

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY060320\
 Data File : VY002827.D
 Acq On : 03 Jun 2020 12:53
 Operator : SY/MD
 Sample : L2837-01
 Misc : 4.38G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP

Quant Time: Jun 03 16:55:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	5917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	11407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	12690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	5995	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	5376	104.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.28%	
35) Dibromofluoromethane	7.72	113	3582	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
50) Toluene-d8	10.18	98	13797	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.48	95	5878	63.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.26%	

Target Compounds						Qvalue
3) Chloromethane	2.12	50	394	8.75	ug/l #	70
5) Bromomethane	2.67	94	652	18.28	ug/l #	80
10) Methyl Iodide	4.10	142	1503	21.46	ug/l #	86
16) Acetone	3.94	43	50	4.15	ug/l #	40
18) Methyl Acetate	4.47	43	69	1.34	ug/l #	48
20) Methylene Chloride	4.71	84	544	9.24	ug/l #	63
21) trans-1,2-Dichloroethene	5.21	96	90	1.59	ug/l #	1
27) cis-1,2-Dichloroethene	7.01	96	64	1.01	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	344	3.58	ug/l #	40
41) Methacrylonitrile	7.31	41	39	1.39	ug/l #	1
44) Trichloroethene	8.95	130	97	1.08	ug/l	47
46) Dibromomethane	9.30	93	194	4.80	ug/l #	15
48) Methyl methacrylate	9.31	41	161	3.60	ug/l #	49
51) 4-Methyl-2-Pentanone	10.06	43	215	4.10	ug/l #	33
55) 1,1,2-Trichloroethane	10.63	97	578	9.34	ug/l #	27
56) Ethyl methacrylate	10.50	69	197	2.38	ug/l #	25
57) 1,3-Dichloropropane	10.80	76	232	2.28	ug/l #	63
59) 2-Hexanone	10.84	43	54	1.45	ug/l	76
60) Dibromochloromethane	11.07	129	327	4.17	ug/l	95
61) 1,2-Dibromoethane	10.97	107	176	2.88	ug/l	98
64) Tetrachloroethene	10.71	164	150	1.30	ug/l #	61
65) Chlorobenzene	11.51	112	672	2.68	ug/l	89
66) 1,1,1,2-Tetrachloroethane	11.63	131	1726	18.27	ug/l #	9
67) Ethyl Benzene	11.60	91	1941	4.46	ug/l #	83
68) m/p-Xylenes	11.69	106	2025	12.01	ug/l #	42
69) o-Xylene	12.03	106	1289	8.10	ug/l	78
71) Bromoform	12.21	173	67	1.06	ug/l #	1
73) Isopropylbenzene	12.33	105	530	1.38	ug/l #	47
74) N-amyl acetate	12.08	43	15218	154.38	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.58	83	424	6.29	ug/l #	25
76) 1,2,3-Trichloropropane	12.69	75	4393	81.32	ug/l #	100
77) Bromobenzene	12.69	156	172039	1719.77	ug/l #	1
78) n-propylbenzene	12.67	91	4631	10.44	ug/l	96
79) 2-Chlorotoluene	12.67	91	4631	18.60	ug/l	89

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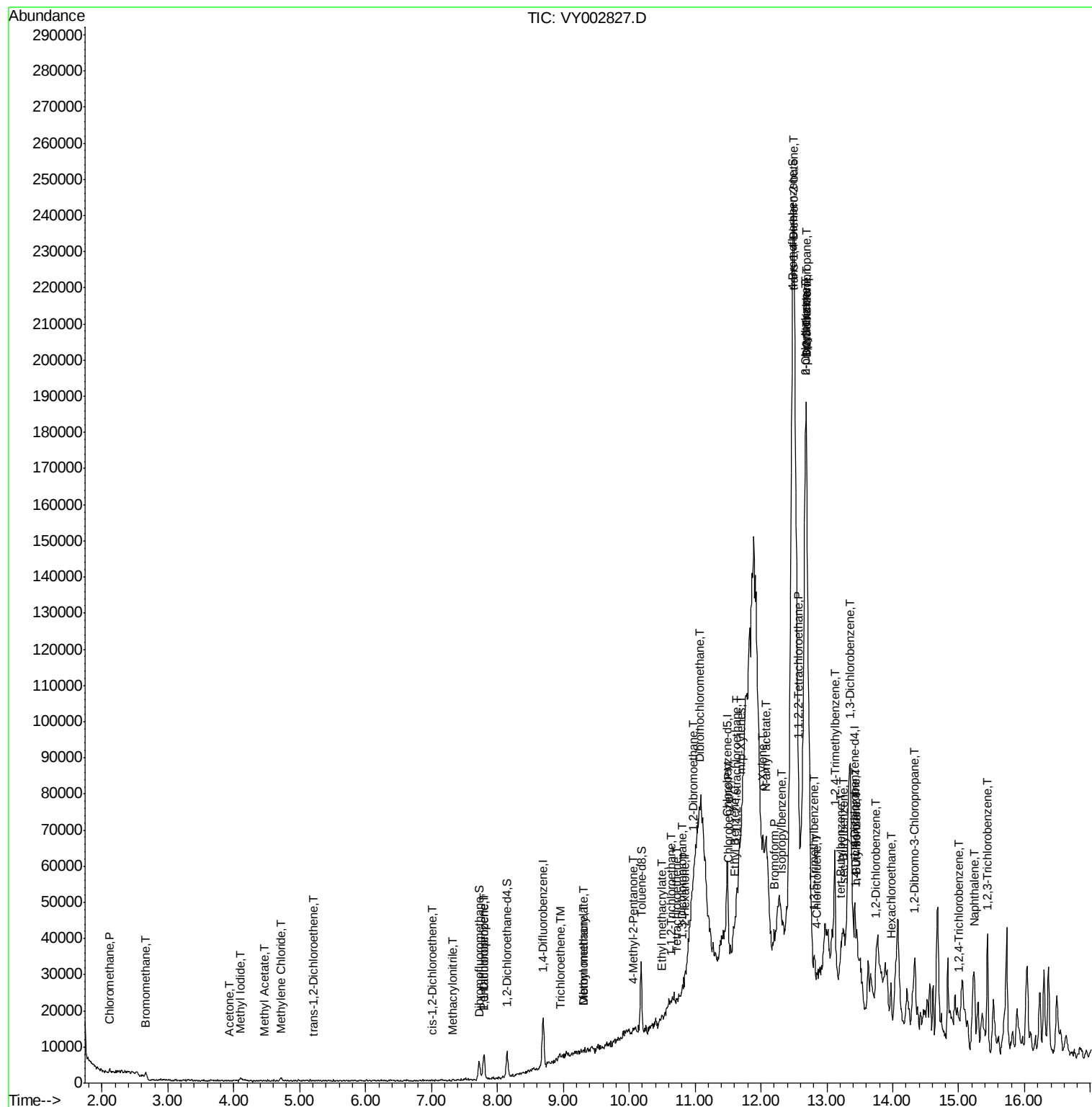
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.81	105	3170	9.88	ug/l	76
81) trans-1,4-Dichloro-2-buten	12.49	75	10731	374.26	ug/l #	38
82) 4-Chlorotoluene	12.85	91	443	1.70	ug/l	86
83) tert-Butylbenzene	13.20	119	349	1.22	ug/l	68
84) 1,2,4-Trimethylbenzene	13.12	105	14643	45.40	ug/l	98
85) sec-Butylbenzene	13.25	105	1136	2.90	ug/l	84
87) 1,3-Dichlorobenzene	13.35	146	914	4.82	ug/l #	63
88) 1,4-Dichlorobenzene	13.44	146	1322	6.97	ug/l #	62
89) n-Butylbenzene	13.46	91	543	1.64	ug/l	76
90) Hexachloroethane	13.98	117	873	12.81	ug/l #	8
91) 1,2-Dichlorobenzene	13.74	146	278	1.62	ug/l #	44
92) 1,2-Dibromo-3-Chloropropan	14.34	75	158	12.18	ug/l	72
93) 1,2,4-Trichlorobenzene	15.00	180	376	2.90	ug/l #	26
95) Naphthalene	15.23	128	12059	46.43	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.42	180	424	3.67	ug/l #	1

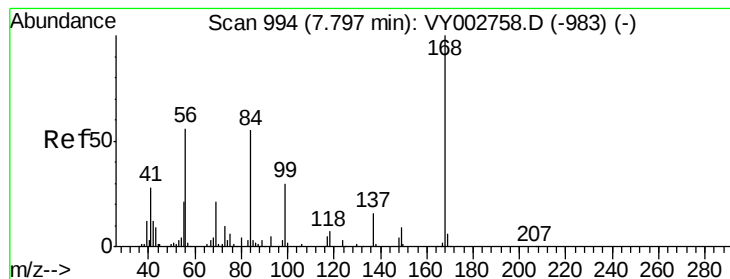
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

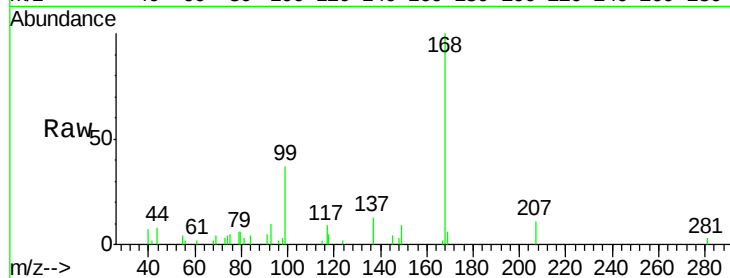
SP

Tgt Ion: 168 Resp: 5917

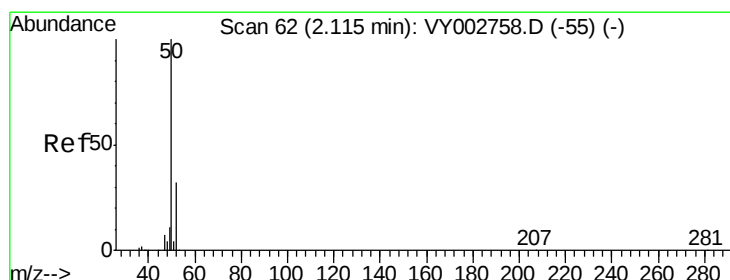
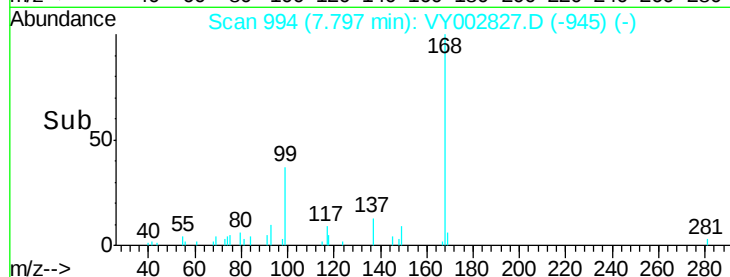
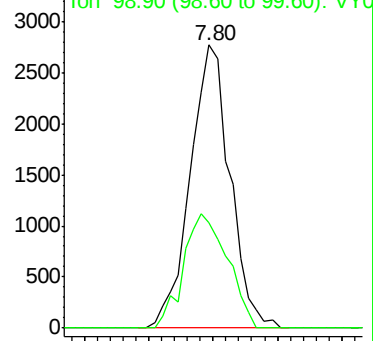
Ion Ratio Lower Upper

168 100

99 37.1 39.0 58.4#



Abundance Ion 167.90 (167.60 to 168.60): VY002827.D (-13) (-)



#3

Chloromethane

Concen: 8.75 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002827.D

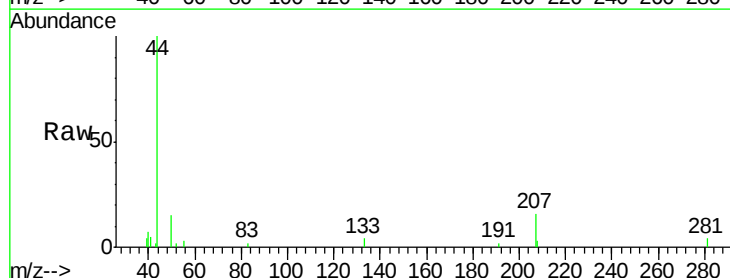
Acq: 03 Jun 2020 12:53

Tgt Ion: 50 Resp: 394

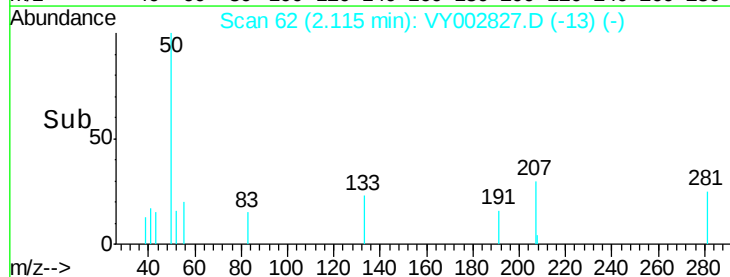
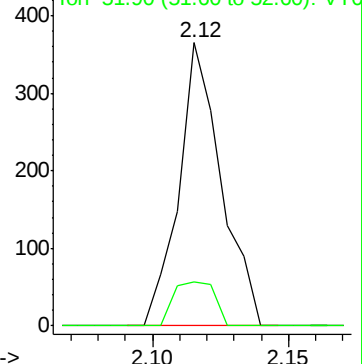
Ion Ratio Lower Upper

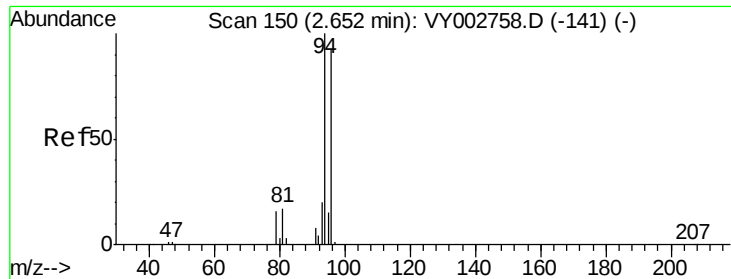
50 100

52 15.6 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VY002827.D (-13) (-)





#5

Bromomethane

Concen: 18.28 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.02 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

Instrument :

MSVOA_Y

ClientSampled :

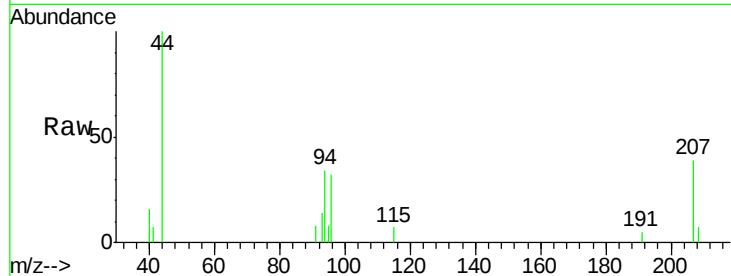
SP

Tgt Ion: 94 Resp: 652

Ion Ratio Lower Upper

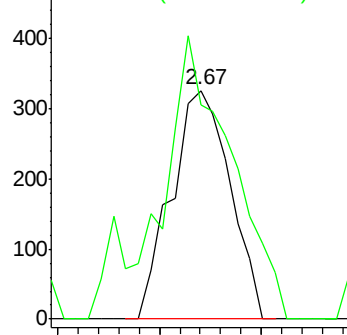
94 100

96 73.3 73.7 110.5#

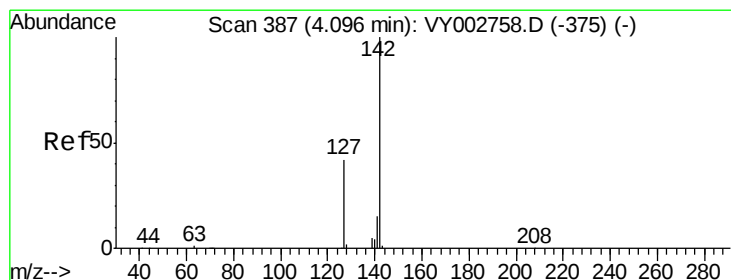
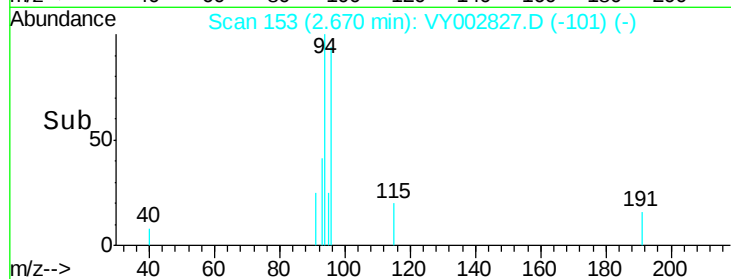


Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



Time-->



#10

Methyl Iodide

Concen: 21.46 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

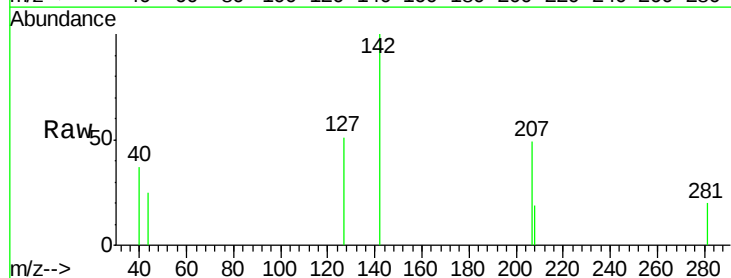
Tgt Ion: 142 Resp: 1503

Ion Ratio Lower Upper

142 100

127 48.0 33.3 49.9

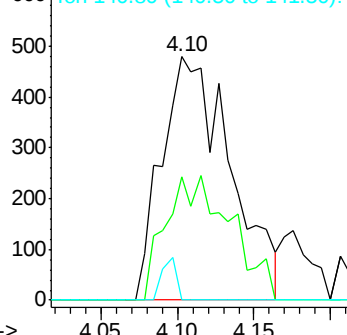
141 3.5 11.5 17.3#



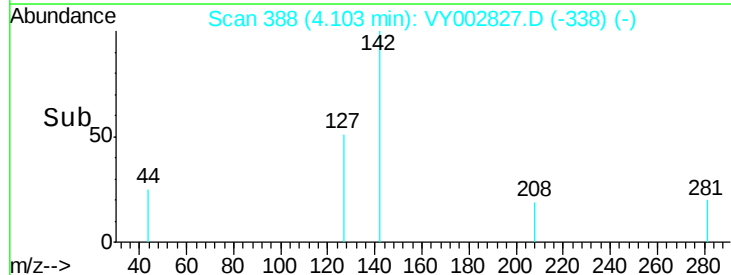
Abundance Ion 141.80 (141.50 to 142.50): V

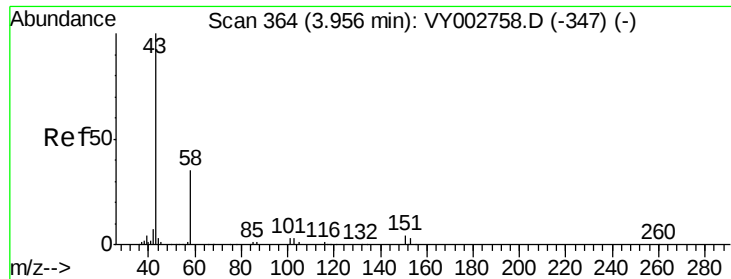
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->





#16

Acetone

Concen: 4.15 ug/l

RT: 3.94 min Scan# 361

Delta R.T. -0.02 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

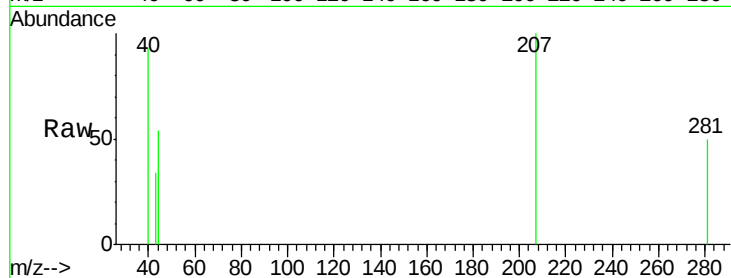
SP

Tgt Ion: 43 Resp: 50

Ion Ratio Lower Upper

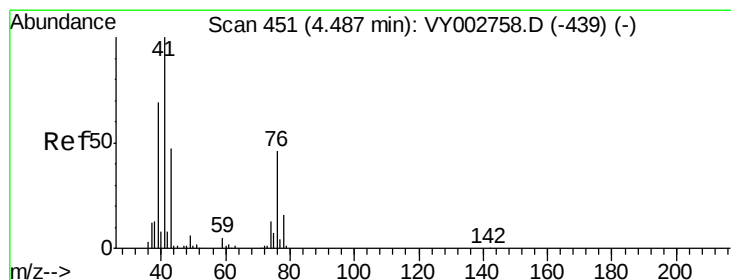
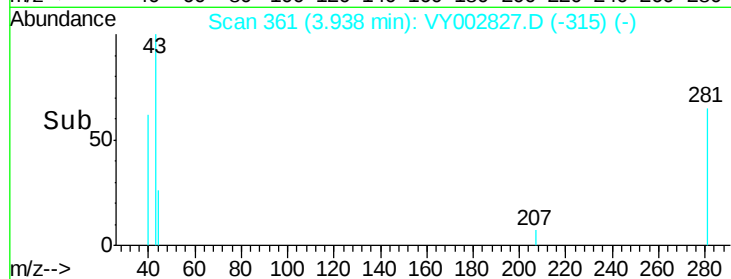
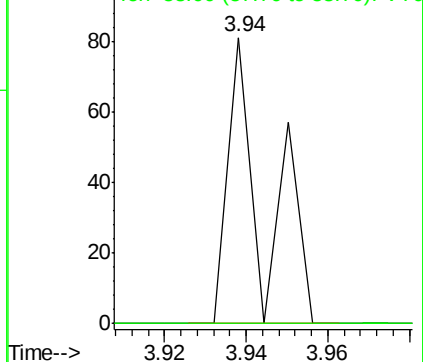
43 100

