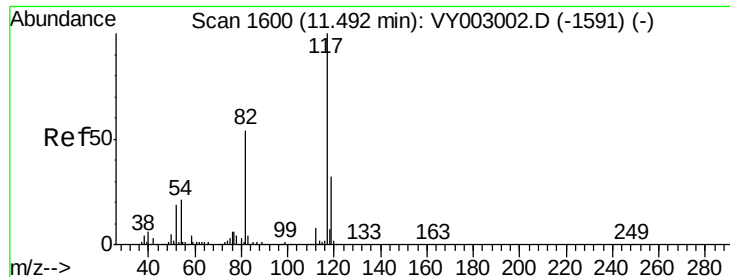
Ion Ratio Lower Upper

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 :

1399-1400RE

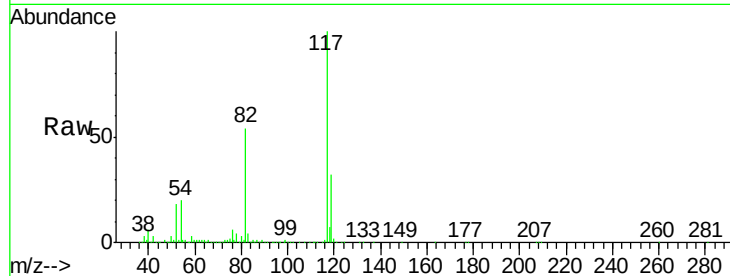
Tot Ion:117 Resp: 466641

Ion Ratio Lower Upper

117 100

82 53.7 43.0 64.6

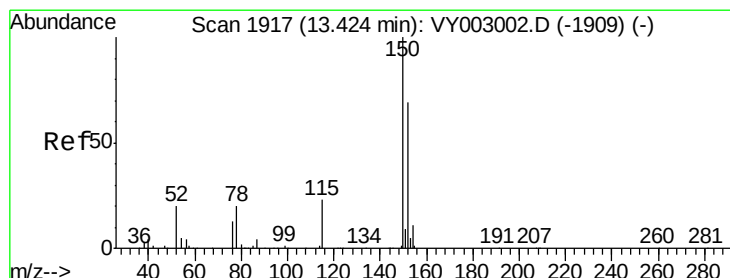
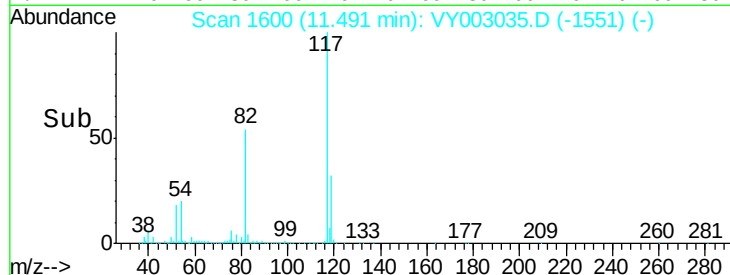
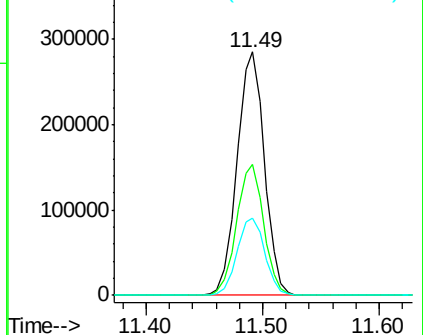
119 31.9 25.8 38.8



