

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
 Data File : VY003027.D
 Acq On : 30 Jun 2020 11:06
 Operator : SY/MD
 Sample : VY0630SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 01 05:06:46 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	527767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	774375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	709102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	374768	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	254730	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
35) Dibromofluoromethane	7.72	113	242601	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	10.18	98	890663	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.48	95	316015	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	

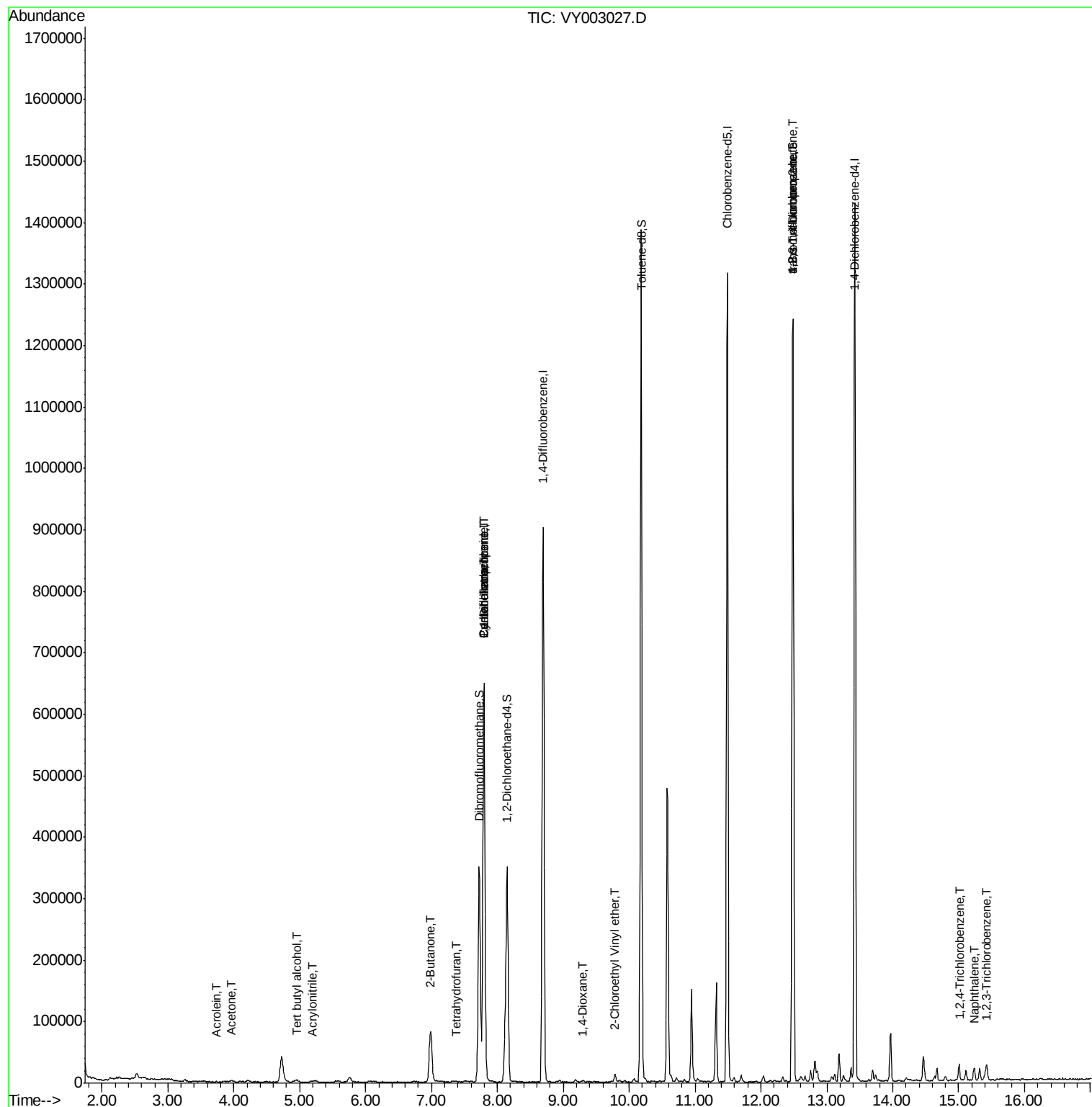
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	4427	8.287	ug/l #	83
13) Acrolein	3.74	56	559	1.165	ug/l	89
15) Acrylonitrile	5.19	53	2044	1.436	ug/l #	87
16) Acetone	3.96	43	3713	3.003	ug/l	97
20) Methylene Chloride	4.73	84	30503	Below Cal		95
25) 2-Butanone	6.99	43	5500	2.801	ug/l #	81
29) Tetrahydrofuran	7.37	42	1491	1.142	ug/l #	79
31) Cyclohexane	7.79	56	10193	1.106	ug/l #	6
36) 1,1-Dichloropropene	7.80	75	36311	4.868	ug/l #	51
38) Carbon Tetrachloride	7.80	117	46678	6.015	ug/l #	17
49) 1,4-Dioxane	9.30	88	135	3.604	ug/l #	56
58) 2-Chloroethyl Vinyl ether	9.78	63	5284	1.669	ug/l #	86
76) 1,2,3-Trichloropropane	12.48	75	165264	44.557	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	165264	86.689	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.01	180	8083	1.033	ug/l	100
95) Naphthalene	15.24	128	17022	1.191	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	8110	1.193	ug/l	96

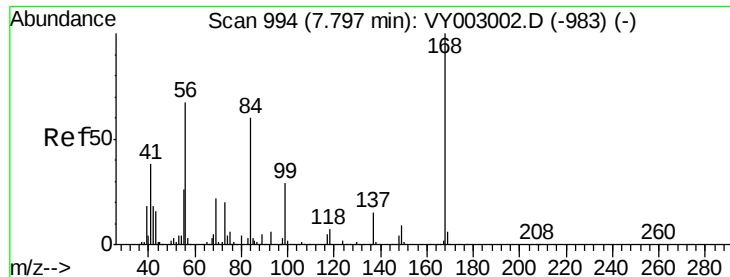
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
Data File : VY003027.D
Acq On : 30 Jun 2020 11:06
Operator : SY/MD
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Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Jul 01 05:06:46 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: VY003027.D

Acq: 30 Jun 2020 11:06

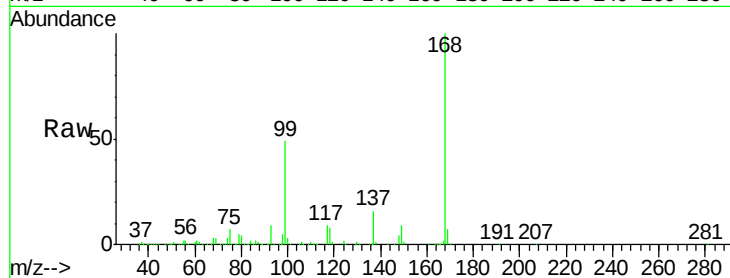
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 527767

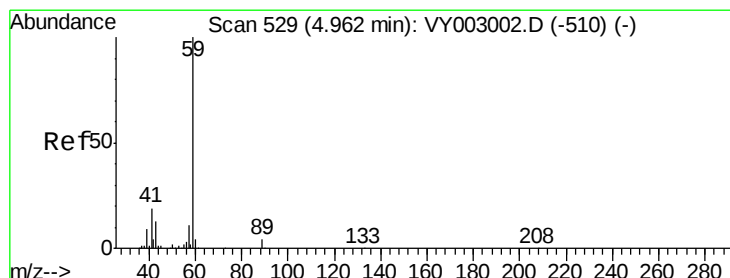
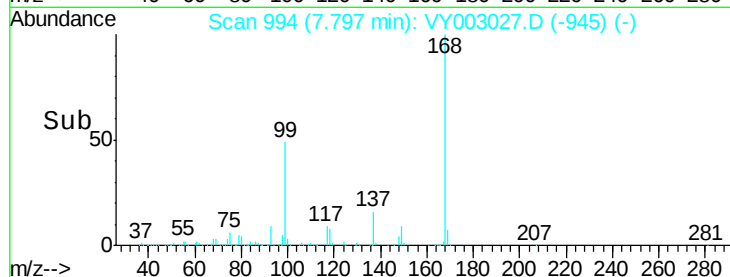
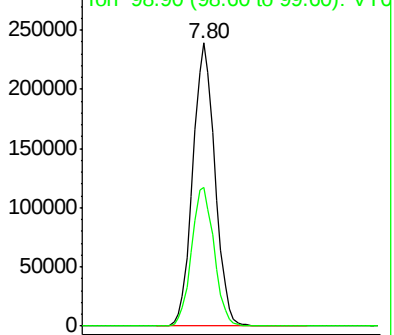
Ion Ratio Lower Upper

168 100

99 49.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003027.D (-945) (-)