58 0.0 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: 1.34 ug/l

RT: 4.47 min Scan# 448

Delta R.T. -0.02 min

Lab File: VY002827.D

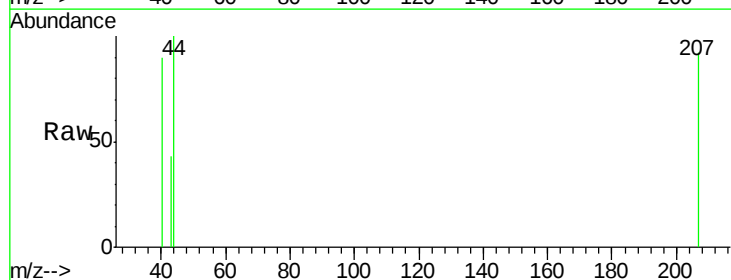
Acq: 03 Jun 2020 12:53

Tgt Ion: 43 Resp: 69

Ion Ratio Lower Upper

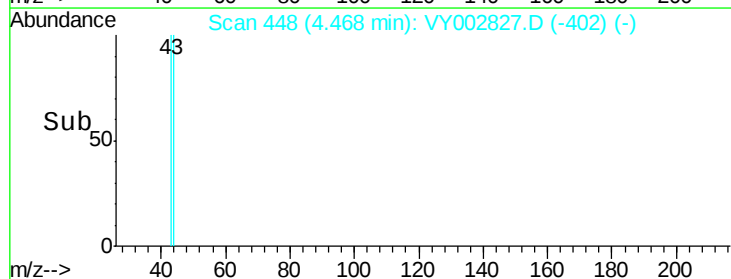
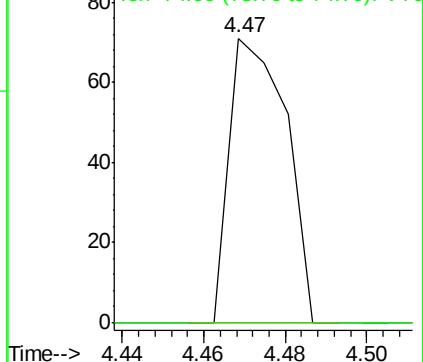
43 100

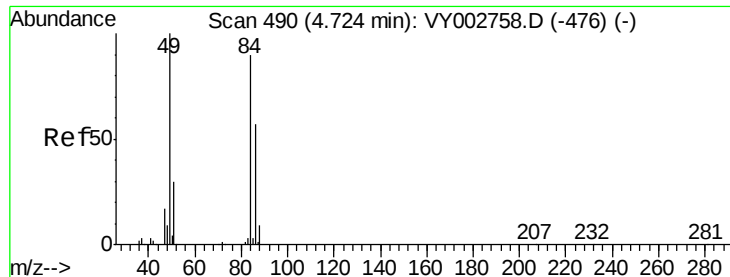
74 0.0 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

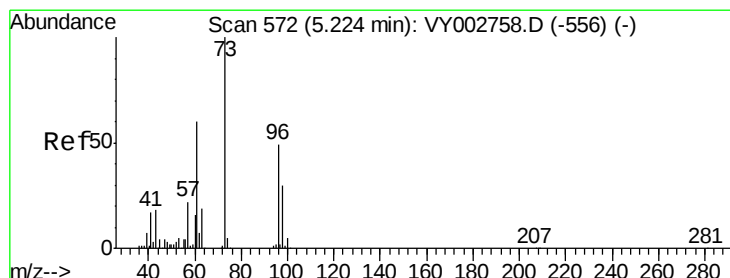
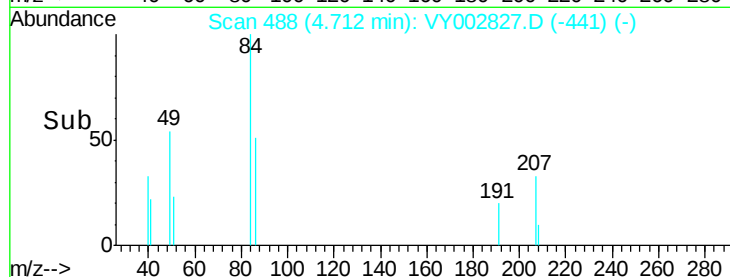
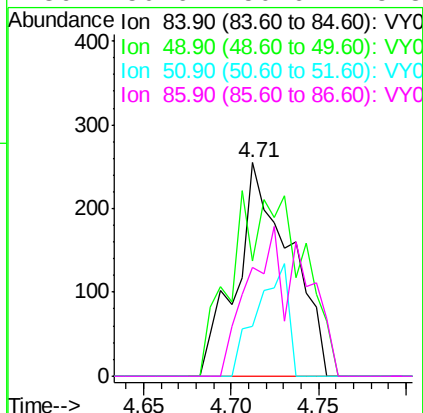
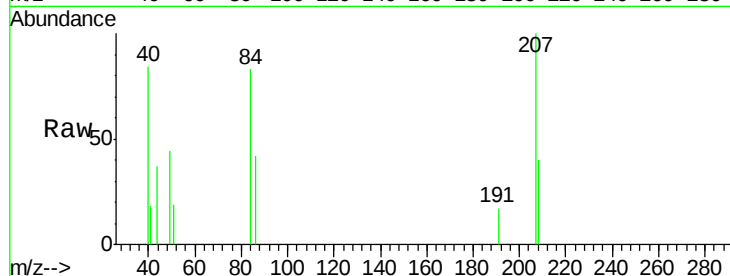




#20
Methylene Chloride
Concen: 9.24 ug/l
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY002827.D
Acq: 03 Jun 2020 12:53

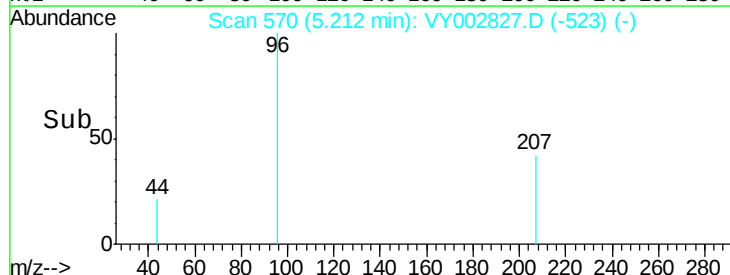
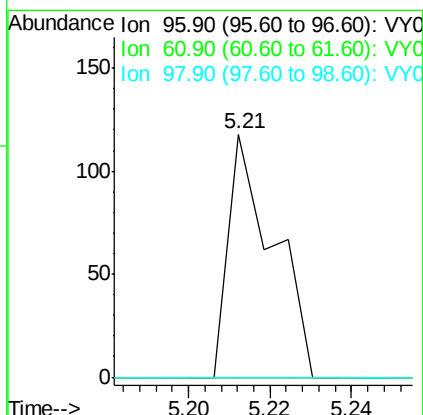
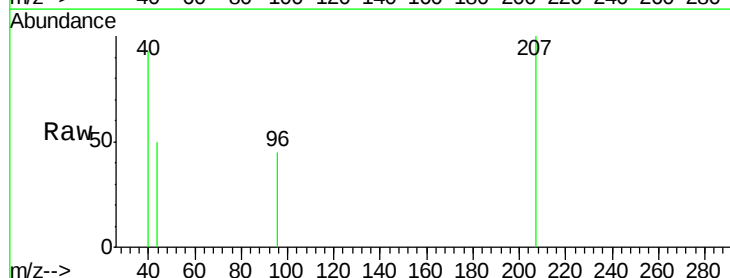
Instrument :
MSVOA_Y
ClientSampled :
SP

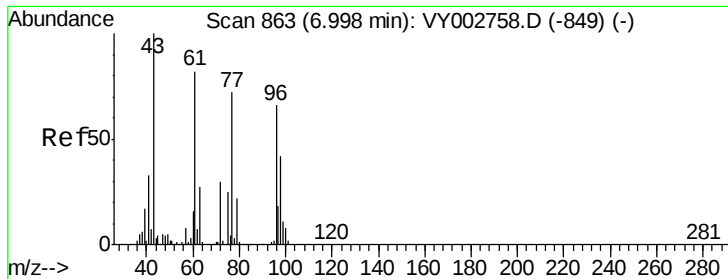
Tgt Ion:	84	Resp:	544
Ion	Ratio	Lower	Upper
84	100		
49	53.7	88.5	132.7#
51	23.1	26.8	40.2#
86	50.6	50.6	75.8



#21
trans-1,2-Dichloroethene
Concen: 1.59 ug/l
RT: 5.21 min Scan# 570
Delta R.T. -0.01 min
Lab File: VY002827.D
Acq: 03 Jun 2020 12:53

Tgt Ion:	96	Resp:	90
Ion	Ratio	Lower	Upper
96	100		
61	0.0	96.8	145.2#
98	0.0	49.4	74.0#



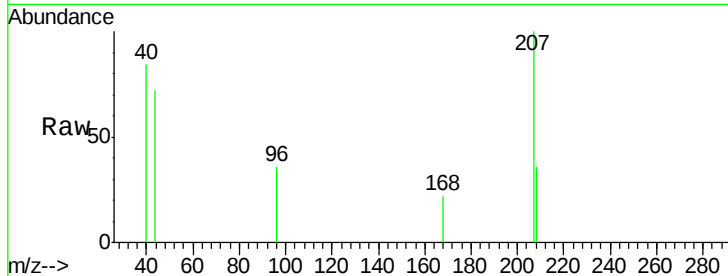


#27

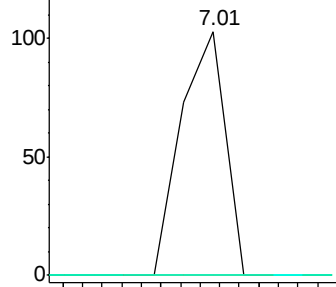
cis-1,2-Dichloroethene
Concen: 1.01 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002827.D
Acq: 03 Jun 2020 12:53

Instrument :
MSVOA_Y
ClientSampled :
SP

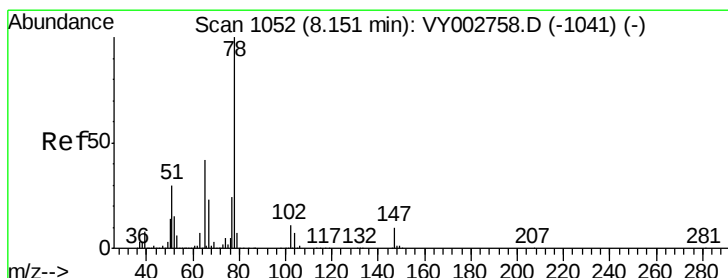
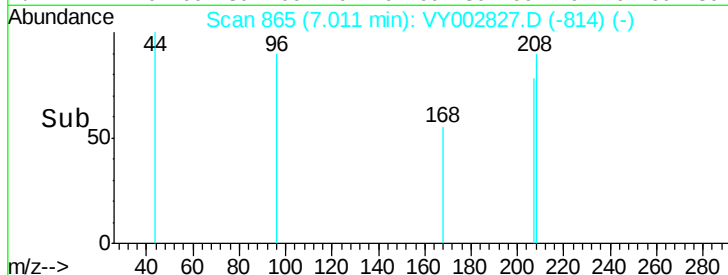
Tgt Ion: 96 Resp: 64
Ion Ratio Lower Upper
96 100
61 0.0 0.0 260.2
98 0.0 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



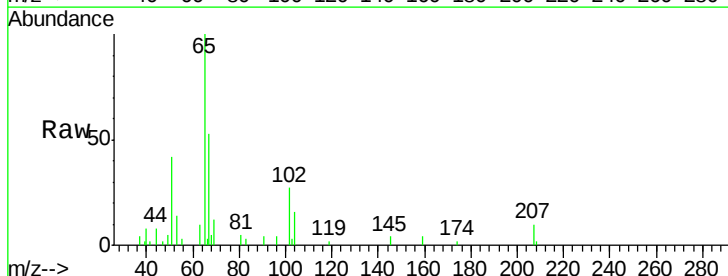
Time--> 6.98 7.00 7.02



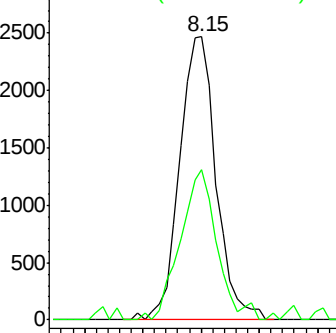
#33

1,2-Dichloroethane-d4
Concen: 104.64 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY002827.D
Acq: 03 Jun 2020 12:53

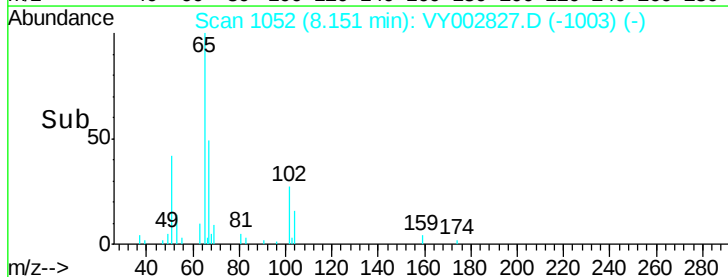
Tgt Ion: 65 Resp: 5376
Ion Ratio Lower Upper
65 100
67 53.4 0.0 111.0

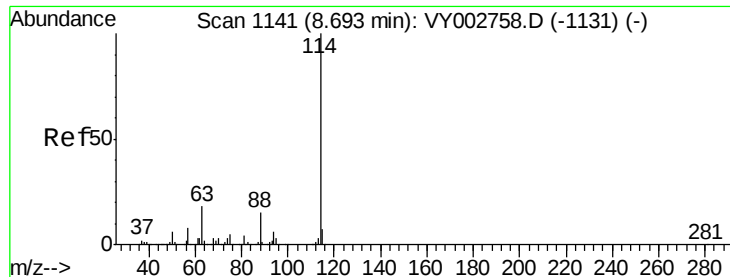


Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0



Time--> 8.05 8.10 8.15 8.20 8.25

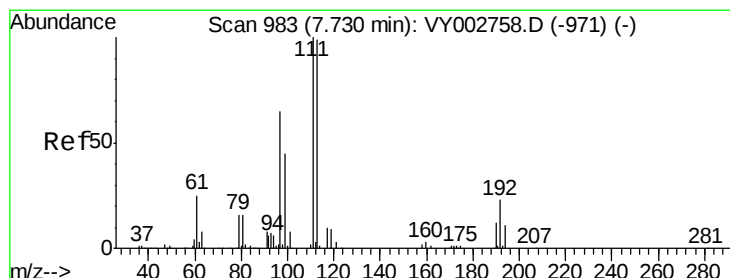
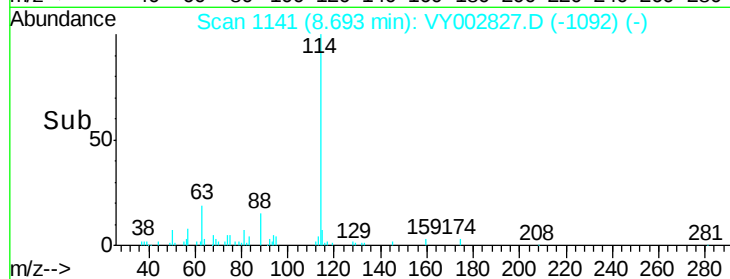
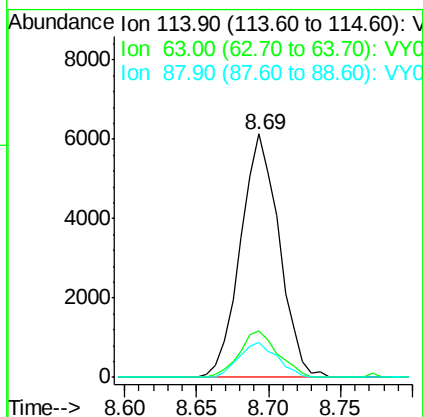
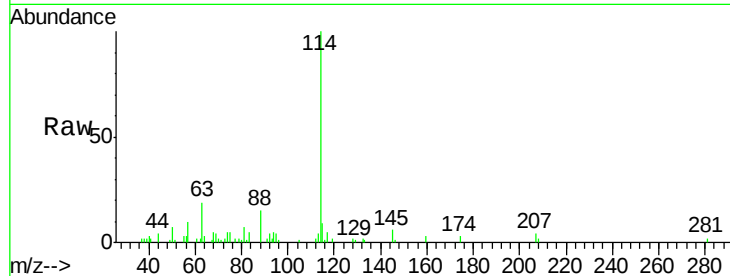




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002827.D
 Acq: 03 Jun 2020 12:53

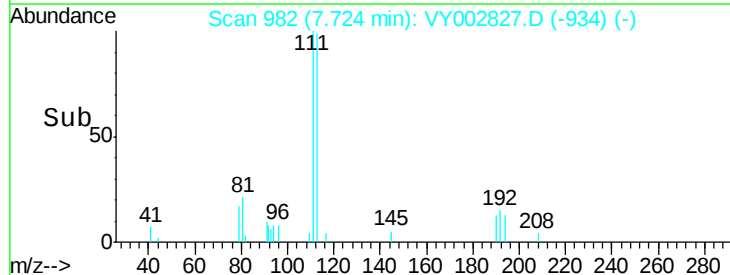
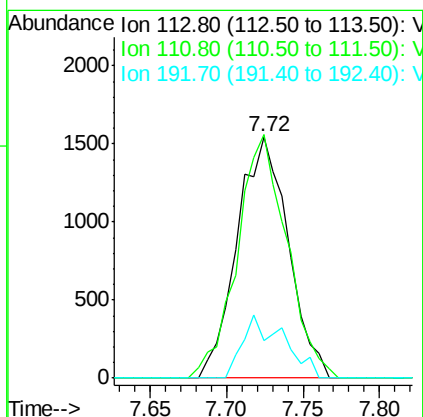
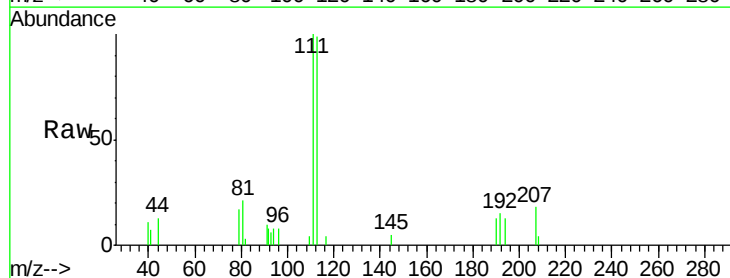
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP

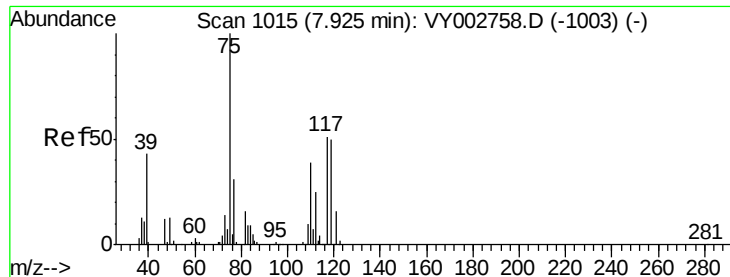
Tgt Ion:114 Resp: 11407
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 35.2
 88 14.5 0.0 29.2



#35
 Dibromofluoromethane
 Concen: 53.58 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002827.D
 Acq: 03 Jun 2020 12:53

Tgt Ion:113 Resp: 3582
 Ion Ratio Lower Upper
 113 100
 111 98.0 82.0 123.0
 192 21.1 18.9 28.3





