

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
 Data File : VY002619.D
 Acq On : 07 May 2020 10:29
 Operator : SY/MD
 Sample : VY0507SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBL01

Quant Time: May 07 12:42:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	378032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	567425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	507666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	259708	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	162359	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	7.74	113	172603	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
50) Toluene-d8	10.19	98	668670	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.49	95	227545	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	

Target Compounds

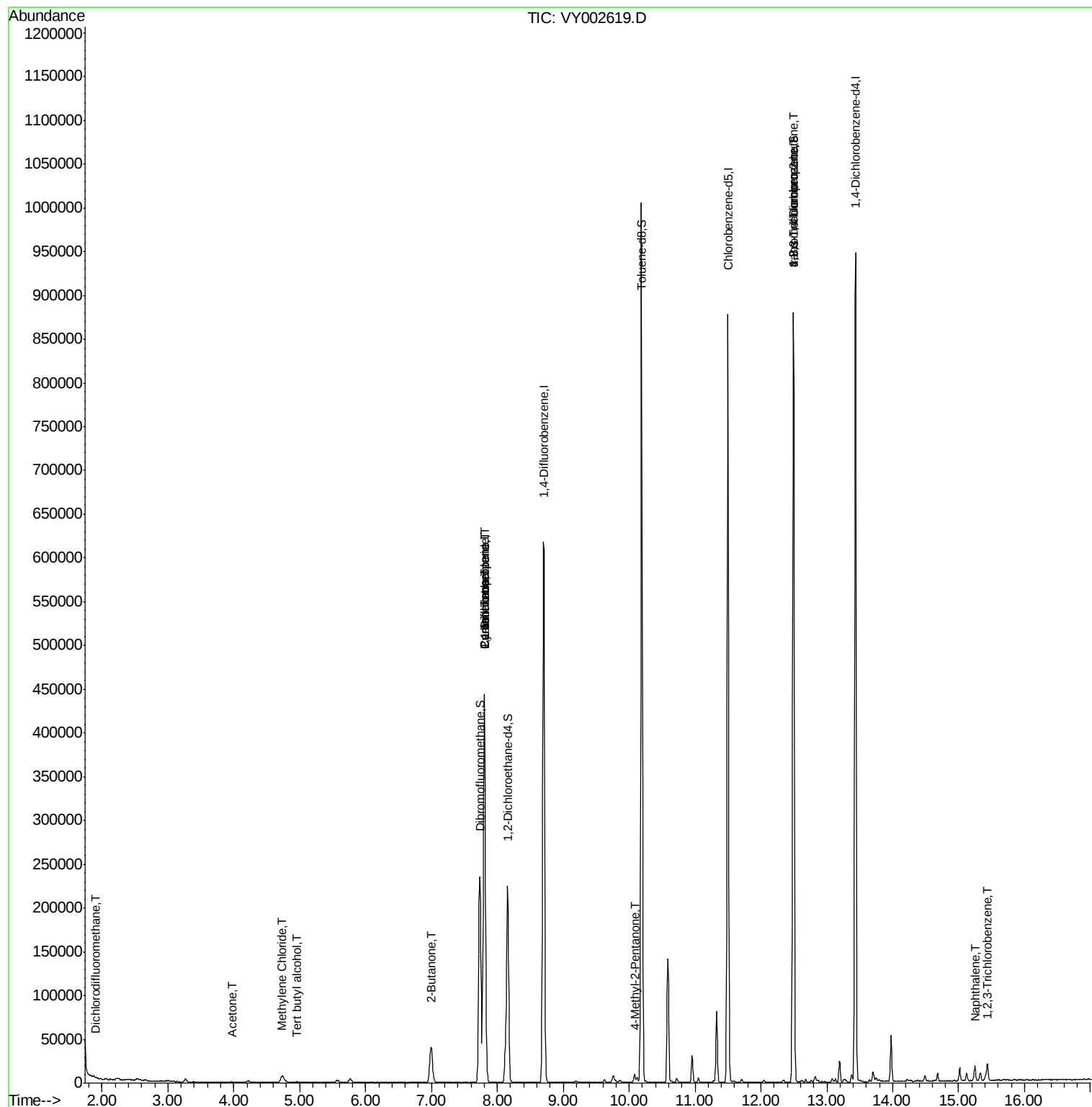
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	307	1.879	ug/l #	58
11) Tert butyl alcohol	4.96	59	1404	4.293	ug/l #	74
16) Acetone	3.97	43	1674	2.552	ug/l #	76
20) Methylene Chloride	4.74	84	6177	1.684	ug/l	90
25) 2-Butanone	6.99	43	2237	2.083	ug/l #	63
31) Cyclohexane	7.80	56	5951	1.042	ug/l #	4
36) 1,1-Dichloropropene	7.80	75	23955	5.036	ug/l #	50
38) Carbon Tetrachloride	7.80	117	34124	6.571	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	6535	2.767	ug/l	100
76) 1,2,3-Trichloropropane	12.49	75	109752	47.554	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	109752	95.355	ug/l #	16
95) Naphthalene	15.25	128	14109	1.500	ug/l	98
96) 1,2,3-Trichlorobenzene	15.44	180	6485	1.482	ug/l	99

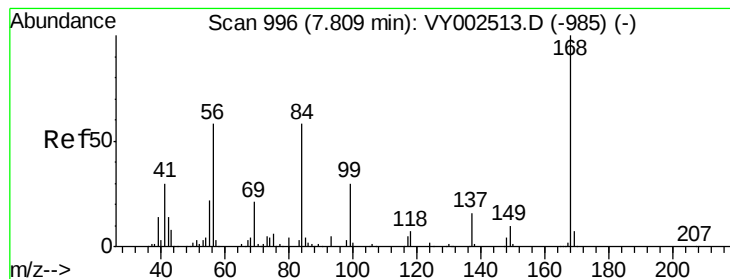
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002619.D

Acq: 07 May 2020 10:29

Instrument :

MSVOA_Y

ClientSampleId :

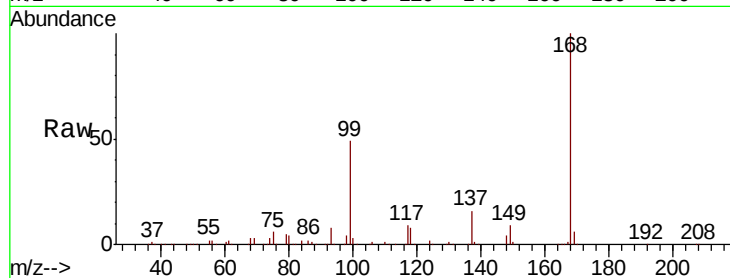
VY0507SBL01

Tot Ion:168 Resp: 378032

Ion Ratio Lower Upper

168 100

99 48.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002619.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002619.D (-947) (-)

7.80

150000

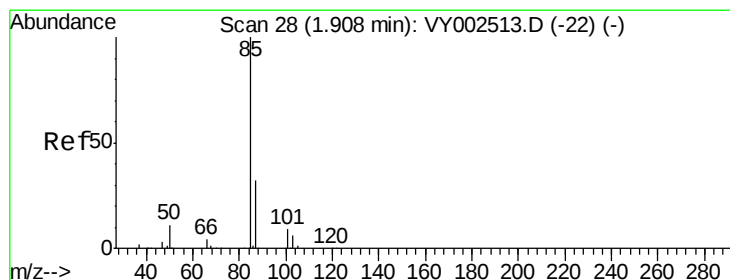
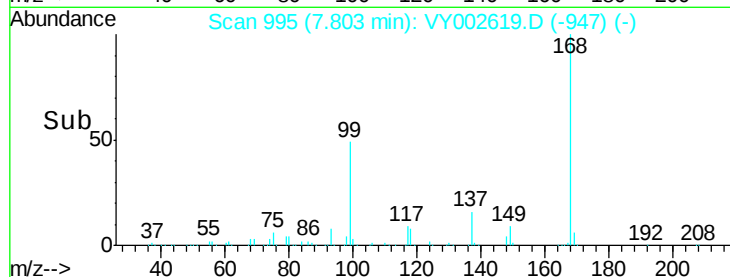
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 1.879 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002619.D