#11

Tert butyl alcohol

Concen: 8.287 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY003027.D

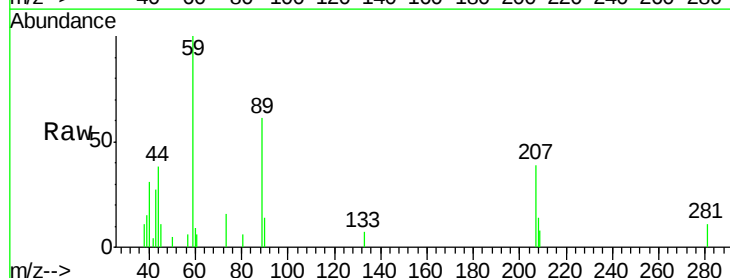
Acq: 30 Jun 2020 11:06

Tgt Ion: 59 Resp: 4427

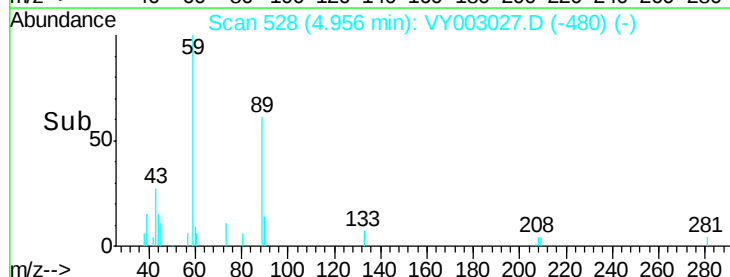
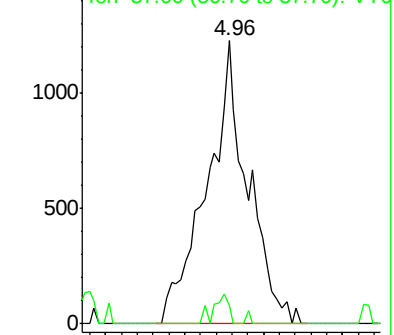
Ion Ratio Lower Upper

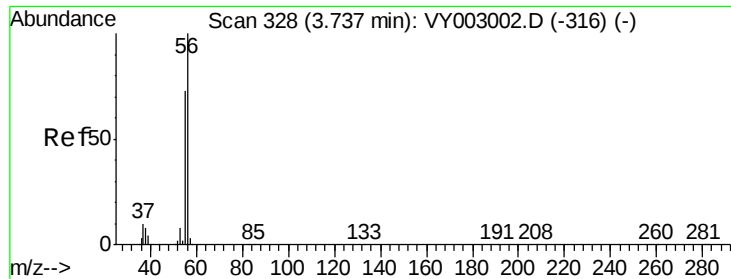
59 100

57 3.8 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003027.D (-480) (-)

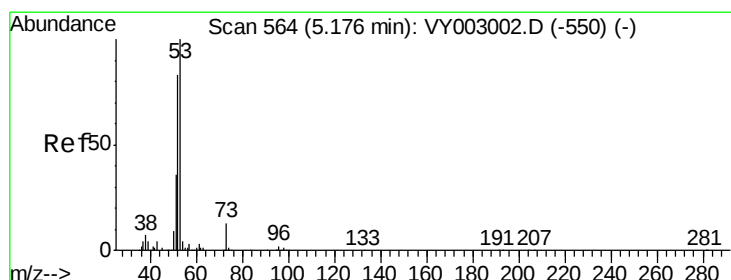
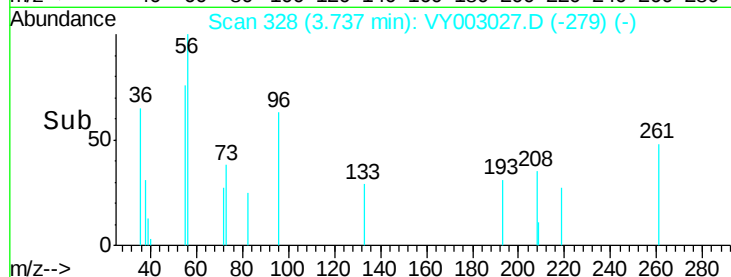
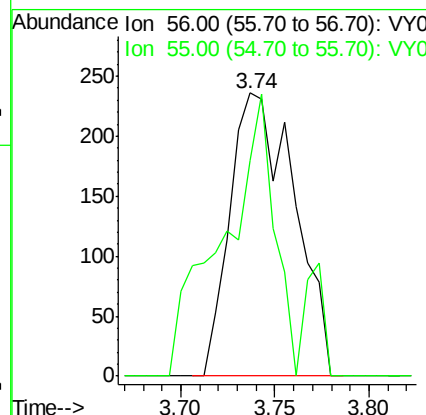
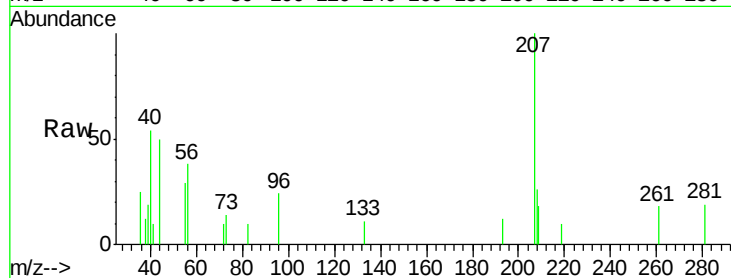




#13
Acrolein
Concen: 1.165 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.00 min
Lab File: VY003027.D
Acq: 30 Jun 2020 11:06

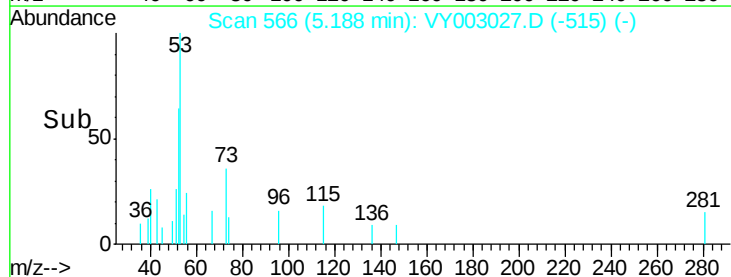
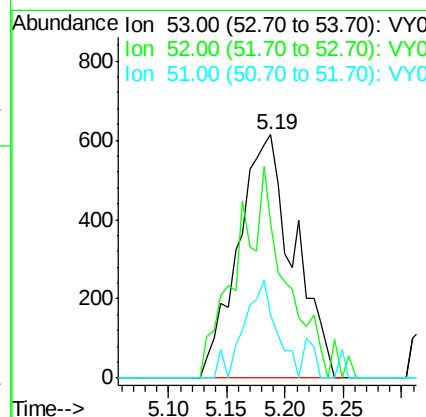
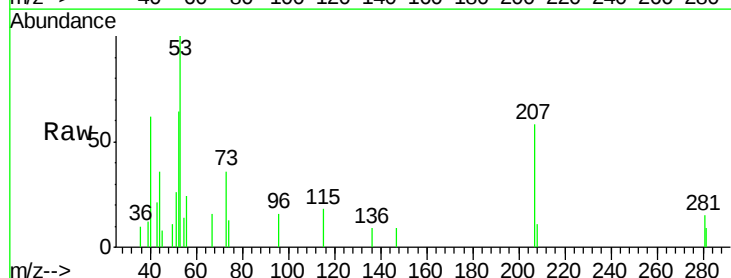
Instrument :
MSVOA_Y
ClientSampleId :

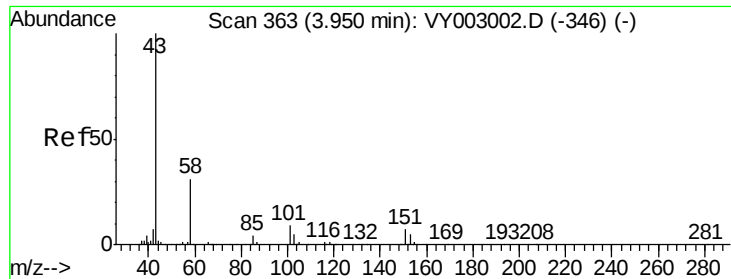
Tot Ion: 56 Resp: 559
Ion Ratio Lower Upper
56 100
55 79.8 56.4 84.6



#15
Acrylonitrile
Concen: 1.436 ug/l
RT: 5.19 min Scan# 566
Delta R.T. 0.01 min
Lab File: VY003027.D
Acq: 30 Jun 2020 11:06

Tgt Ion: 53 Resp: 2044
Ion Ratio Lower Upper
53 100
52 74.7 66.2 99.2
51 23.6 29.5 44.3#





#16

Acetone

Concen: 3.003 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003027.D

Acq: 30 Jun 2020 11:06

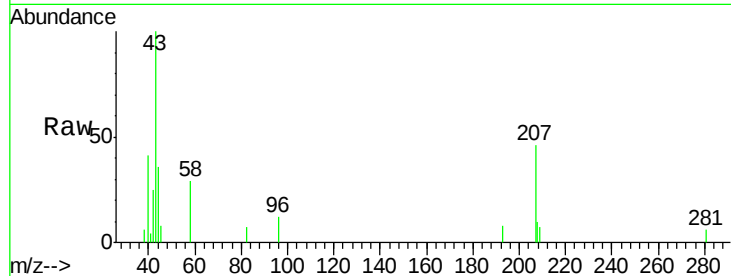
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 3713