#36

1,1-Dichloropropene

Concen: 3.58 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

SP

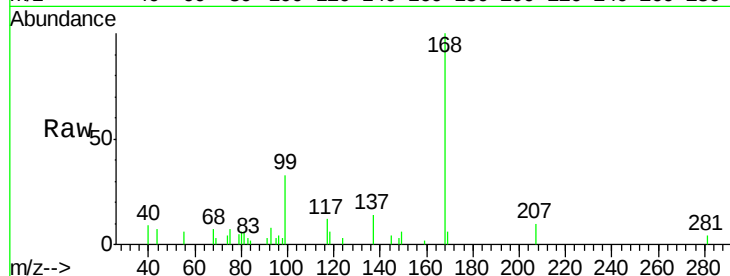
Tgt Ion: 75 Resp: 344

Ion Ratio Lower Upper

75 100

110 0.0 19.3 57.9#

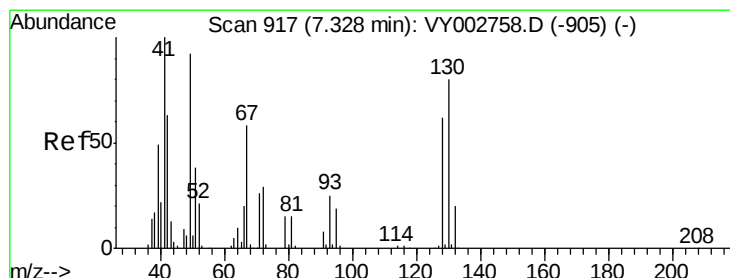
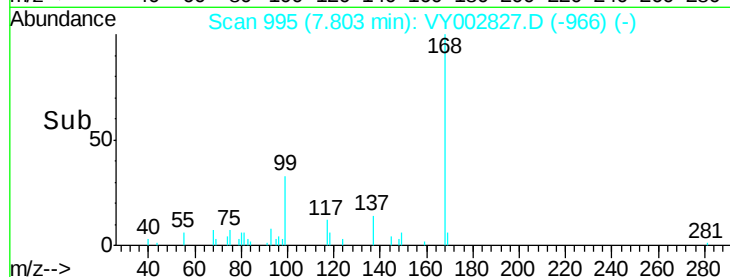
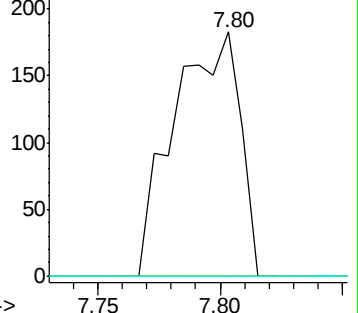
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VY002827.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY002827.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY002827.D (-966) (-)



#41

Methacrylonitrile

Concen: 1.39 ug/l

RT: 7.31 min Scan# 914

Delta R.T. -0.02 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

Tgt Ion: 41 Resp: 39

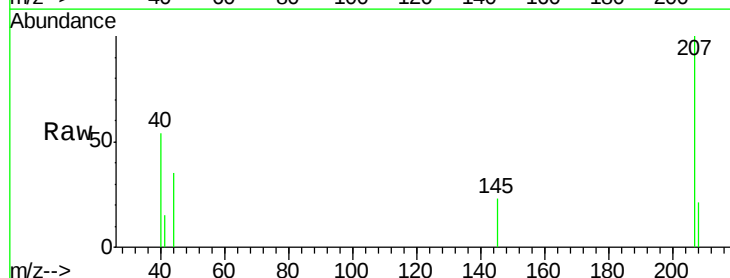
Ion Ratio Lower Upper

41 100

39 0.0 97.6 146.4#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

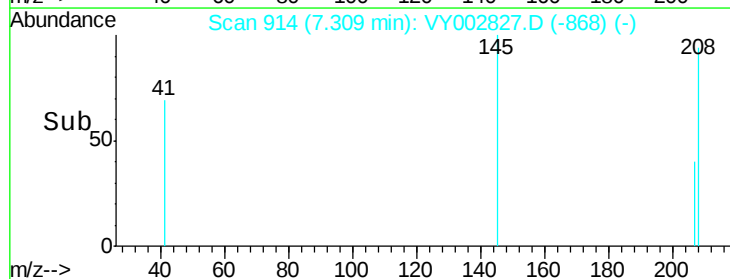
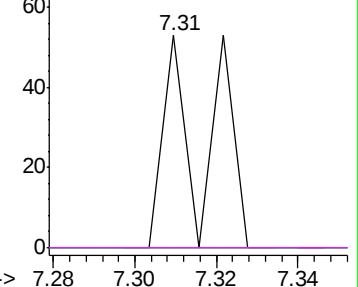


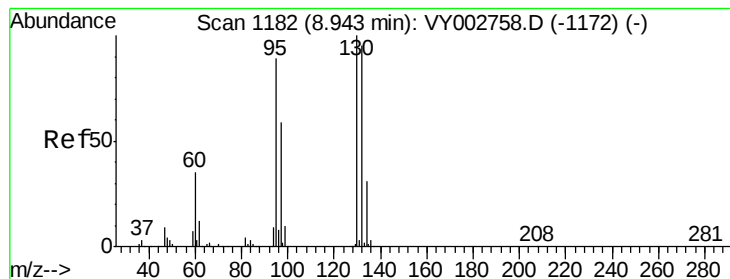
Abundance Ion 41.00 (40.70 to 41.70): VY002827.D (-868) (-)

Ion 39.00 (38.70 to 39.70): VY002827.D (-868) (-)

Ion 67.00 (66.70 to 67.70): VY002827.D (-868) (-)

Ion 52.00 (51.70 to 52.70): VY002827.D (-868) (-)





#44

Trichloroethene

Concen: 1.08 ug/l

RT: 8.95 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

Instrument :

MSVOA_Y

ClientSampled :

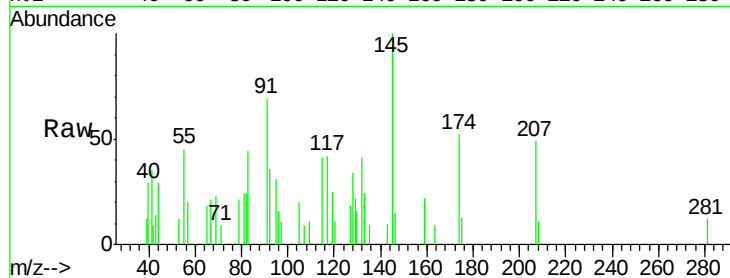
SP

Tgt Ion: 130 Resp: 97

Ion Ratio Lower Upper

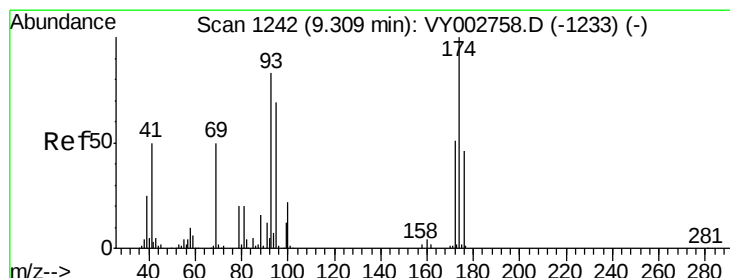
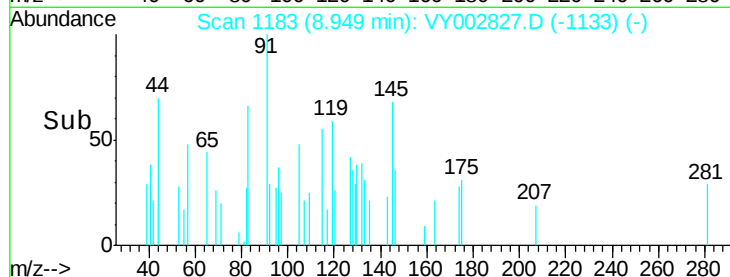
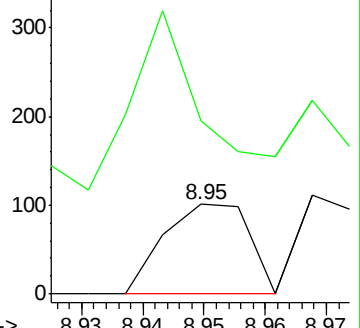
130 100

95 39.6 0.0 178.8



Abundance Ion 129.80 (129.50 to 130.50): VY002827.D (-1183) (-)

Ion 94.90 (94.60 to 95.60): VY002827.D (-1183) (-)



#46

Dibromomethane

Concen: 4.80 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

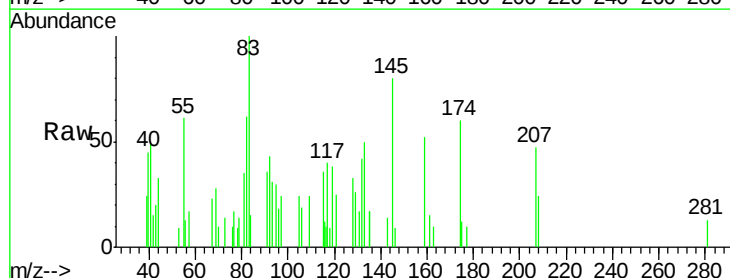
Tgt Ion: 93 Resp: 194

Ion Ratio Lower Upper

93 100

95 128.4 66.9 100.3#

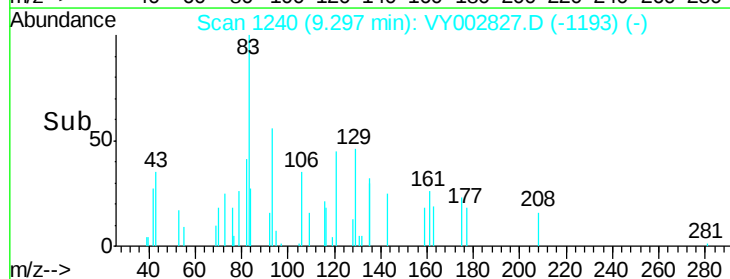
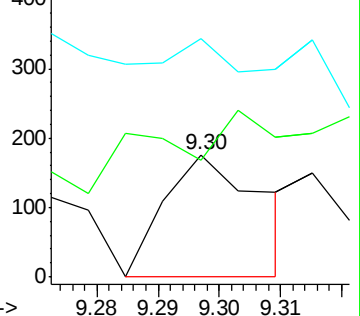
174 0.0 97.7 146.5#

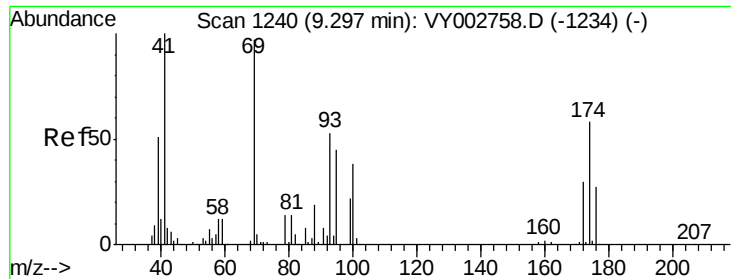


Abundance Ion 92.80 (92.50 to 93.50): VY002827.D (-1193) (-)

Ion 94.80 (94.50 to 95.50): VY002827.D (-1193) (-)

Ion 173.70 (173.40 to 174.40): VY002827.D (-1193) (-)

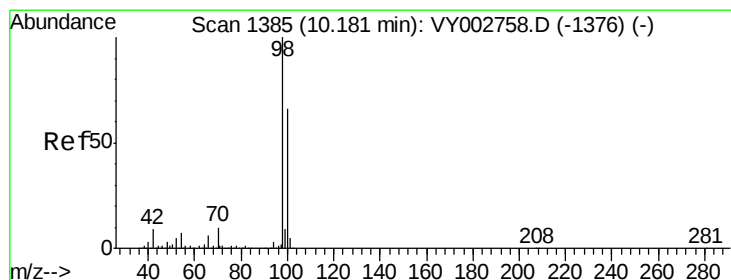
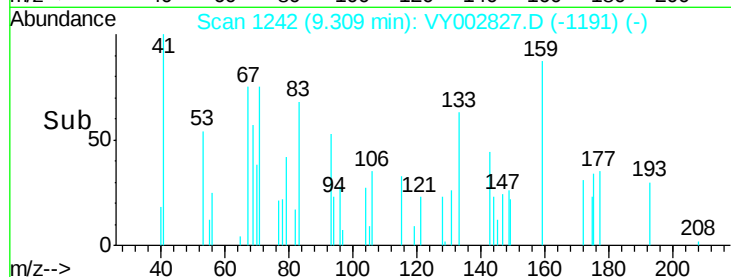
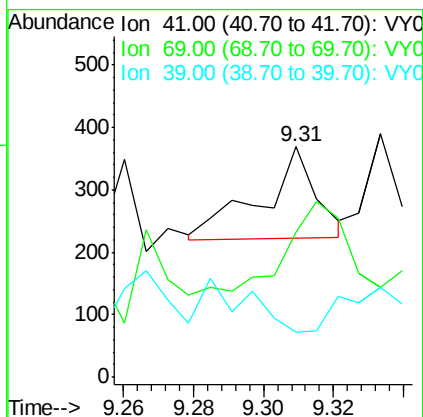
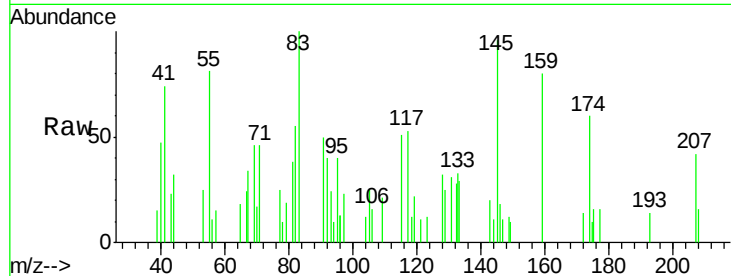




#48
Methyl methacrylate
Concen: 3.60 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY002827.D
Acq: 03 Jun 2020 12:53

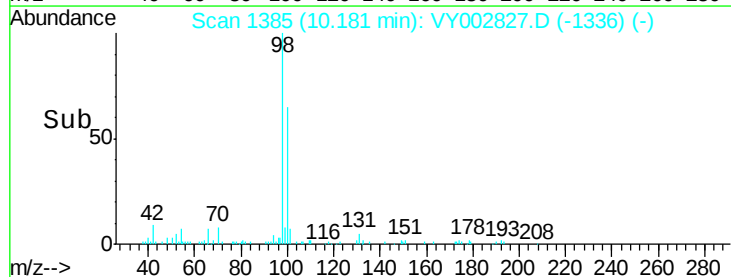
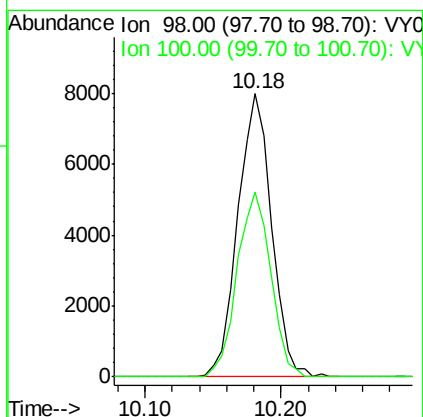
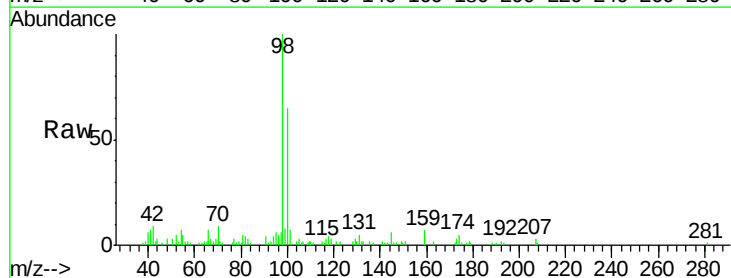
Instrument :
MSVOA_Y
ClientSampled :
SP

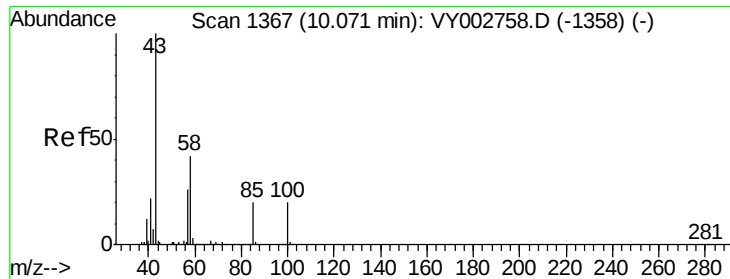
Tgt Ion: 41 Resp: 161
Ion Ratio Lower Upper
41 100
69 137.3 79.7 119.5#
39 0.0 43.3 64.9#



#50
Toluene-d8
Concen: 51.04 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002827.D
Acq: 03 Jun 2020 12:53

Tgt Ion: 98 Resp: 13797
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 4.10 ug/l

RT: 10.06 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

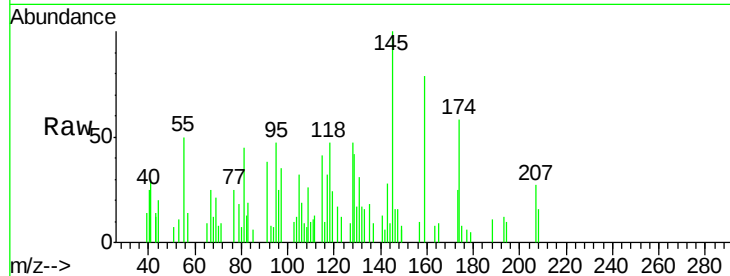
SP

Tgt Ion: 43 Resp: 215

Ion Ratio Lower Upper

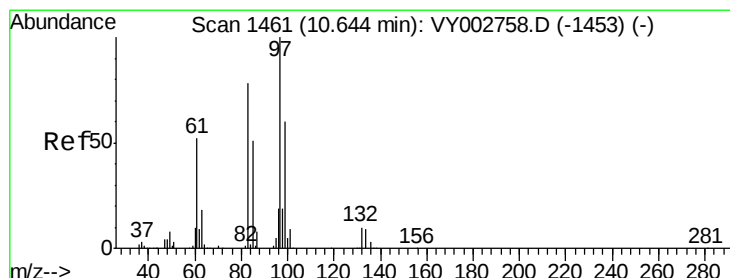
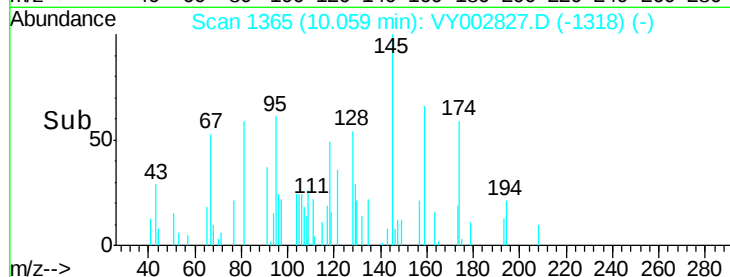
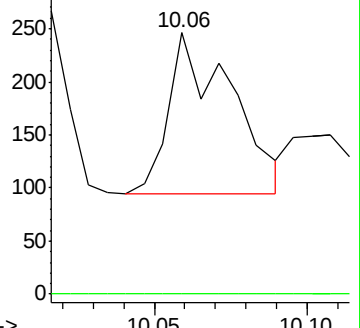
43 100

58 0.0 34.2 51.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#55

1,1,2-Trichloroethane

Concen: 9.34 ug/l

RT: 10.63 min Scan# 1459

Delta R.T. -0.01 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

Tgt Ion: 97 Resp: 578

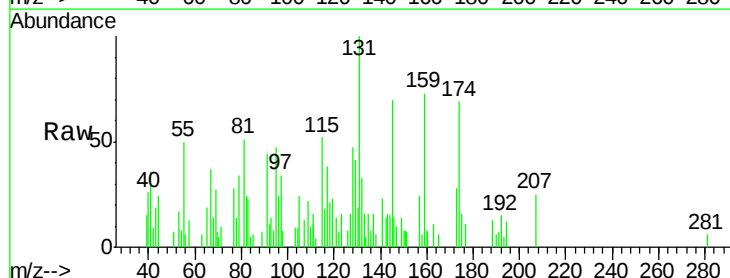
Ion Ratio Lower Upper

97 100

83 0.0 62.7 94.1#

85 24.3 40.6 60.8#

99 0.0 48.2 72.4#

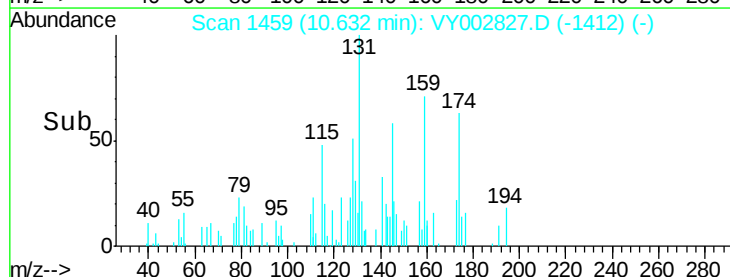
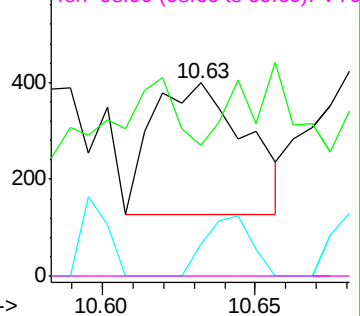