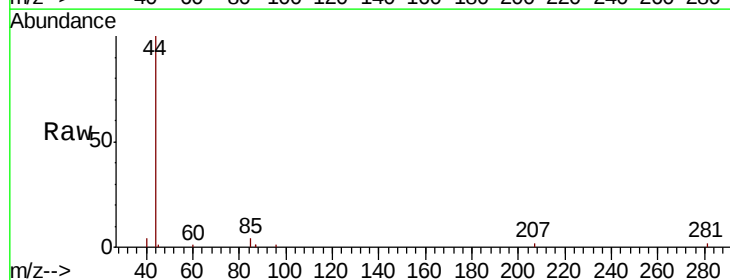
Acq: 07 May 2020 10:29

Tgt Ion: 85 Resp: 307

Ion Ratio Lower Upper

85 100

87 54.8 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002619.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002619.D (-1) (-)

1.91

200

150

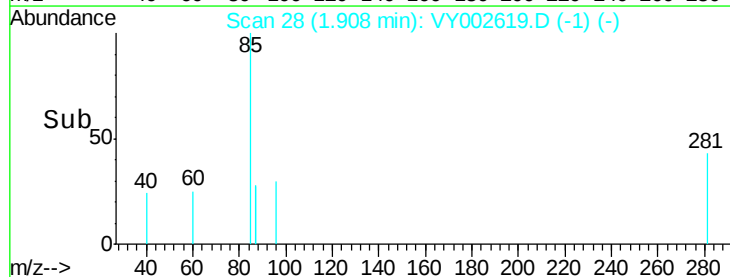
100

50

0

1.90 1.95

Time-->



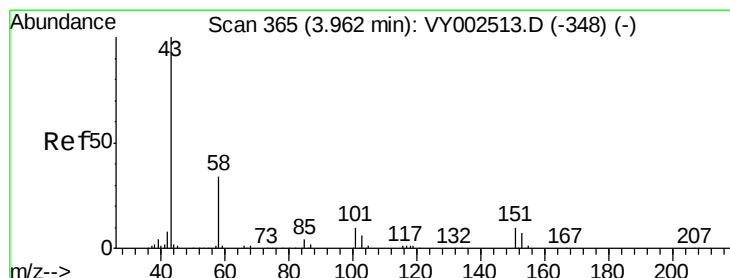
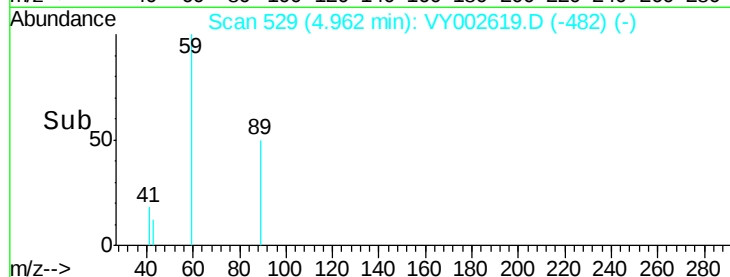
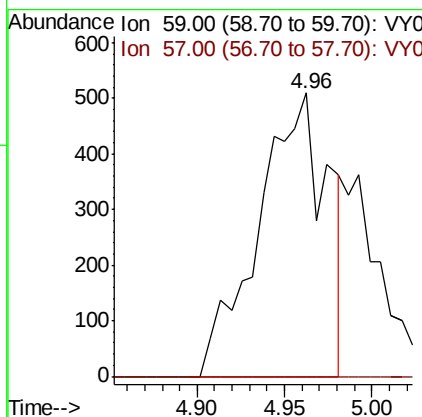
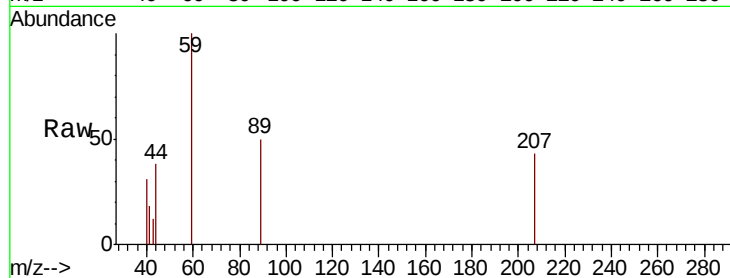


#11

Tert butyl alcohol
 Concen: 4.293 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY002619.D
 Acq: 07 May 2020 10:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBL01

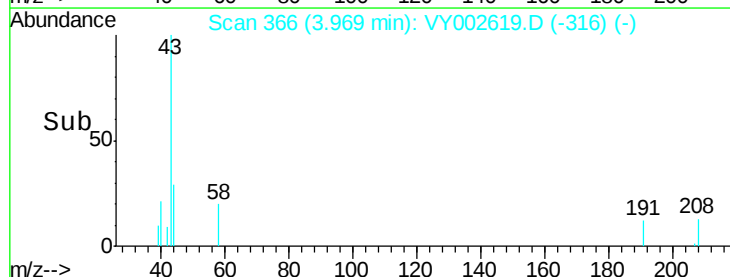
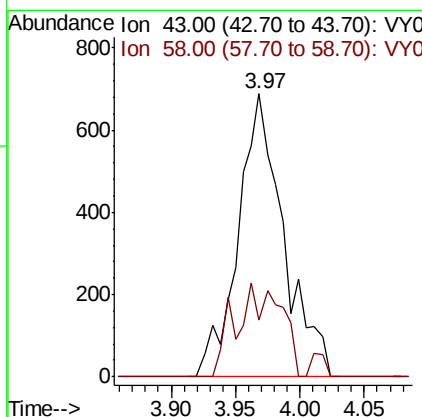
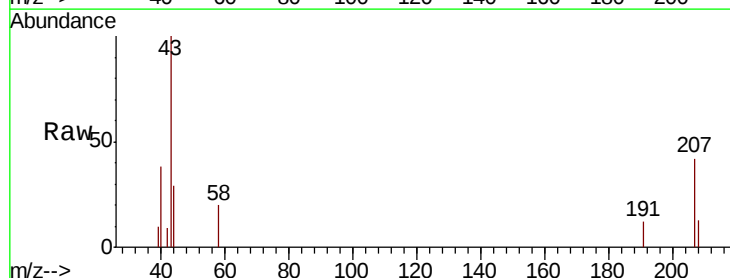
Tot Ion: 59 Resp: 1404
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