Ion Ratio Lower Upper

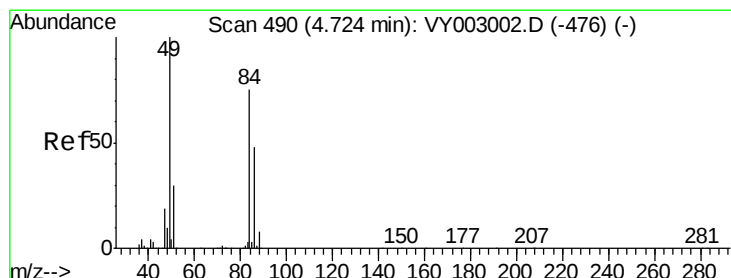
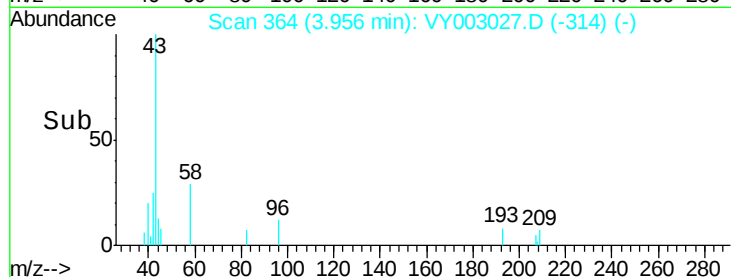
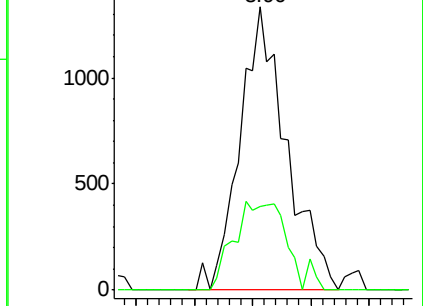
43 100

58 29.4 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY003002.D (-346) (-)

Ion 58.00 (57.70 to 58.70): VY003002.D (-346) (-)



#20

Methylene Chloride

Concen: Below Cal

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY003027.D

Acq: 30 Jun 2020 11:06

Tgt Ion: 84 Resp: 30503

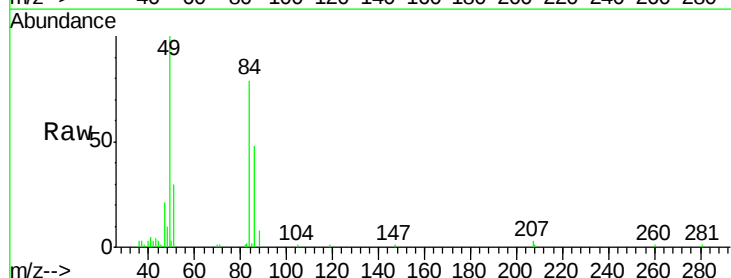
Ion Ratio Lower Upper

84 100

49 126.9 106.8 160.2

51 38.1 32.0 48.0

86 61.2 51.4 77.2

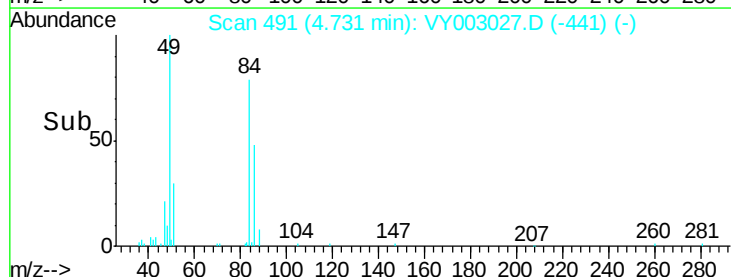
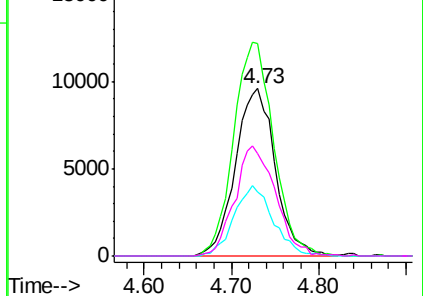


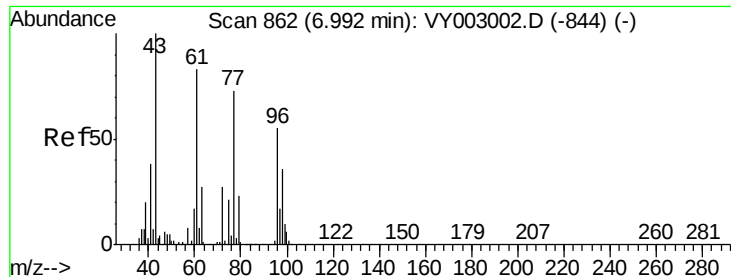
Abundance Ion 83.90 (83.60 to 84.60): VY003002.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY003002.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY003002.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY003002.D (-476) (-)





#25

2-Butanone

Concen: 2.801 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003027.D

Acq: 30 Jun 2020 11:06

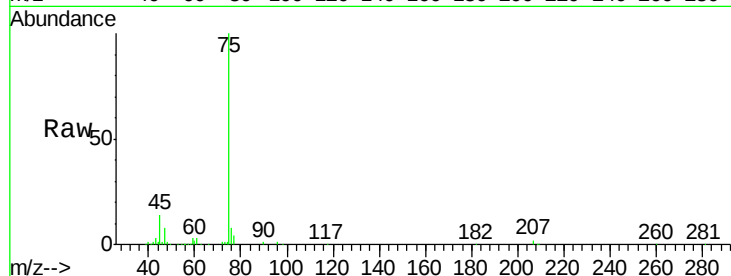
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 5500

Ion Ratio Lower Upper

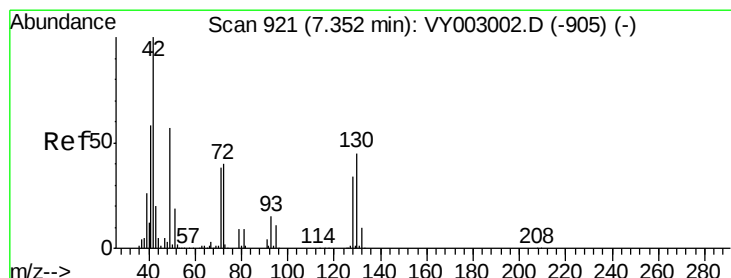
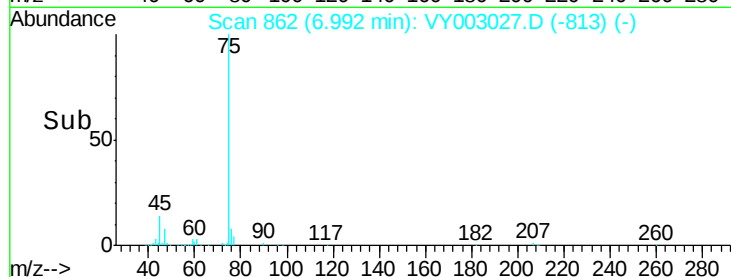
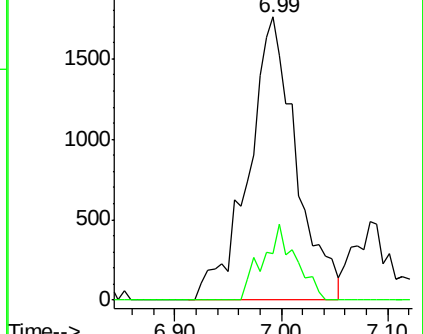
43 100

72 16.7 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#29

Tetrahydrofuran

Concen: 1.142 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.02 min

Lab File: VY003027.D

Acq: 30 Jun 2020 11:06

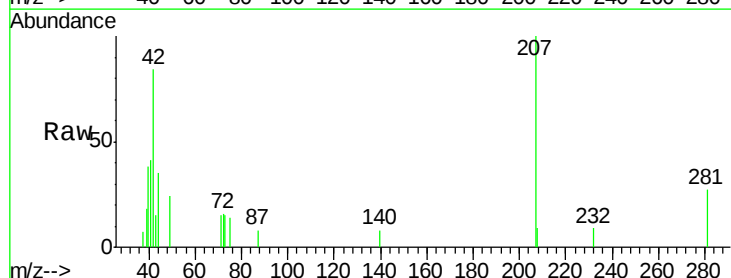
Tgt Ion: 42 Resp: 1491

Ion Ratio Lower Upper

42 100

72 26.0 32.9 49.3#

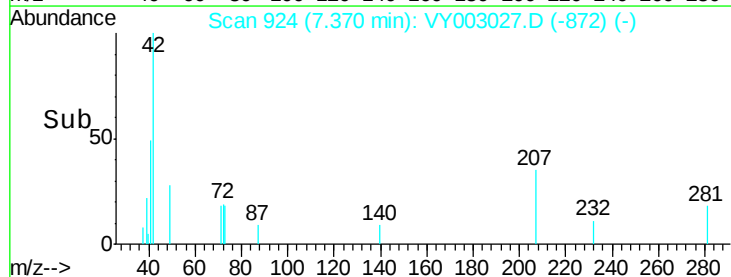
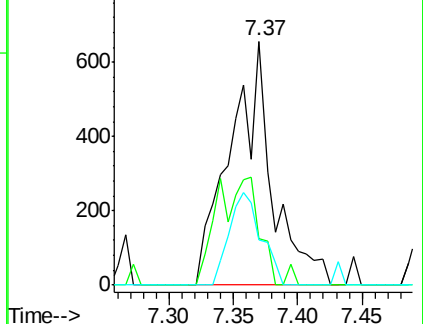
71 28.8 31.2 46.8#