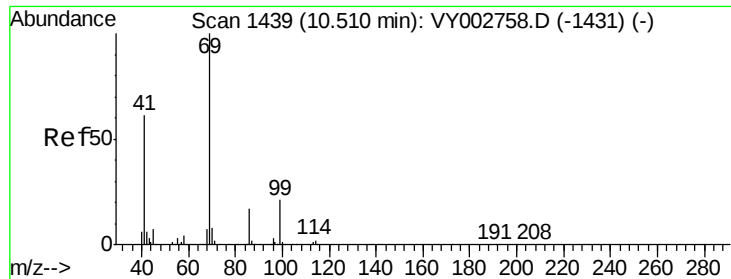
Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0





#56

Ethyl methacrylate

Concen: 2.38 ug/l

RT: 10.50 min Scan# 1437

Delta R.T. -0.01 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

Instrument :

MSVOA_Y

ClientSampled :

SP

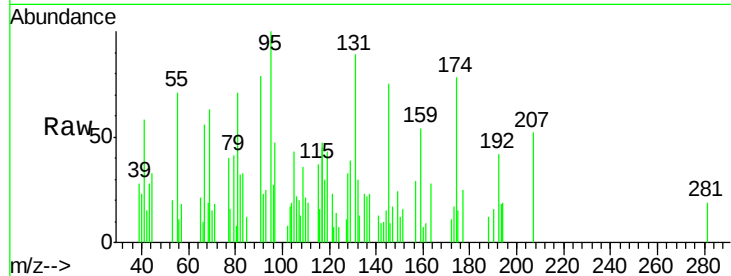
Tgt Ion: 69 Resp: 197

Ion Ratio Lower Upper

69 100

41 0.0 47.0 70.4#

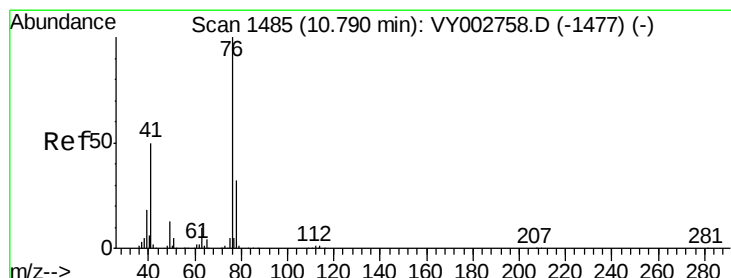
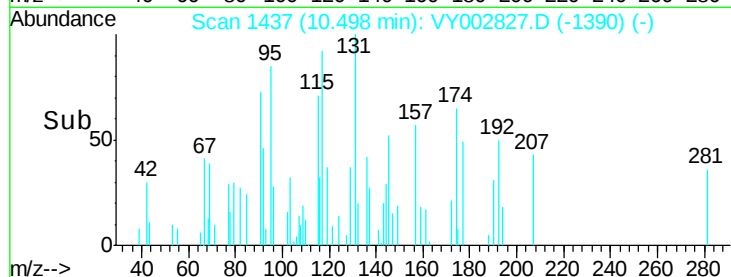
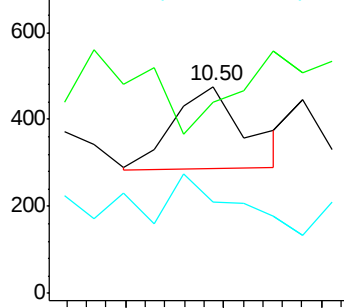
39 62.4 22.0 33.0#



Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0



#57

1,3-Dichloropropane

Concen: 2.28 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VY002827.D

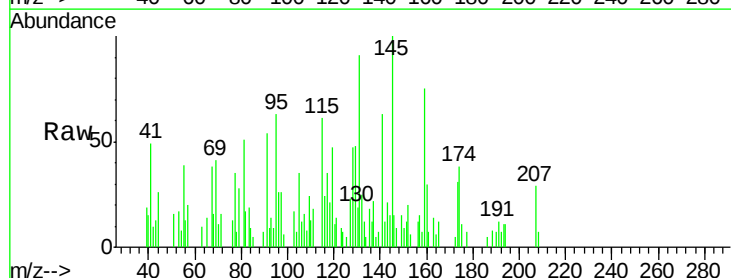
Acq: 03 Jun 2020 12:53

Tgt Ion: 76 Resp: 232

Ion Ratio Lower Upper

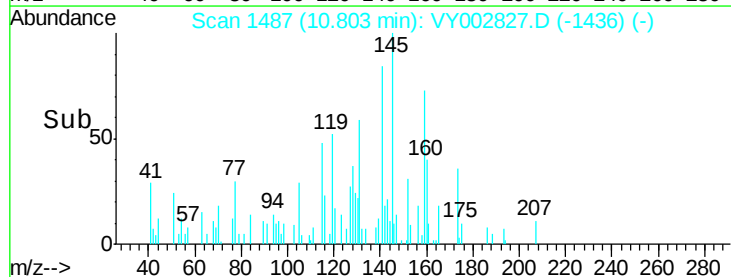
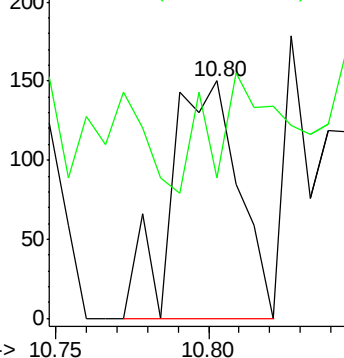
76 100

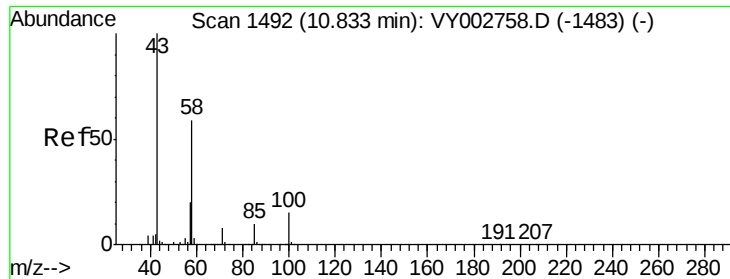
78 53.4 26.1 39.1#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0





#59

2-Hexanone

Concen: 1.45 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

Instrument :

MSVOA_Y

ClientSampled :

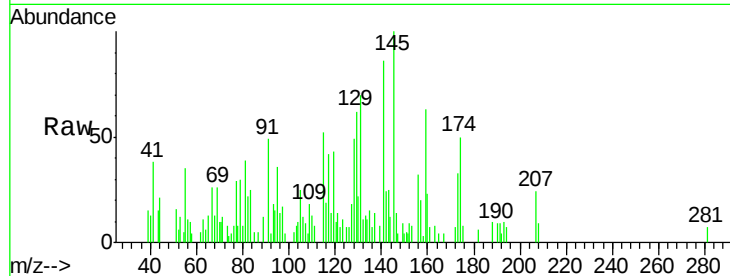
SP

Tgt Ion: 43 Resp: 54

Ion Ratio Lower Upper

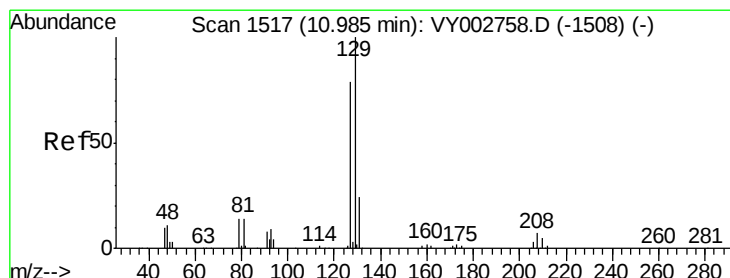
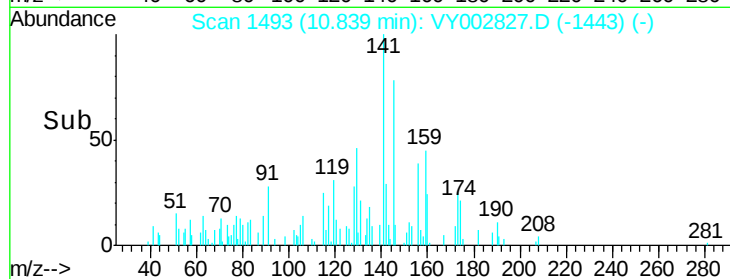
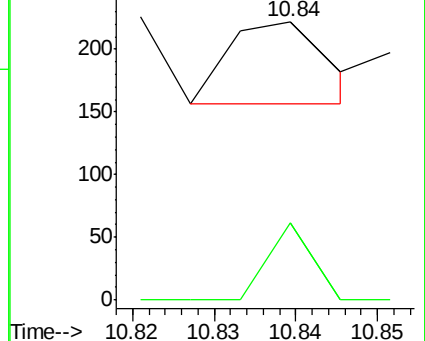
43 100

58 40.7 29.5 88.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#60

Dibromochloromethane

Concen: 4.17 ug/l

RT: 11.07 min Scan# 1531

Delta R.T. 0.09 min

Lab File: VY002827.D

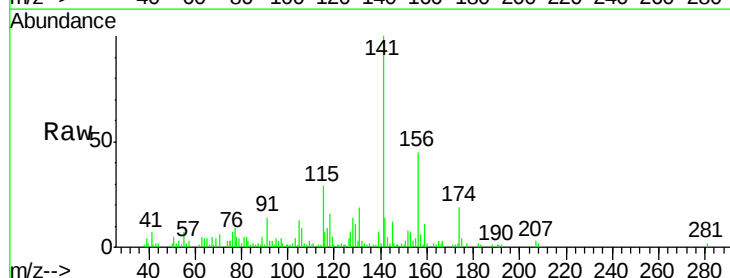
Acq: 03 Jun 2020 12:53

Tgt Ion: 129 Resp: 327

Ion Ratio Lower Upper

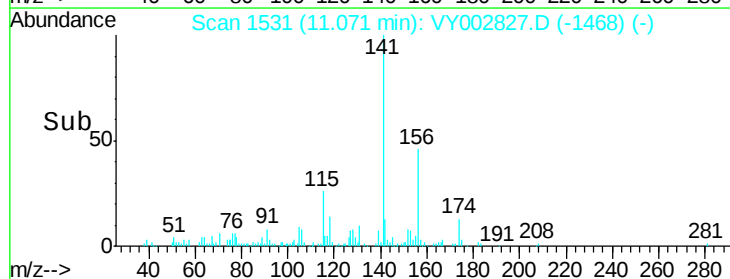
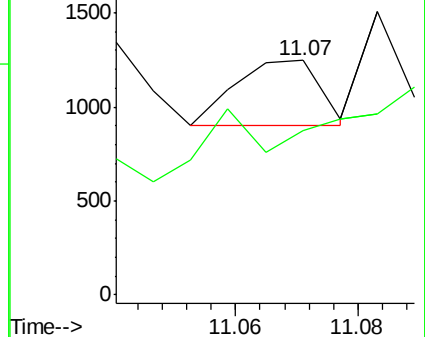
129 100

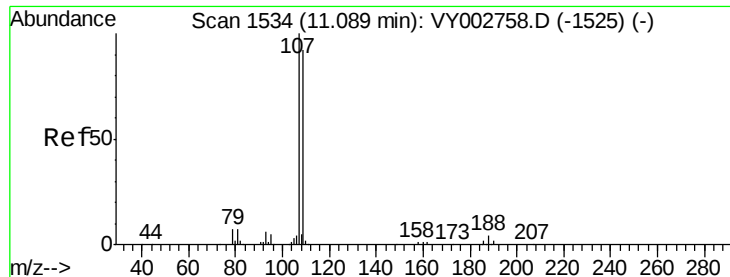
127 72.8 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

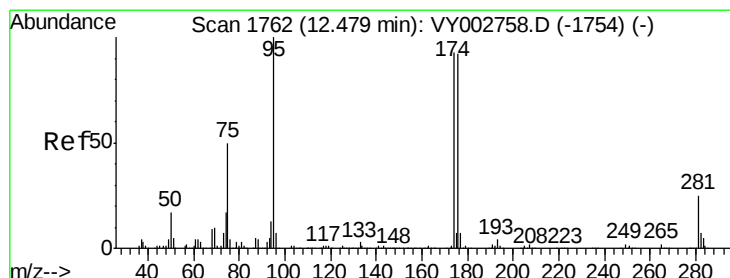
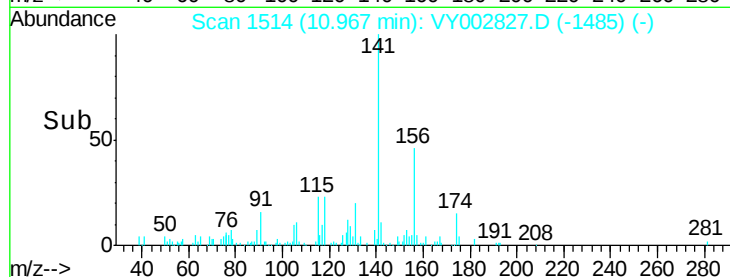
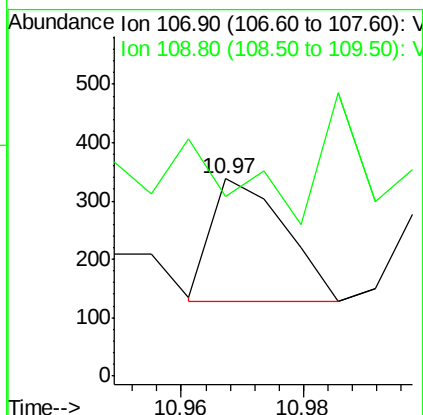
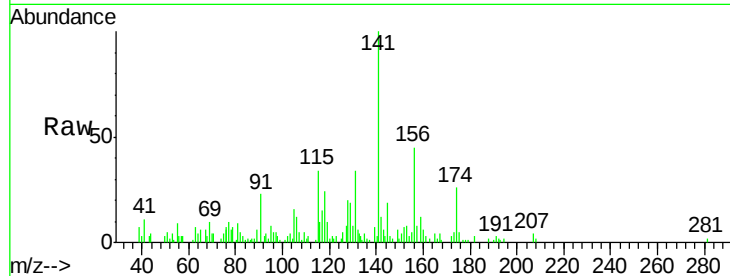




#61
 1,2-Dibromoethane
 Concen: 2.88 ug/l
 RT: 10.97 min Scan# 1514
 Delta R.T. -0.12 min
 Lab File: VY002827.D
 Acq: 03 Jun 2020 12:53

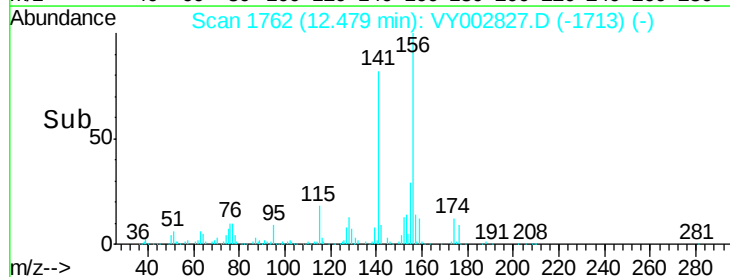
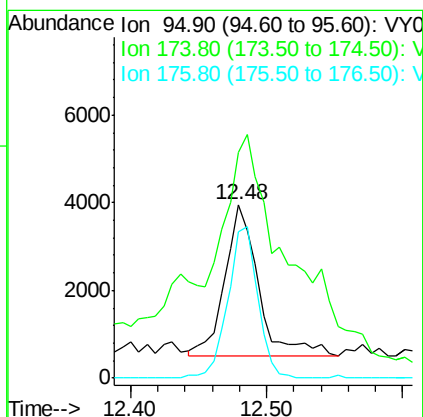
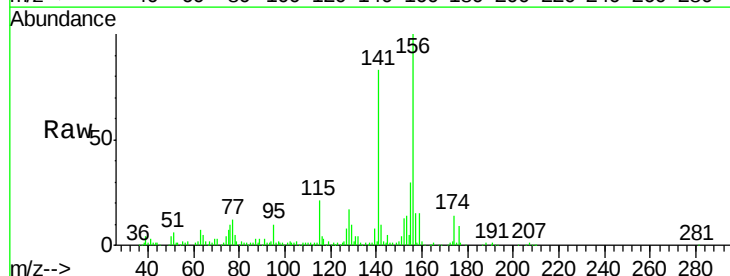
Instrument :
 MSVOA_Y
 ClientSampled :
 SP

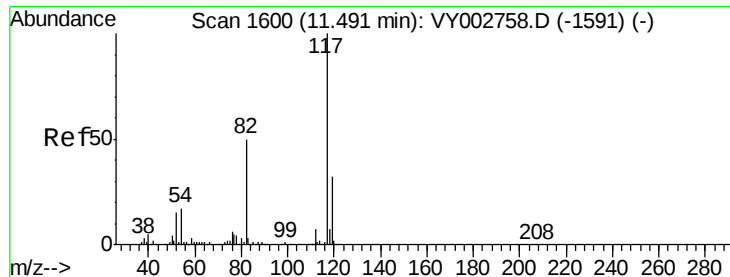
Tgt Ion: 107 Resp: 176
 Ion Ratio Lower Upper
 107 100
 109 92.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 63.63 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY002827.D
 Acq: 03 Jun 2020 12:53

Tgt Ion: 95 Resp: 5878
 Ion Ratio Lower Upper
 95 100
 174 295.6 0.0 191.2#
 176 89.9 0.0 188.8

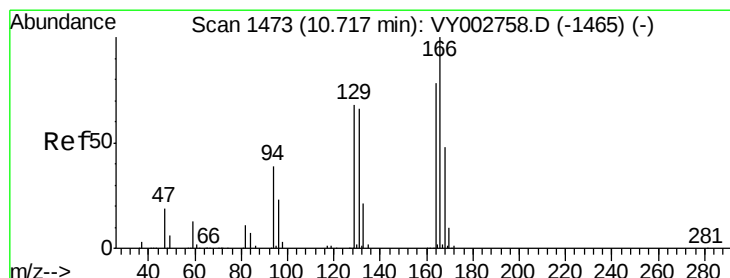
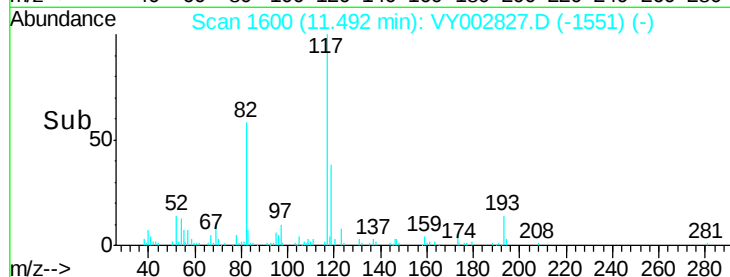
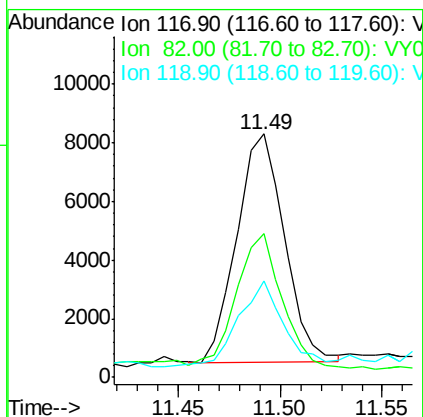
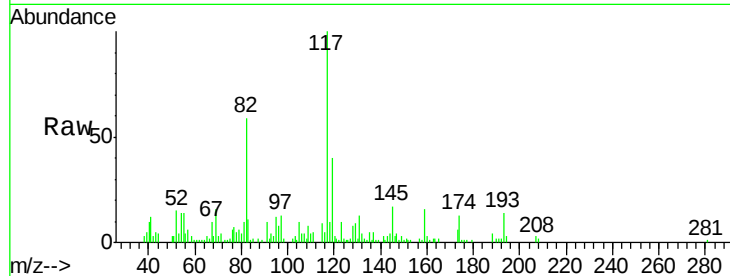




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002827.D
Acq: 03 Jun 2020 12:53