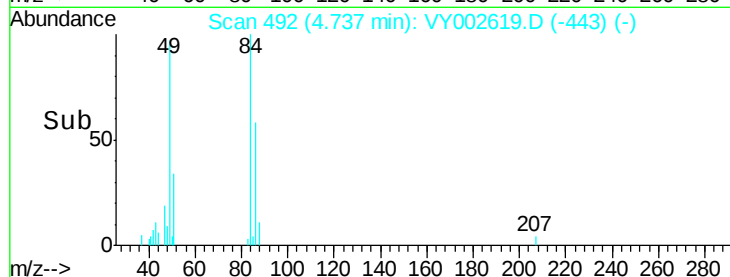
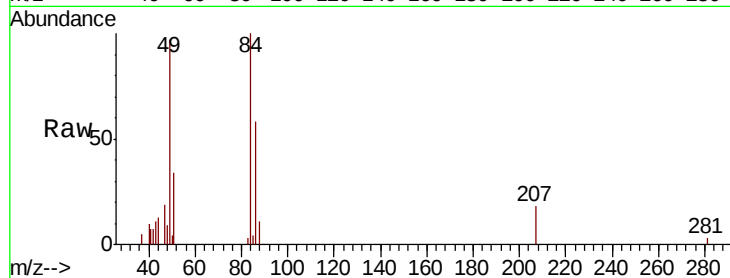
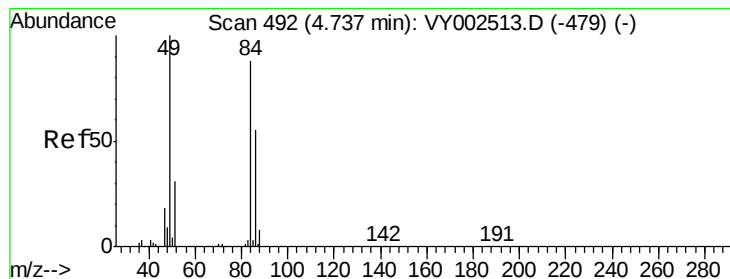


#16

Acetone
 Concen: 2.552 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VY002619.D
 Acq: 07 May 2020 10:29

Tgt Ion: 43 Resp: 1674
 Ion Ratio Lower Upper
 43 100
 58 19.9 26.9 40.3#





#20

Methylene Chloride

Concen: 1.684 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.00 min

Lab File: VY002619.D

Acq: 07 May 2020 10:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBL01

Tot Ion: 84 Resp: 6177

Ion Ratio Lower Upper

84 100

49 97.5 90.5 135.7

51 34.3 28.3 42.5

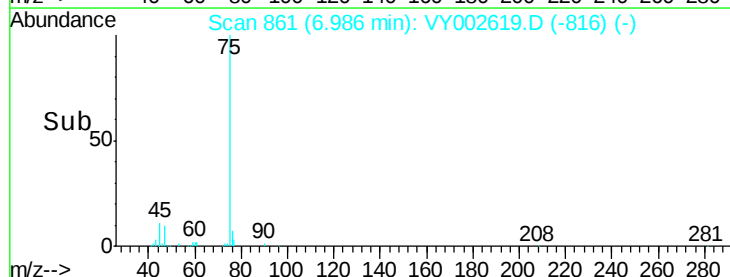
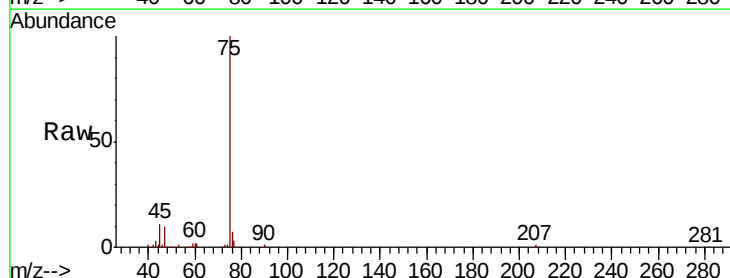
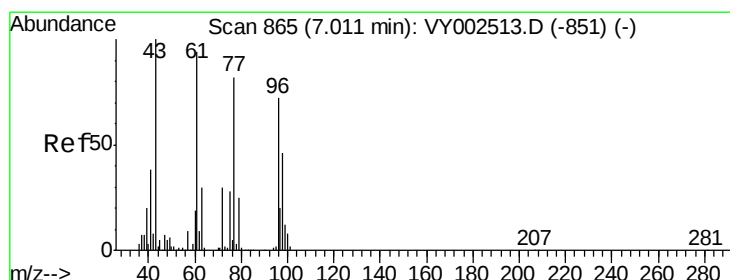
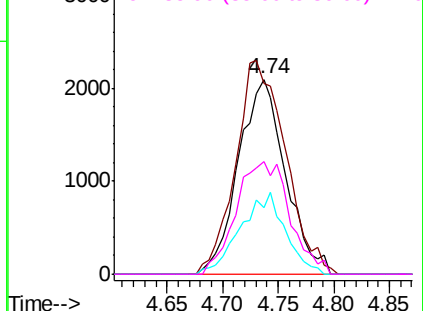
86 57.8 49.9 74.9

Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#25

2-Butanone

Concen: 2.083 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.02 min

Lab File: VY002619.D

Acq: 07 May 2020 10:29

Tgt Ion: 43 Resp: 2237

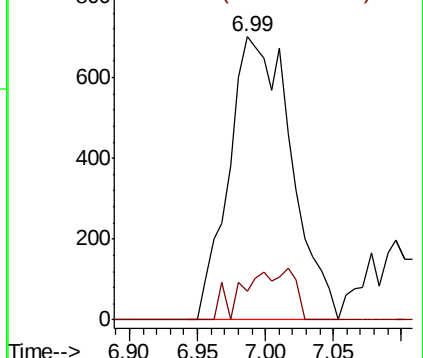
Ion Ratio Lower Upper

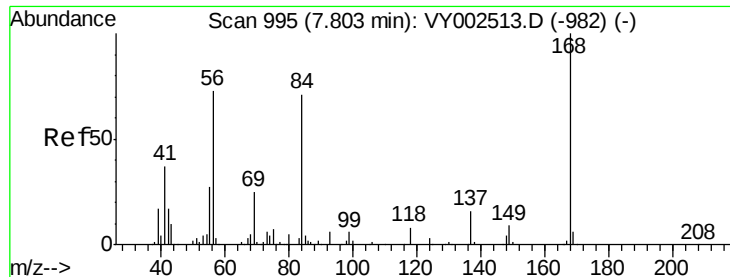
43 100

72 10.0 24.1 36.1#

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

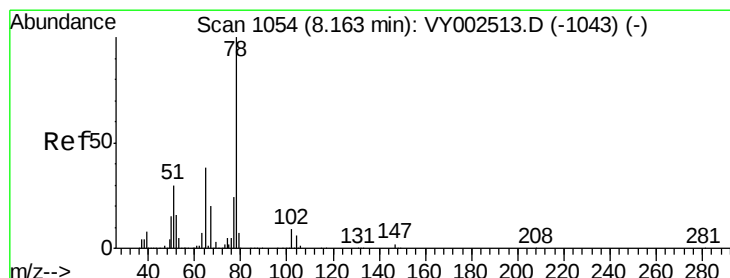
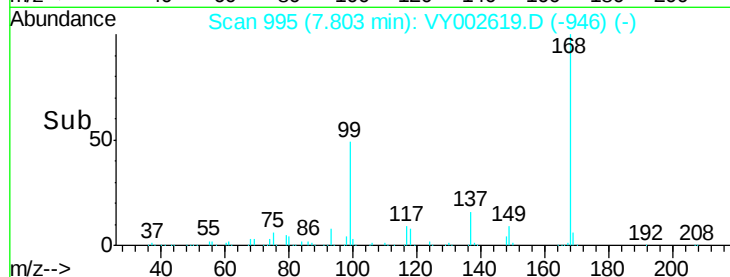
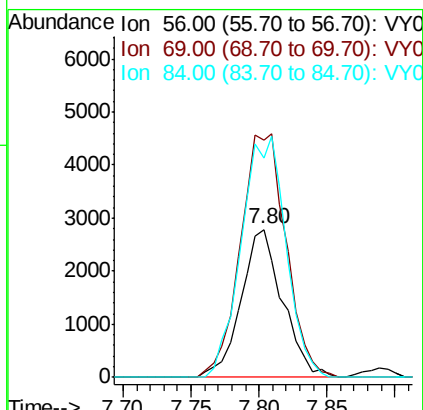
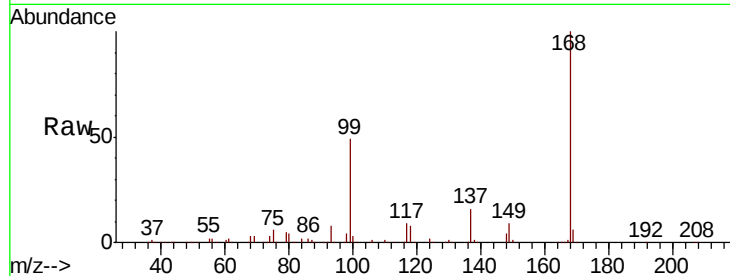