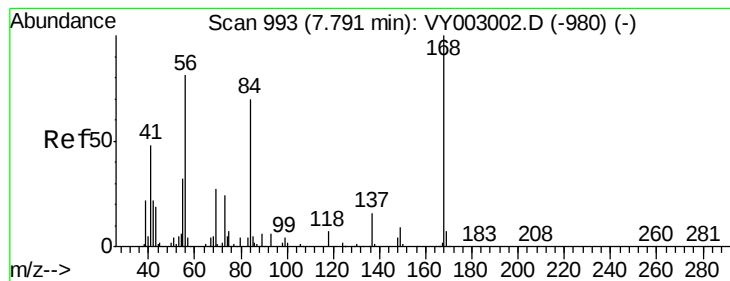


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0





#31

Cyclohexane

Concen: 1.106 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003027.D

Acq: 30 Jun 2020 11:06

Instrument :

MSVOA_Y

ClientSampled :

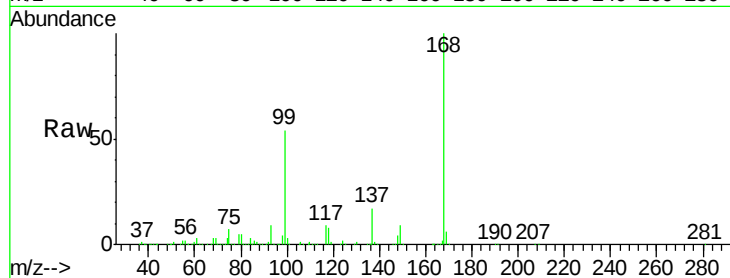
Tot Ion: 56 Resp: 10193

Ion Ratio Lower Upper

56 100

69 147.8 27.0 40.4#

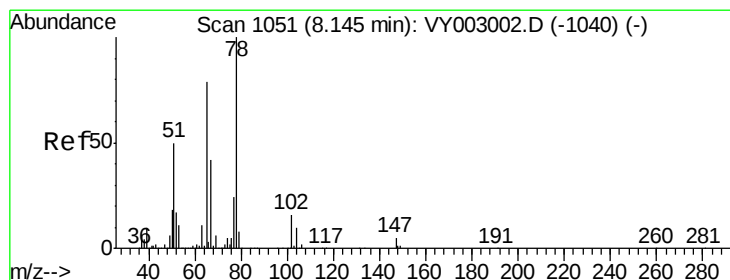
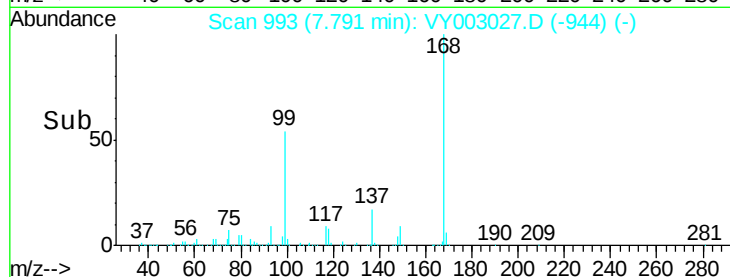
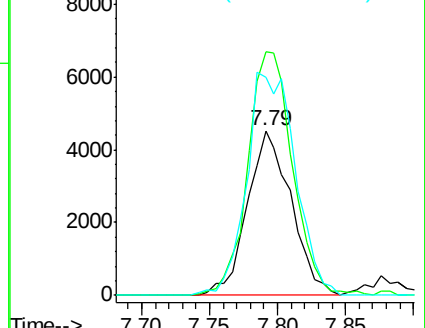
84 132.1 68.1 102.1#



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: 48.596 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003027.D

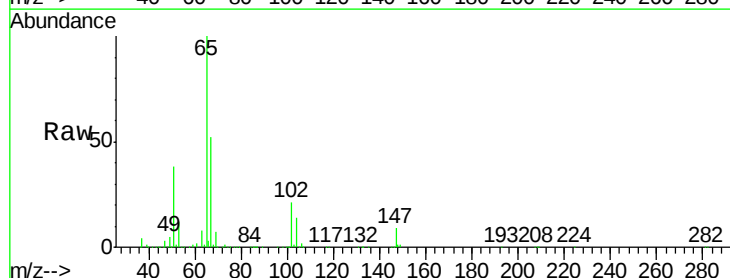
Acq: 30 Jun 2020 11:06

Tgt Ion: 65 Resp: 254730

Ion Ratio Lower Upper

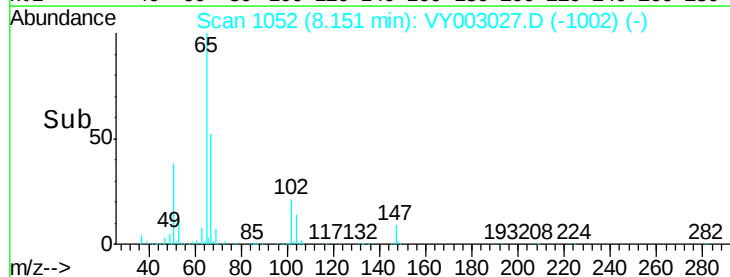
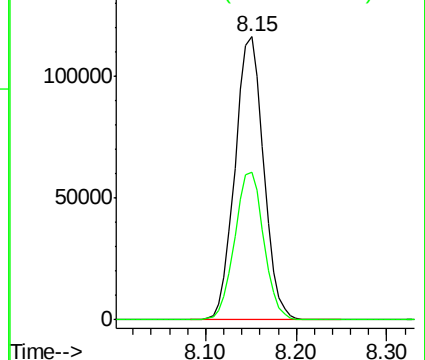
65 100

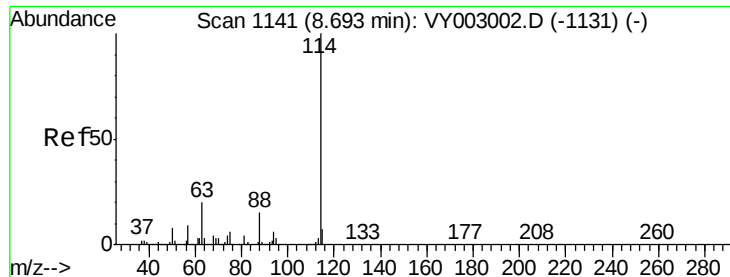
67 53.2 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY003027.D

Acq: 30 Jun 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

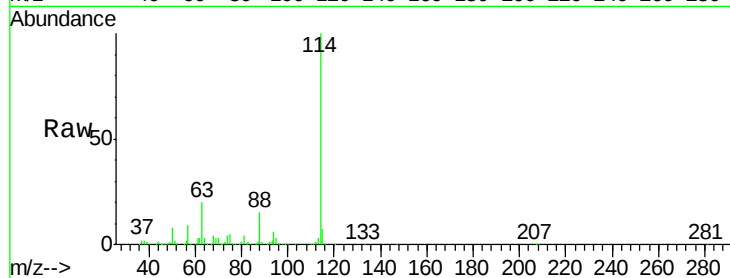
Tot Ion:114 Resp: 774375

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

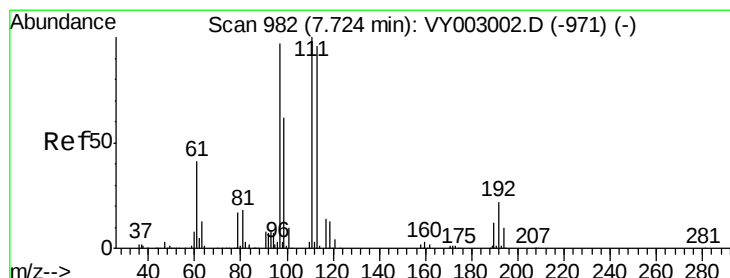
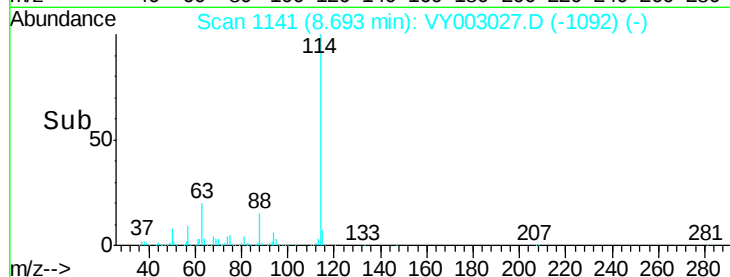
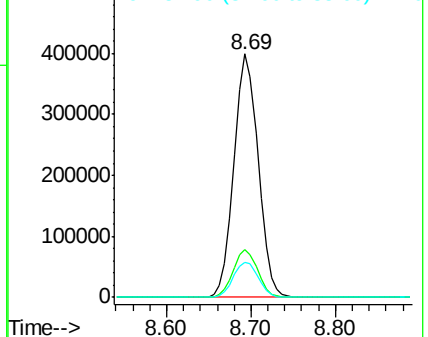
88 14.5 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 50.221 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003027.D