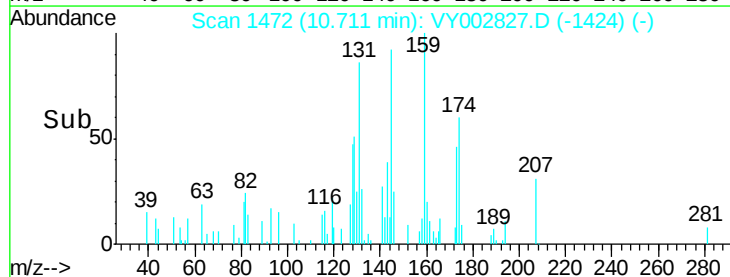
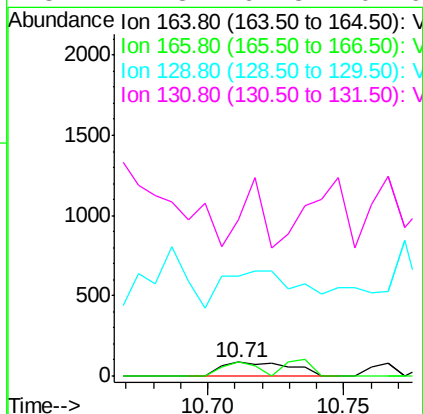
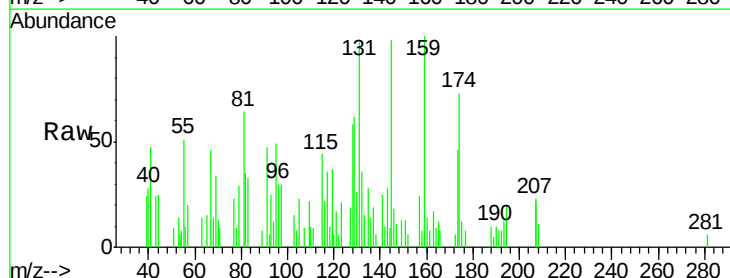
Instrument :
MSVOA_Y
ClientSampled :
SP

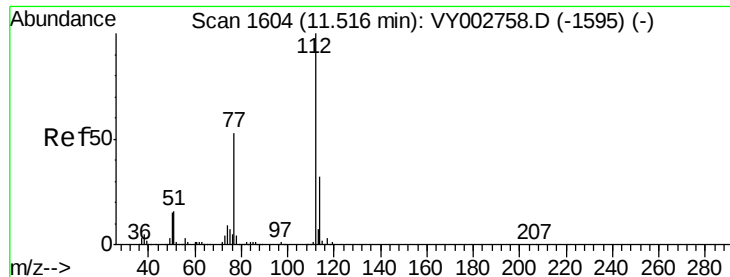
Tgt Ion:117 Resp: 12690
Ion Ratio Lower Upper
117 100
82 58.7 40.2 60.4
119 36.6 25.8 38.8



#64
Tetrachloroethene
Concen: 1.30 ug/l
RT: 10.71 min Scan# 1472
Delta R.T. -0.01 min
Lab File: VY002827.D
Acq: 03 Jun 2020 12:53

Tgt Ion:164 Resp: 150
Ion Ratio Lower Upper
164 100
166 98.8 102.3 153.5#
129 77.9 69.4 104.2
131 2.3 67.8 101.6#

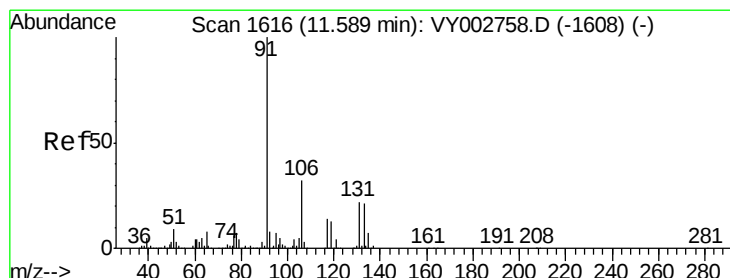
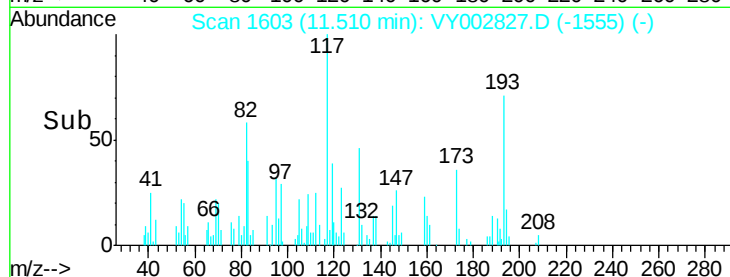
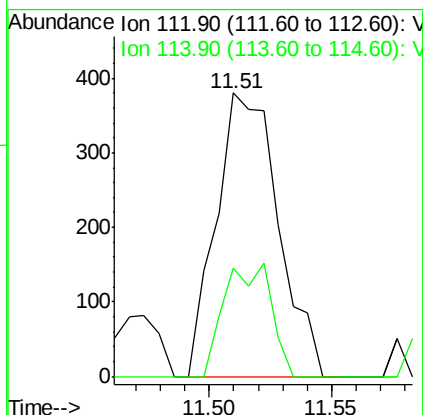
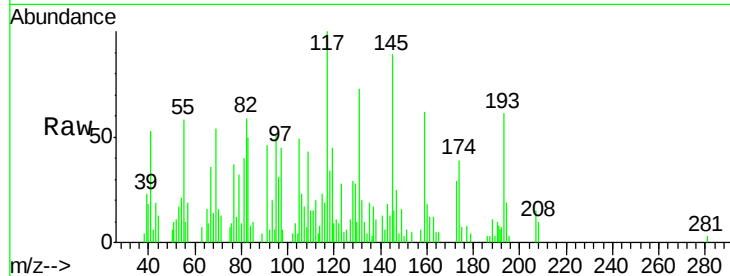




#65
Chlorobenzene
Concen: 2.68 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VY002827.D
Acq: 03 Jun 2020 12:53

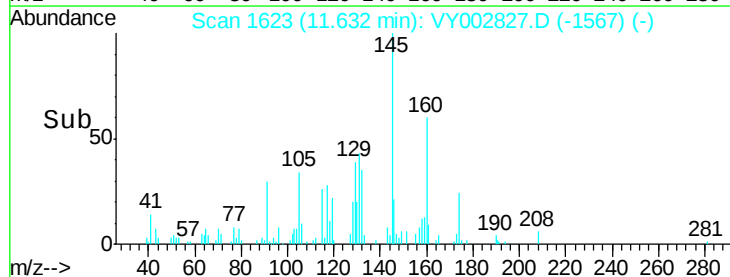
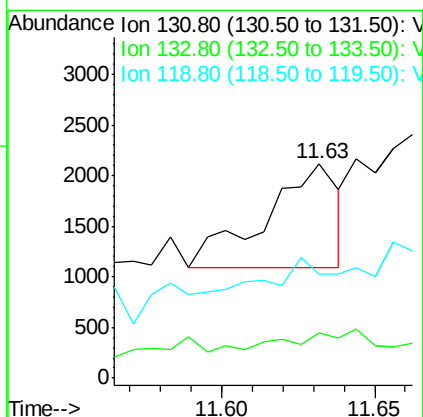
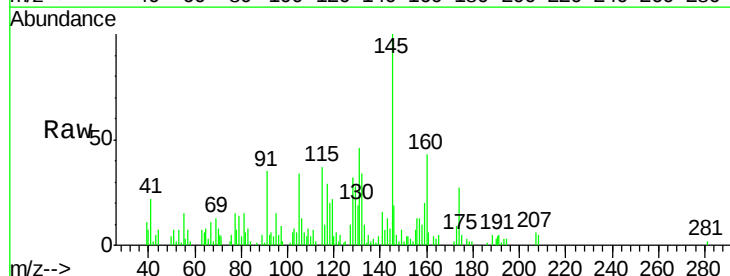
Instrument :
MSVOA_Y
ClientSampled :
SP

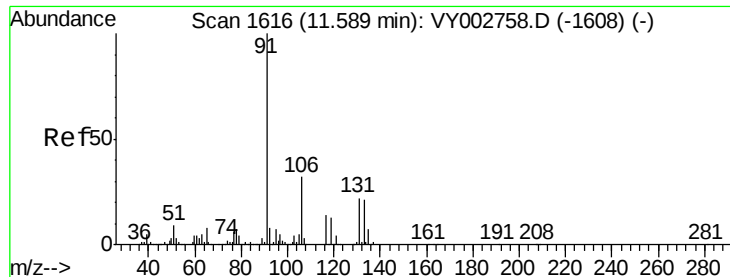
Tgt Ion:112 Resp: 672
Ion Ratio Lower Upper
112 100
114 38.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 18.27 ug/l
RT: 11.63 min Scan# 1623
Delta R.T. 0.04 min
Lab File: VY002827.D
Acq: 03 Jun 2020 12:53

Tgt Ion:131 Resp: 1726
Ion Ratio Lower Upper
131 100
133 0.0 47.6 142.8#
119 0.0 31.7 95.1#





#67

Ethyl Benzene

Concen: 4.46 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.01 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

Instrument :

MSVOA_Y

ClientSampled :

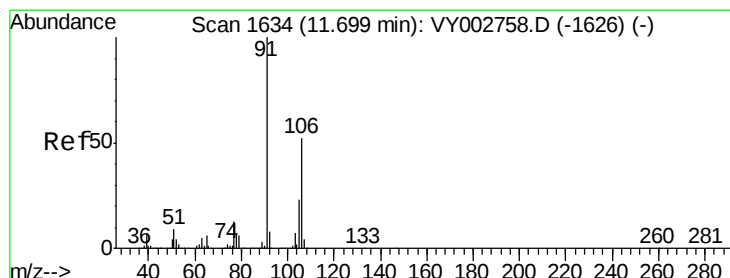
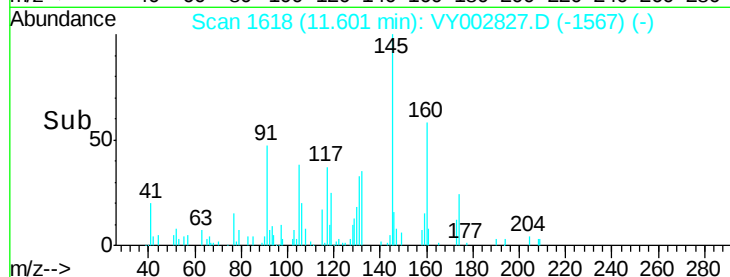
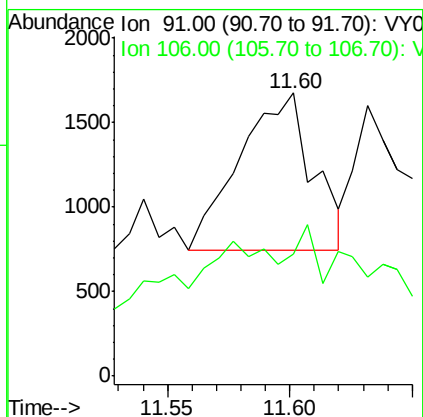
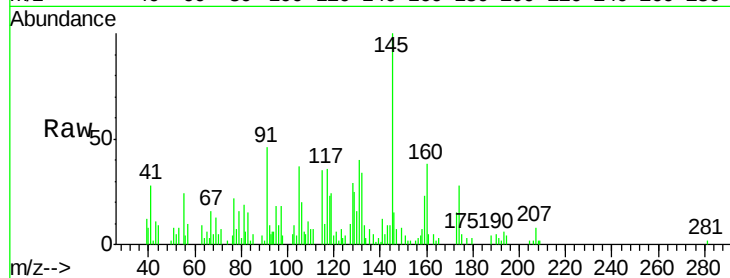
SP

Tgt Ion: 91 Resp: 1941

Ion Ratio Lower Upper

91 100

106 22.7 25.7 38.5#



#68

m/p-Xylenes

Concen: 12.01 ug/l

RT: 11.69 min Scan# 1633

Delta R.T. -0.01 min

Lab File: VY002827.D

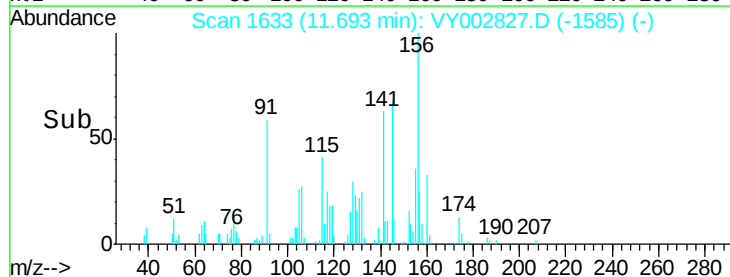
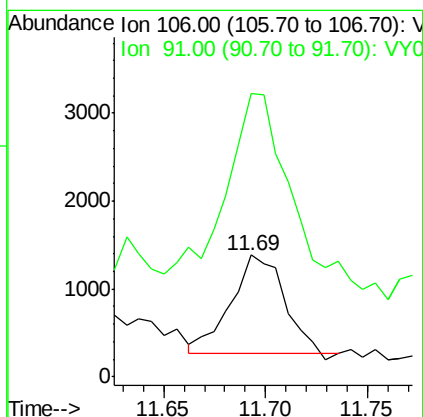
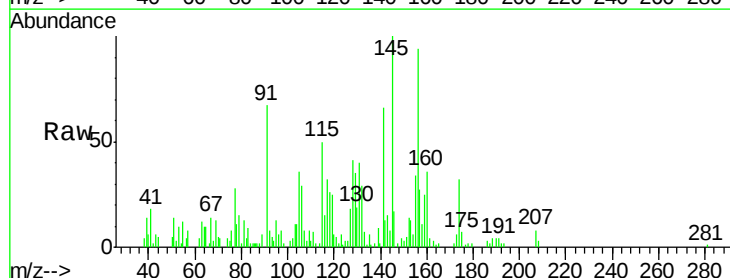
Acq: 03 Jun 2020 12:53

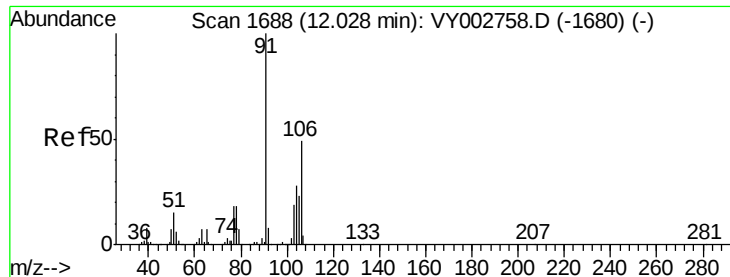
Tgt Ion: 106 Resp: 2025

Ion Ratio Lower Upper

106 100

91 281.2 156.0 234.0#

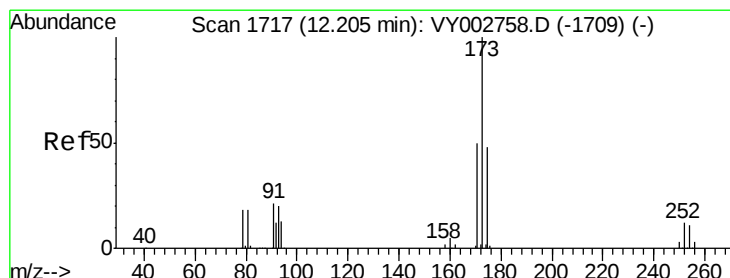
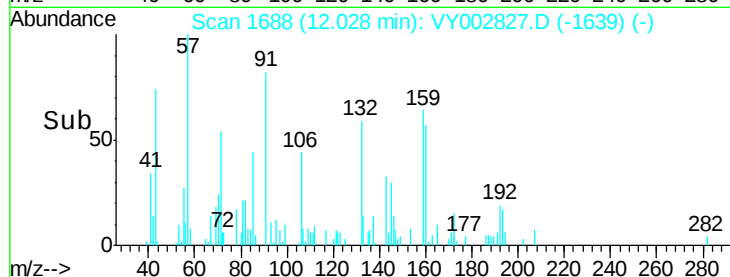
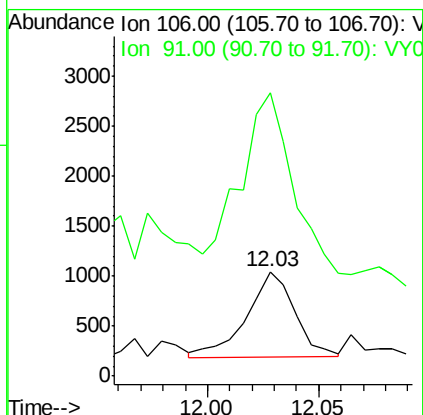
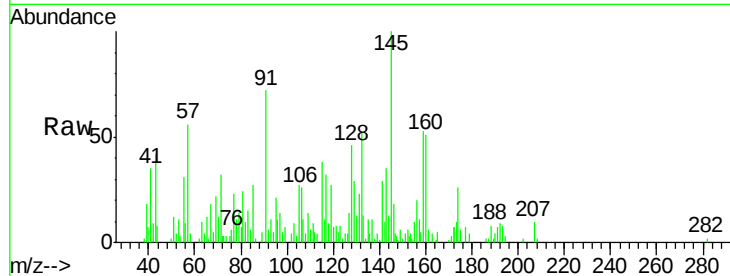




#69
o-Xylene
Concen: 8.10 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002827.D
Acq: 03 Jun 2020 12:53

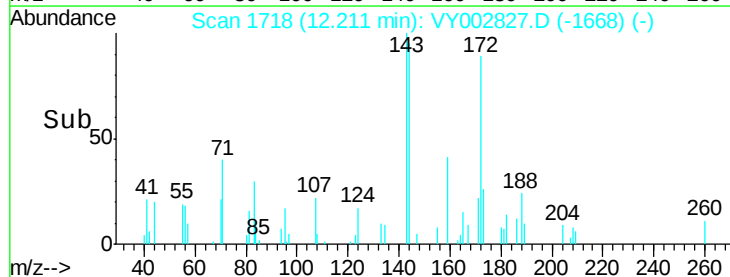
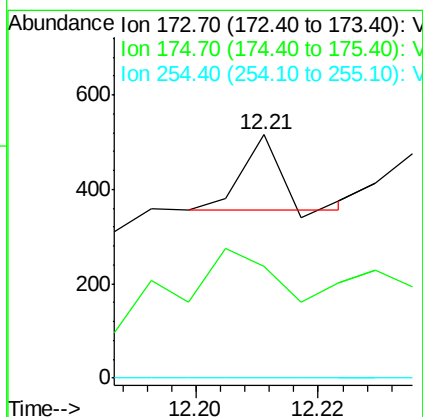
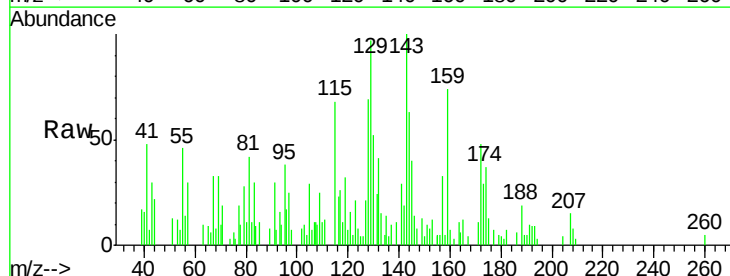
Instrument :
MSVOA_Y
ClientSampled :
SP

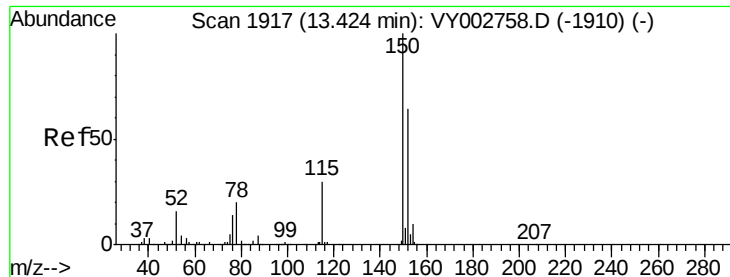
Tgt Ion:106 Resp: 1289
Ion Ratio Lower Upper
106 100
91 238.7 102.4 307.1



#71
Bromoform
Concen: 1.06 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VY002827.D
Acq: 03 Jun 2020 12:53

Tgt Ion:173 Resp: 67
Ion Ratio Lower Upper
173 100
175 304.5 24.3 72.8#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