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

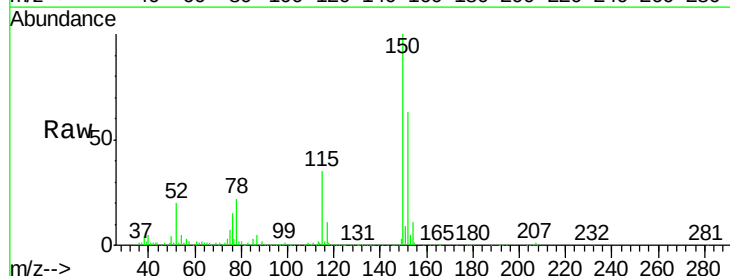
Tgt Ion:152 Resp: 125441

Ion Ratio Lower Upper

152 100

115 56.3 27.3 81.9

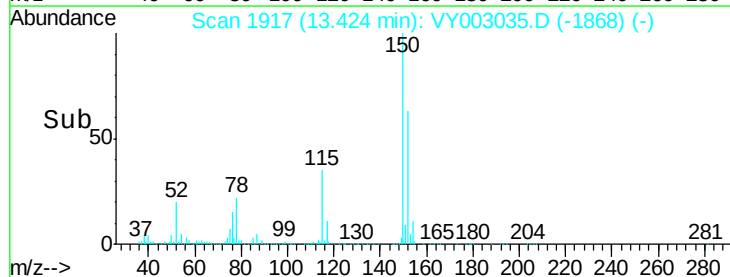
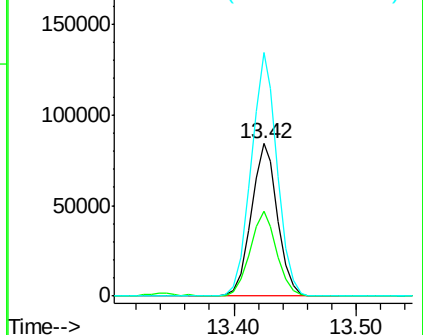
150 157.7 0.0 343.4

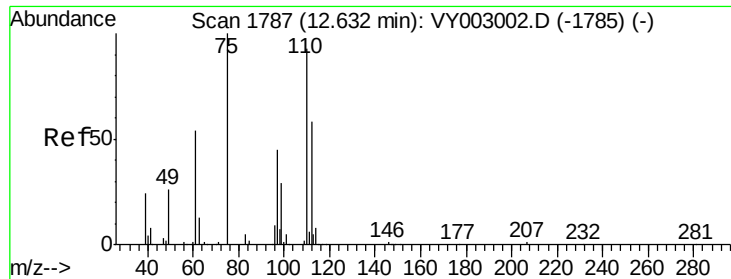


Abundance Ion 151.90 (151.60 to 152.60): V

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

ClientSampleId :

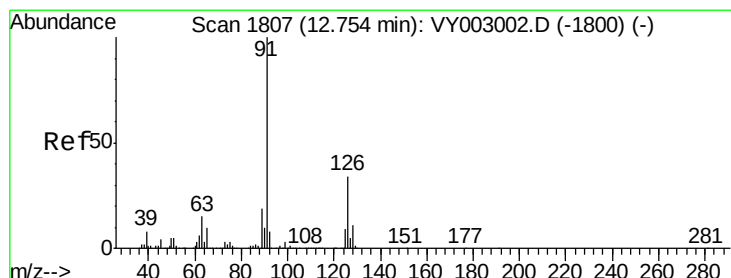
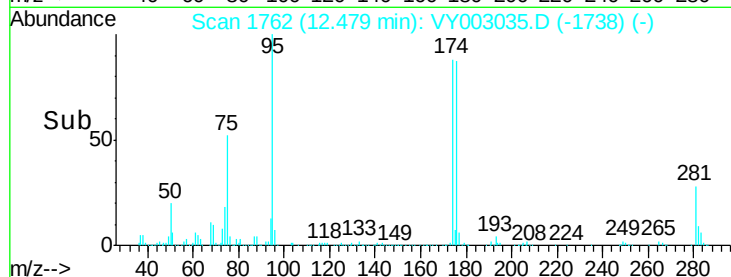
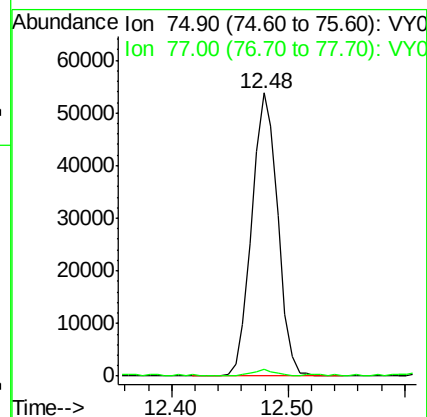
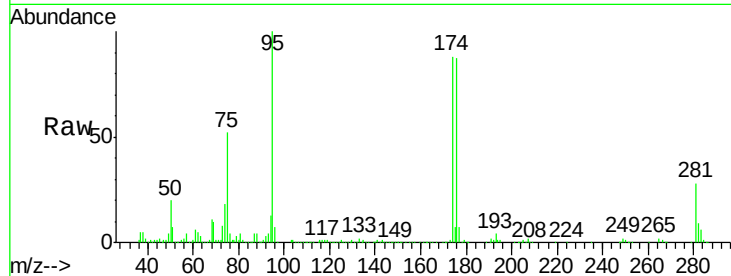
1399-1400RE