#31
Cyclohexane
Concen: 1.042 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.00 min
Lab File: VY002619.D
Acq: 07 May 2020 10:29

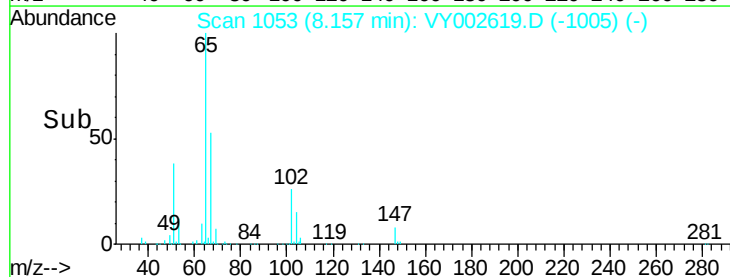
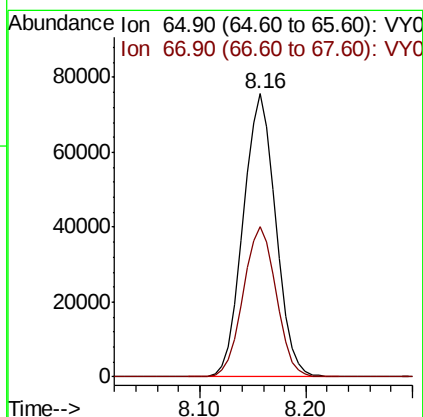
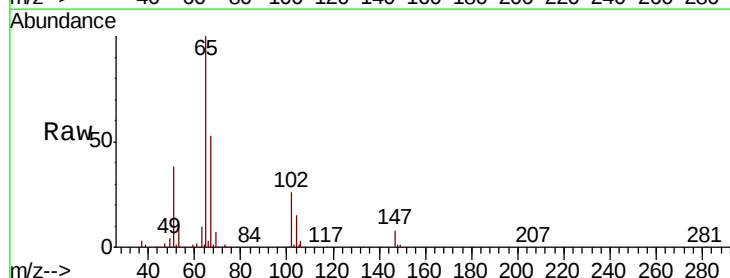
Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBL01

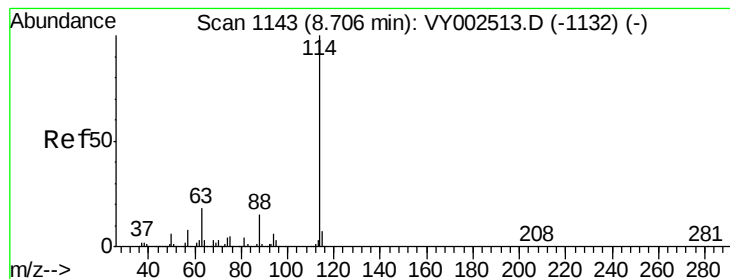
Tot Ion: 56 Resp: 5951
Ion Ratio Lower Upper
56 100
69 160.6 27.6 41.4#
84 148.5 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 51.079 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VY002619.D
Acq: 07 May 2020 10:29

Tgt Ion: 65 Resp: 162359
Ion Ratio Lower Upper
65 100
67 54.1 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VY002619.D

Acq: 07 May 2020 10:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBL01

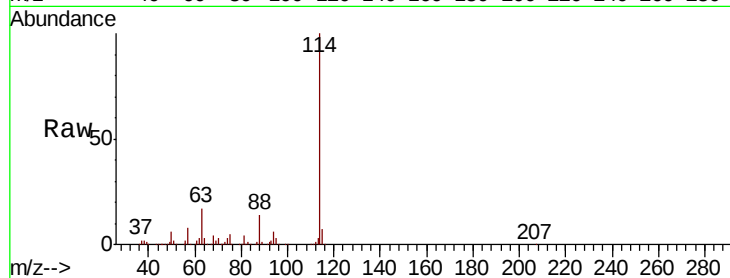
Tot Ion:114 Resp: 567425

Ion Ratio Lower Upper

114 100

63 17.0 0.0 36.4

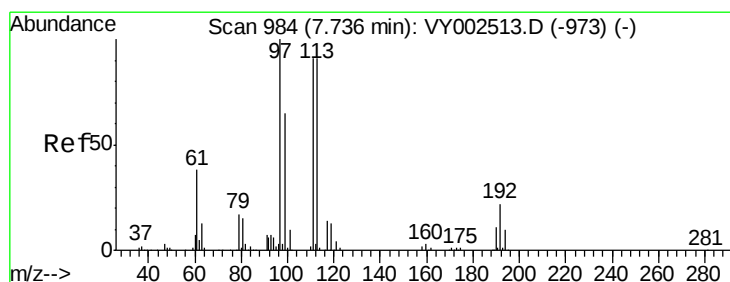
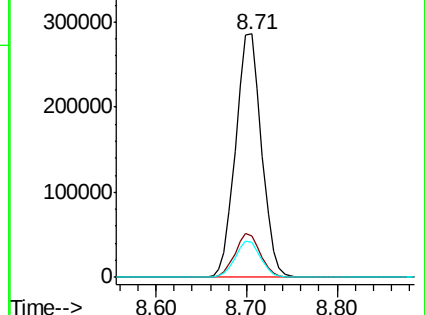
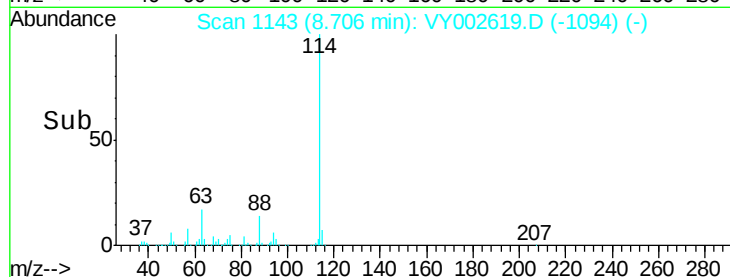
88 14.2 0.0 29.6



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: 53.188 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002619.D

