

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002579.D
 Acq On : 05 May 2020 12:06
 Operator : SY/MD
 Sample : L2447-22
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 03:18:00 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	407301	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	612289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	546014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	276515	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	169368	49.46	ug/l	-0.01
Spiked Amount			Recovery	=	98.92%	
35) Dibromofluoromethane	7.73	113	176853	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
50) Toluene-d8	10.18	98	691958	50.60	ug/l	-0.01
Spiked Amount			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.48	95	231747	49.94	ug/l	-0.01
Spiked Amount			Recovery	=	99.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	199	1.842	ug/l #	43
11) Tert butyl alcohol	4.95	59	1792	5.086	ug/l #	74
14) Allyl chloride	4.72	41	6703	1.312	ug/l #	26
16) Acetone	3.96	43	536790	759.492	ug/l	98
20) Methylene Chloride	4.73	84	180576	45.688	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	517819	135.121	ug/l	99
25) 2-Butanone	7.00	43	251579	217.451	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	528826	124.713	ug/l	90
28) Bromochloromethane	7.52	49	57568	22.977	ug/l #	6
30) Chloroform	7.52	83	827730	130.179	ug/l	99
31) Cyclohexane	7.80	56	6652	1.081	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	26314	5.127	ug/l #	49
37) Ethyl Acetate	7.00	43	251579	95.379	ug/l #	1
38) Carbon Tetrachloride	7.80	117	36453	6.505	ug/l #	15
40) Benzene	8.17	78	896164	60.450	ug/l	99
42) 1,2-Dichloroethane	8.24	62	390494	93.906	ug/l	98
44) Trichloroethene	8.94	130	619341	133.681	ug/l	96
45) 1,2-Dichloropropane	9.22	63	158693	44.354	ug/l	99
46) Dibromomethane	9.31	93	238517	115.865	ug/l	100
47) Bromodichloromethane	9.50	83	635227	126.906	ug/l	100
48) Methyl methacrylate	9.22	41	76995	34.405	ug/l #	28
49) 1,4-Dioxane	9.31	88	1306	47.915	ug/l #	27
54) cis-1,3-Dichloropropene	9.93	75	721008	118.920	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	183529	61.136	ug/l	99
59) 2-Hexanone	10.83	43	569328	324.544	ug/l	100
60) Dibromochloromethane	10.99	129	467317	122.394	ug/l	99
61) 1,2-Dibromoethane	11.09	107	314700	105.871	ug/l	100
64) Tetrachloroethene	10.72	164	145339	29.959	ug/l	97
65) Chlorobenzene	11.52	112	1368767	131.869	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	295735	76.755	ug/l	99
67) Ethyl Benzene	11.60	91	2865452	157.160	ug/l	100
68) m/p-Xylenes	11.70	106	1295722	183.669	ug/l	100
69) o-Xylene	12.03	106	1260856	190.883	ug/l	99
70) Styrene	12.05	104	1296361	114.803	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

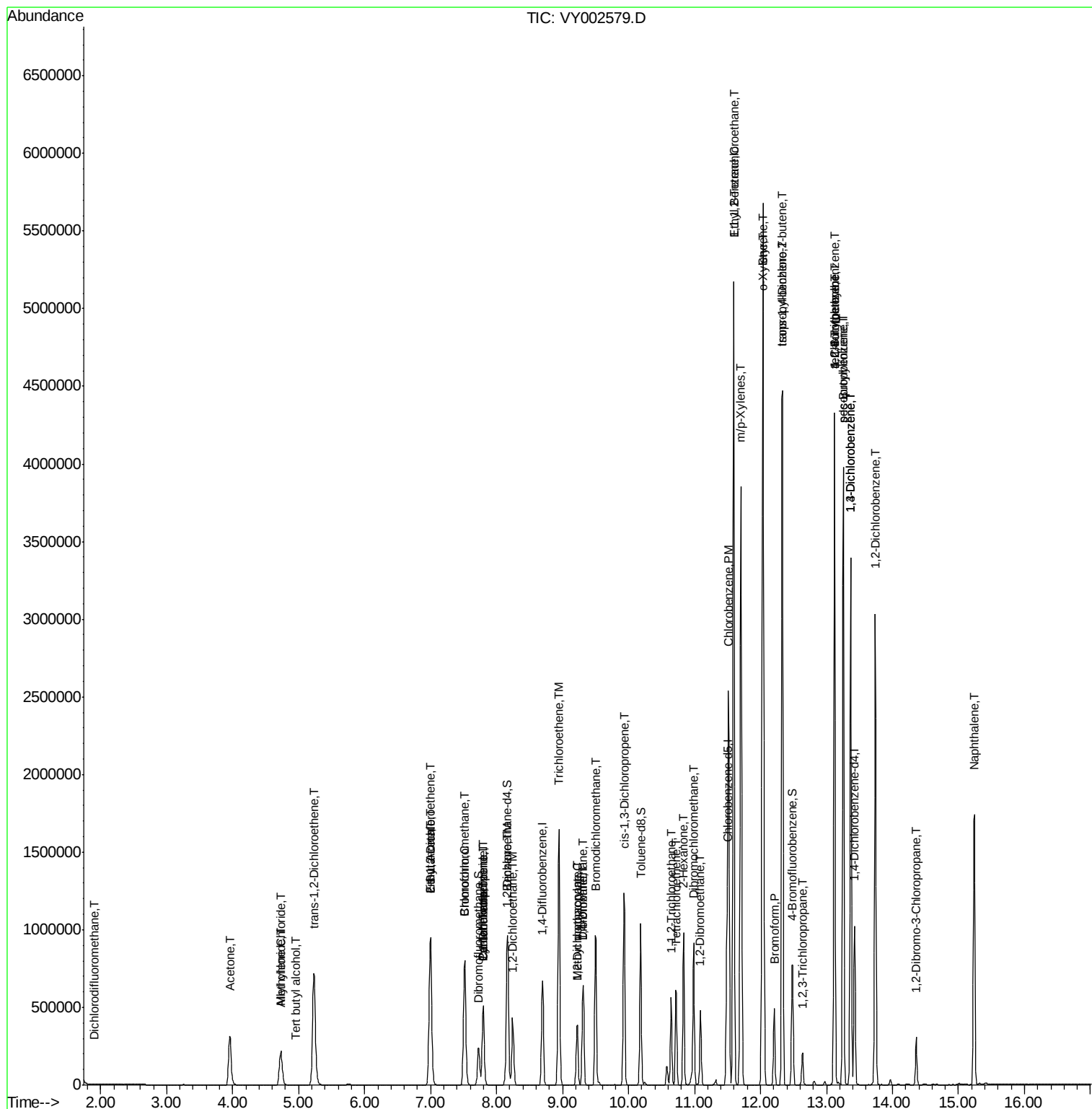
71) Bromoform	12.21	173	227035	94.937	uq/l #	99
73) Isopropylbenzene	12.33	105	2983208	166.466	uq/l	100
76) 1,2,3-Trichloropropane	12.64	75	84288	34.301	uq/l #	100
81) trans-1,4-Dichloro-2-buten	12.33	75	30552	24.931	uq/l #	49
82) 4-Chlorotoluene	13.12	91	232314	19.198	uq/l #	38
83) tert-Butylbenzene	13.12	119	295224	22.666	uq/l #	67
84) 1,2,4-Trimethylbenzene	13.12	105	2331209	157.464	uq/l	99
85) sec-Butylbenzene	13.25	105	2656724	146.991	uq/l	100
86) p-Isopropyltoluene	13.25	119	40104	2.368	uq/l #	1
87) 1,3-Dichlorobenzene	13.37	146	1475272	174.092	uq/l	100
88) 1,4-Dichlorobenzene	13.37	146	1475272	175.815	uq/l	99
91) 1,2-Dichlorobenzene	13.74	146	1315258	173.942	uq/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	68910	129.707	uq/l	96
95) Naphthalene	15.24	128	1514721	151.251	uq/l	99

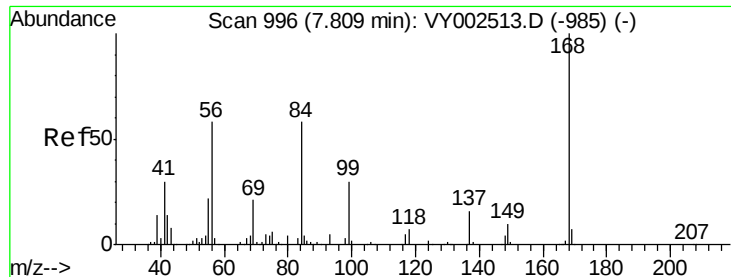
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

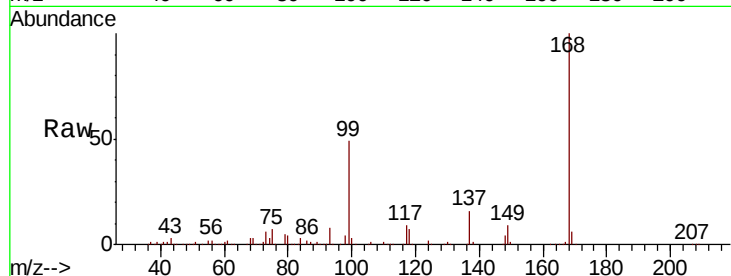
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 407301

Ion Ratio Lower Upper

168 100

99 49.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

150000

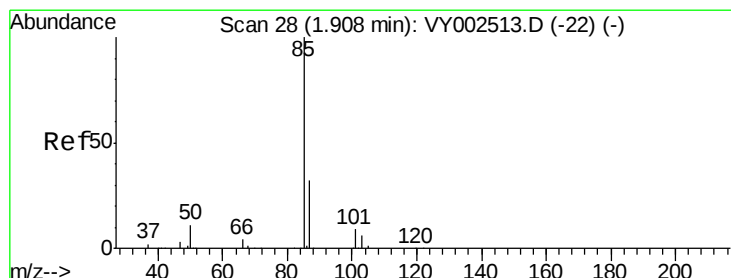
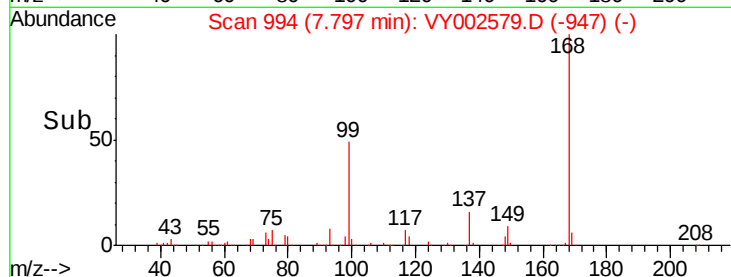
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 1.842 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002579.D

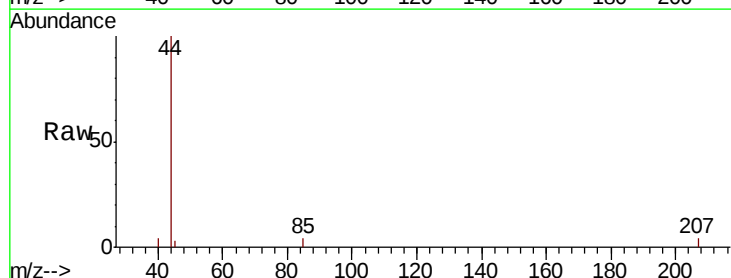
Acq: 05 May 2020 12:06

Tgt Ion: 85 Resp: 199

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

200

150

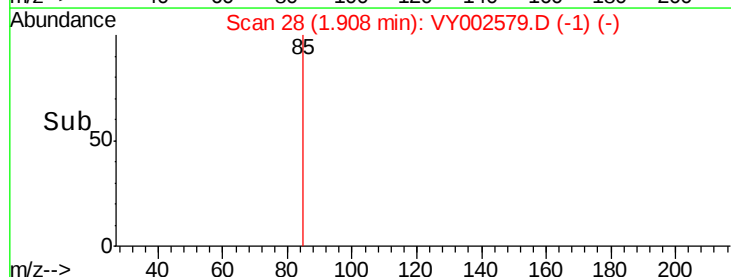
100

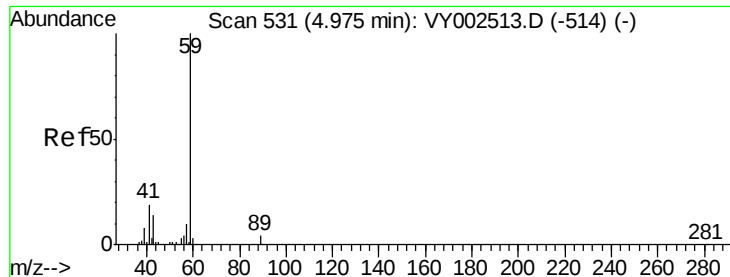
50

0

1.88 1.90 1.92 1.94

Time-->



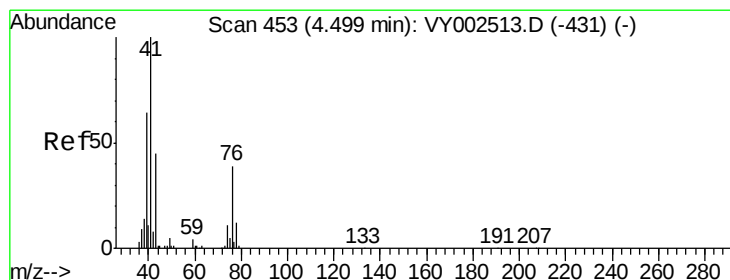
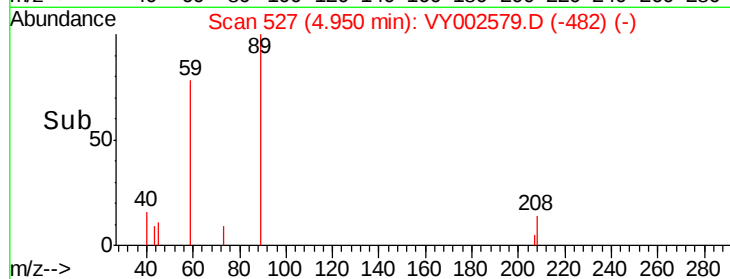
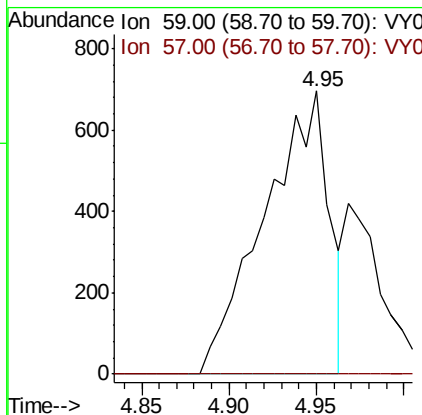
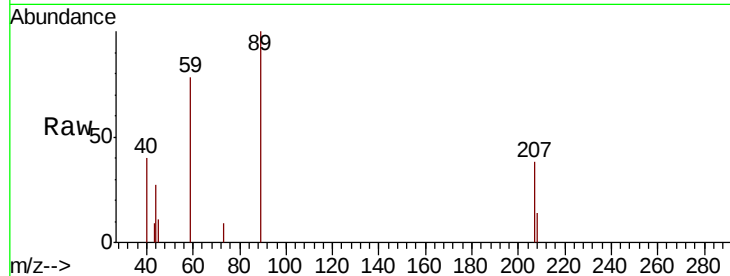