Acq: 30 Jun 2020 11:06

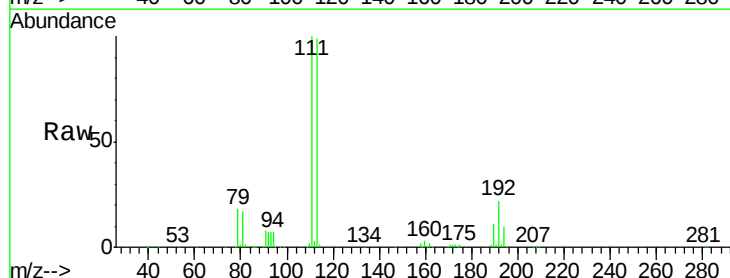
Tgt Ion:113 Resp: 242601

Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

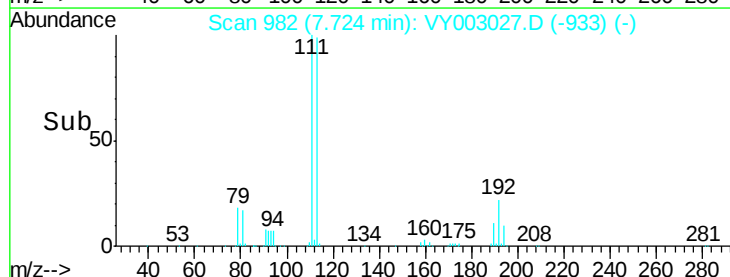
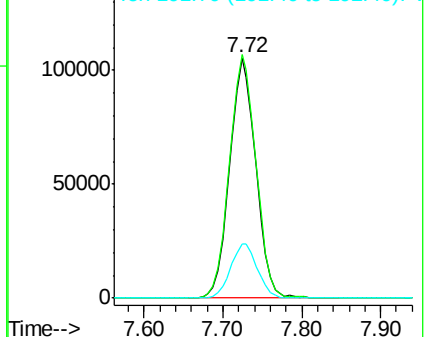
192 23.1 18.1 27.1

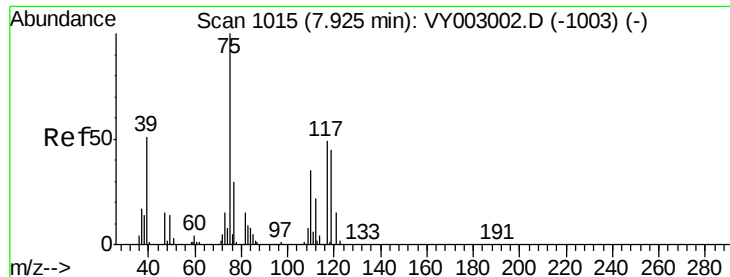


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

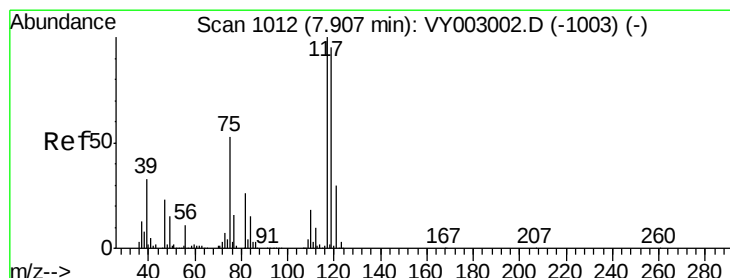
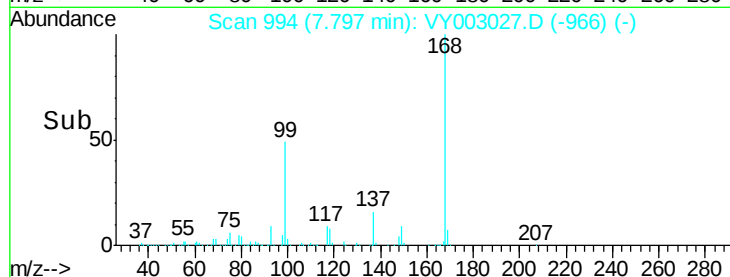
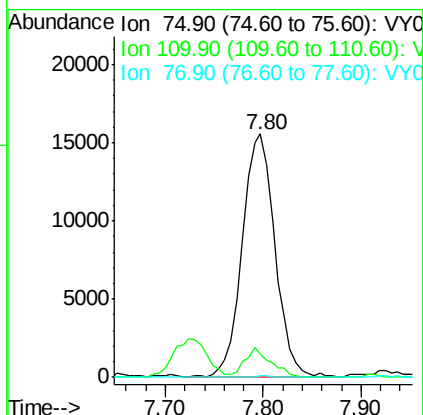
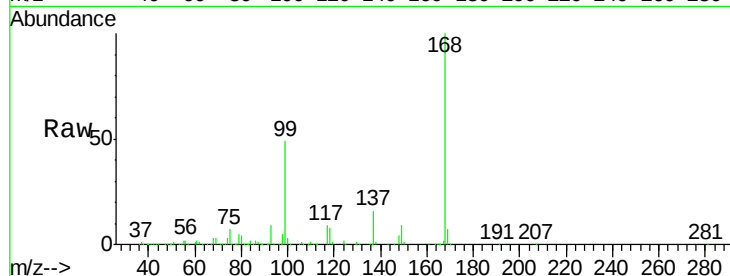




#36
 1,1-Dichloropropene
 Concen: 4.868 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003027.D
 Acq: 30 Jun 2020 11:06

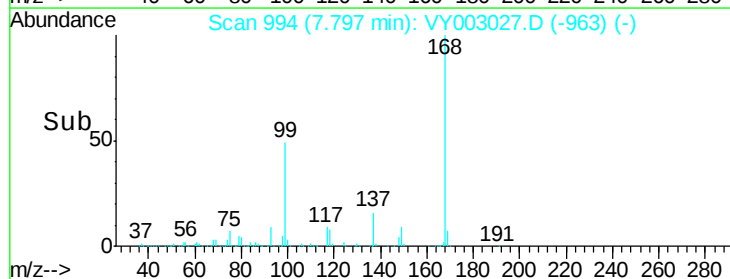
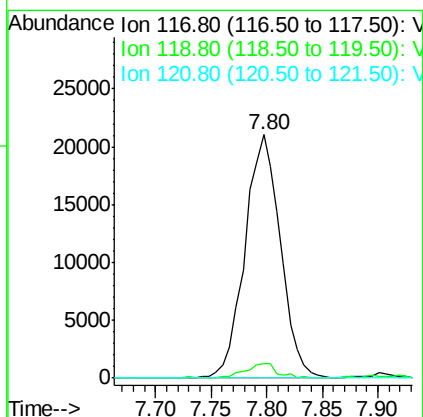
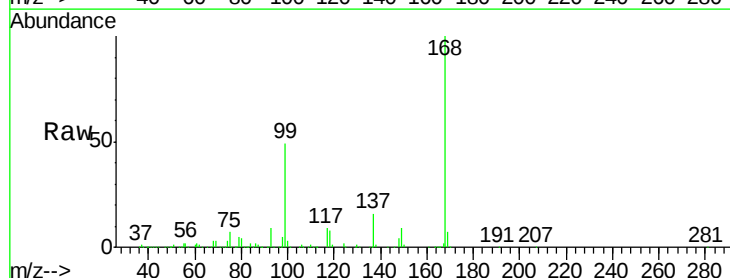
Instrument :
 MSVOA_Y
 ClientSampleId :

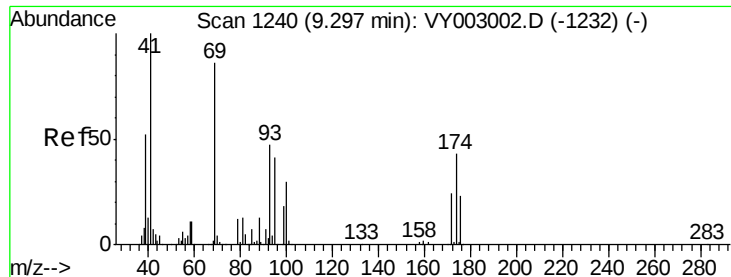
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.1	51.2#
77	0.3	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.015 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003027.D
 Acq: 30 Jun 2020 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	75.7	113.5#
121	0.0	23.9	35.9#