Acq: 07 May 2020 10:29

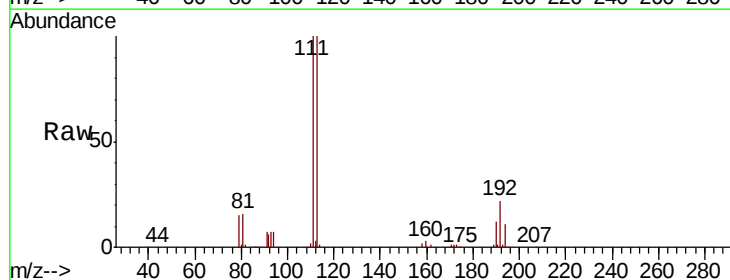
Tgt Ion:113 Resp: 172603

Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.6

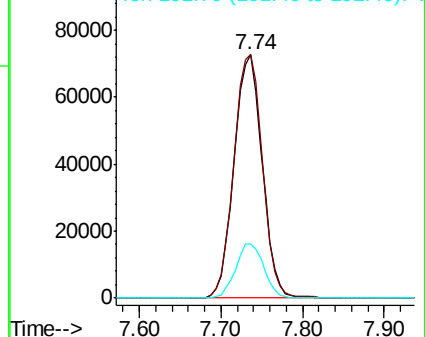
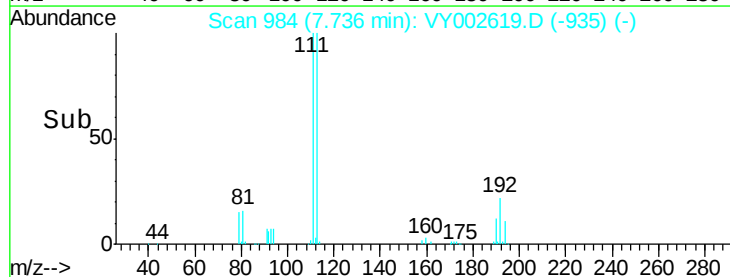
192 22.5 18.2 27.4

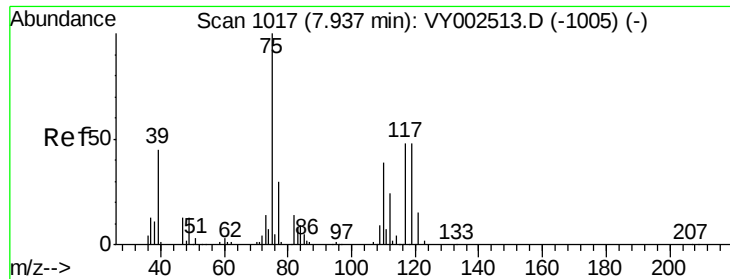


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

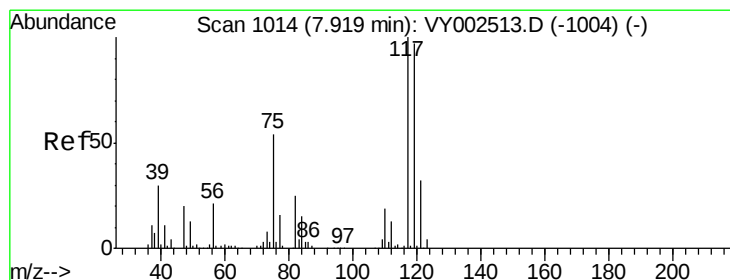
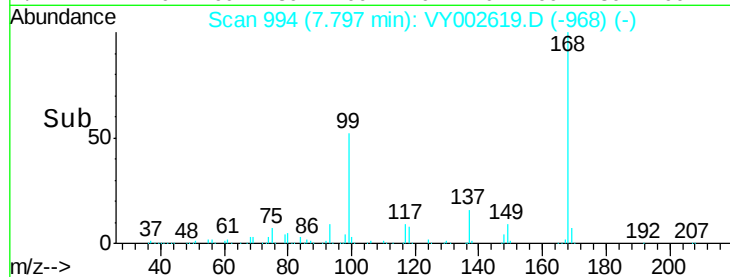
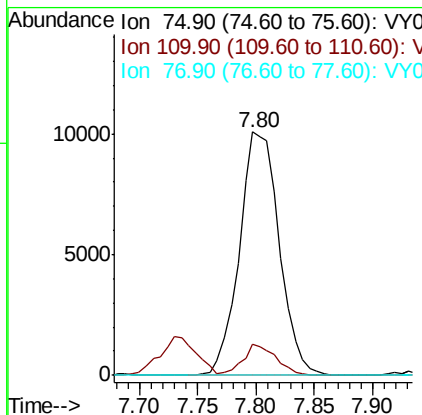
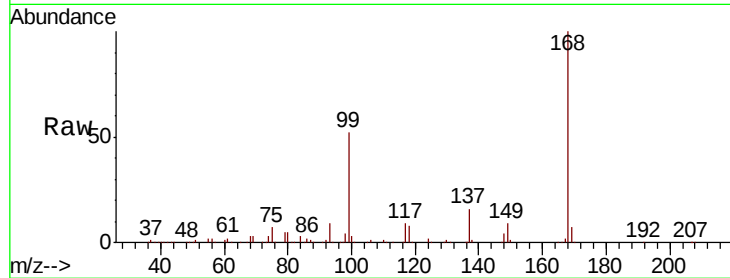




#36
 1,1-Dichloropropene
 Concen: 5.036 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002619.D
 Acq: 07 May 2020 10:29

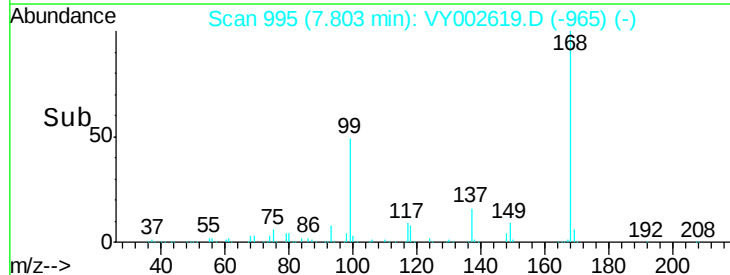
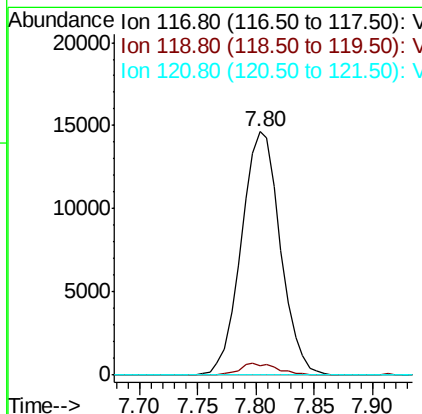
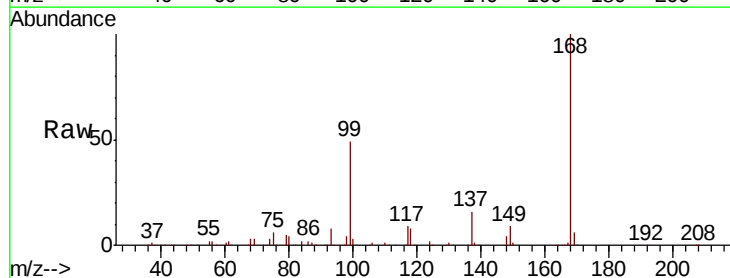
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBL01

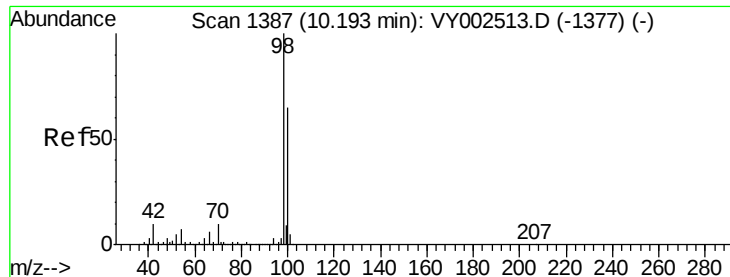
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.6	19.1	57.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.571 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY002619.D
 Acq: 07 May 2020 10:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	77.1	115.7#
121	0.0	25.2	37.8#