SP

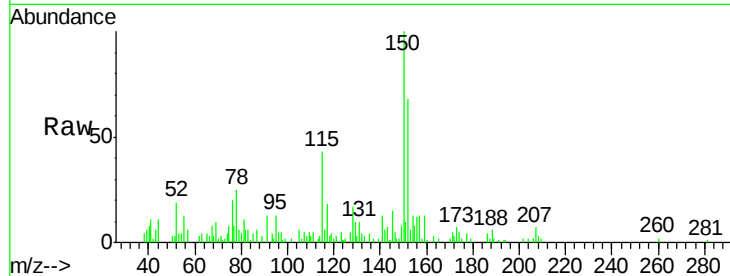
Tgt Ion:152 Resp: 5995

Ion Ratio Lower Upper

152 100

115 52.2 27.0 81.0

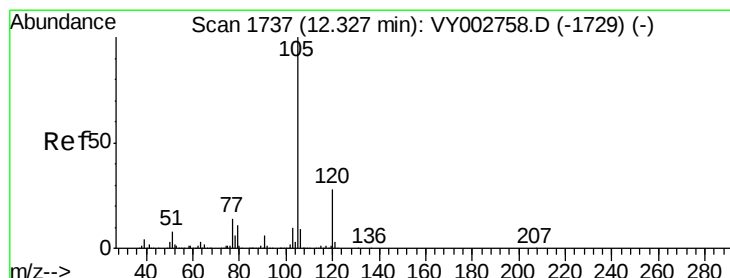
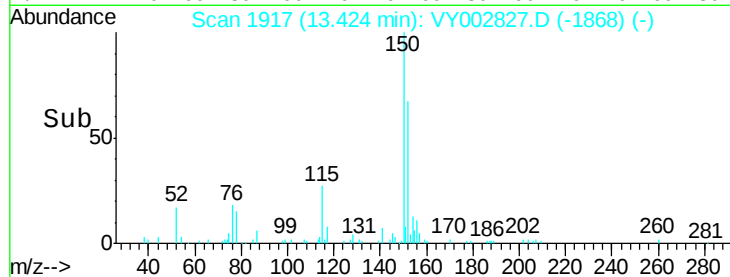
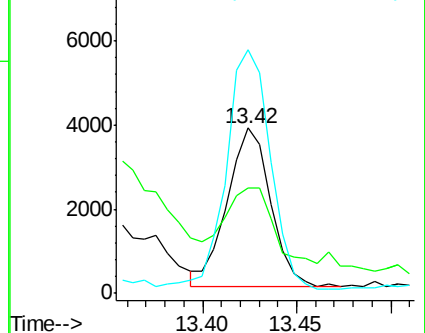
150 154.1 0.0 344.8



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



#73

Isopropylbenzene

Concen: 1.38 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY002827.D

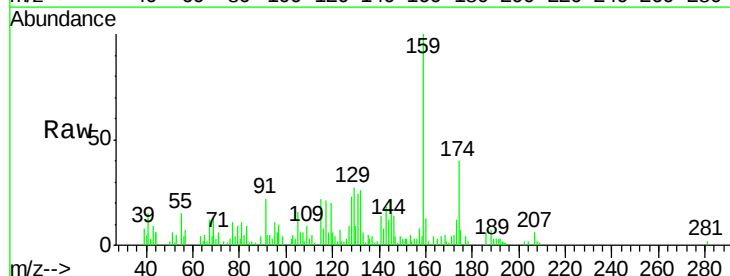
Acq: 03 Jun 2020 12:53

Tgt Ion:105 Resp: 530

Ion Ratio Lower Upper

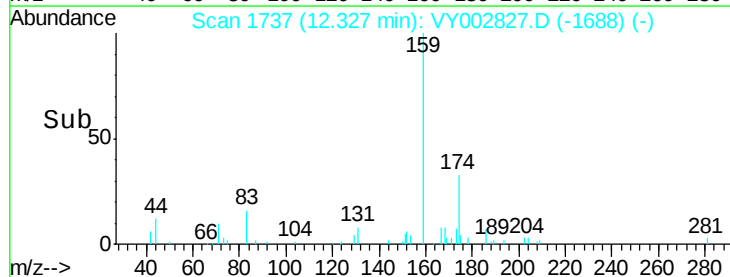
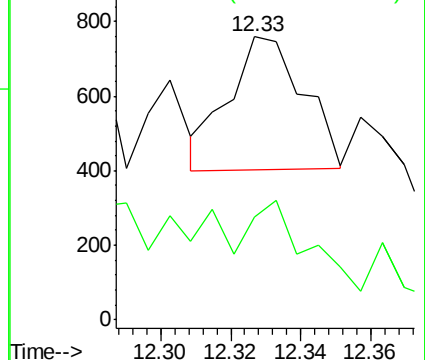
105 100

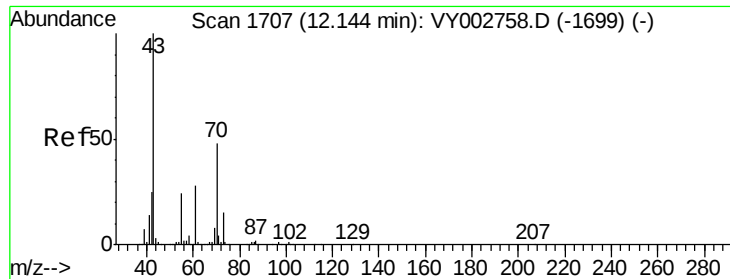
120 0.0 13.7 41.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: 154.38 ug/l

RT: 12.08 min Scan# 1696

Delta R.T. -0.07 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

SP

Tgt Ion: 43 Resp: 15218

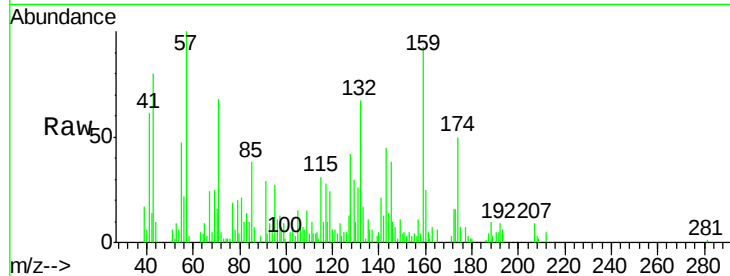
Ion Ratio Lower Upper

43 100

70 4.4 37.7 56.5#

55 18.7 19.8 29.6#

61 0.0 21.7 32.5#

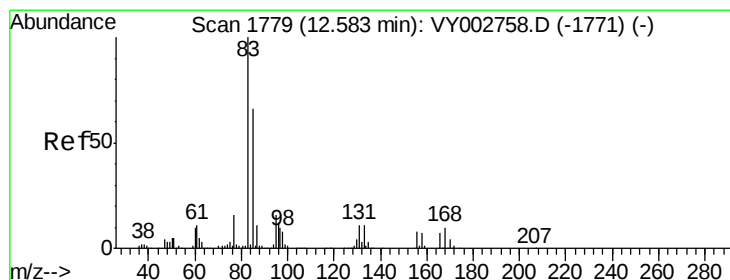
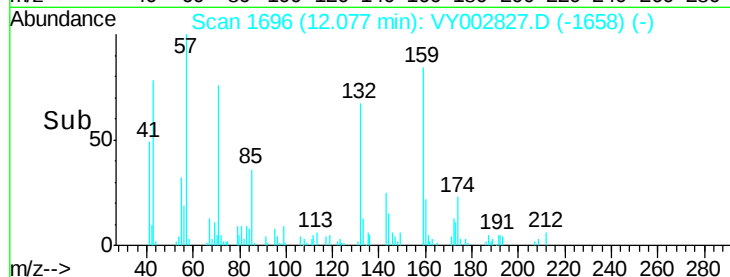
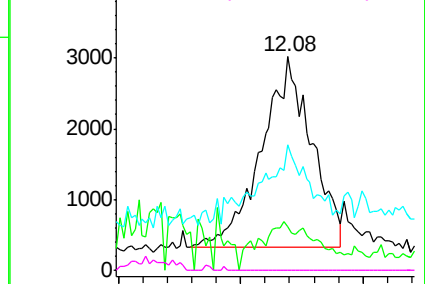


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



#75

1,1,2,2-Tetrachloroethane

Concen: 6.29 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

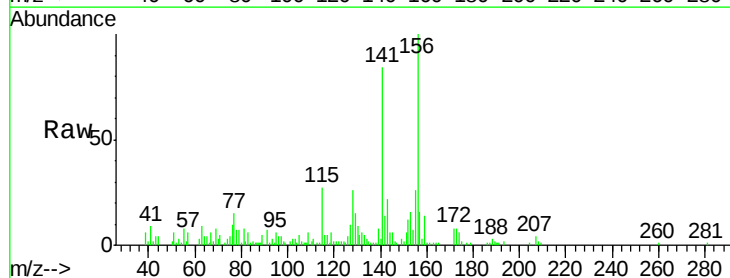
Tgt Ion: 83 Resp: 424

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

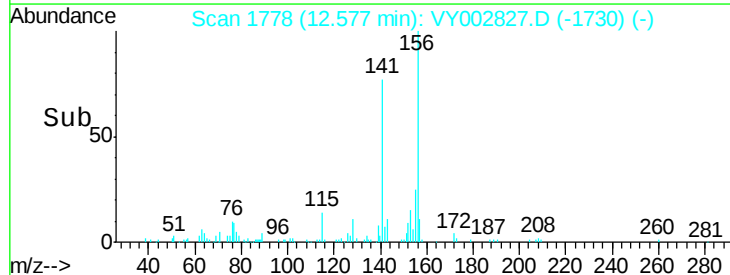
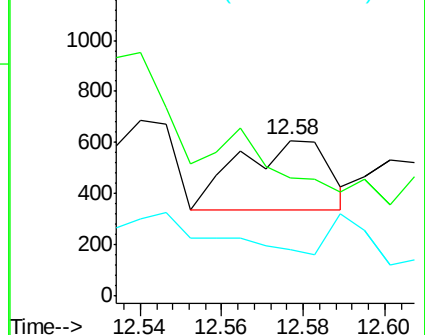
85 0.0 32.6 98.0#

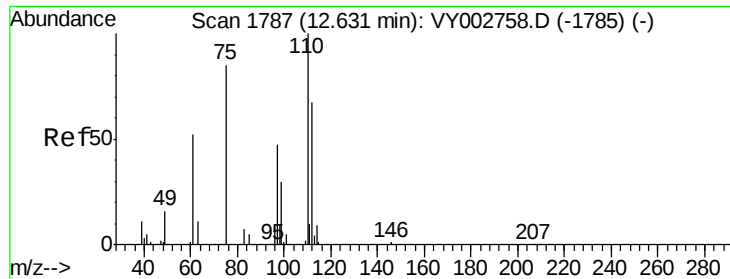


Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VY0

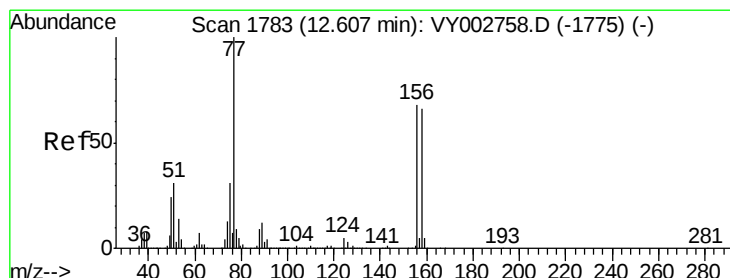
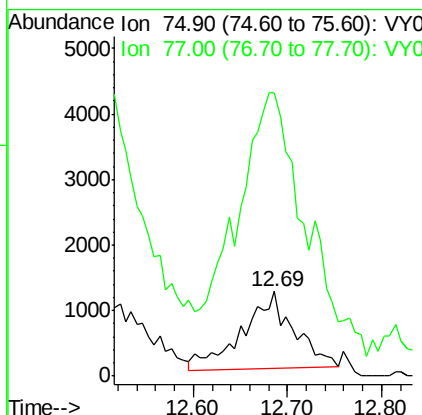
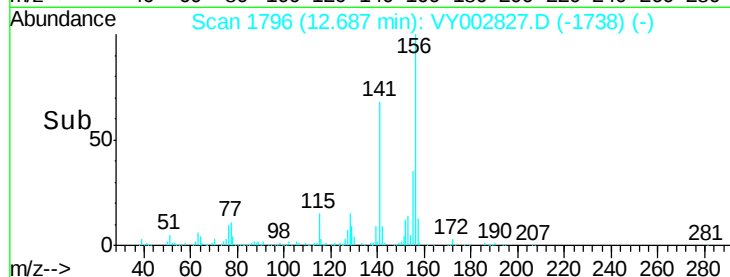
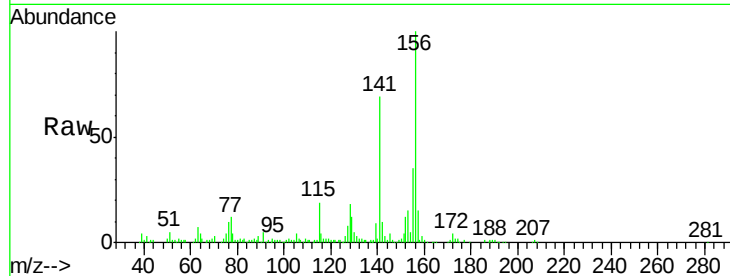




#76
 1,2,3-Trichloropropane
 Concen: 81.32 ug/l
 RT: 12.69 min Scan# 1796
 Delta R.T. 0.06 min
 Lab File: VY002827.D
 Acq: 03 Jun 2020 12:53

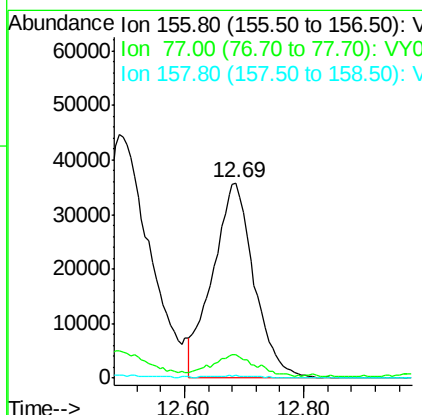
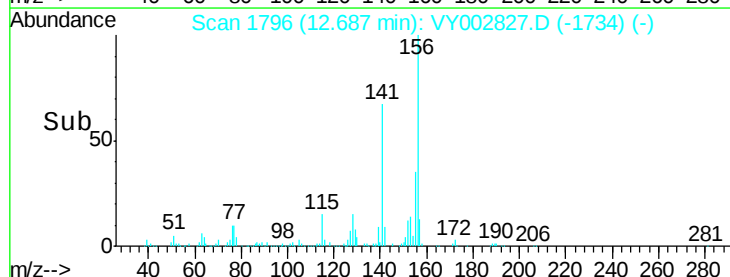
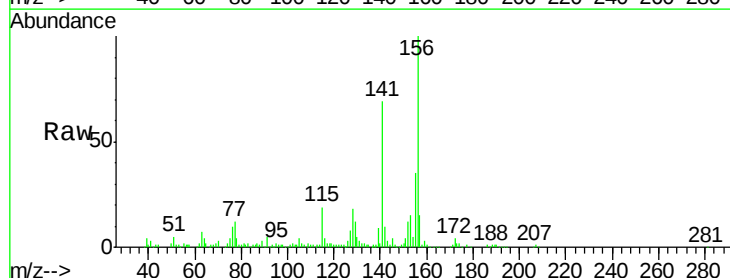
Instrument :
 MSVOA_Y
 ClientSampled :
 SP

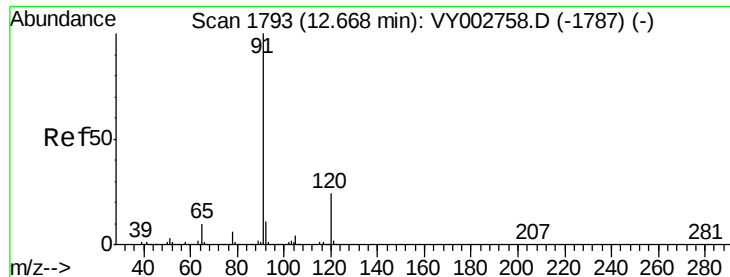
Tgt Ion: 75 Resp: 4393
 Ion Ratio Lower Upper
 75 100
 77 463.7 0.0 0.0#



#77
 Bromobenzene
 Concen: 1719.77 ug/l
 RT: 12.69 min Scan# 1796
 Delta R.T. 0.08 min
 Lab File: VY002827.D
 Acq: 03 Jun 2020 12:53

Tgt Ion: 156 Resp: 172039
 Ion Ratio Lower Upper
 156 100
 77 11.8 81.4 244.2#
 158 0.3 48.5 145.6#





#78

n-propylbenzene

Concen: 10.44 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

Instrument :

MSVOA_Y

ClientSampled :

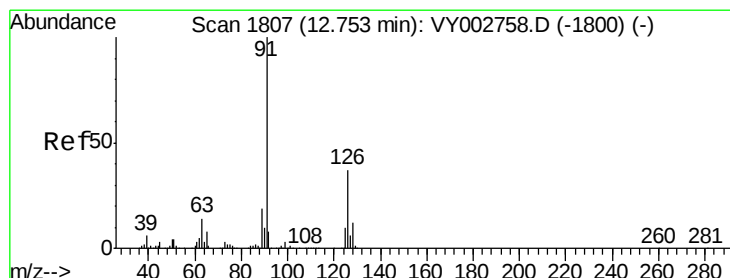
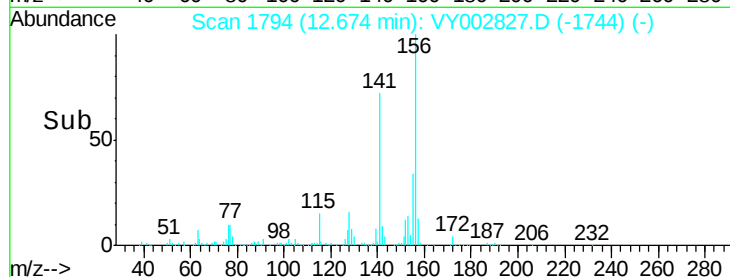
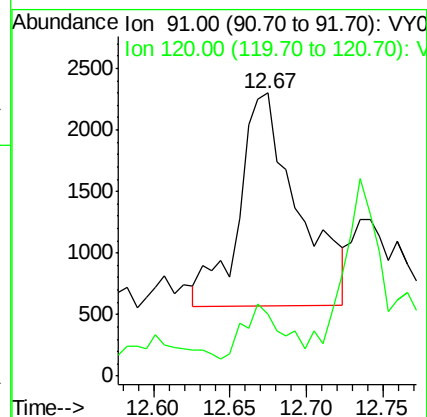
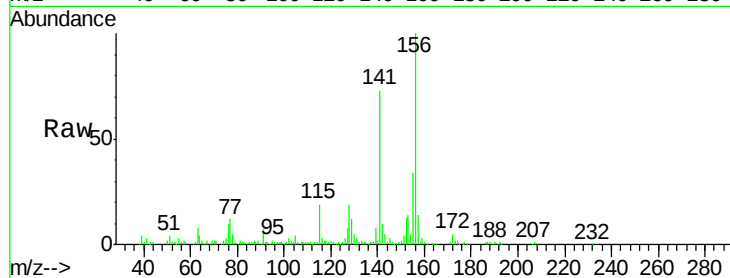
SP

Tgt Ion: 91 Resp: 4631

Ion Ratio Lower Upper

91 100

120 26.6 12.3 36.9



#79

2-Chlorotoluene

Concen: 18.60 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.08 min

Lab File: VY002827.D

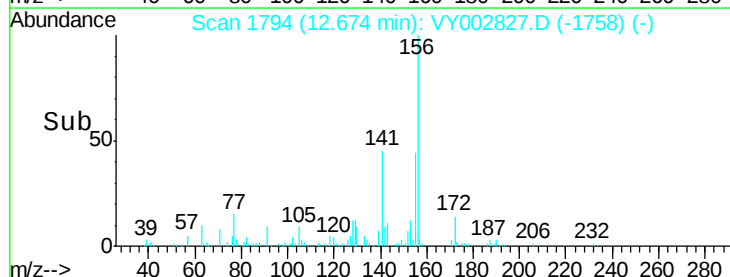
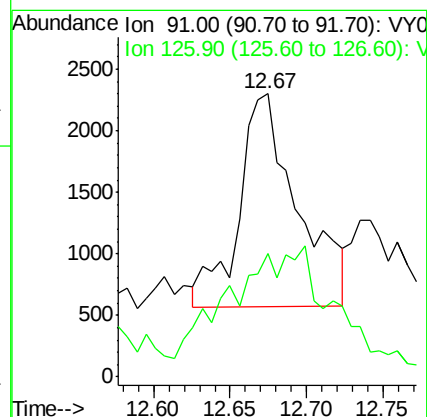
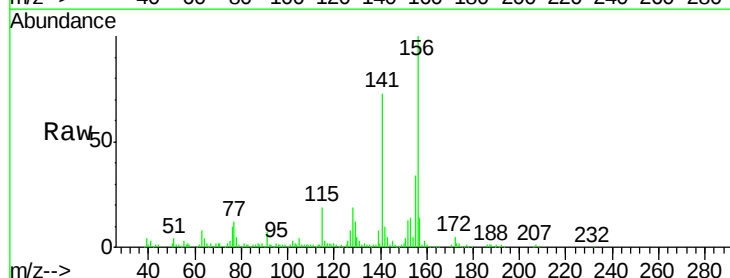
Acq: 03 Jun 2020 12:53