#11

Tert butyl alcohol
 Concen: 5.086 ug/l
 RT: 4.95 min Scan# 527
 Delta R.T. -0.02 min
 Lab File: VY002579.D
 Acq: 05 May 2020 12:06

Instrument :
 MSVOA_Y
 ClientSampleId :

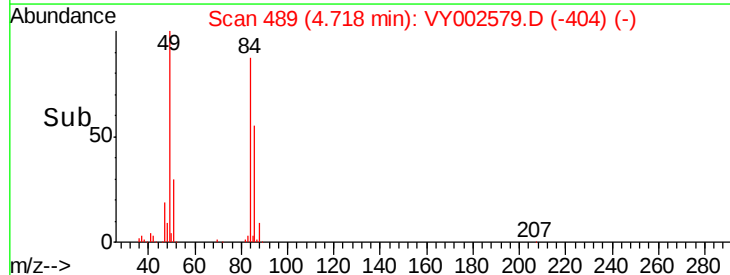
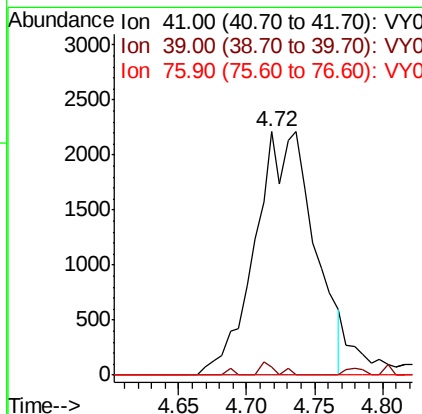
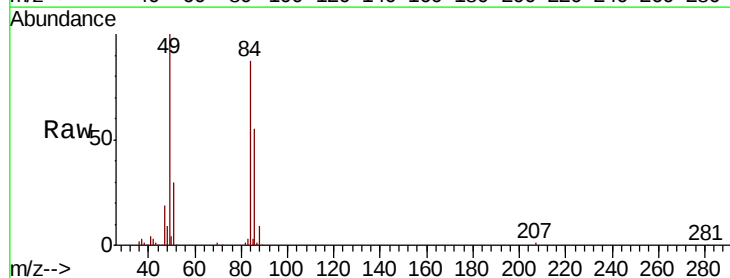
Tot Ion: 59 Resp: 1792
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

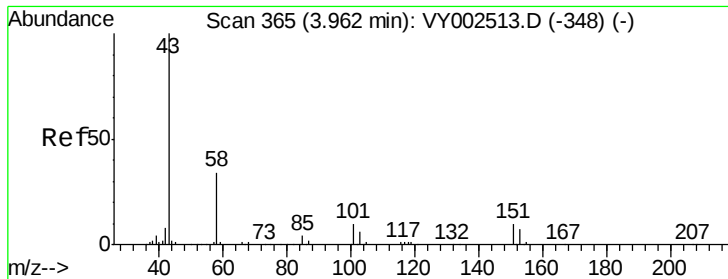


#14

Allyl chloride
 Concen: 1.312 ug/l
 RT: 4.72 min Scan# 489
 Delta R.T. 0.22 min
 Lab File: VY002579.D
 Acq: 05 May 2020 12:06

Tgt Ion: 41 Resp: 6703
 Ion Ratio Lower Upper
 41 100
 39 1.4 51.8 77.6#
 76 0.0 31.7 47.5#

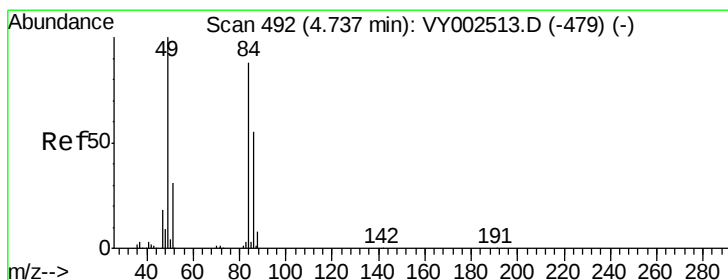
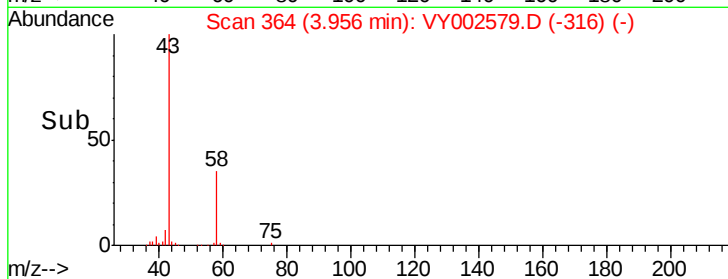
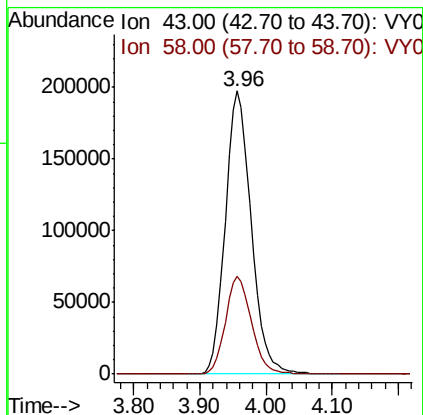
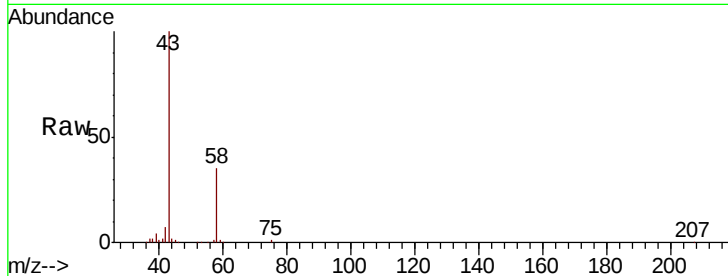




#16
Acetone
Concen: 759.492 ug/l
RT: 3.96 min Scan# 364
Delta R.T. -0.01 min
Lab File: VY002579.D
Acq: 05 May 2020 12:06

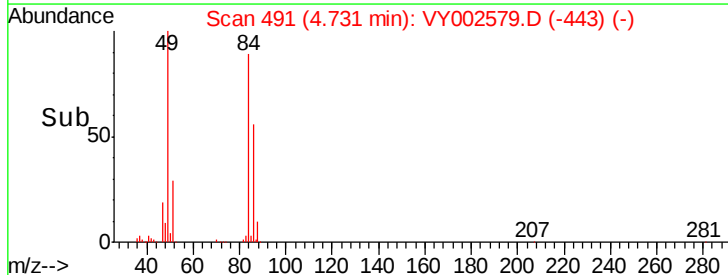
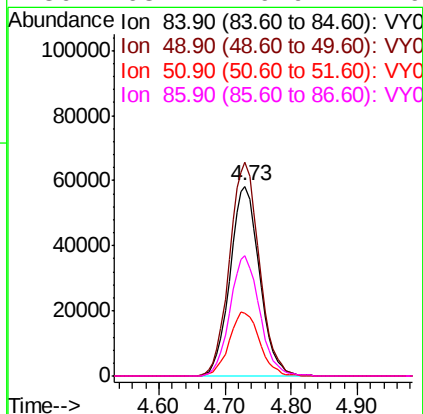
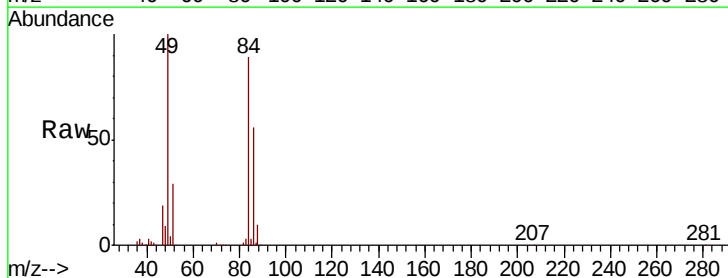
Instrument :
MSVOA_Y
ClientSampleId :

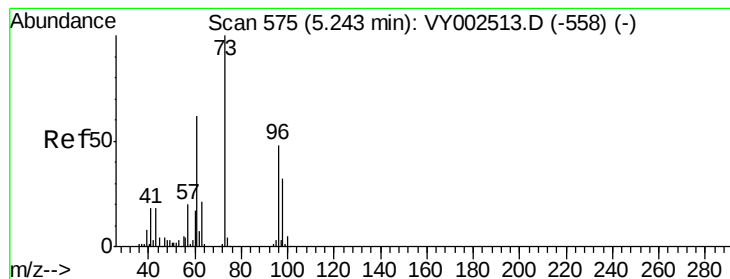
Tot Ion: 43 Resp: 536790
Ion Ratio Lower Upper
43 100
58 34.7 26.9 40.3



#20
Methylene Chloride
Concen: 45.688 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002579.D
Acq: 05 May 2020 12:06

Tgt Ion: 84 Resp: 180576
Ion Ratio Lower Upper
84 100
49 112.4 90.5 135.7
51 32.9 28.3 42.5
86 63.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 135.121 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.01 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

Instrument :

MSVOA_Y

ClientSampled :

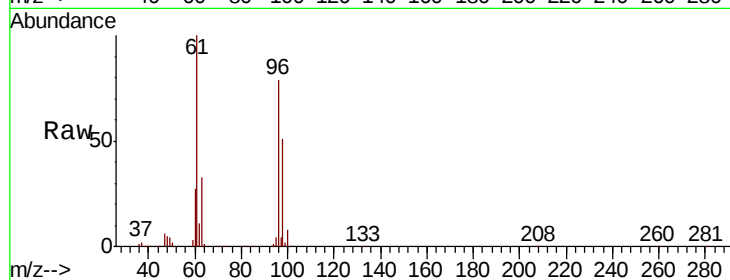
Tot Ion: 96 Resp: 517819

Ion Ratio Lower Upper

96 100

61 126.4 102.0 153.0

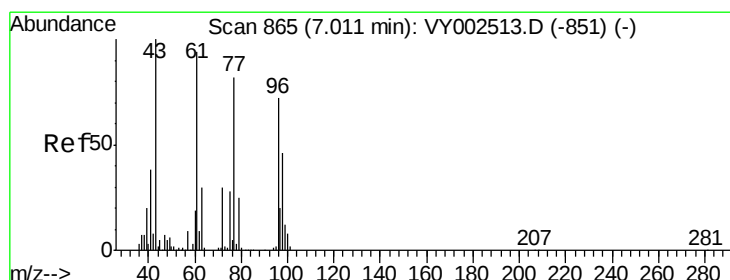
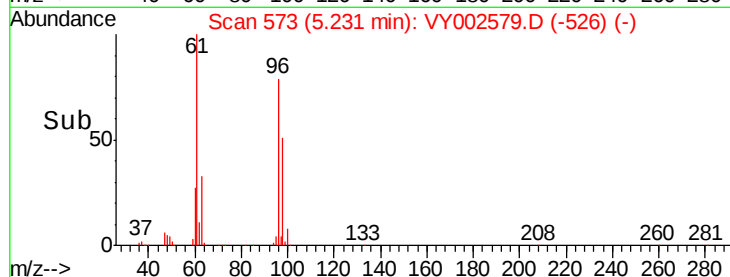
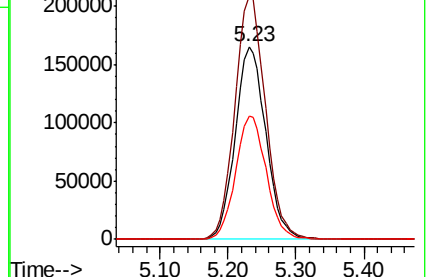
98 64.3 53.0 79.4



Abundance Ion 95.90 (95.60 to 96.60): VY002513.D (-558) (-)

Ion 60.90 (60.60 to 61.60): VY002513.D (-558) (-)

Ion 97.90 (97.60 to 98.60): VY002513.D (-558) (-)



#25

2-Butanone

Concen: 217.451 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002579.D

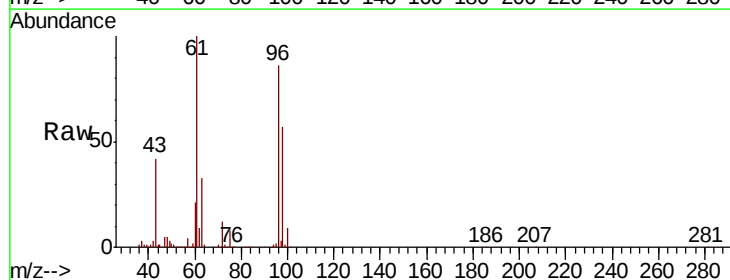
Acq: 05 May 2020 12:06

Tgt Ion: 43 Resp: 251579

Ion Ratio Lower Upper

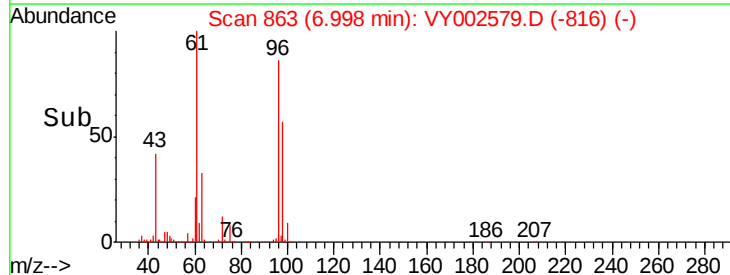
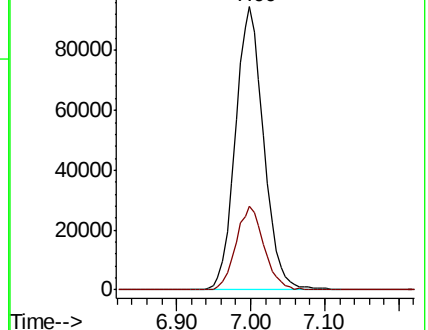
43 100