#50

Toluene-d8

Concen: 52.765 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002619.D

Acq: 07 May 2020 10:29

Instrument :

MSVOA_Y

ClientSampleId :

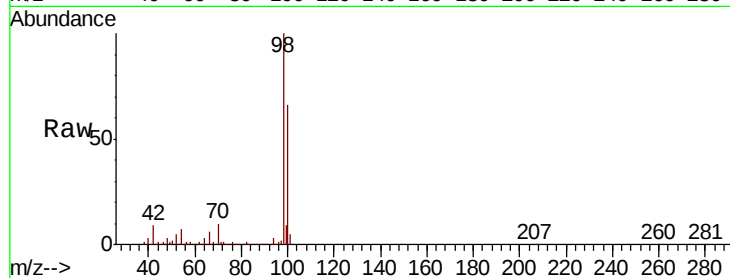
VY0507SBL01

Tot Ion: 98 Resp: 668670

Ion Ratio Lower Upper

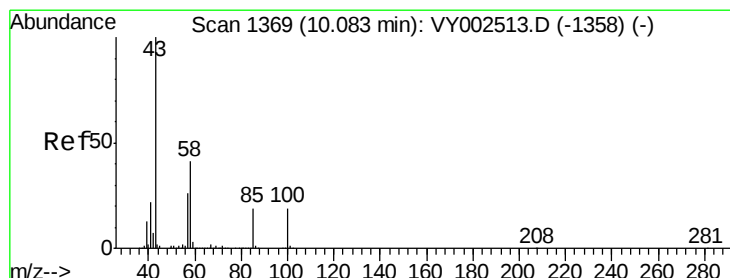
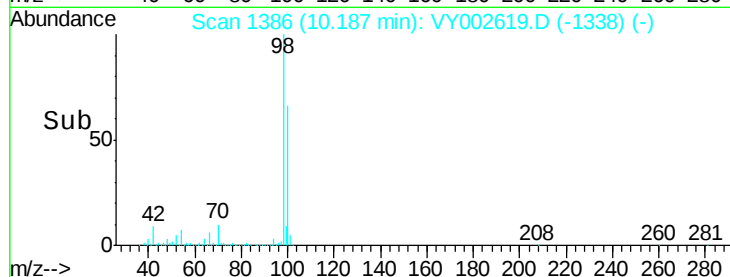
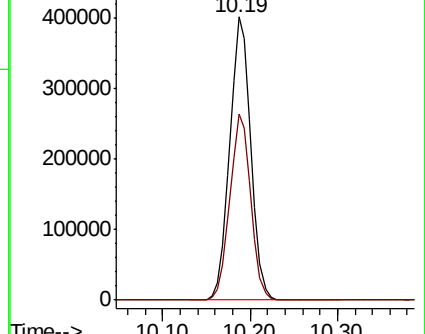
98 100

100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#51

4-Methyl-2-Pentanone

Concen: 2.767 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY002619.D

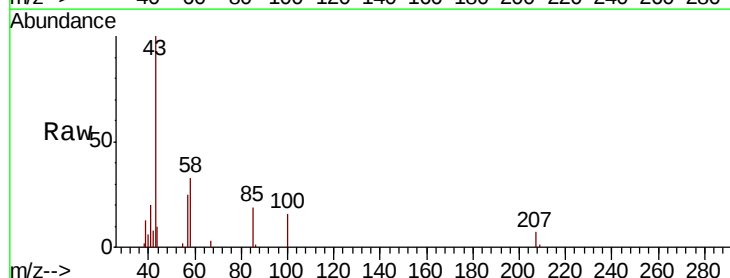
Acq: 07 May 2020 10:29

Tgt Ion: 43 Resp: 6535

Ion Ratio Lower Upper

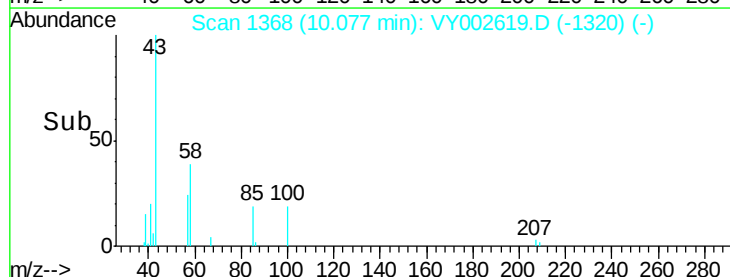
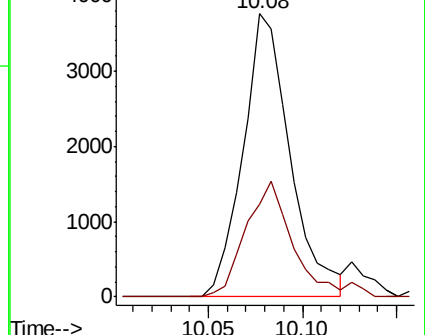
43 100

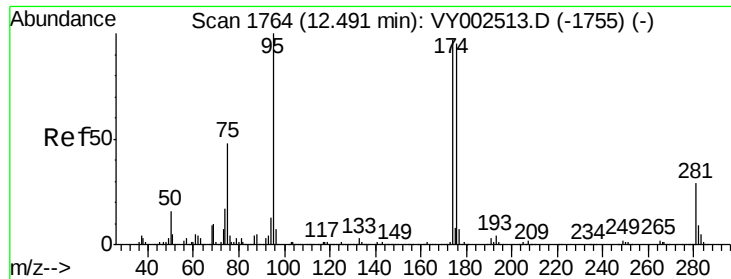
58 41.6 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

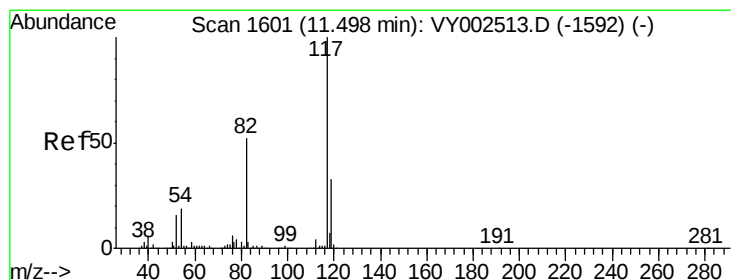
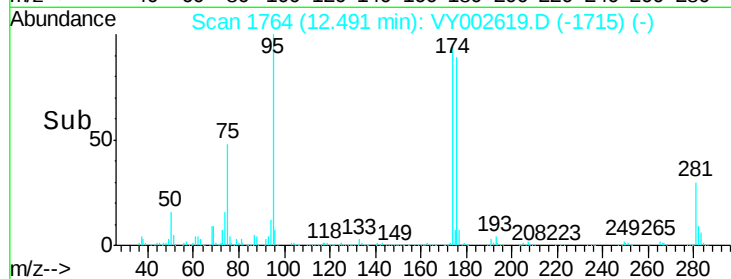
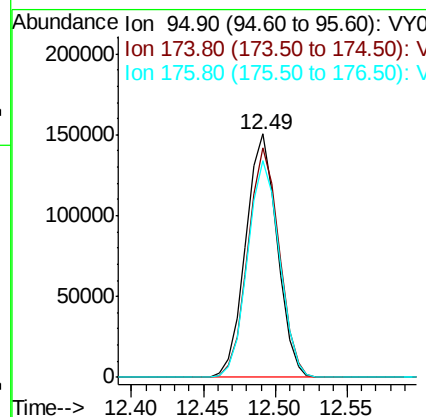
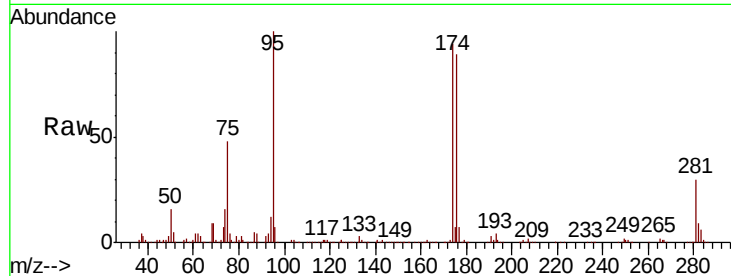