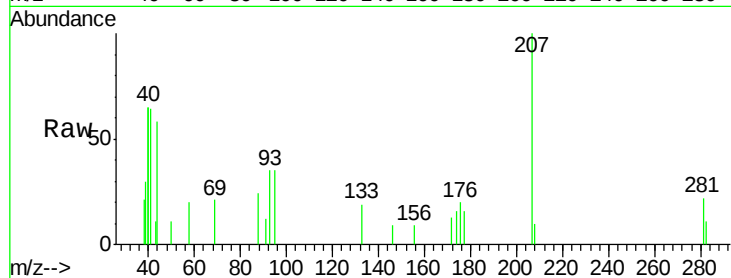




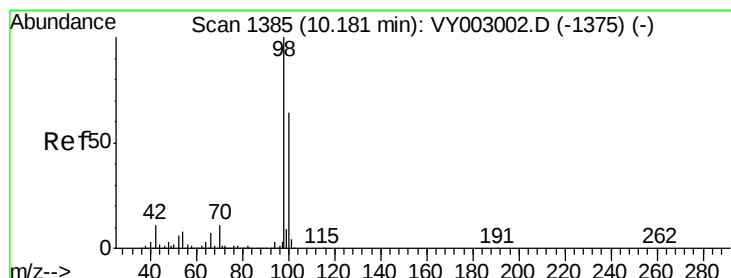
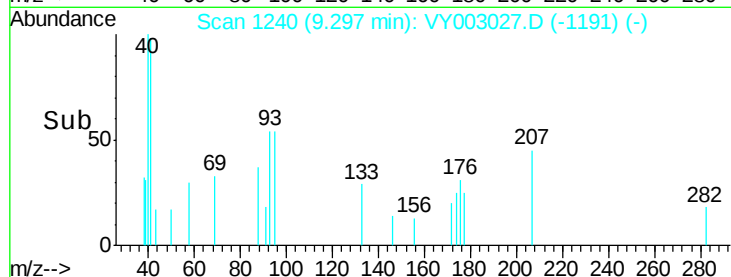
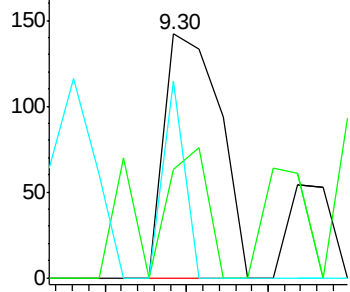
#49
1,4-Dioxane
Concen: 3.604 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY003027.D
Acq: 30 Jun 2020 11:06

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 88 Resp: 135
Ion Ratio Lower Upper
88 100
43 56.3 28.6 42.8#
58 31.1 56.7 85.1#

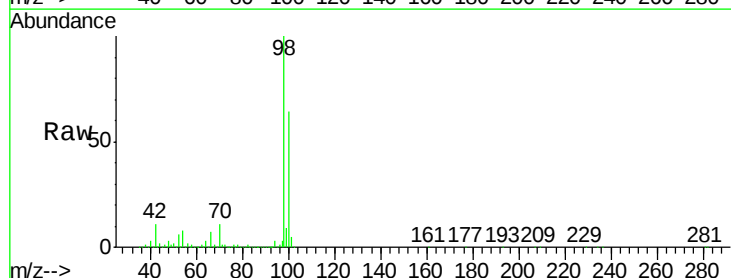


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

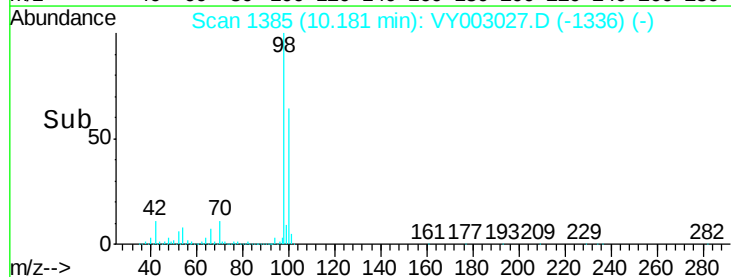
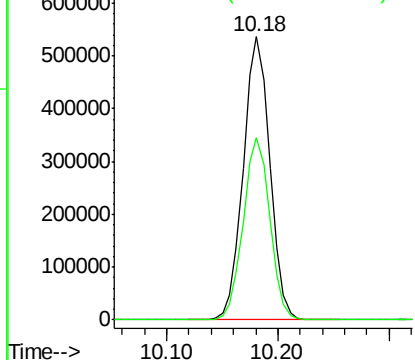


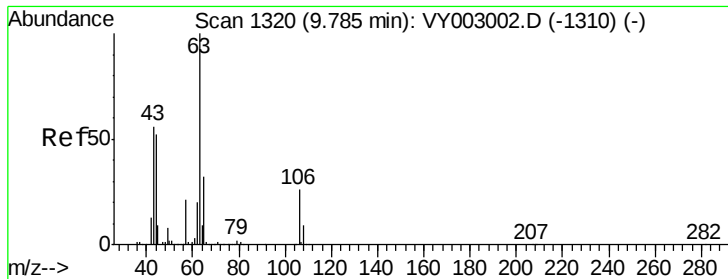
#50
Toluene-d8
Concen: 49.491 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003027.D
Acq: 30 Jun 2020 11:06

Tgt Ion: 98 Resp: 890663
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

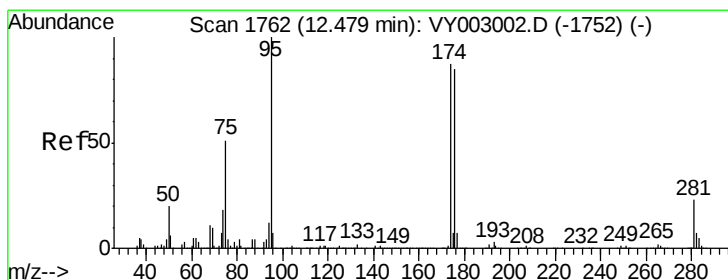
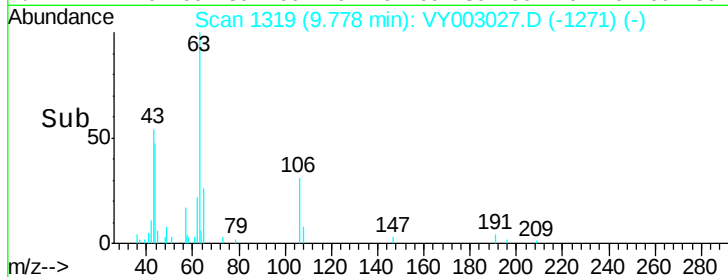
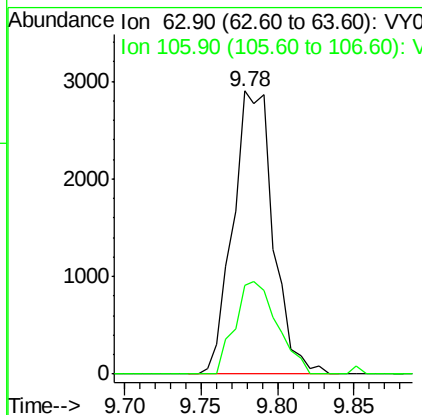
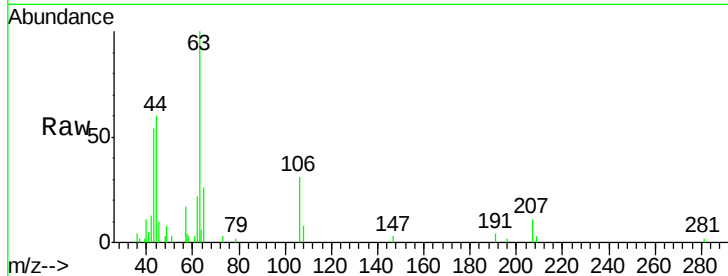




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.669 ug/l
 RT: 9.78 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VY003027.D
 Acq: 30 Jun 2020 11:06

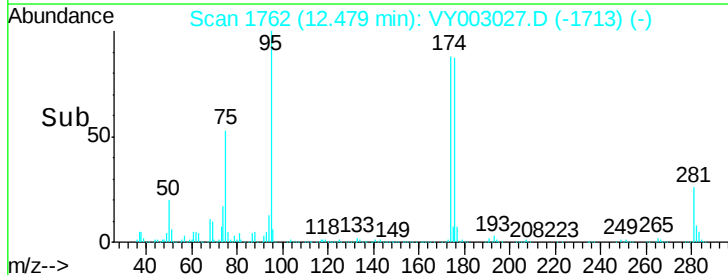
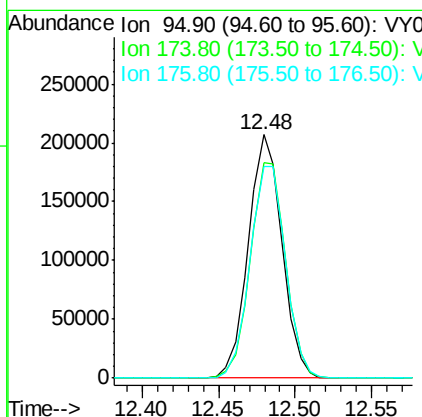
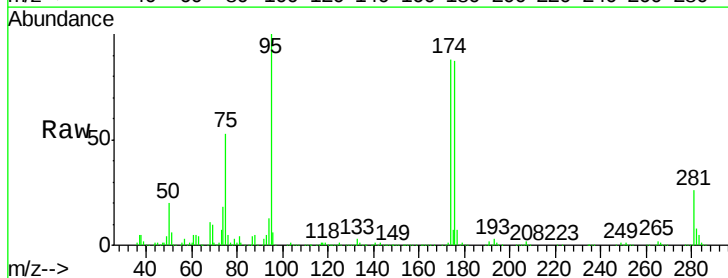
Instrument :
 MSVOA_Y
 ClientSampleId :