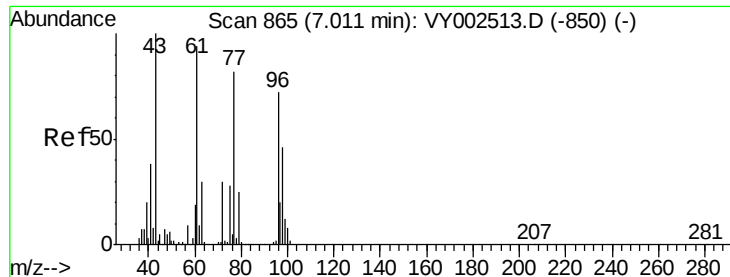
72 29.4 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-851) (-)

Ion 72.00 (71.70 to 72.70): VY002513.D (-851) (-)



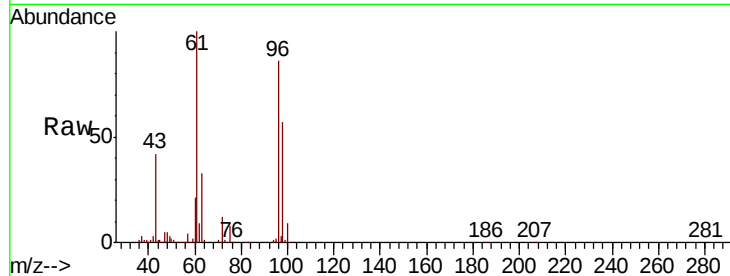


#27

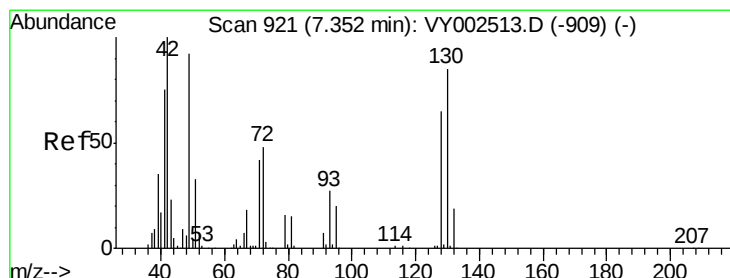
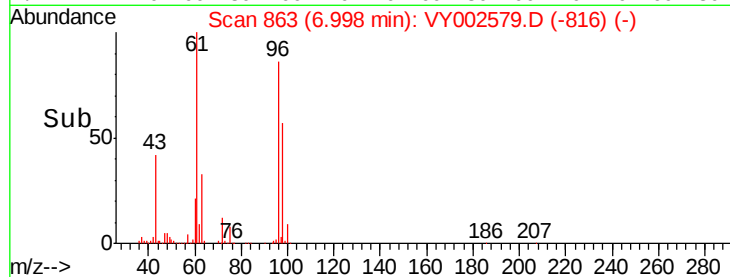
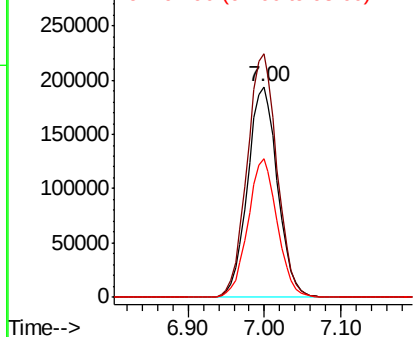
cis-1,2-Dichloroethene
Concen: 124.713 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002579.D
Acq: 05 May 2020 12:06

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	115.5	0.0	266.6
98	64.3	0.0	129.2



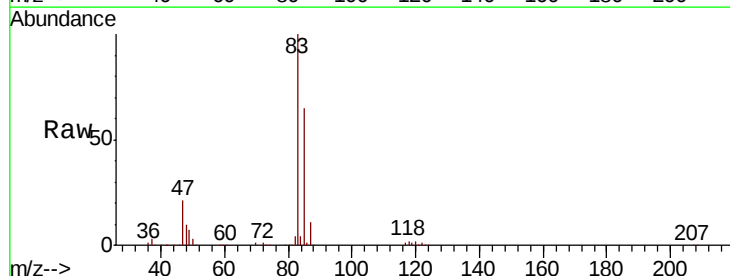
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



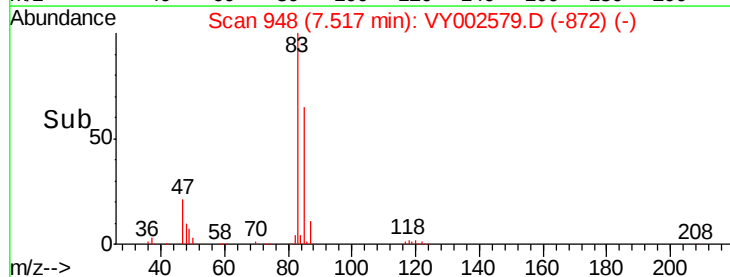
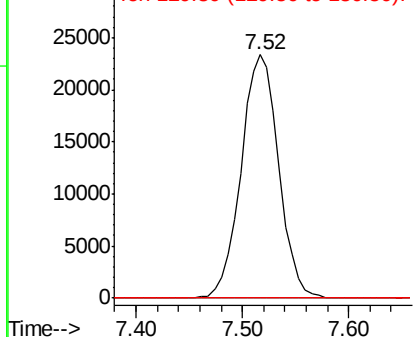
#28

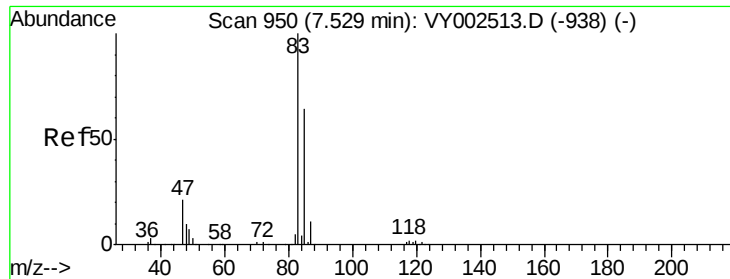
Bromochloromethane
Concen: 22.977 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.16 min
Lab File: VY002579.D
Acq: 05 May 2020 12:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	0.0	72.5	108.7#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

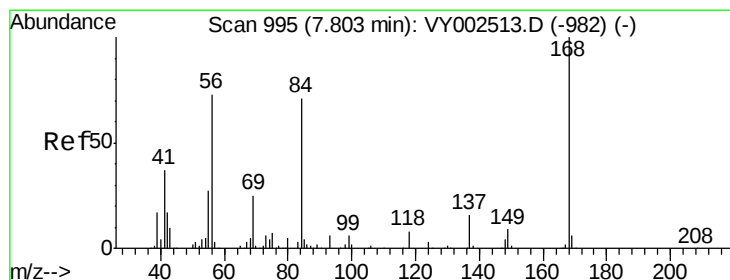
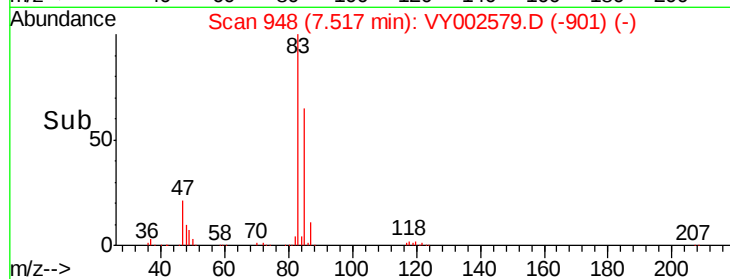
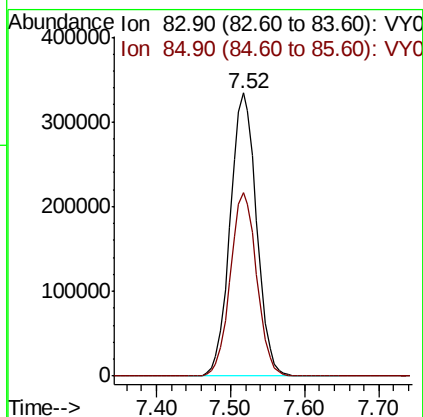
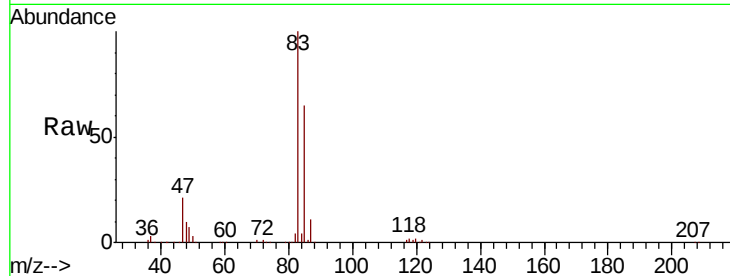




#30
Chloroform
Concen: 130.179 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY002579.D
Acq: 05 May 2020 12:06

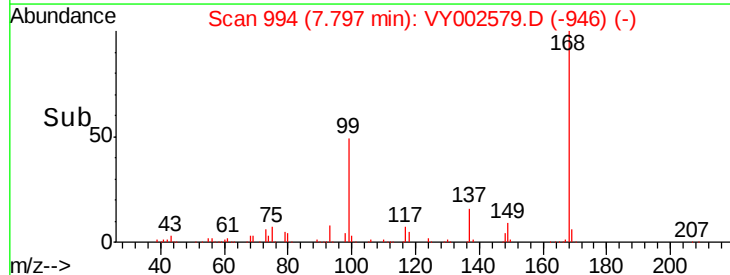
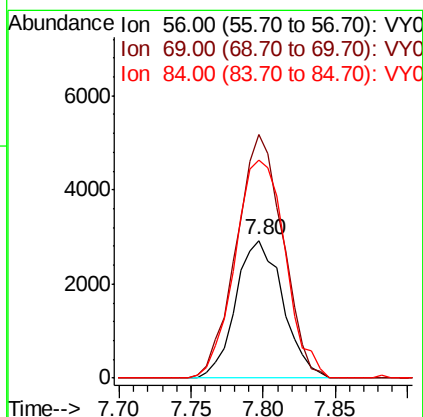
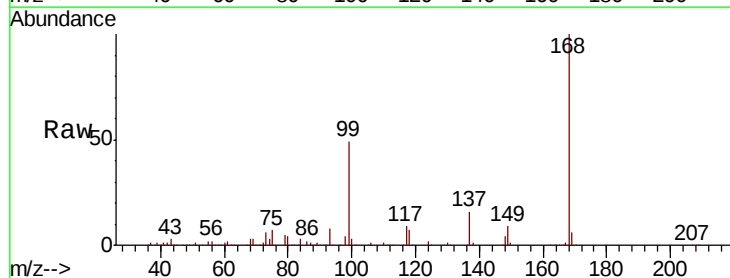
Instrument :
MSVOA_Y
ClientSampleId :

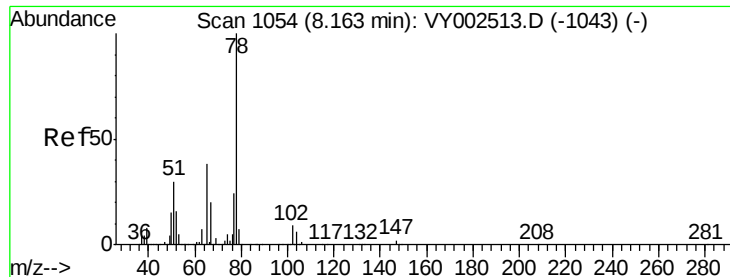
Tot Ion: 83 Resp: 827730
Ion Ratio Lower Upper
83 100
85 64.8 51.5 77.3



#31
Cyclohexane
Concen: 1.081 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY002579.D
Acq: 05 May 2020 12:06

Tgt Ion: 56 Resp: 6652
Ion Ratio Lower Upper
56 100
69 176.8 27.6 41.4#
84 158.3 77.7 116.5#

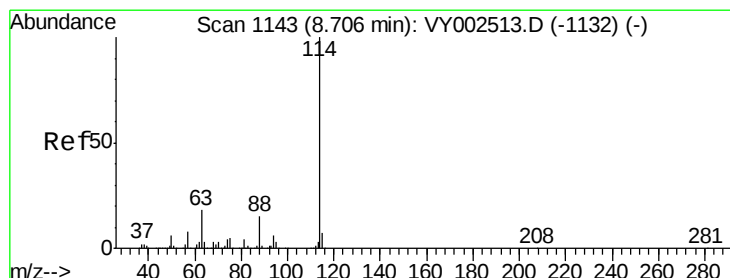
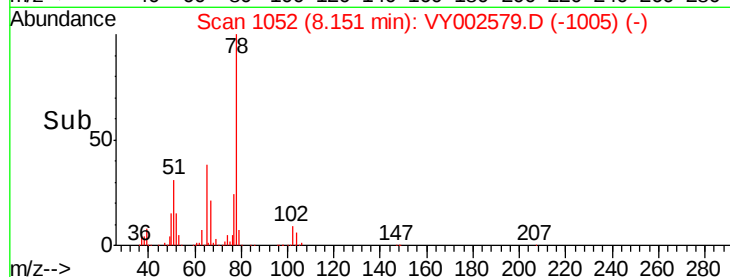
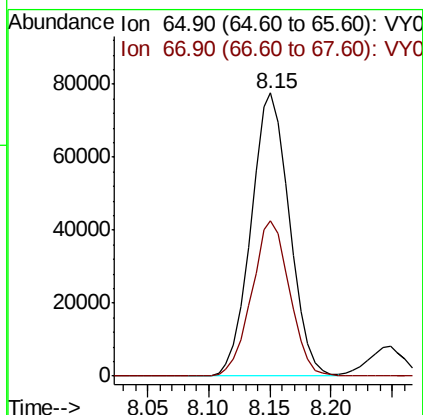
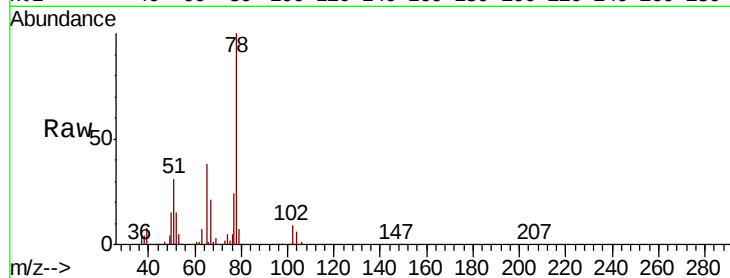




#33
 1,2-Dichloroethane-d4
 Concen: 49.455 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002579.D
 Acq: 05 May 2020 12:06