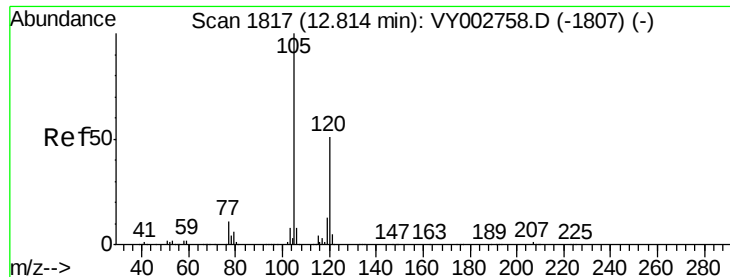
Tgt Ion: 91 Resp: 4631

Ion Ratio Lower Upper

91 100

126 43.3 18.4 55.4

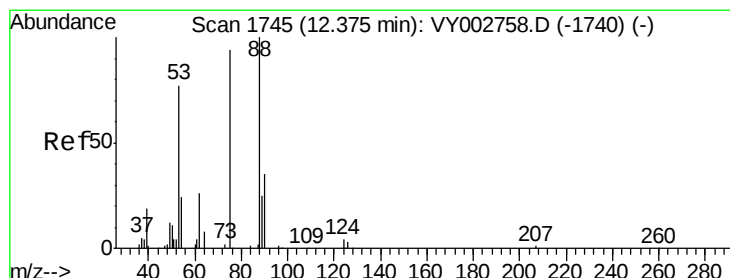
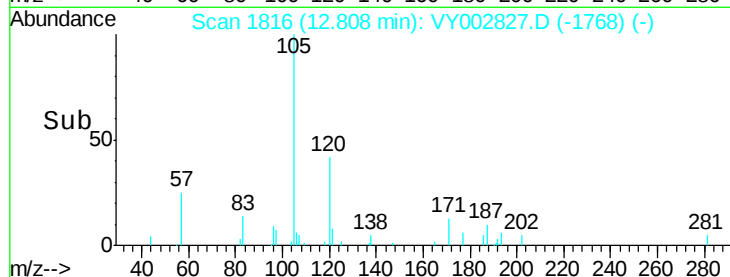
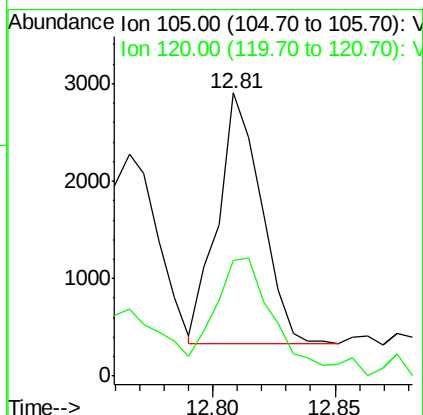
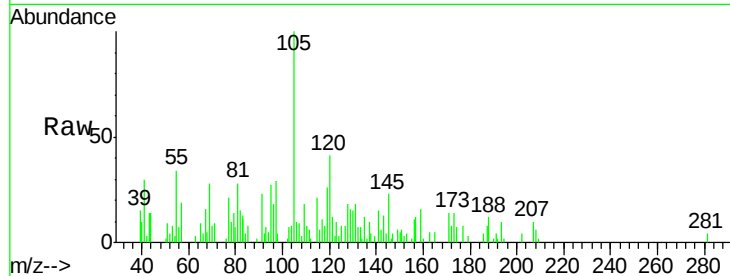




#80
 1,3,5-Trimethylbenzene
 Concen: 9.88 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: VY002827.D
 Acq: 03 Jun 2020 12:53

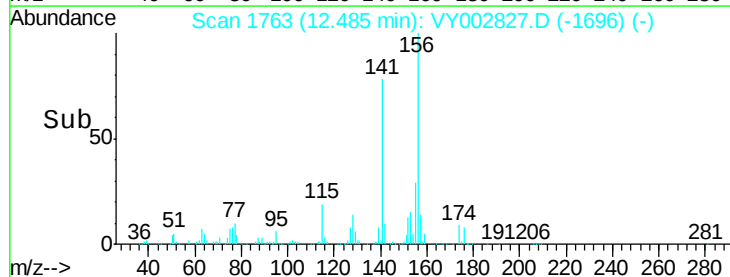
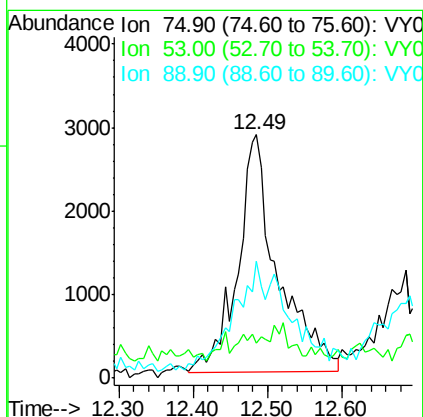
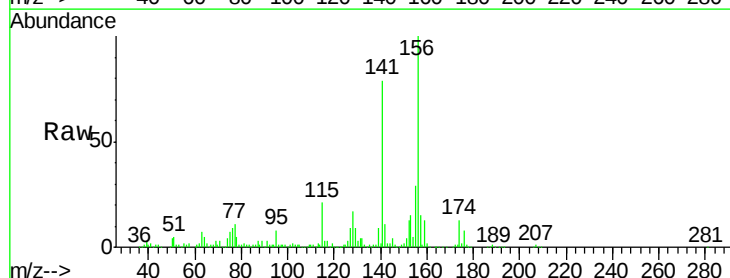
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP

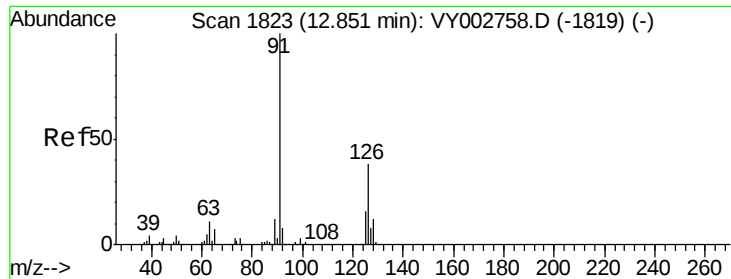
Tgt Ion: 105 Resp: 3170
 Ion Ratio Lower Upper
 105 100
 120 66.9 25.3 75.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 374.26 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.11 min
 Lab File: VY002827.D
 Acq: 03 Jun 2020 12:53

Tgt Ion: 75 Resp: 10731
 Ion Ratio Lower Upper
 75 100
 53 3.2 64.0 96.0#
 89 33.8 37.4 56.2#

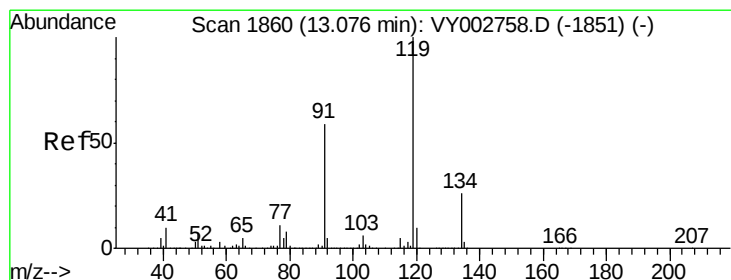
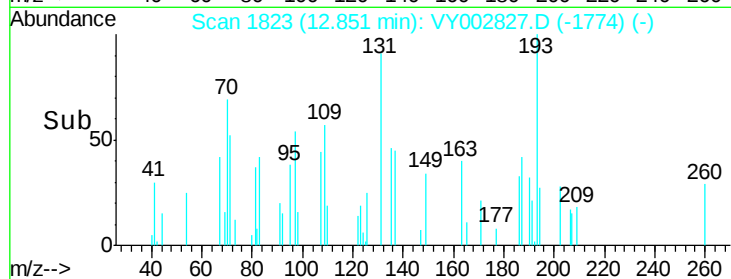
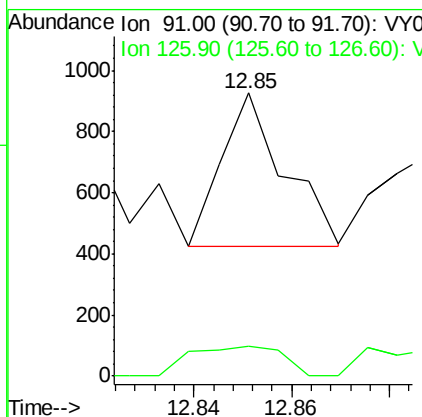
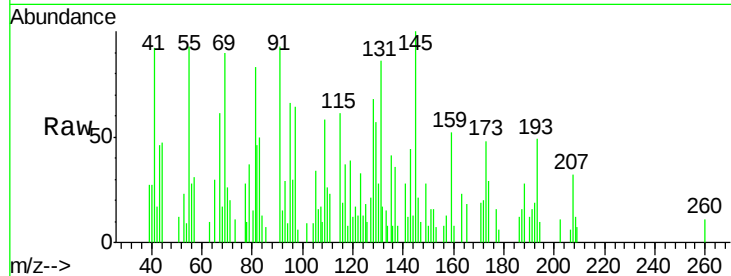




#82
4-Chlorotoluene
Concen: 1.70 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VY002827.D
Acq: 03 Jun 2020 12:53

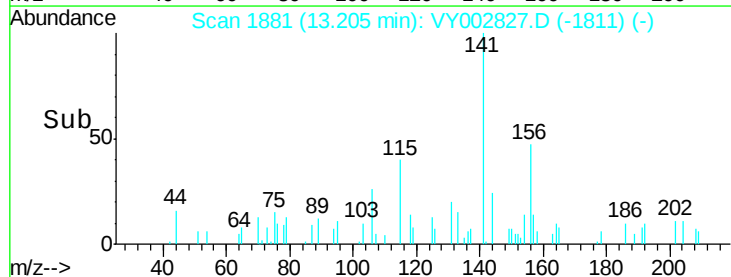
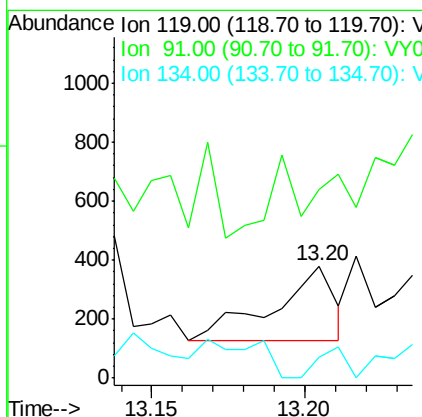
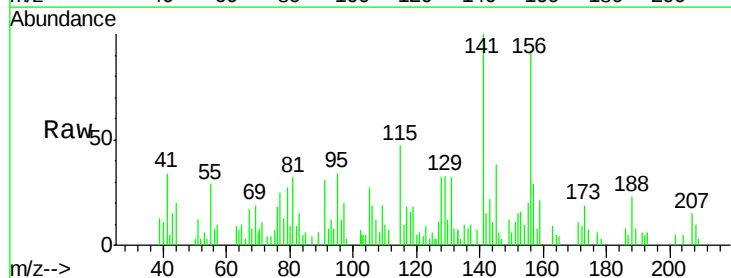
Instrument :
MSVOA_Y
ClientSampled :
SP

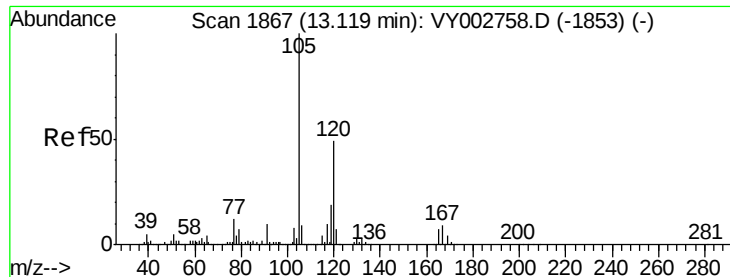
Tgt Ion: 91 Resp: 443
Ion Ratio Lower Upper
91 100
126 28.7 18.5 55.5



#83
tert-Butylbenzene
Concen: 1.22 ug/l
RT: 13.20 min Scan# 1881
Delta R.T. 0.13 min
Lab File: VY002827.D
Acq: 03 Jun 2020 12:53

Tgt Ion: 119 Resp: 349
Ion Ratio Lower Upper
119 100
91 30.1 29.8 89.4
134 18.1 13.3 39.8

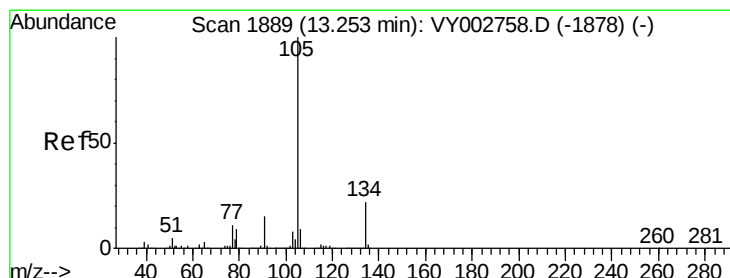
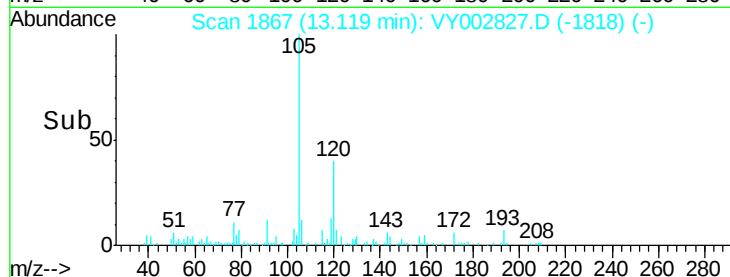
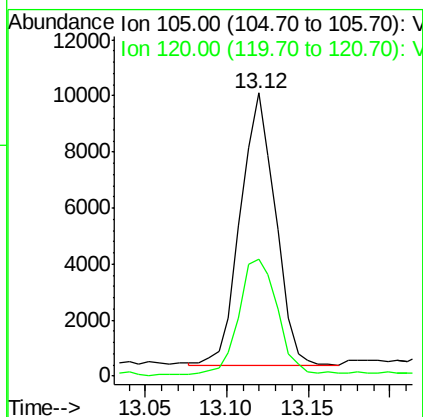
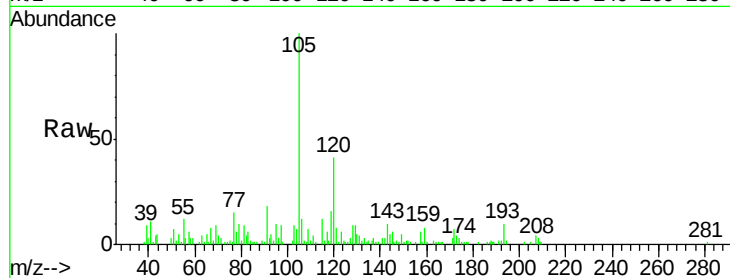




#84
1,2,4-Trimethylbenzene
Concen: 45.40 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY002827.D
Acq: 03 Jun 2020 12:53

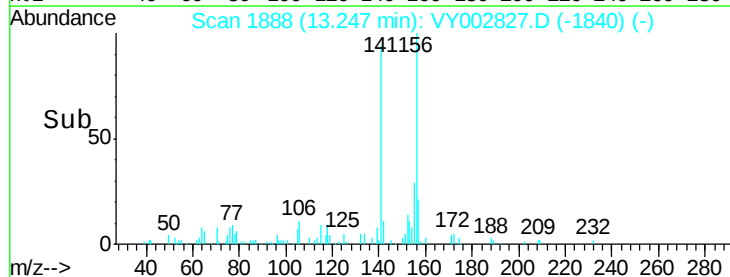
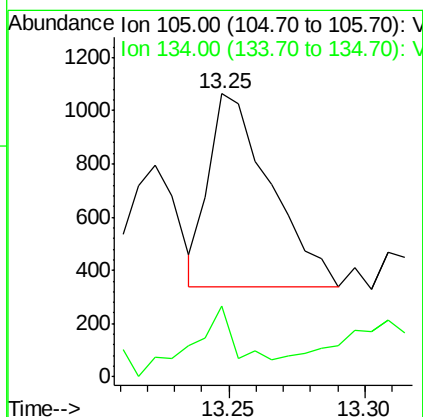
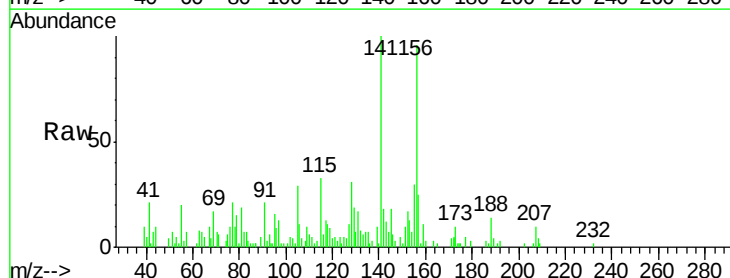
Instrument :
MSVOA_Y
ClientSampled :
SP

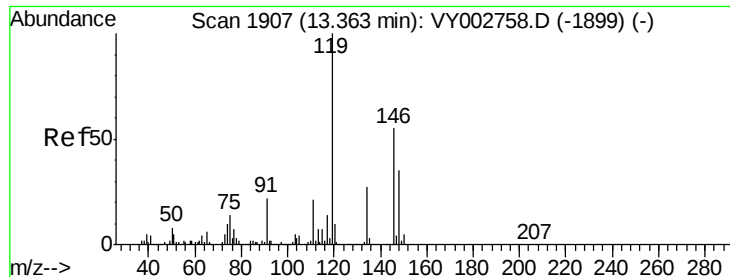
Tgt Ion:105 Resp: 14643
Ion Ratio Lower Upper
105 100
120 48.5 23.6 70.8



#85
sec-Butylbenzene
Concen: 2.90 ug/l
RT: 13.25 min Scan# 1888
Delta R.T. -0.01 min
Lab File: VY002827.D
Acq: 03 Jun 2020 12:53

Tgt Ion:105 Resp: 1136
Ion Ratio Lower Upper
105 100
134 29.0 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 4.82 ug/l

RT: 13.35 min Scan# 1905

Delta R.T. -0.01 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

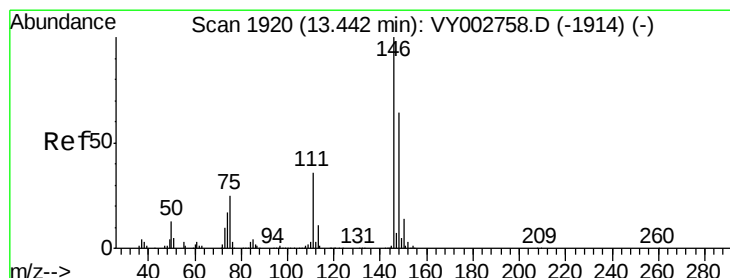
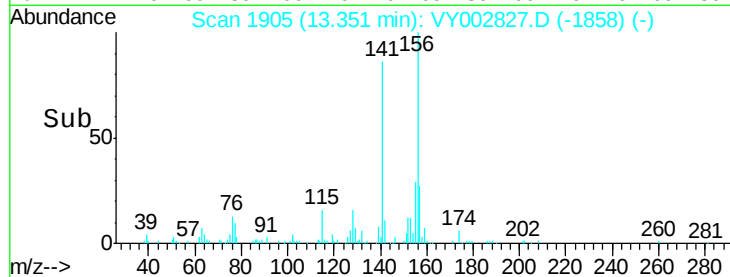
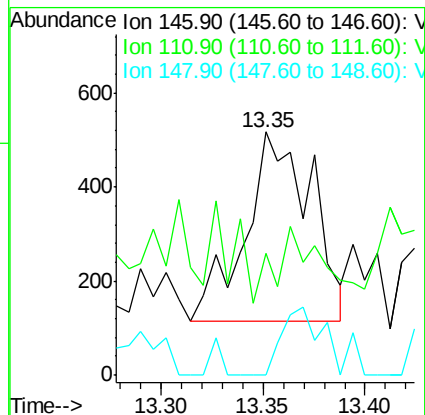
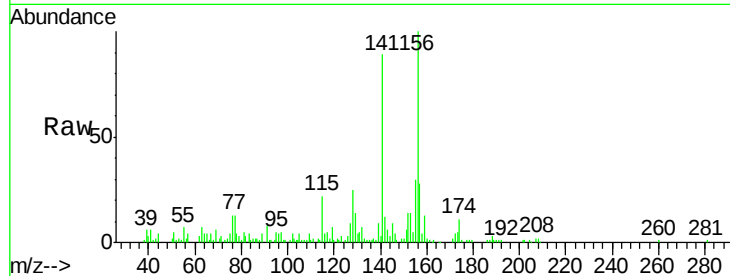
Instrument :

MSVOA_Y

ClientSampleId :

SP

Tgt Ion:	146	Resp:	914
Ion	Ratio	Lower	Upper
146	100		
111	28.2	18.4	55.0
148	24.6	31.9	95.7#