Tot Ion: 75 Resp: 83966

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#79

2-Chlorotoluene

Concen: 1.592 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY003035.D

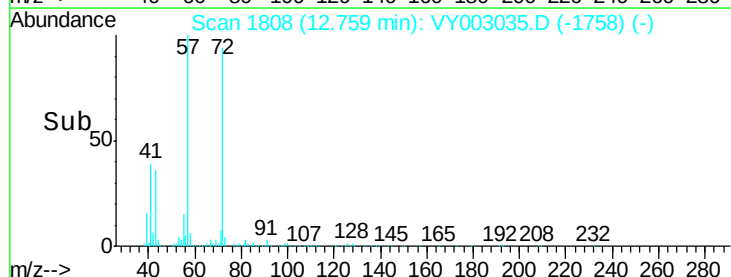
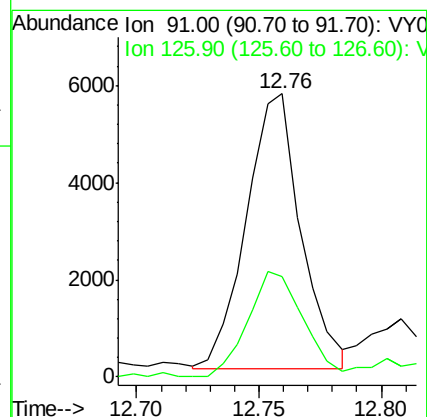
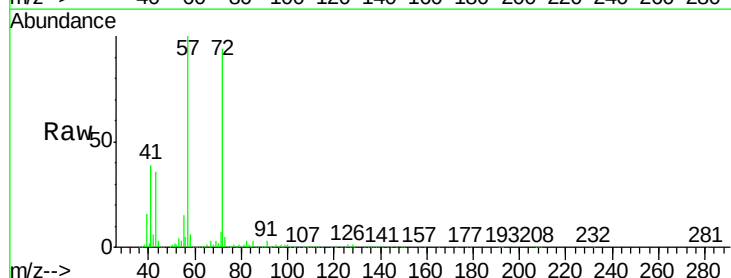
Acq: 30 Jun 2020 15:17

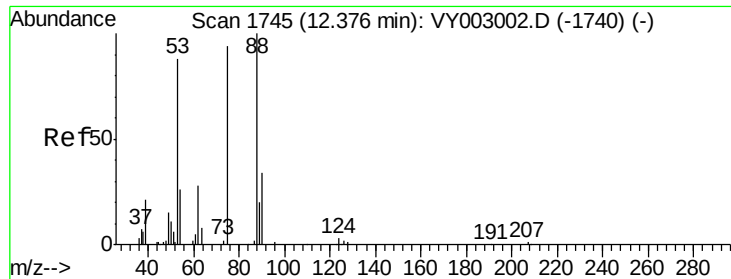
Tgt Ion: 91 Resp: 8771

Ion Ratio Lower Upper

91 100

126 38.7 17.1 51.3

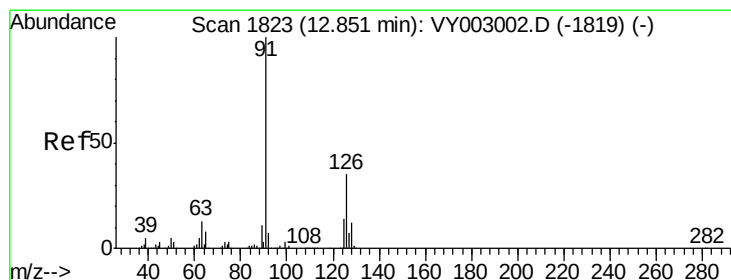
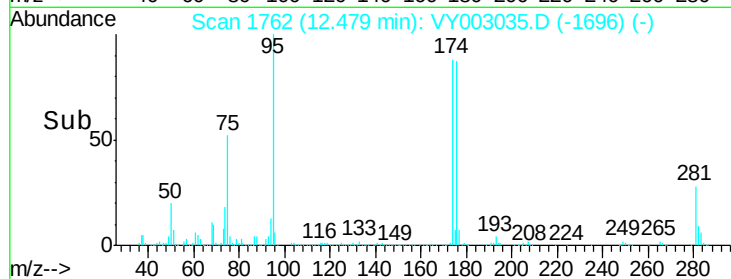
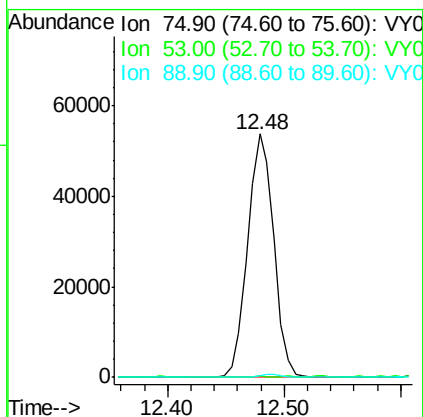
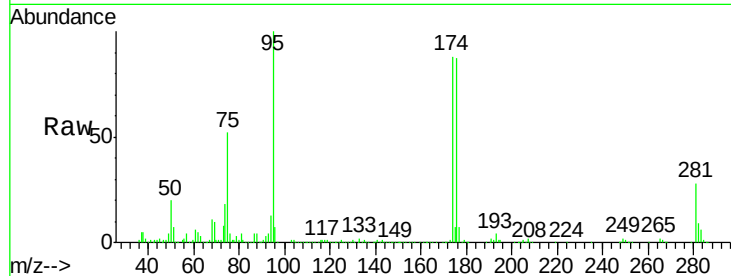