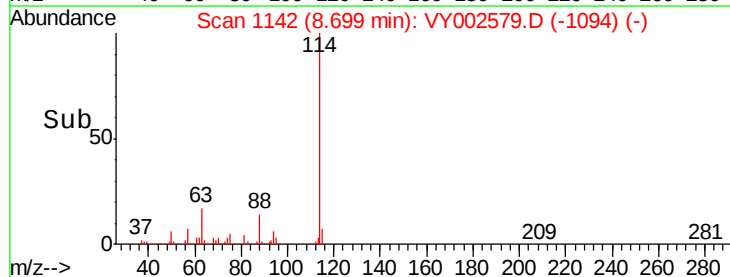
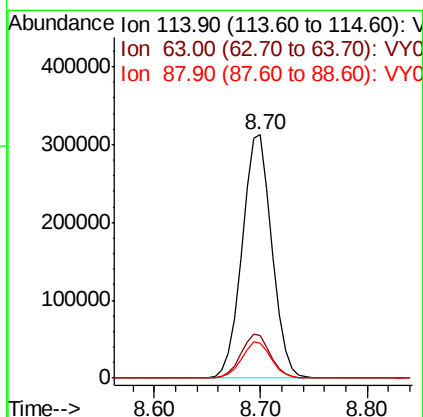
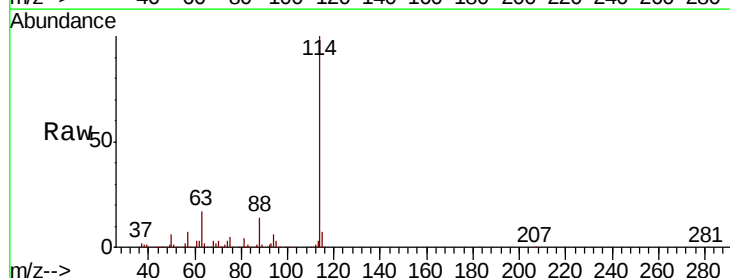
Instrument :
 MSVOA_Y
 ClientSampleId :

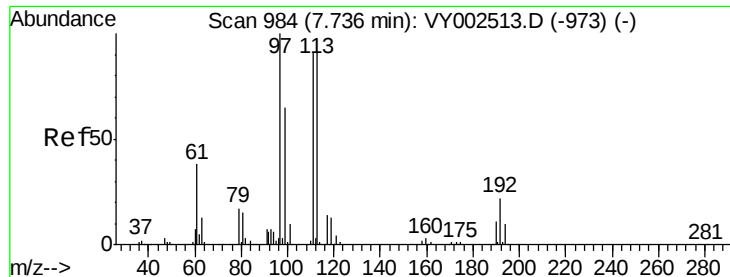
Tot Ion: 65 Resp: 169368
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002579.D
 Acq: 05 May 2020 12:06

Tgt Ion: 114 Resp: 612289
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 36.4
 88 14.3 0.0 29.6

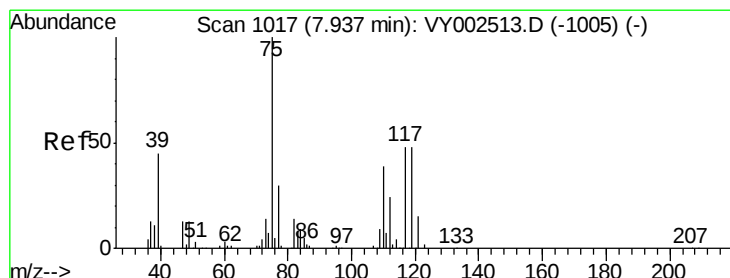
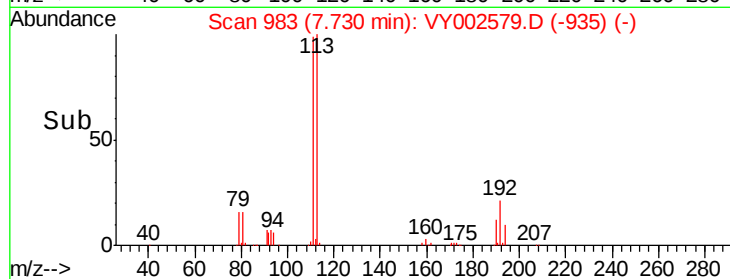
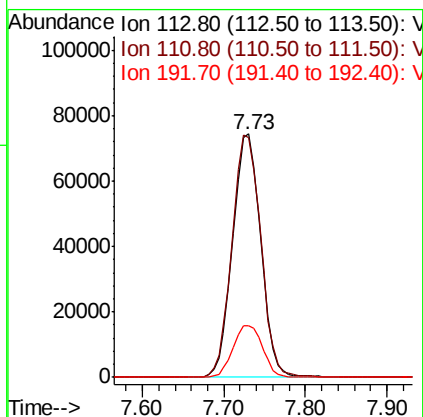
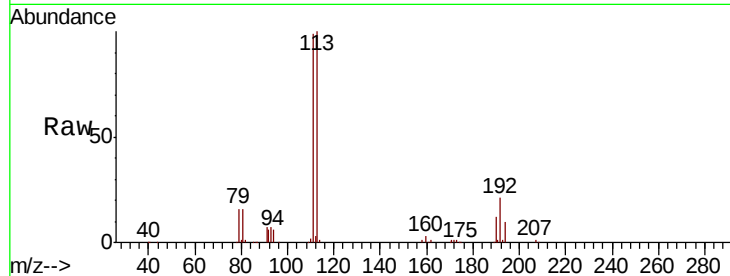




#35
Dibromofluoromethane
Concen: 50.505 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.01 min
Lab File: VY002579.D
Acq: 05 May 2020 12:06

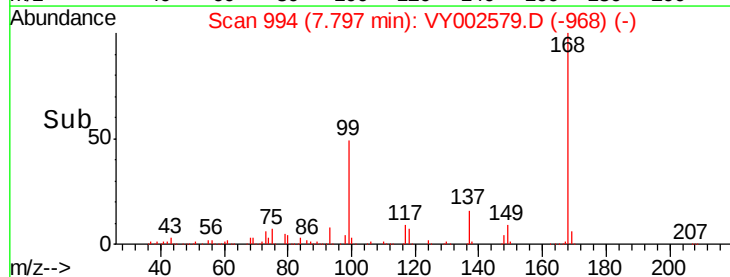
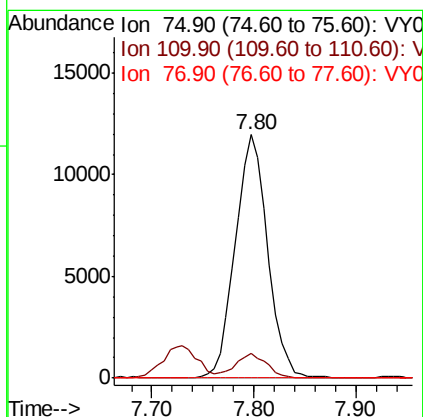
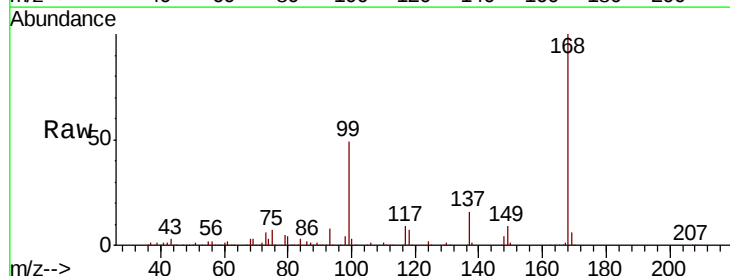
Instrument :
MSVOA_Y
ClientSampleId :

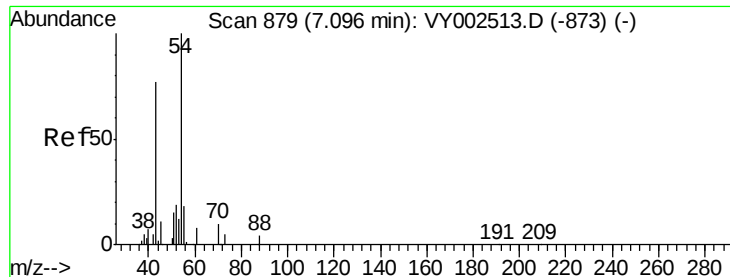
Tot Ion:113 Resp: 176853
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.6
192 22.5 18.2 27.4



#36
1,1-Dichloropropene
Concen: 5.127 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.14 min
Lab File: VY002579.D
Acq: 05 May 2020 12:06

Tgt Ion: 75 Resp: 26314
Ion Ratio Lower Upper
75 100
110 9.9 19.1 57.3#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 95.379 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.10 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

Instrument :

MSVOA_Y

ClientSampled :

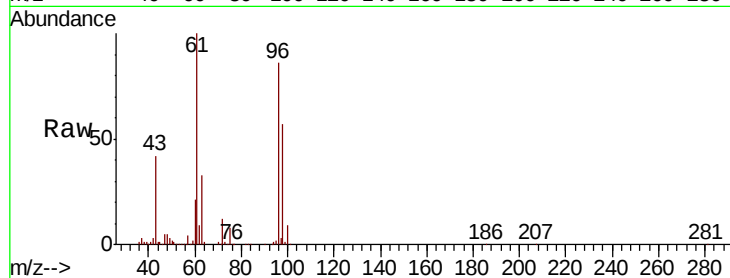
Tot Ion: 43 Resp: 251579

Ion Ratio Lower Upper

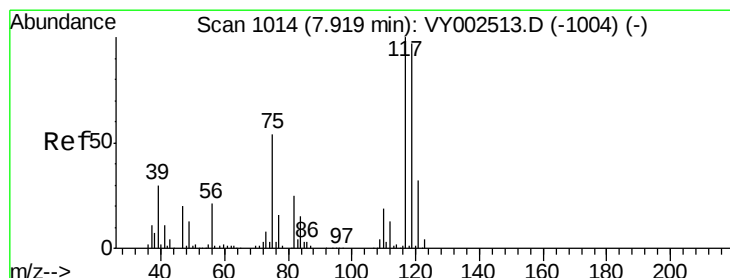
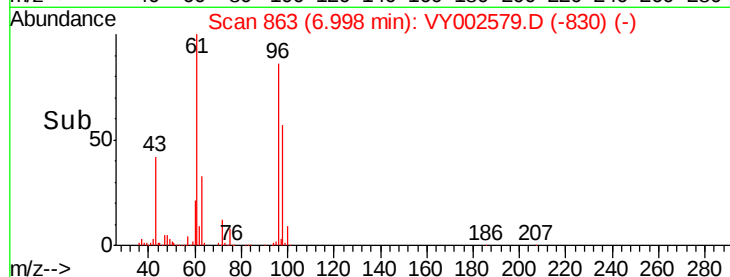
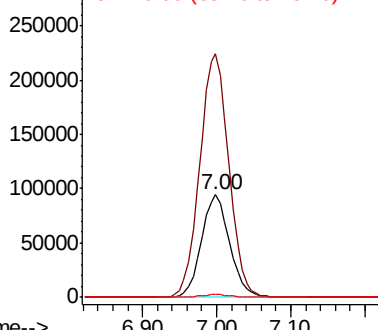
43 100

61 242.8 11.6 17.4#

70 2.6 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0



#38

Carbon Tetrachloride

Concen: 6.505 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

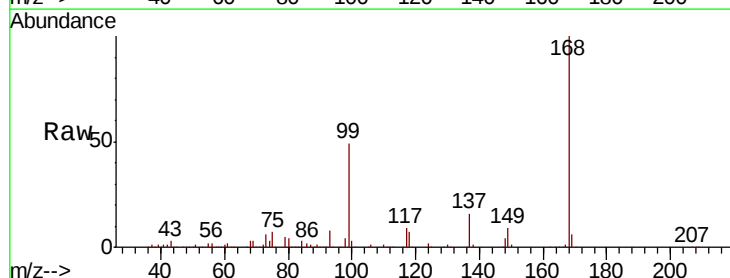
Tgt Ion: 117 Resp: 36453

Ion Ratio Lower Upper

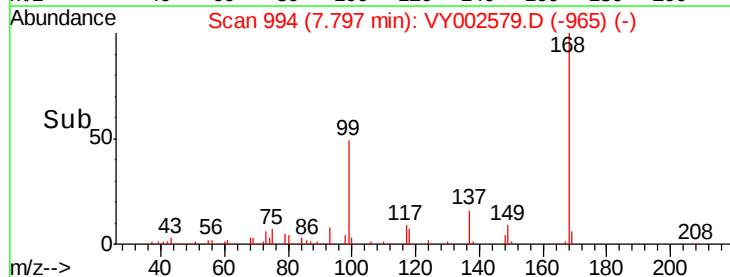
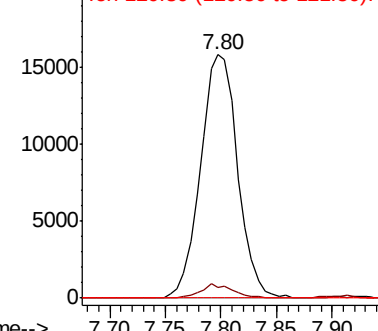
117 100

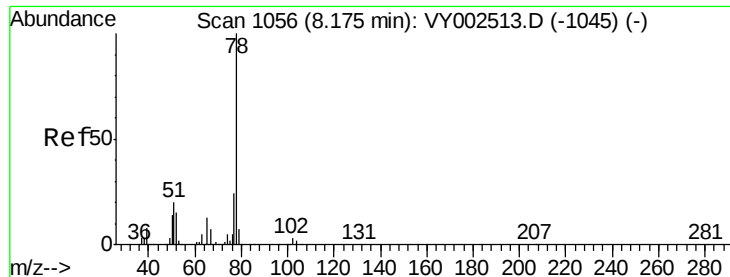
119 4.3 77.1 115.7#

121 0.0 25.2 37.8#



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





#40

Benzene

Concen: 60.450 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

Instrument :

MSVOA_Y

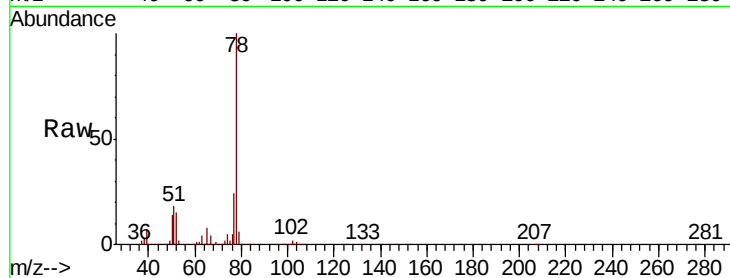
ClientSampleId :