#62
4-Bromofluorobenzene
Concen: 52.916 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VY002619.D
Acq: 07 May 2020 10:29

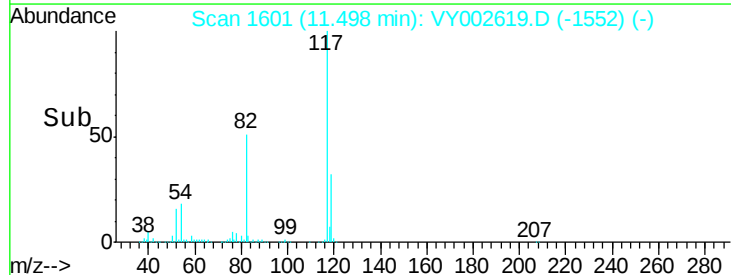
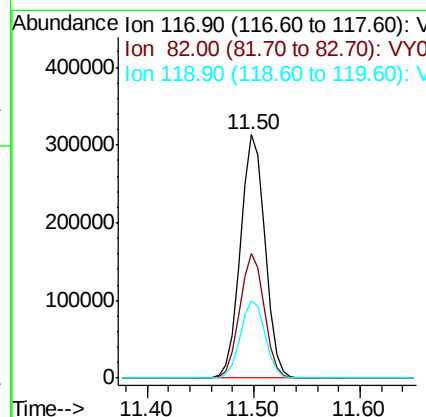
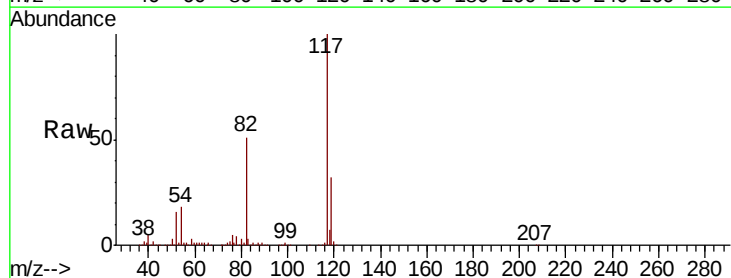
Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBL01

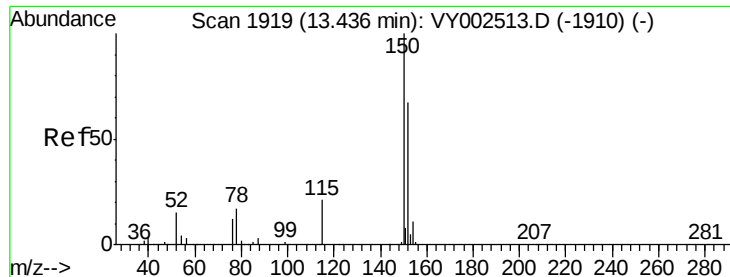
Tot Ion	Ratio	Lower	Upper
95	100		
174	93.9	0.0	188.8
176	89.9	0.0	183.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002619.D
Acq: 07 May 2020 10:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.3	61.9
119	31.8	26.0	39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002619.D

Acq: 07 May 2020 10:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBL01

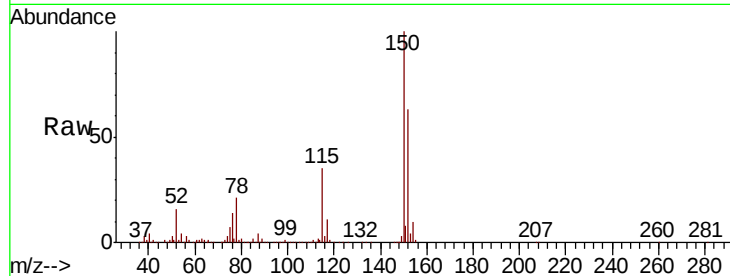
Tot Ion:152 Resp: 259708

Ion Ratio Lower Upper

152 100

115 55.3 27.5 82.4

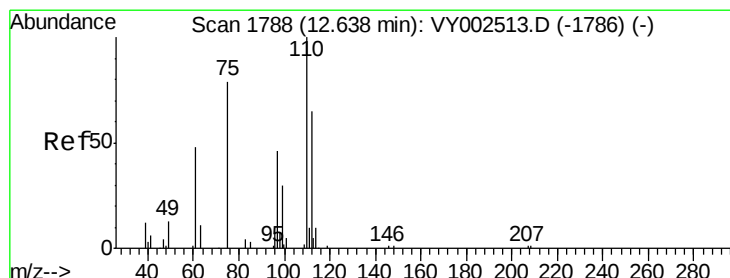
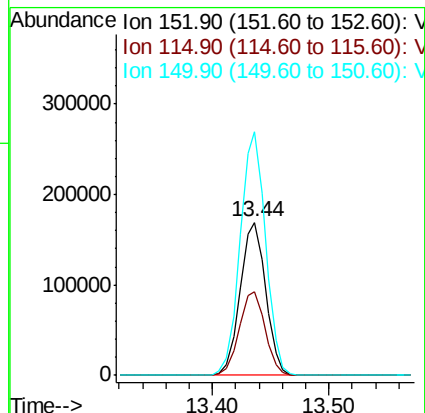
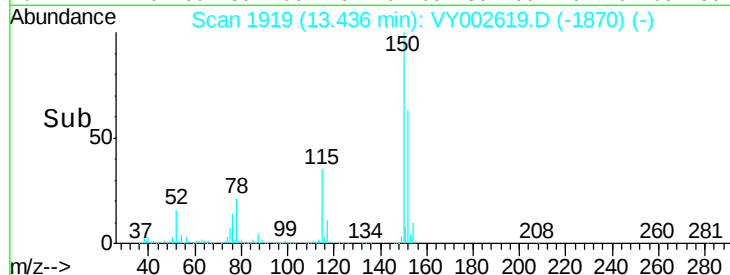
150 157.9 0.0 346.4



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: 47.554 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002619.D