#81
trans-1,4-Dichloro-2-butene
Concen: 131.587 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY003035.D
Acq: 30 Jun 2020 15:17

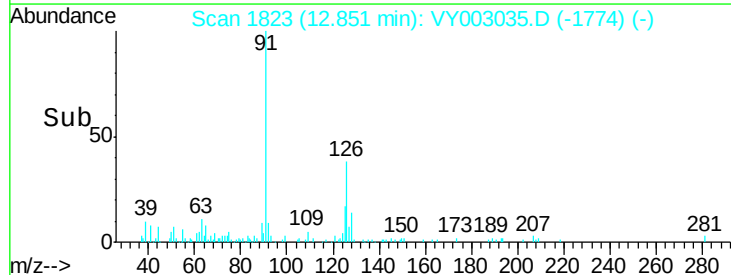
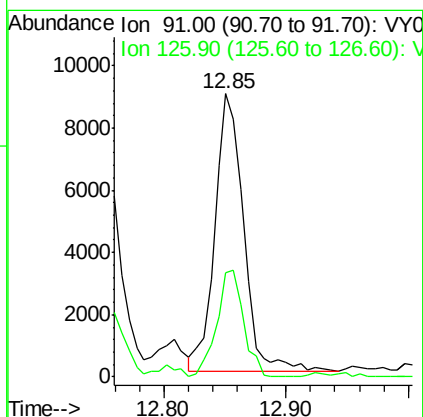
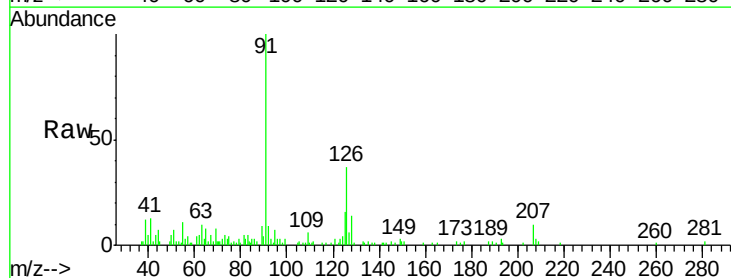
Instrument :
MSVOA_Y
ClientSampleId :
1399-1400RE

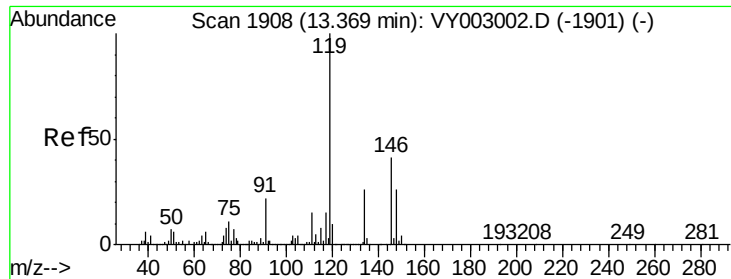
Tot Ion	Ratio	Lower	Upper
75	100		
53	0.1	73.9	110.9#
89	0.9	37.5	56.3#



#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	Ratio	Lower	Upper
91	100		
126	35.8	17.4	52.3





#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 :
 1399-1400RE

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