Tot Ion: 78 Resp: 896164

Ion Ratio Lower Upper

78 100

77 23.8 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

8.17

400000

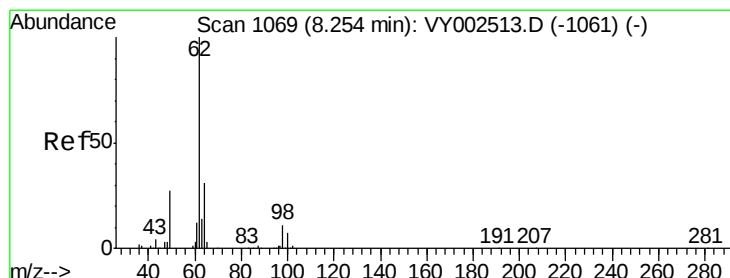
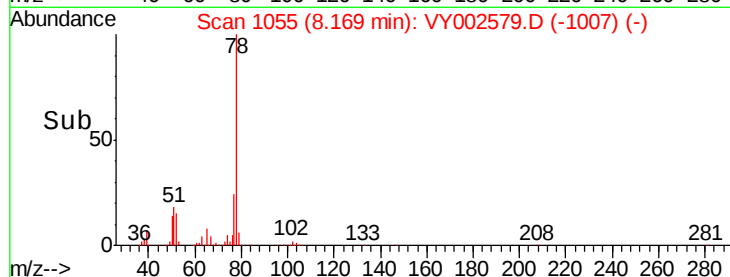
300000

200000

100000

0

Time-->



#42

1,2-Dichloroethane

Concen: 93.906 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VY002579.D

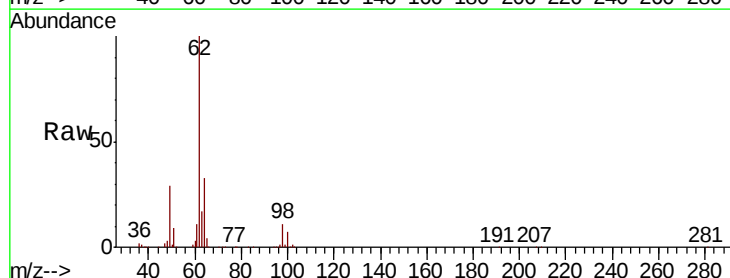
Acq: 05 May 2020 12:06

Tgt Ion: 62 Resp: 390494

Ion Ratio Lower Upper

62 100

98 11.2 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

8.24

200000

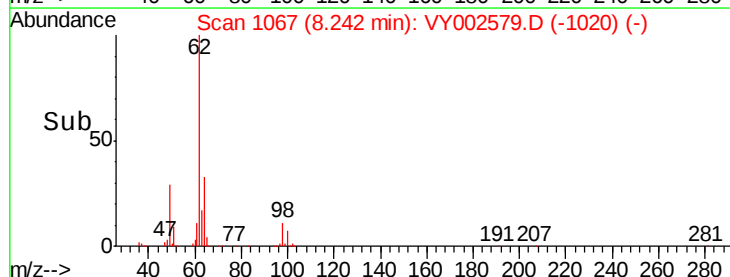
150000

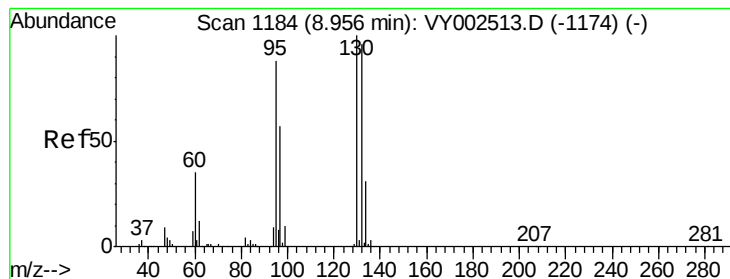
100000

50000

0

Time-->





#44

Trichloroethene

Concen: 133.681 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

Instrument :

MSVOA_Y

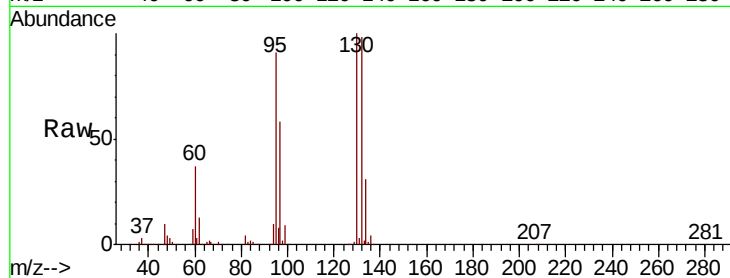
ClientSampled :

Tot Ion:130 Resp: 619341

Ion Ratio Lower Upper

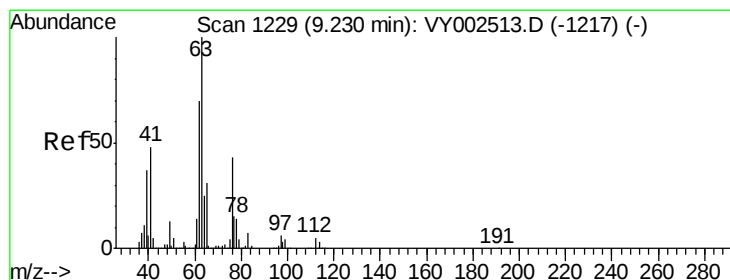
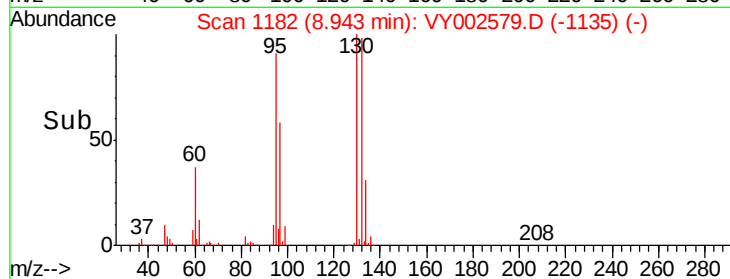
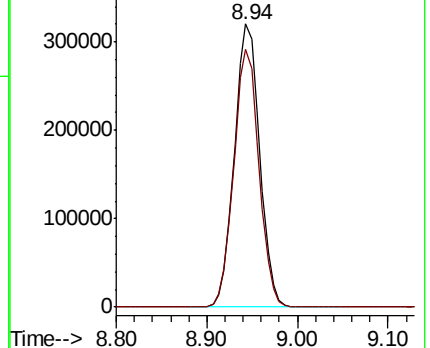
130 100

95 91.2 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): VY002513.D (-1174) (-)

Ion 94.90 (94.60 to 95.60): VY002513.D (-1174) (-)



#45

1,2-Dichloropropane

Concen: 44.354 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VY002579.D

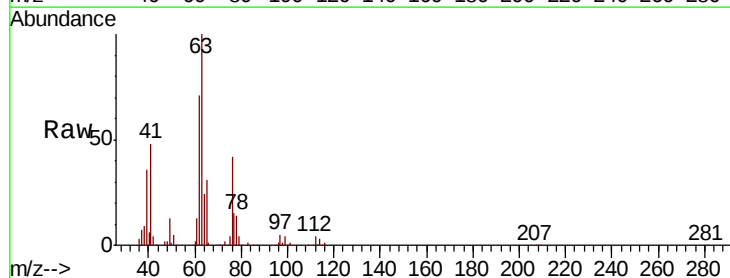
Acq: 05 May 2020 12:06

Tgt Ion: 63 Resp: 158693

Ion Ratio Lower Upper

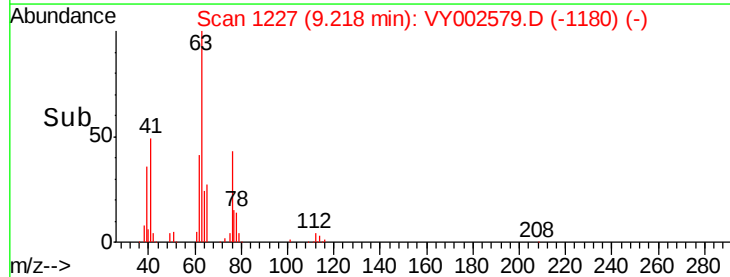
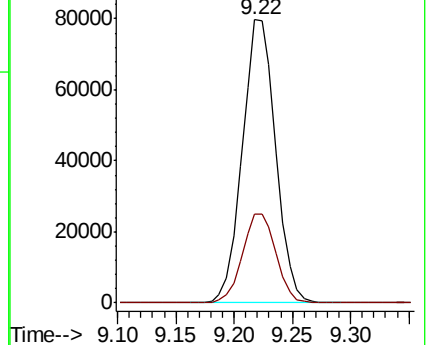
63 100

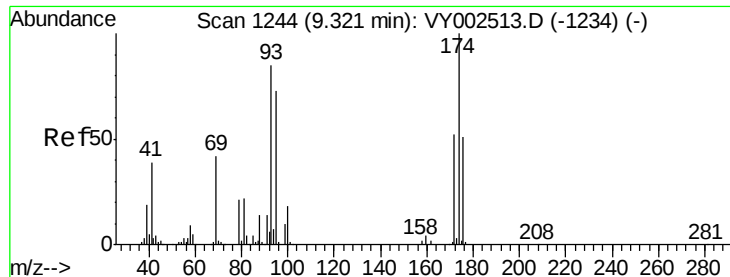
65 31.2 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VY002513.D (-1217) (-)

Ion 64.90 (64.60 to 65.60): VY002513.D (-1217) (-)

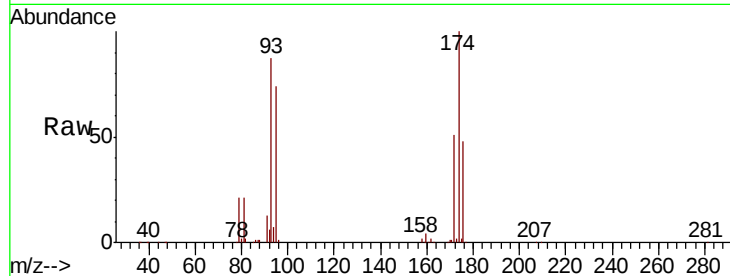




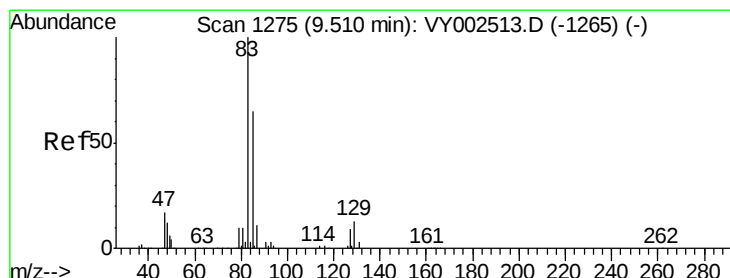
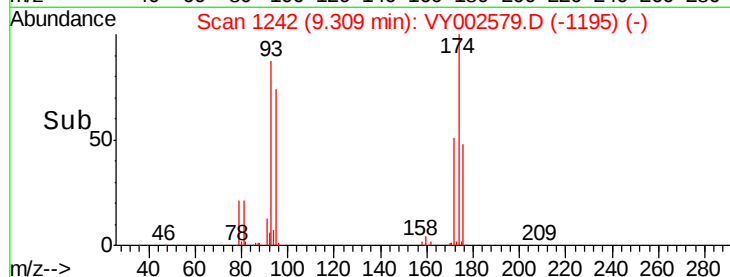
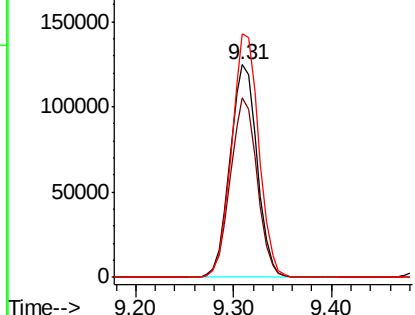
#46
Dibromomethane
Concen: 115.865 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY002579.D
Acq: 05 May 2020 12:06

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 93 Resp: 238517
Ion Ratio Lower Upper
93 100
95 83.7 67.0 100.4
174 115.3 92.7 139.1

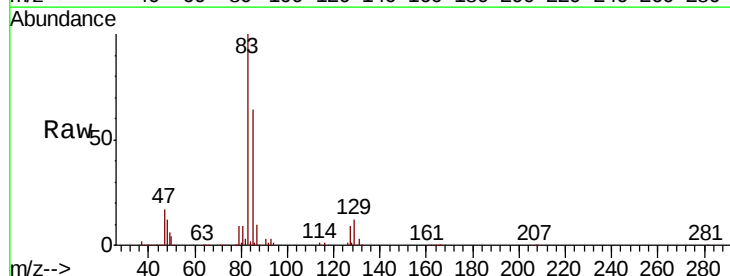


Abundance Ion 92.80 (92.50 to 93.50): VY0
Ion 94.80 (94.50 to 95.50): VY0
Ion 173.70 (173.40 to 174.40): V

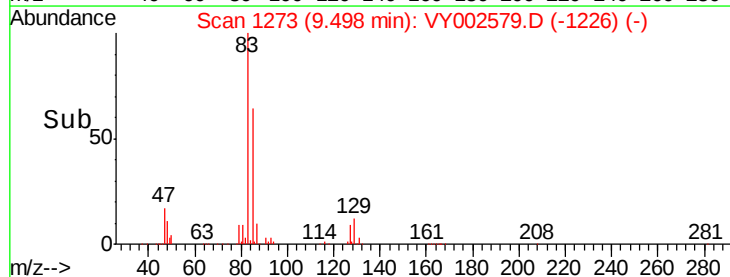
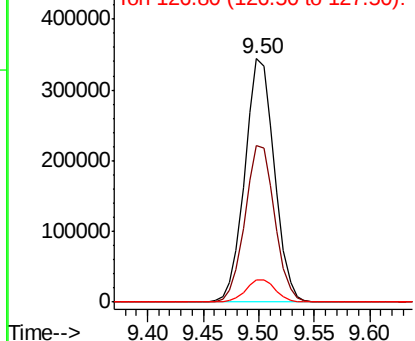


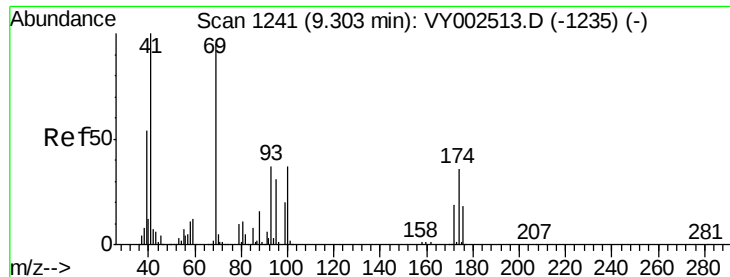
#47
Bromodichloromethane
Concen: 126.906 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VY002579.D
Acq: 05 May 2020 12:06