#88

1,4-Dichlorobenzene

Concen: 6.97 ug/l

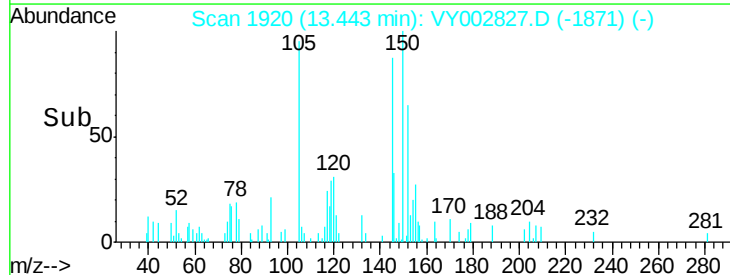
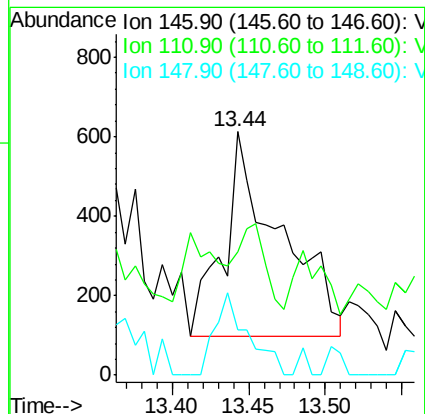
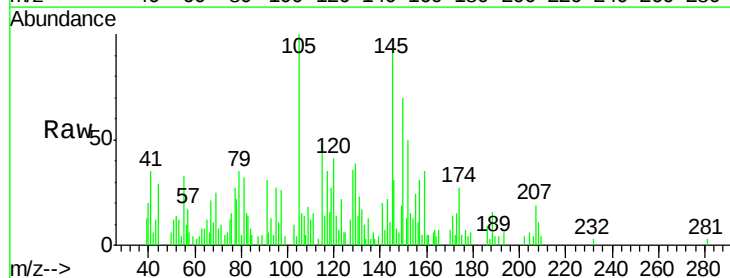
RT: 13.44 min Scan# 1920

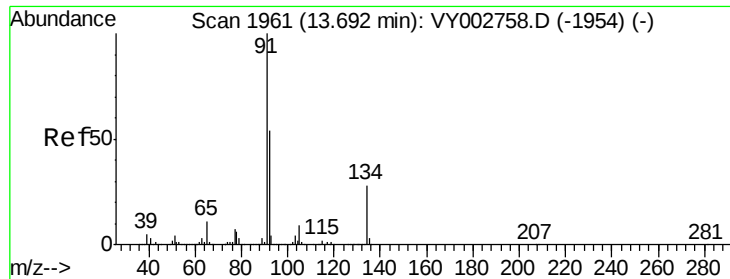
Delta R.T. 0.00 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

Tgt Ion:	146	Resp:	1322
Ion	Ratio	Lower	Upper
146	100		
111	28.1	18.1	54.3
148	23.9	32.1	96.3#





#89

n-Butylbenzene

Concen: 1.64 ug/l

RT: 13.46 min Scan# 1923

Delta R.T. -0.23 min

Lab File: VY002827.D

Acq: 03 Jun 2020 12:53

Instrument :

MSVOA_Y

ClientSampled :

SP

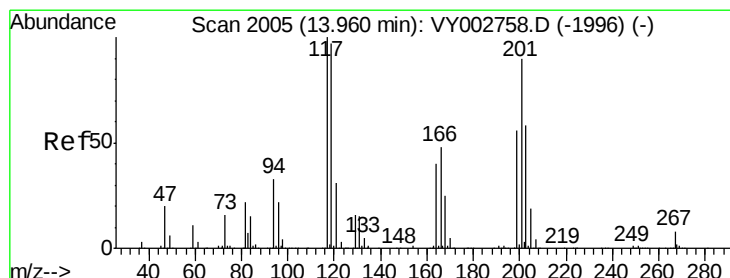
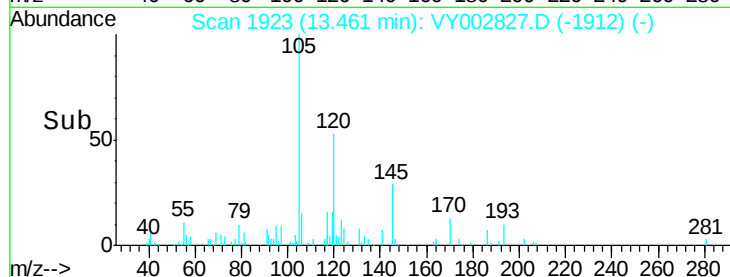
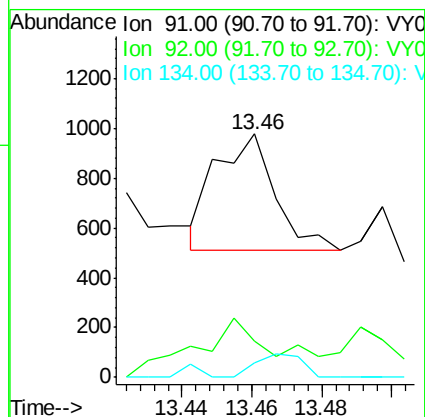
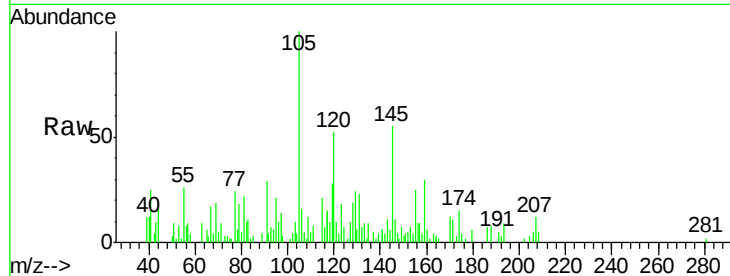
Tgt Ion: 91 Resp: 543

Ion Ratio Lower Upper

91 100

92 71.8 27.1 81.2

134 15.8 14.3 42.9



#90

Hexachloroethane

Concen: 12.81 ug/l

RT: 13.98 min Scan# 2008

Delta R.T. 0.02 min

Lab File: VY002827.D

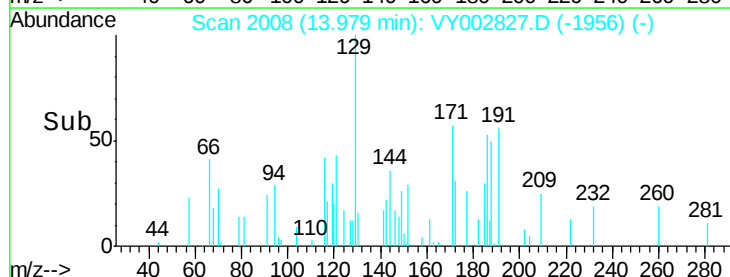
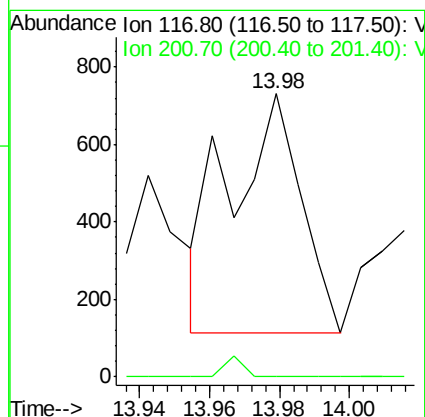
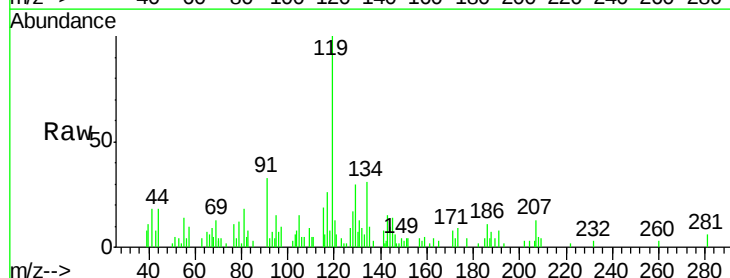
Acq: 03 Jun 2020 12:53

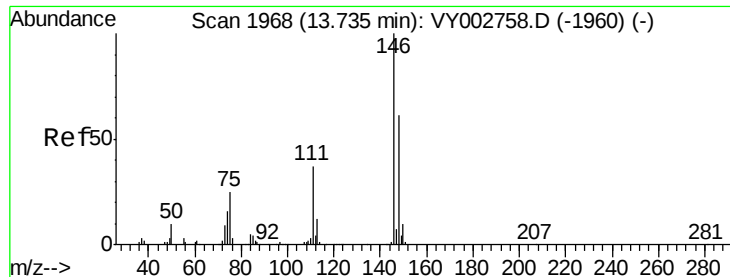
Tgt Ion: 117 Resp: 873

Ion Ratio Lower Upper

117 100

201 2.3 43.9 131.6#

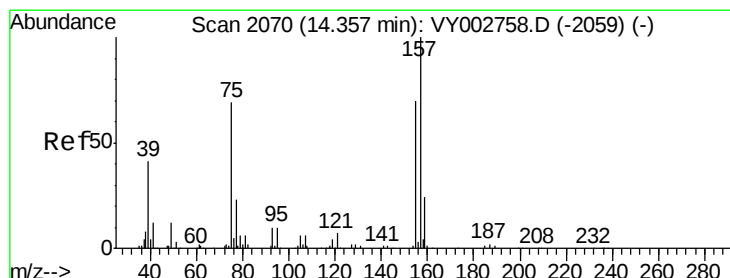
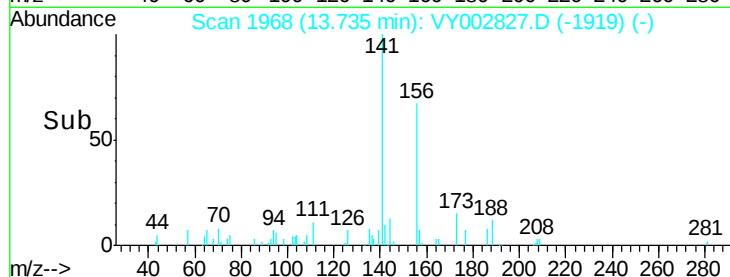
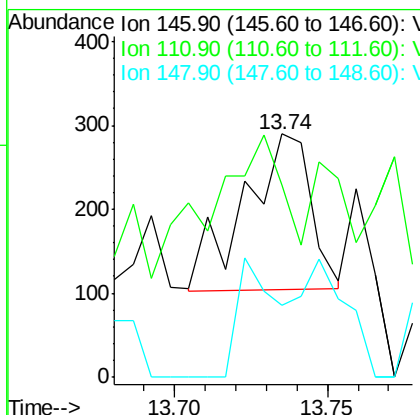
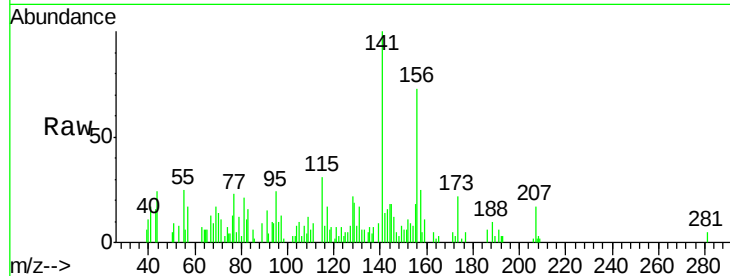




#91
 1,2-Dichlorobenzene
 Concen: 1.62 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY002827.D
 Acq: 03 Jun 2020 12:53

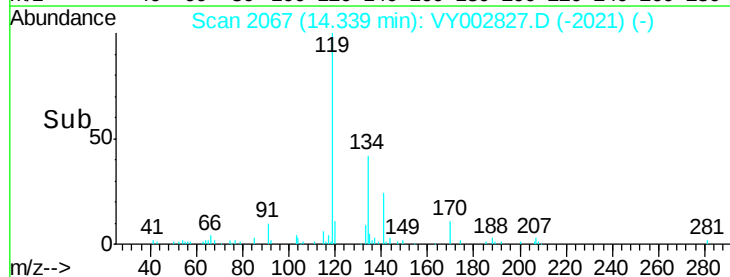
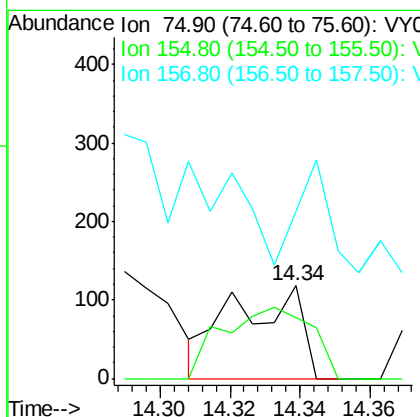
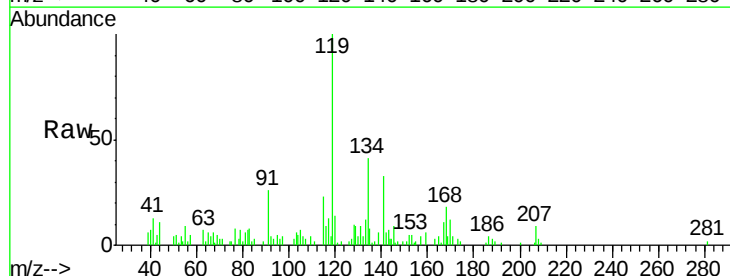
Instrument :
 MSVOA_Y
 ClientSampled :
 SP

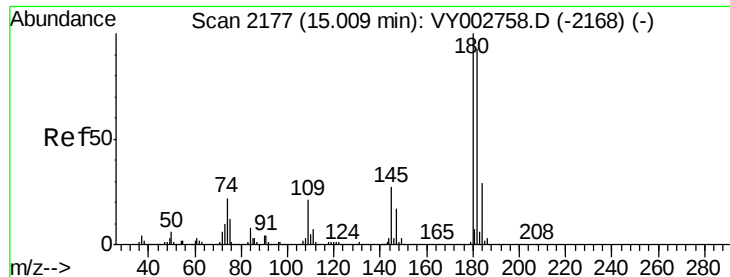
Tgt Ion: 146 Resp: 278
 Ion Ratio Lower Upper
 146 100
 111 101.8 18.9 56.9#
 148 43.5 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 12.18 ug/l
 RT: 14.34 min Scan# 2067
 Delta R.T. -0.02 min
 Lab File: VY002827.D
 Acq: 03 Jun 2020 12:53

Tgt Ion: 75 Resp: 158
 Ion Ratio Lower Upper
 75 100
 155 100.6 53.5 160.5
 157 85.4 69.9 209.7

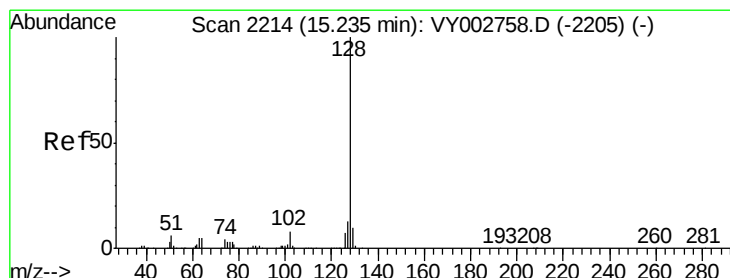
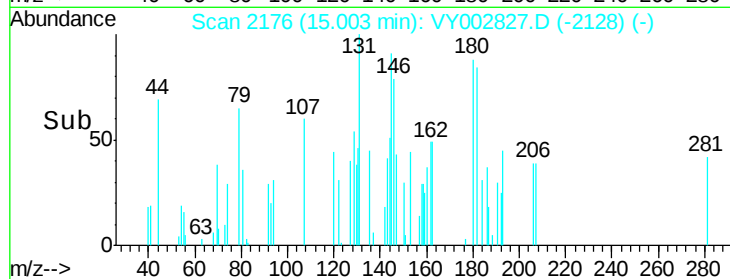
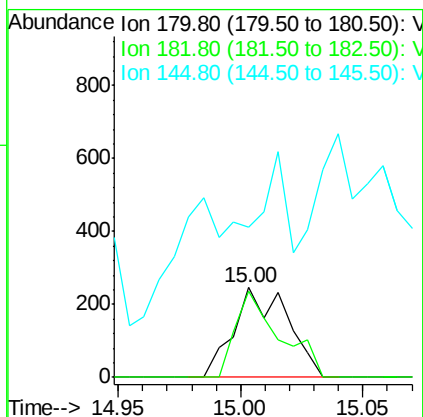
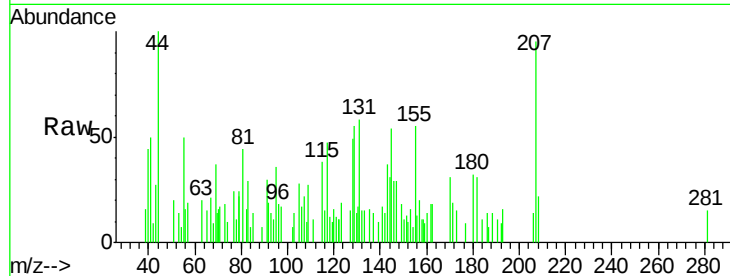




#93
 1,2,4-Trichlorobenzene
 Concen: 2.90 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY002827.D
 Acq: 03 Jun 2020 12:53

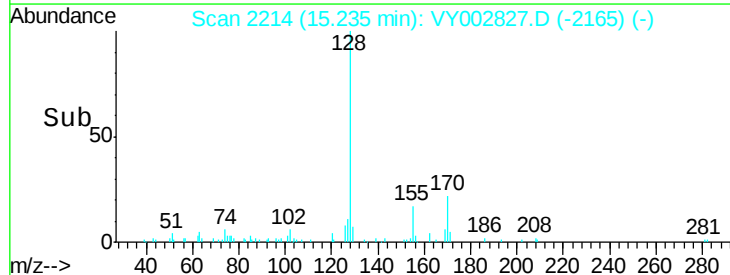
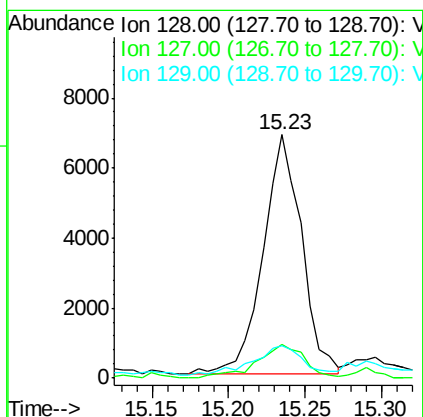
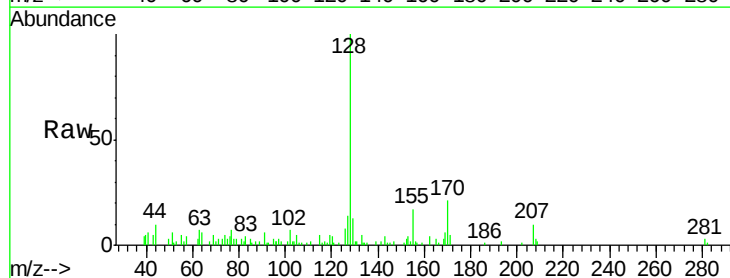
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP

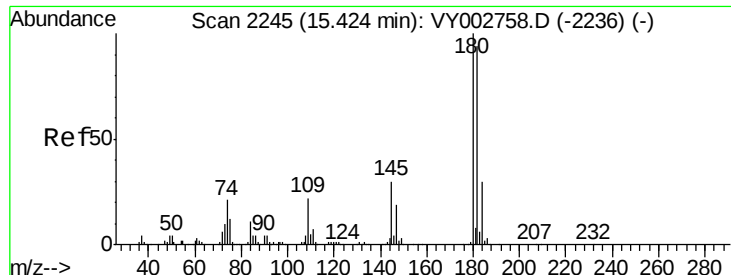
Tgt Ion:180 Resp: 376
 Ion Ratio Lower Upper
 180 100
 182 78.7 47.3 141.9
 145 168.6 14.1 42.3#



#95
 Naphthalene
 Concen: 46.43 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VY002827.D
 Acq: 03 Jun 2020 12:53

Tgt Ion:128 Resp: 12059
 Ion Ratio Lower Upper
 128 100
 127 17.2 10.3 15.5#
 129 14.9 8.7 13.1#

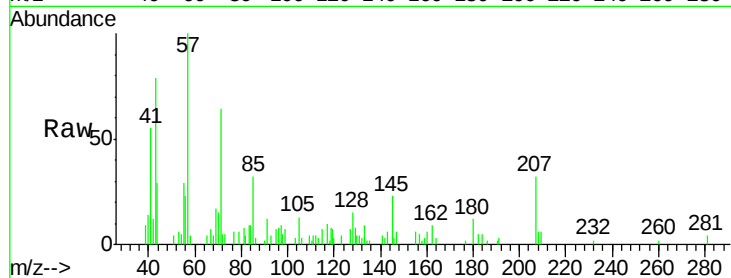




#96
 1,2,3-Trichlorobenzene
 Concen: 3.67 ug/l
 RT: 15.42 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VY002827.D
 Acq: 03 Jun 2020 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP

Tgt Ion:180 Resp: 424
 Ion Ratio Lower Upper
 180 100
 182 69.6 48.1 144.4
 145 300.0 15.1 45.3#



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