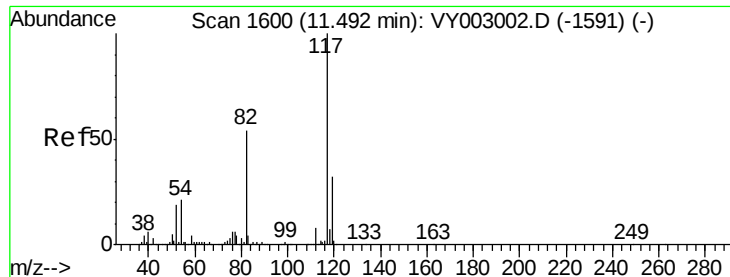
Tot Ion: 63 Resp: 5284
 Ion Ratio Lower Upper
 63 100
 106 34.2 21.5 32.3#



#62
 4-Bromofluorobenzene
 Concen: 49.886 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003027.D
 Acq: 30 Jun 2020 11:06

Tgt Ion: 95 Resp: 316015
 Ion Ratio Lower Upper
 95 100
 174 92.6 0.0 184.8
 176 92.1 0.0 183.0

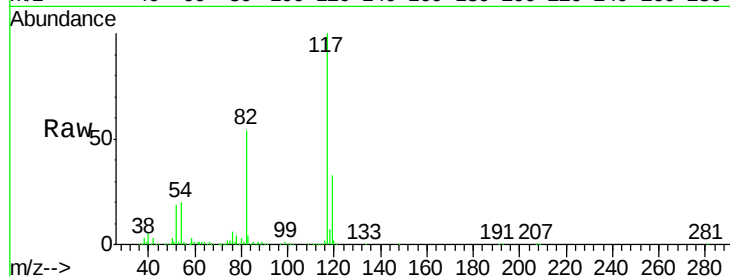




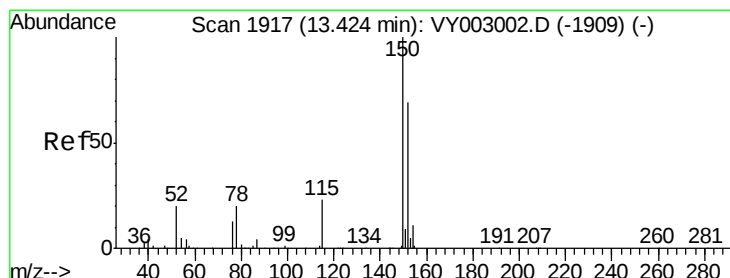
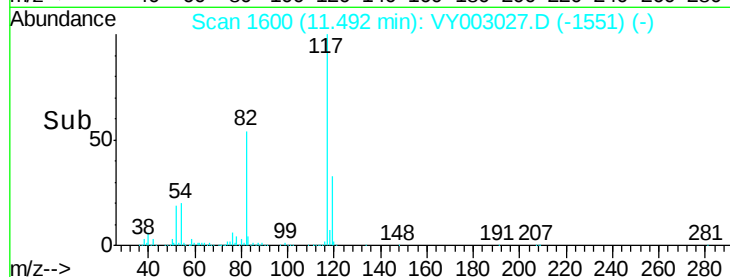
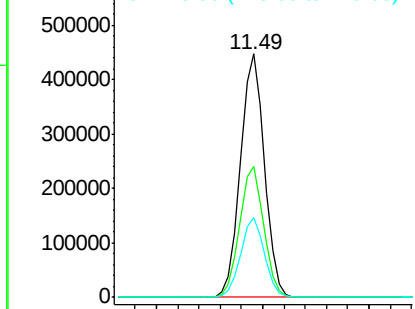
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003027.D
Acq: 30 Jun 2020 11:06

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 709102
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.6
119 32.8 25.8 38.8

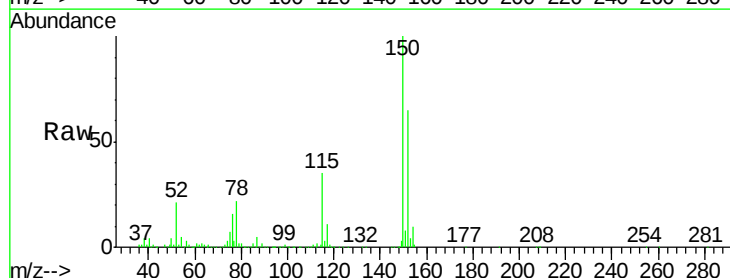


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

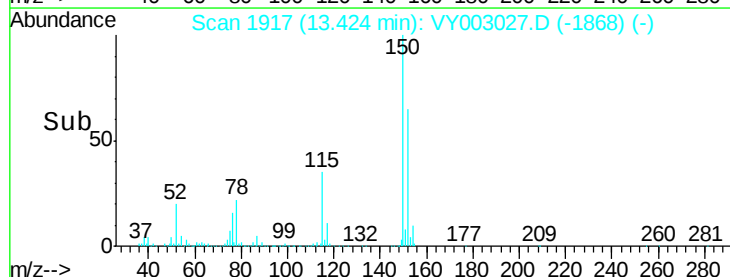
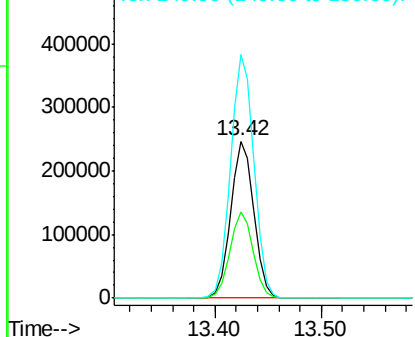


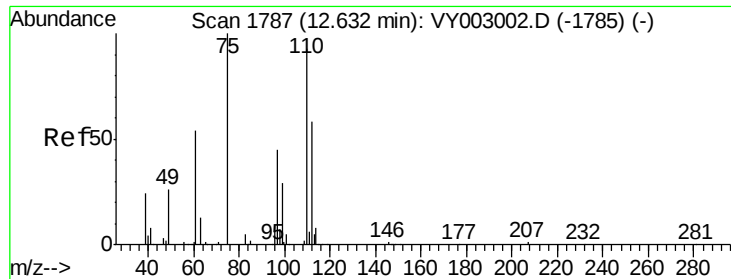
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003027.D
Acq: 30 Jun 2020 11:06

Tgt Ion:152 Resp: 374768
Ion Ratio Lower Upper
152 100
115 54.8 27.3 81.9
150 156.7 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: 44.557 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003027.D

Acq: 30 Jun 2020 11:06

Instrument :

MSVOA_Y

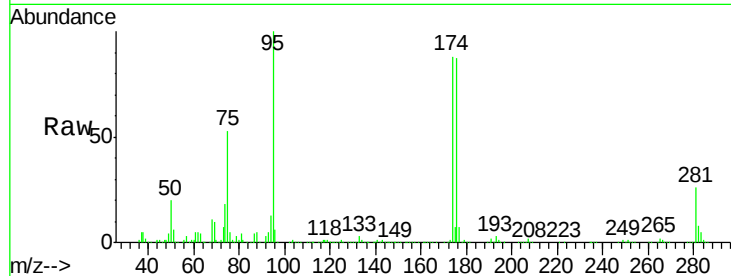
ClientSampleId :

Tot Ion: 75 Resp: 165264

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

12.48

120000

100000

80000

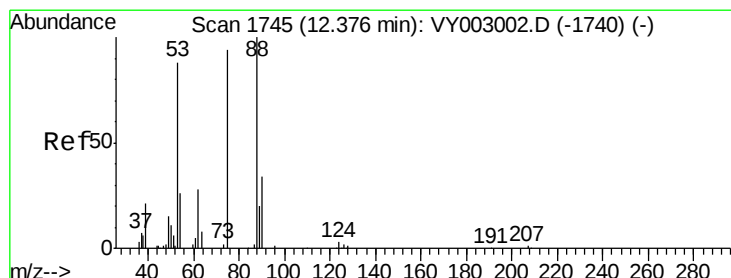
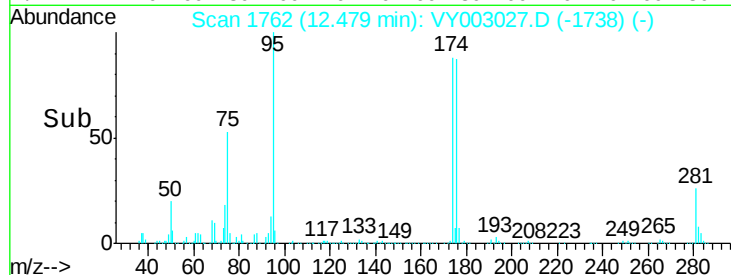
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 86.689 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003027.D