Tgt Ion: 83 Resp: 635227
Ion Ratio Lower Upper
83 100
85 64.4 51.8 77.8
127 9.3 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V

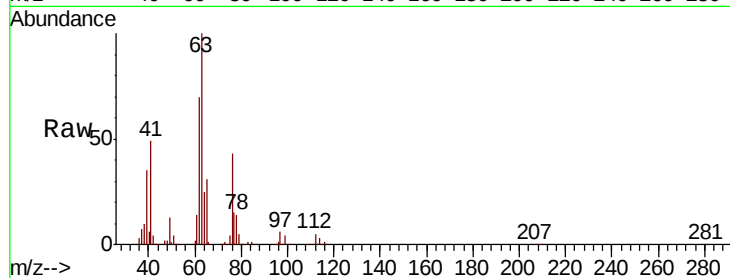




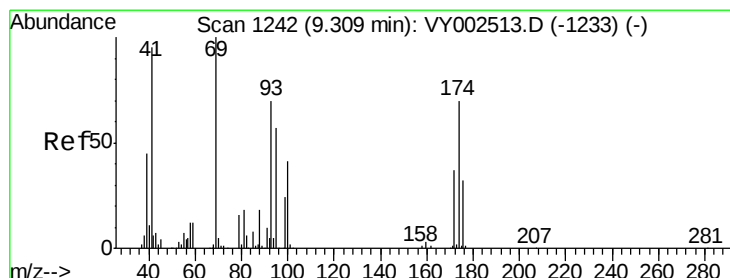
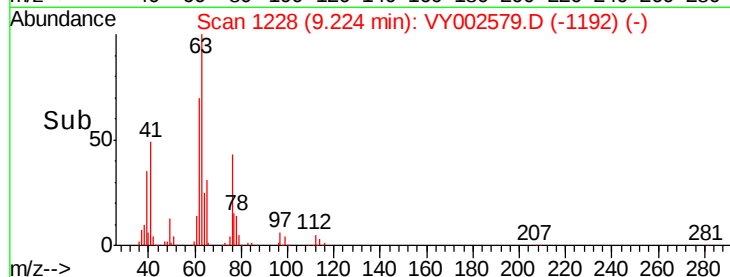
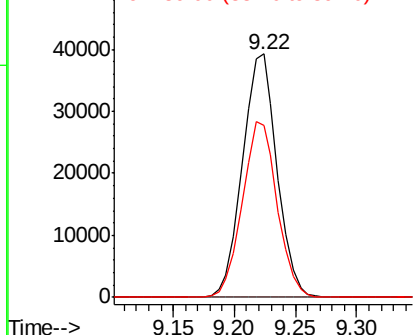
#48
Methvl methacrylate
Concen: 34.405 ug/l
RT: 9.22 min Scan# 1228
Delta R.T. -0.08 min
Lab File: VY002579.D
Acq: 05 May 2020 12:06

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.2	114.4#
39	72.7	42.7	64.1#

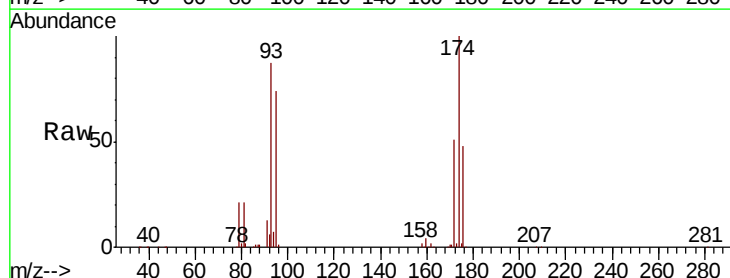


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0

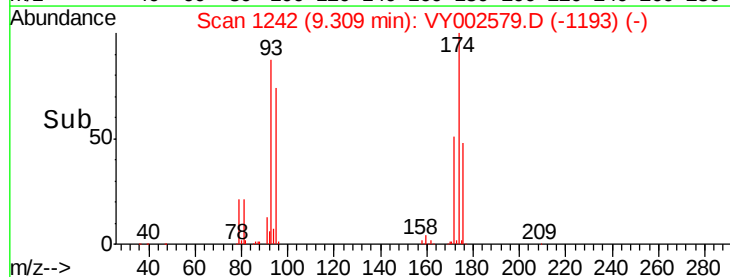
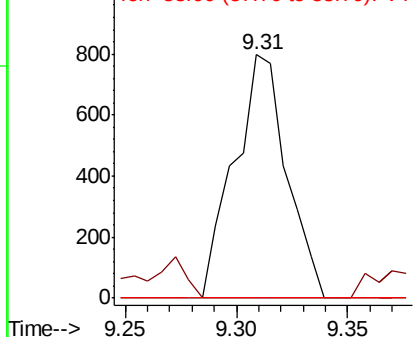


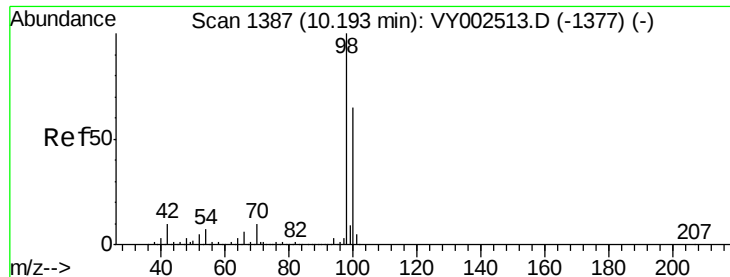
#49
1,4-Dioxane
Concen: 47.915 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY002579.D
Acq: 05 May 2020 12:06

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.8	34.2#
58	0.0	51.4	77.2#



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: 50.602 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

Instrument :

MSVOA_Y

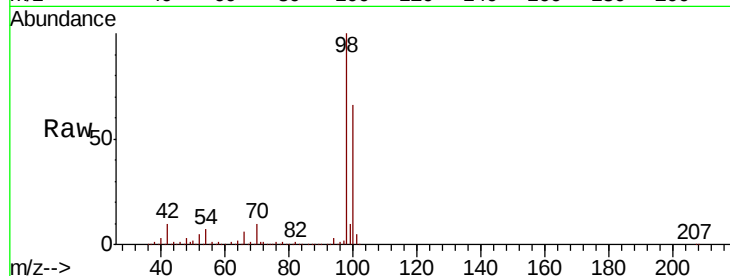
ClientSampleId :

Tot Ion: 98 Resp: 691958

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY002513.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY002513.D (-1377) (-)

10.18

400000

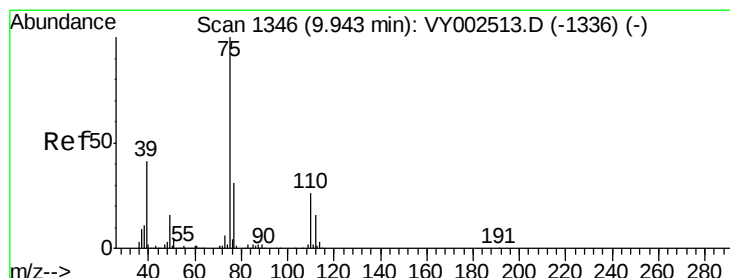
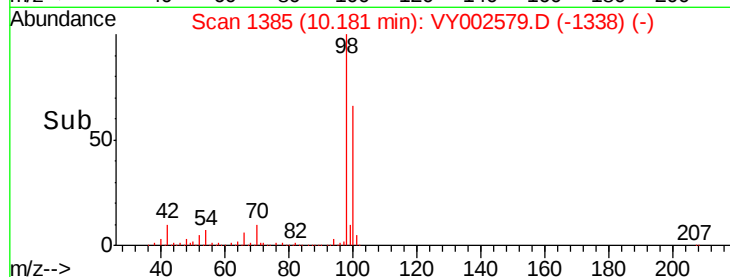
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 118.920 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

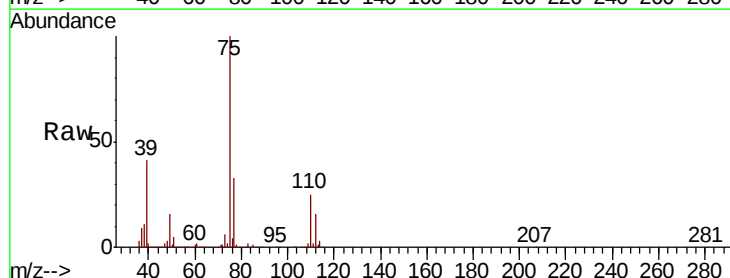
Tgt Ion: 75 Resp: 721008

Ion Ratio Lower Upper

75 100

77 32.7 25.1 37.7

39 40.5 32.7 49.1



Abundance Ion 74.90 (74.60 to 75.60): VY002513.D (-1336) (-)

Ion 76.90 (76.60 to 77.60): VY002513.D (-1336) (-)

Ion 39.00 (38.70 to 39.70): VY002513.D (-1336) (-)

9.93

500000

400000

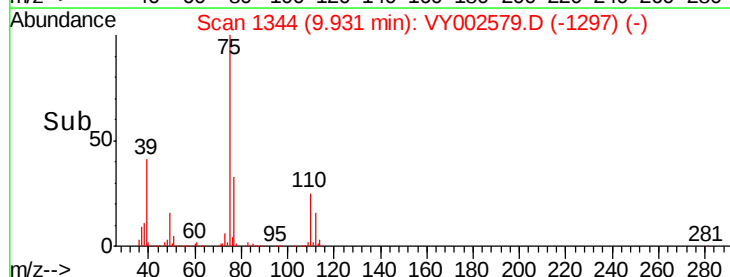
300000

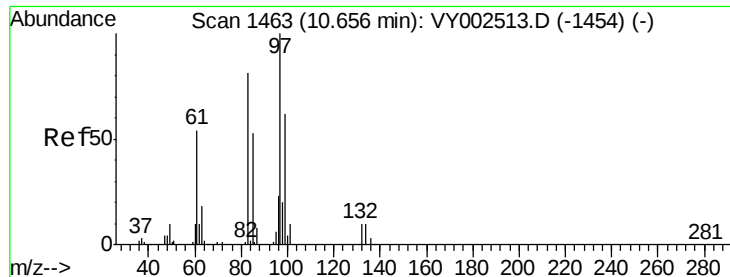
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 61.136 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. -0.01 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 97 Resp: 183529

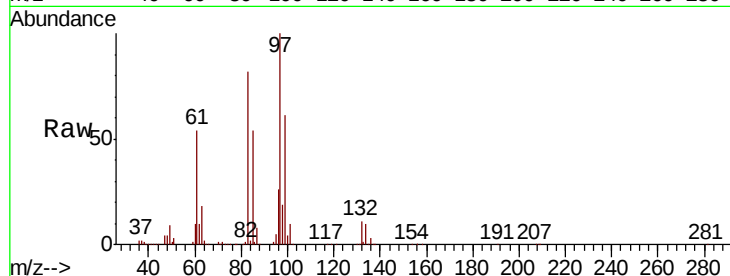
Ion Ratio Lower Upper

97 100

83 82.1 65.1 97.7

85 54.2 42.7 64.1

99 61.3 50.0 75.0

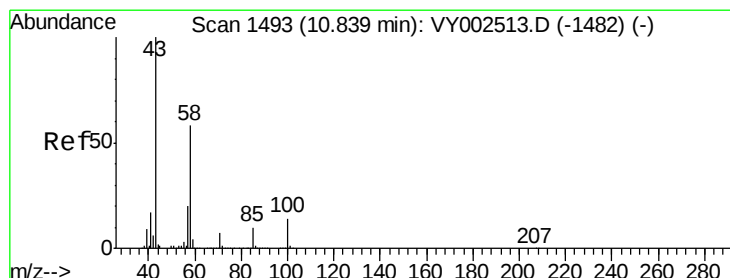
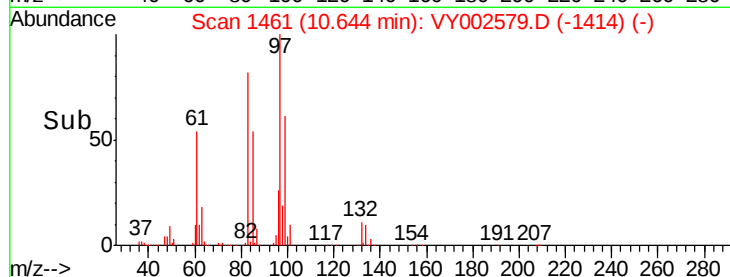
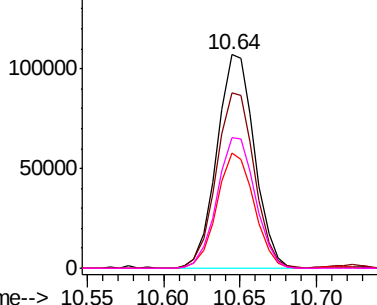


Abundance Ion 96.90 (96.60 to 97.60): VY0

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



#59

2-Hexanone

Concen: 324.544 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VY002579.D

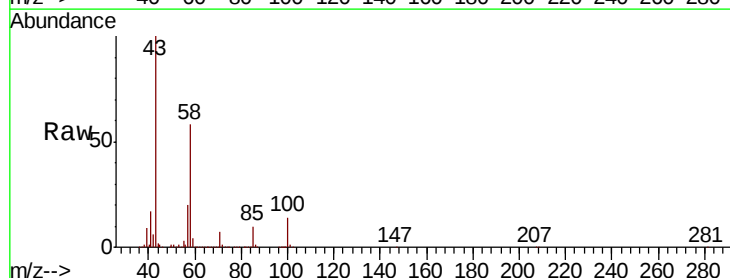
Acq: 05 May 2020 12:06

Tgt Ion: 43 Resp: 569328

Ion Ratio Lower Upper

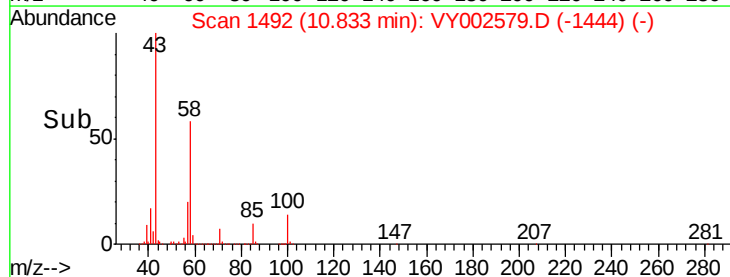
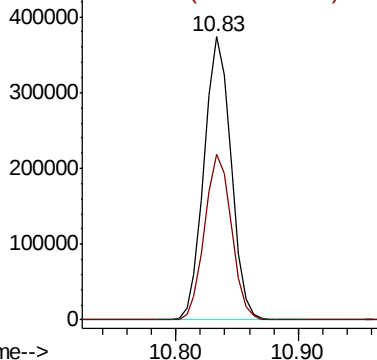
43 100