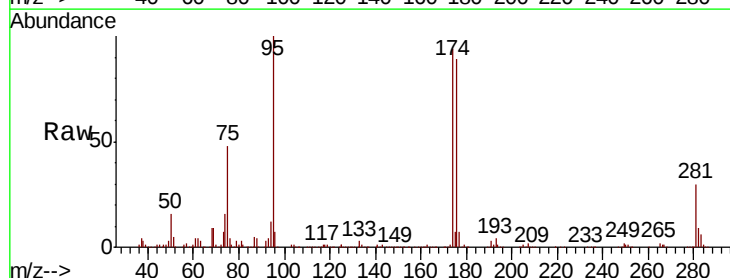
Acq: 07 May 2020 10:29

Tgt Ion: 75 Resp: 109752

Ion Ratio Lower Upper

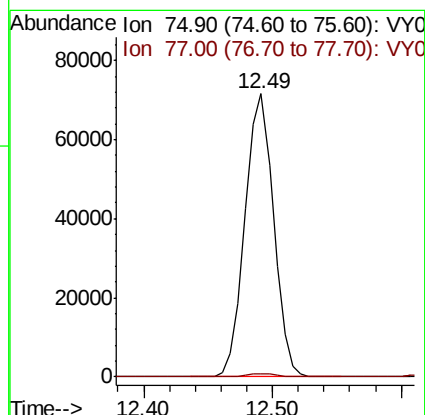
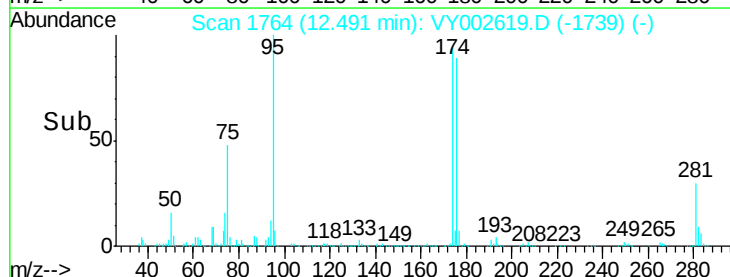
75 100

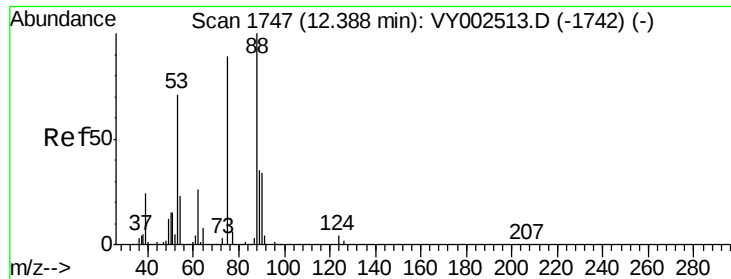
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 95.355 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002619.D

Acq: 07 May 2020 10:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBL01

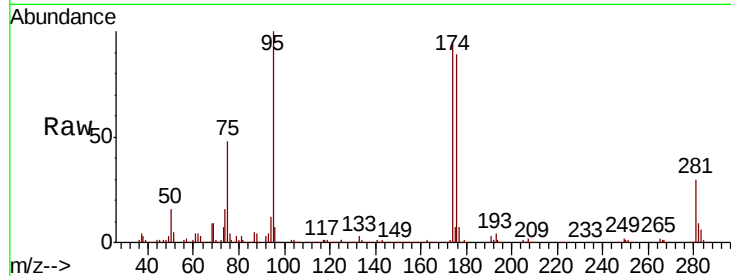
Tot Ion: 75 Resp: 109752

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

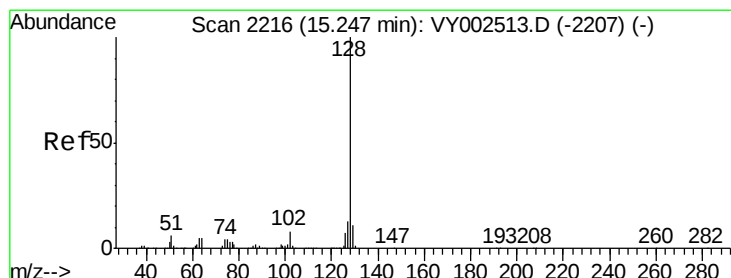
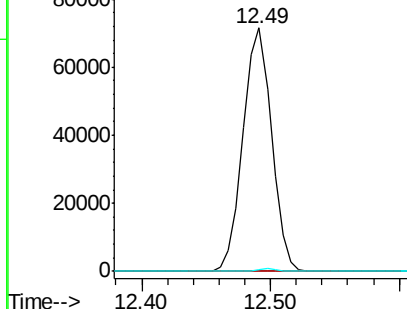
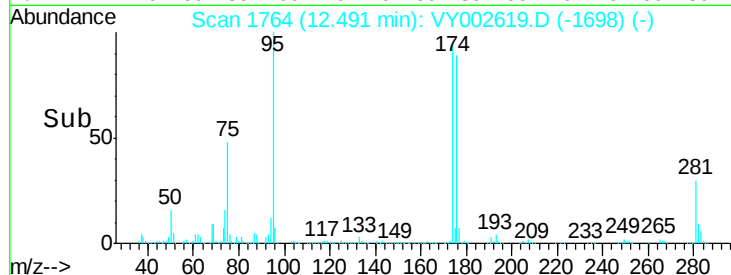
89 0.6 37.4 56.0#



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



#95

Naphthalene

Concen: 1.500 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY002619.D

Acq: 07 May 2020 10:29

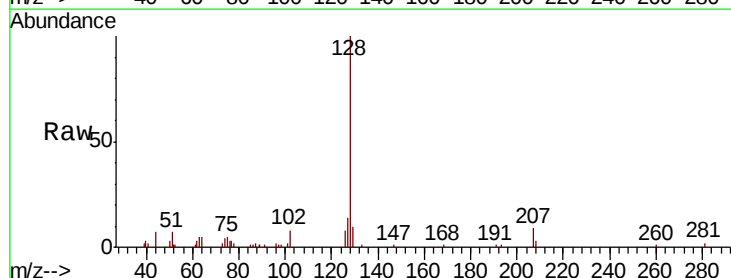
Tgt Ion:128 Resp: 14109

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

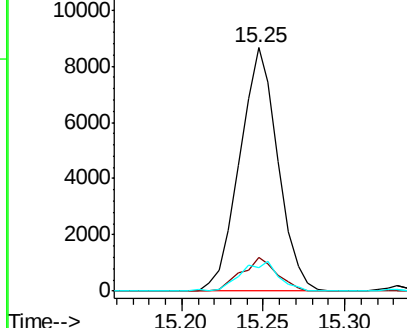
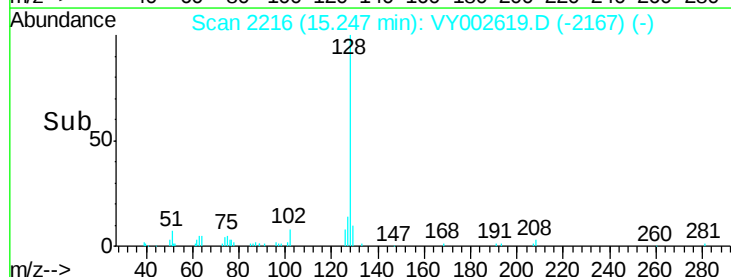
129 12.2 8.8 13.2

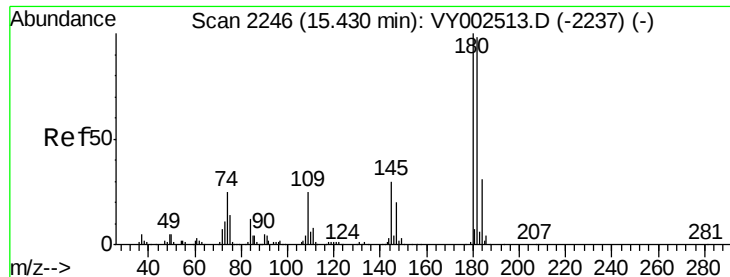


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.482 ug/l
 RT: 15.44 min Scan# 2247
 Delta R.T. 0.01 min
 Lab File: VY002619.D
 Acq: 07 May 2020 10:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.8
145	32.4	15.0	45.1