Acq: 30 Jun 2020 11:06

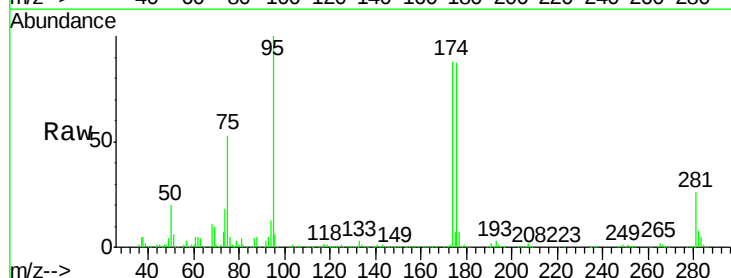
Tgt Ion: 75 Resp: 165264

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

89 0.5 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

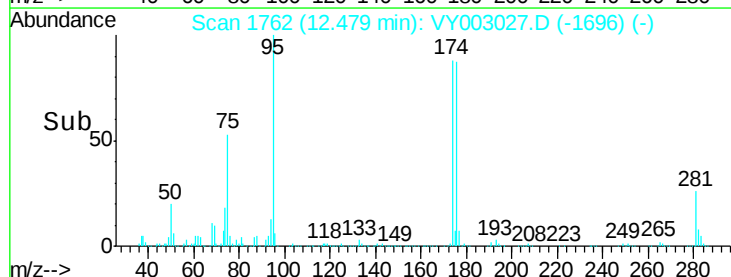
150000

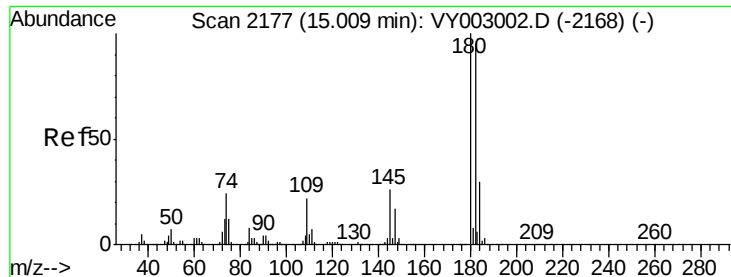
100000

50000

0

Time-->

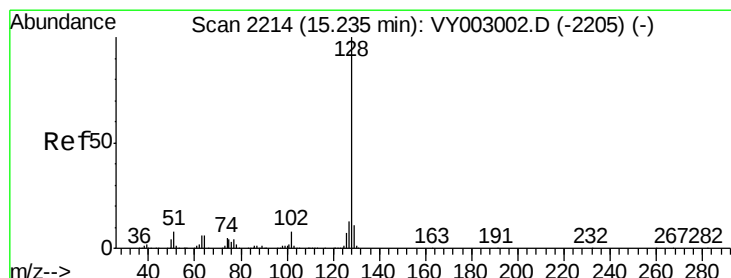
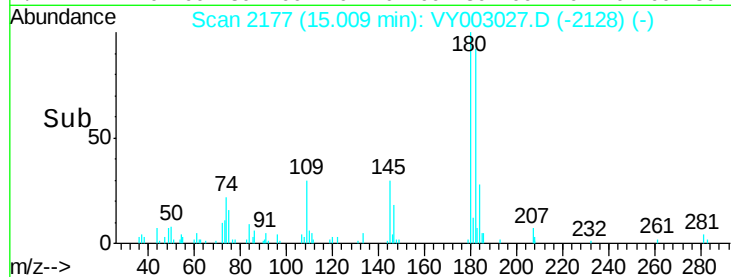
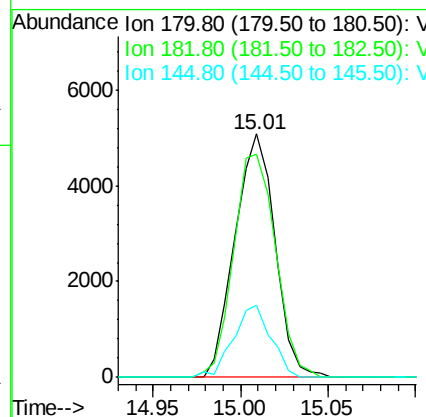
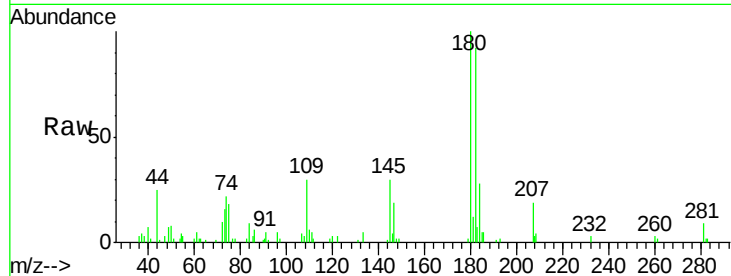




#93
 1,2,4-Trichlorobenzene
 Concen: 1.033 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY003027.D
 Acq: 30 Jun 2020 11:06

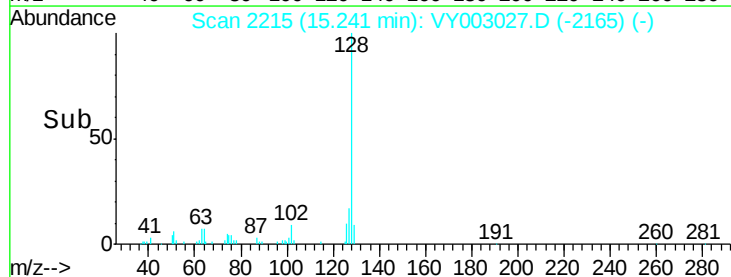
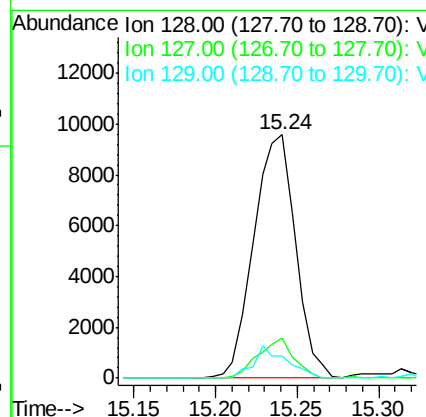
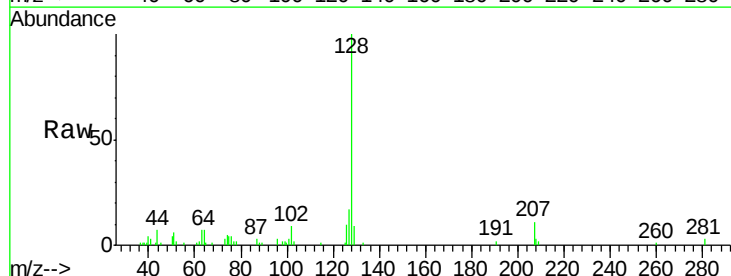
Instrument :
 MSVOA_Y
 ClientSampleId :

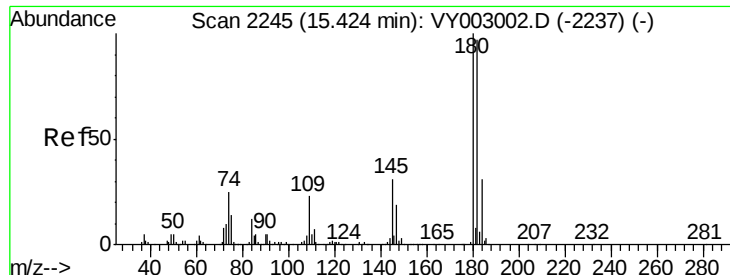
Tot Ion:180 Resp: 8083
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.1 144.3
 145 27.9 13.9 41.6



#95
 Naphthalene
 Concen: 1.191 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. 0.01 min
 Lab File: VY003027.D
 Acq: 30 Jun 2020 11:06

Tgt Ion:128 Resp: 17022
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.8 16.2
 129 10.5 8.8 13.2

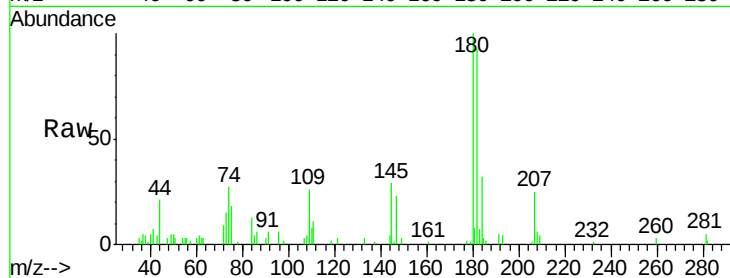




#96
 1,2,3-Trichlorobenzene
 Concen: 1.193 ug/l
 RT: 15.42 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VY003027.D
 Acq: 30 Jun 2020 11:06

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.9	47.8	143.3
145	32.4	14.7	44.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