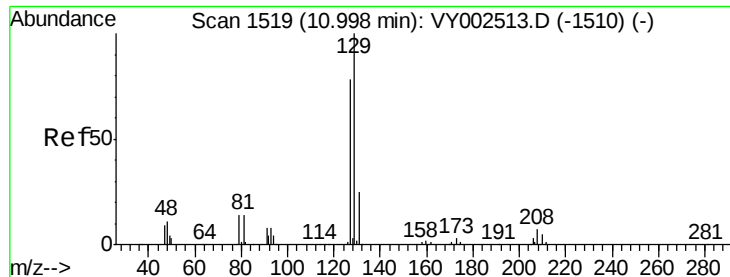
58 58.4 29.1 87.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#60

Dibromochloromethane

Concen: 122.394 ug/l

RT: 10.99 min Scan# 1517

Delta R.T. -0.01 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

Instrument :

MSVOA_Y

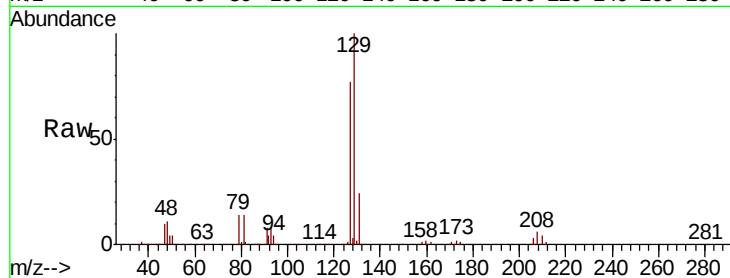
ClientSampleId :

Tot Ion:129 Resp: 467317

Ion Ratio Lower Upper

129 100

127 77.4 39.0 117.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.99

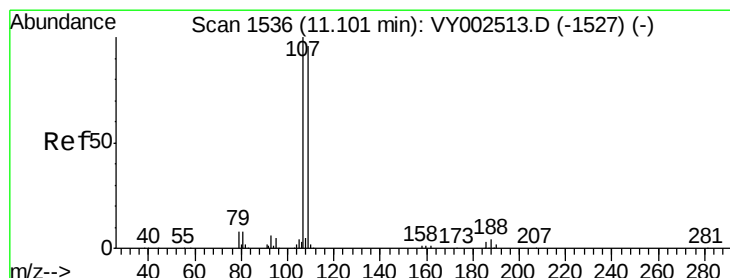
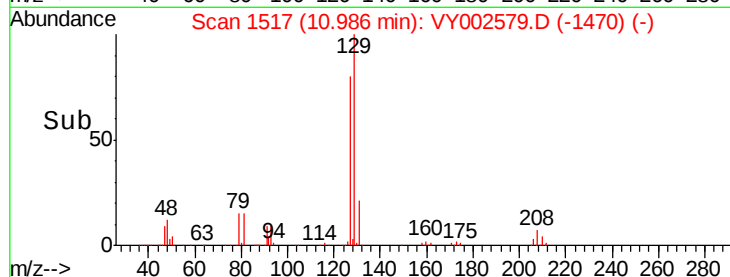
300000

200000

100000

0

Time-->



#61

1,2-Dibromoethane

Concen: 105.871 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VY002579.D

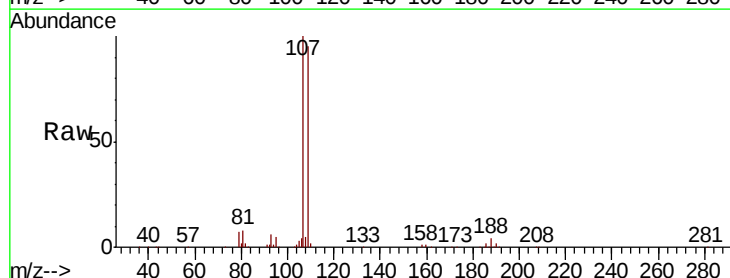
Acq: 05 May 2020 12:06

Tgt Ion:107 Resp: 314700

Ion Ratio Lower Upper

107 100

109 94.9 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.09

200000

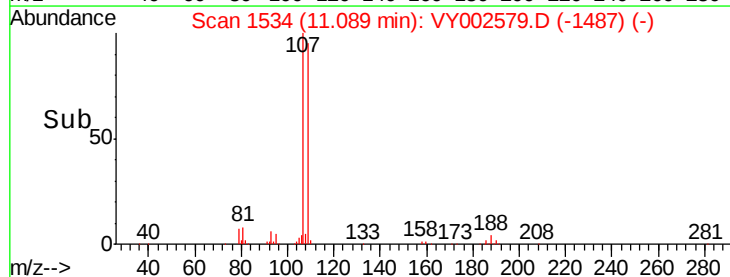
150000

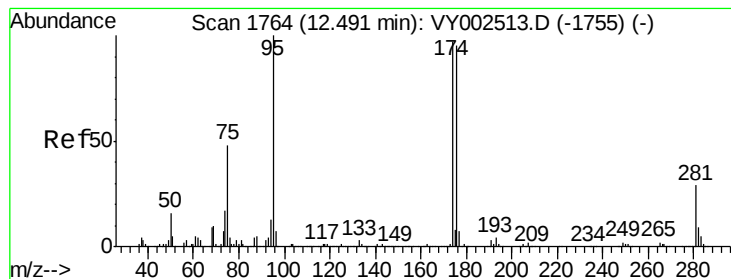
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 49.944 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

Instrument :

MSVOA_Y

ClientSampleId :

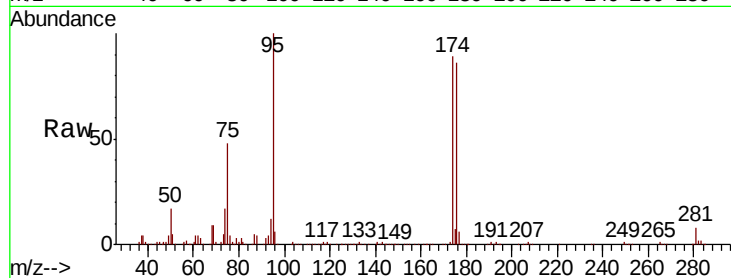
Tot Ion: 95 Resp: 231747

Ion Ratio Lower Upper

95 100

174 93.2 0.0 188.8

176 90.9 0.0 183.2

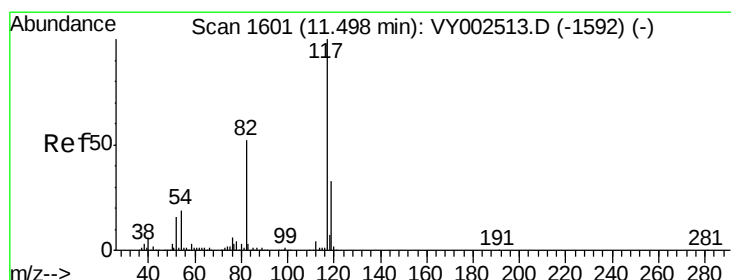
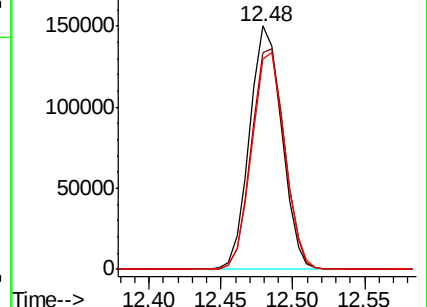
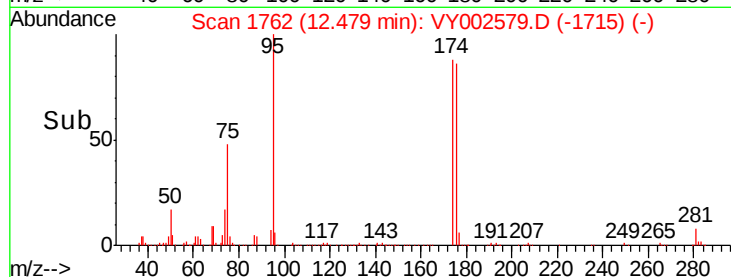


Abundance Ion 94.90 (94.60 to 95.60): VY002513.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002513.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002513.D (-1755) (-)

12.48



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

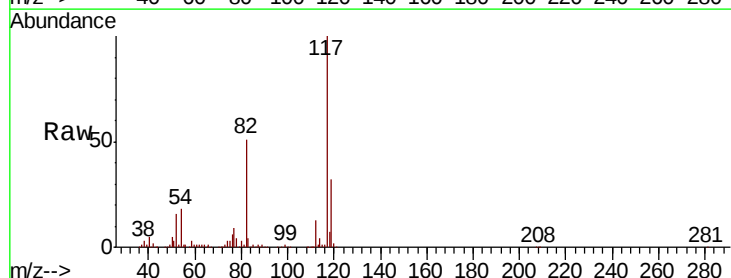
Tgt Ion: 117 Resp: 546014

Ion Ratio Lower Upper

117 100

82 50.7 41.3 61.9

119 32.2 26.0 39.0

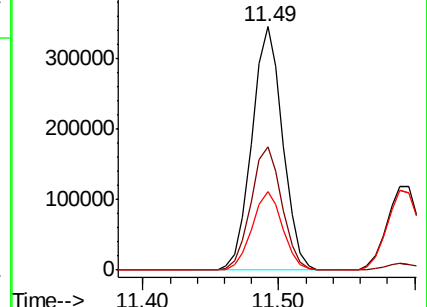
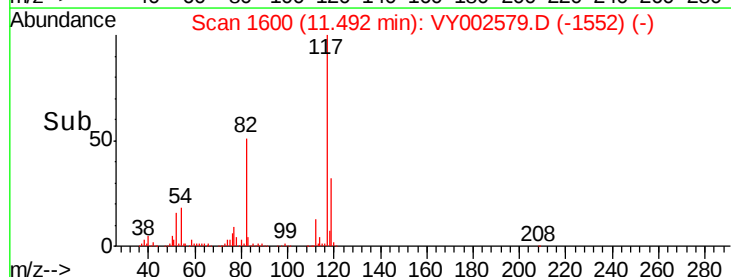


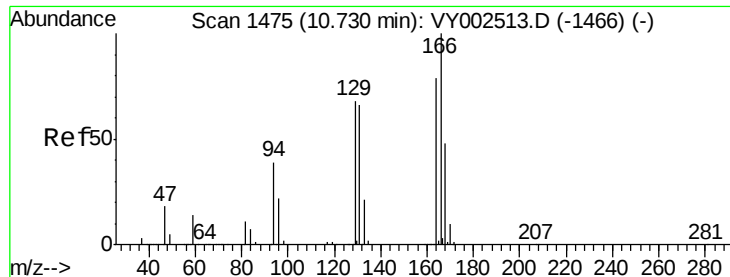
Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY002513.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY002513.D (-1592) (-)

11.49





#64

Tetrachloroethene

Concen: 29.959 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:164 Resp: 145339

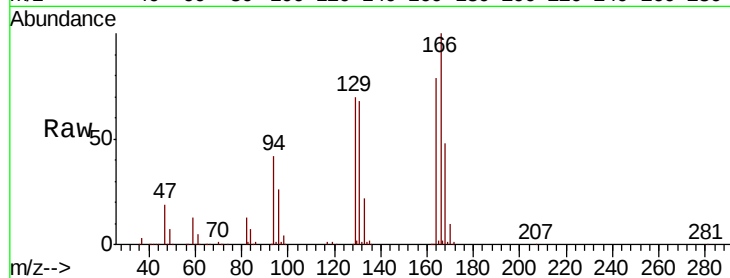
Ion Ratio Lower Upper

164 100

166 127.3 100.7 151.1

129 89.2 68.3 102.5

131 86.6 66.8 100.2

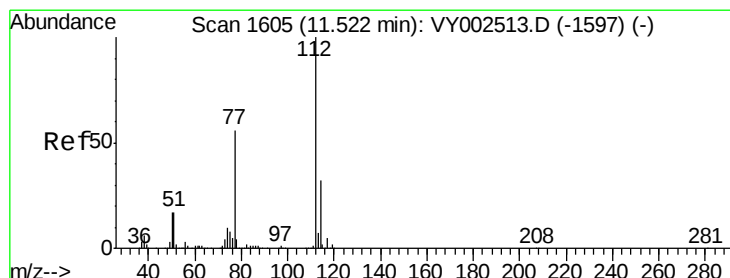
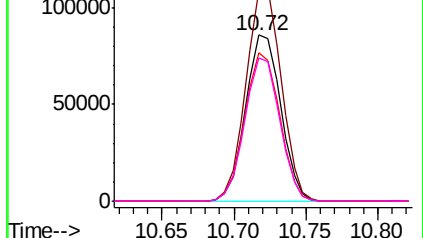
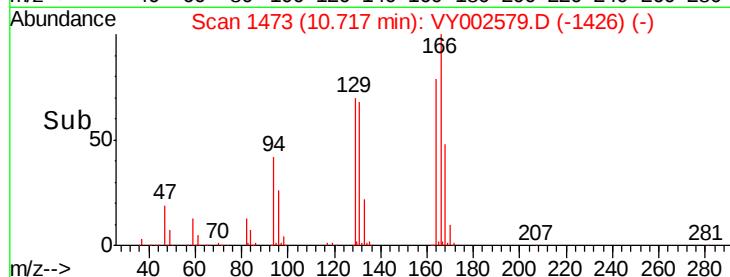


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 131.869 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: VY002579.D

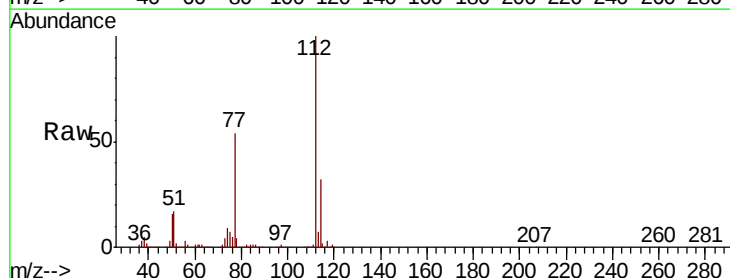
Acq: 05 May 2020 12:06

Tgt Ion:112 Resp: 1368767

Ion Ratio Lower Upper

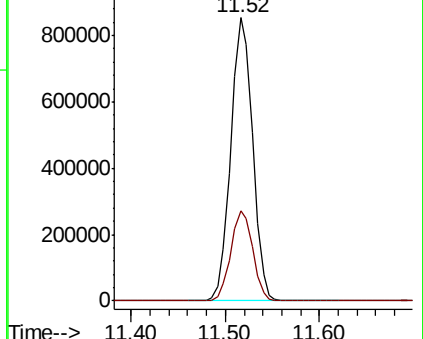
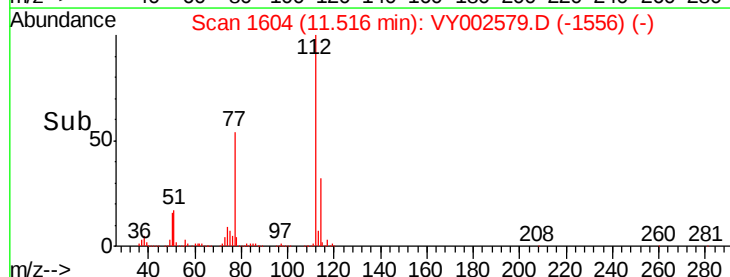
112 100

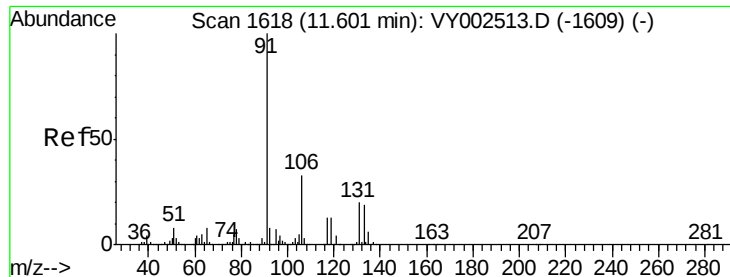
114 31.8 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 76.755 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

Instrument :

MSVOA_Y

ClientSampleId :

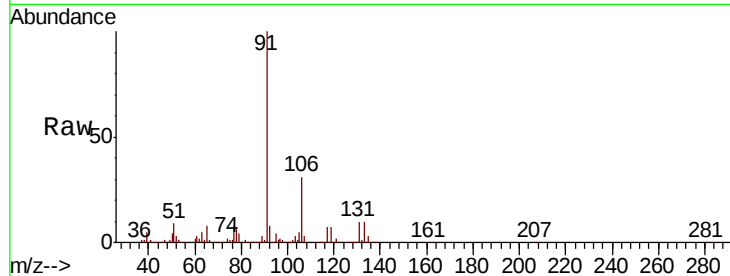
Tot Ion:131 Resp: 295735

Ion Ratio Lower Upper

131 100

133 94.9 48.1 144.4

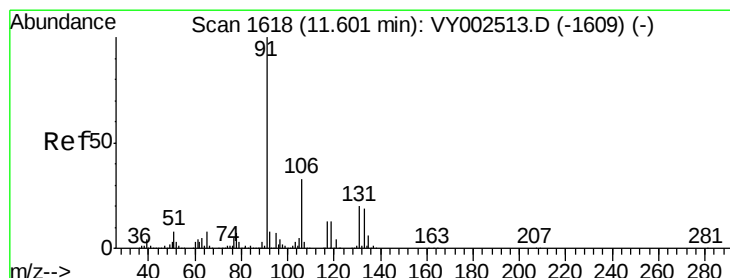
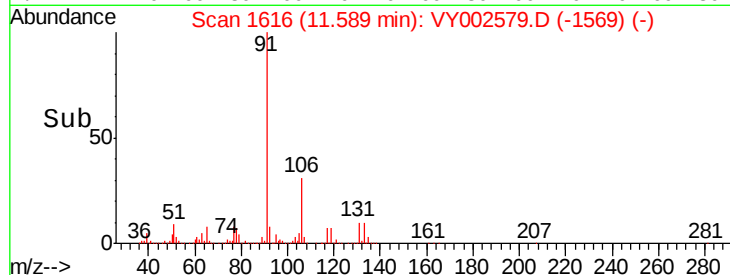
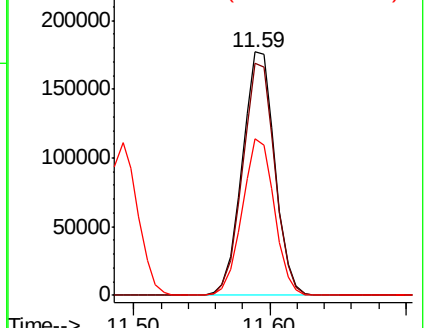
119 63.5 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 157.160 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002579.D

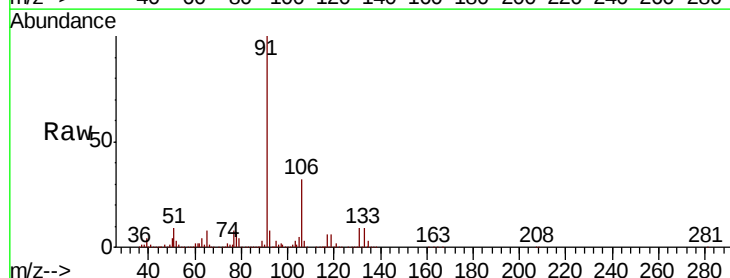
Acq: 05 May 2020 12:06

Tgt Ion: 91 Resp: 2865452

Ion Ratio Lower Upper

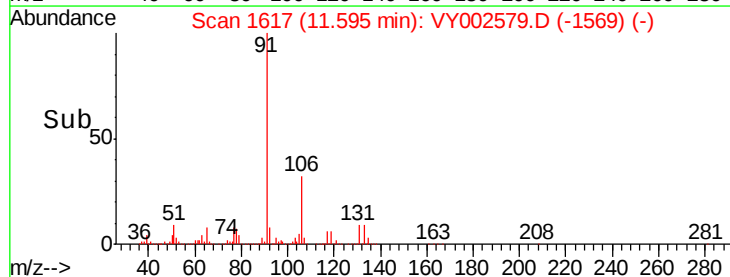
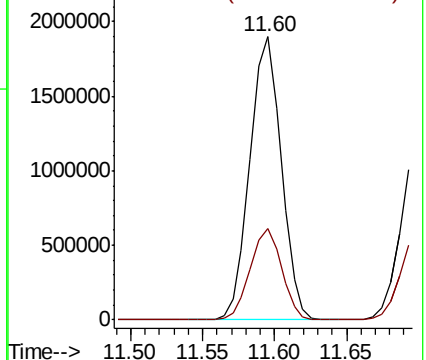
91 100

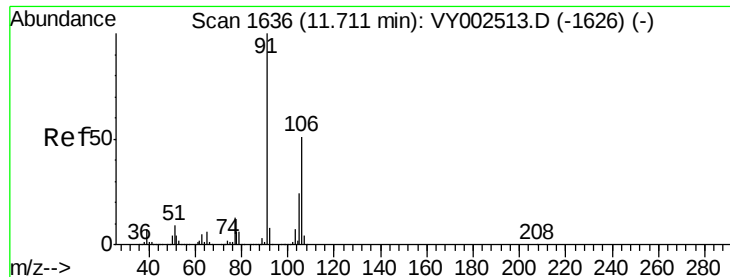
106 32.4 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V

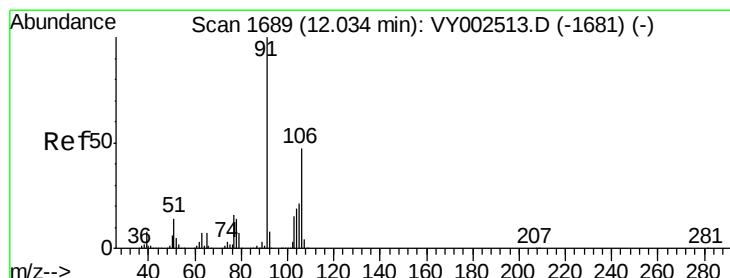
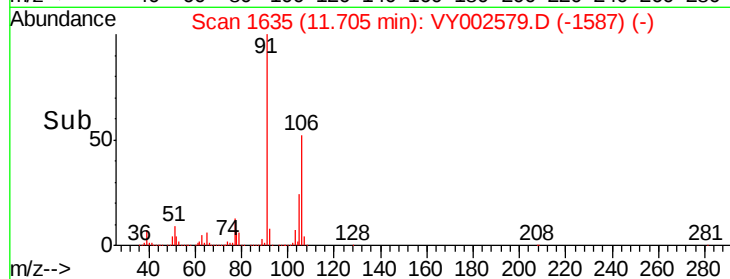
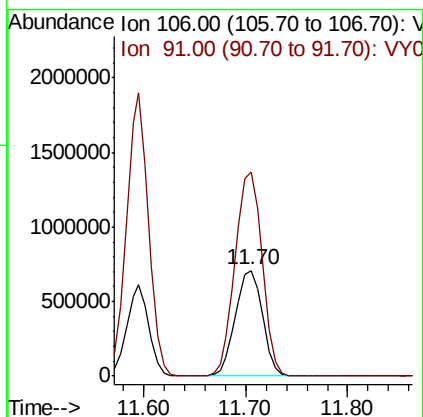
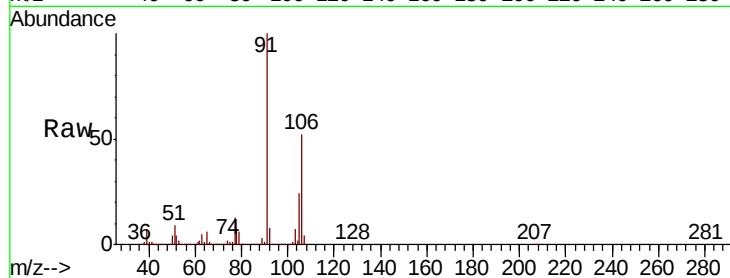




#68
m/p-Xylenes
Concen: 183.669 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY002579.D
Acq: 05 May 2020 12:06

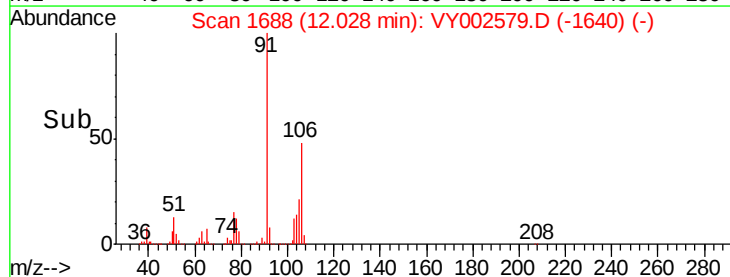
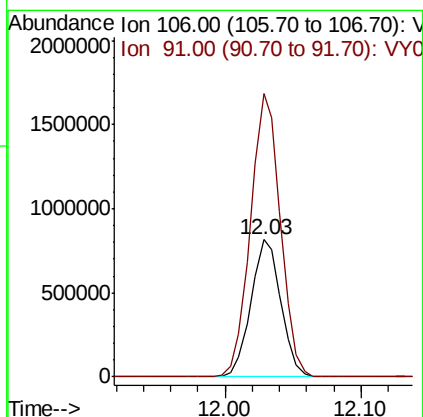
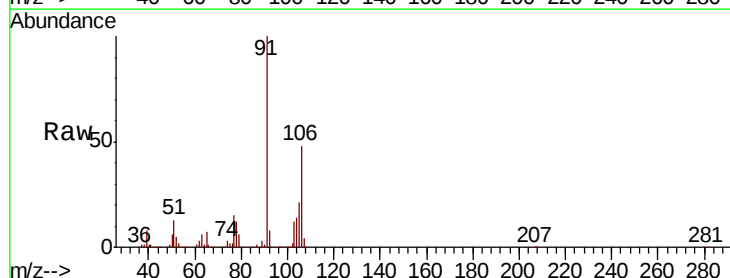
Instrument :
MSVOA_Y
ClientSampled :

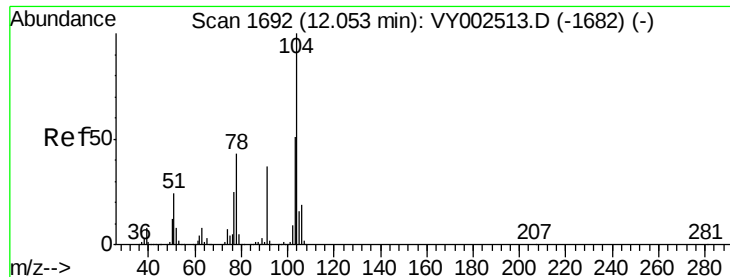
Tot Ion:106 Resp: 1295722
Ion Ratio Lower Upper
106 100
91 193.7 155.2 232.8



#69
o-Xylene
Concen: 190.883 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY002579.D
Acq: 05 May 2020 12:06

Tgt Ion:106 Resp: 1260856
Ion Ratio Lower Upper
106 100
91 205.5 103.8 311.3





#70

Stvrene

Concen: 114.803 ug/l

RT: 12.05 min Scan# 1691

Delta R.T. -0.01 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

Instrument :

MSVOA_Y

ClientSampleId :

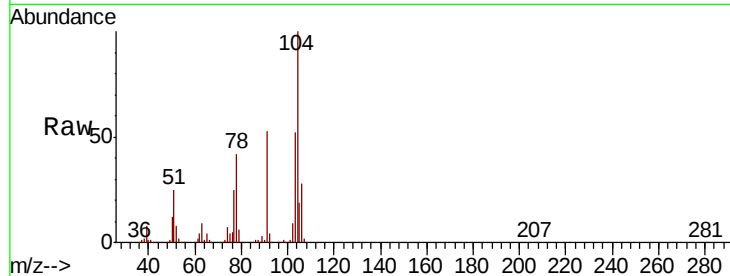
Tot Ion:104 Resp: 1296361

Ion Ratio Lower Upper

104 100

78 51.0 37.4 56.0

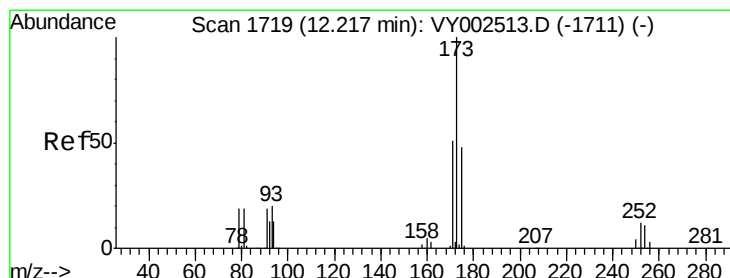
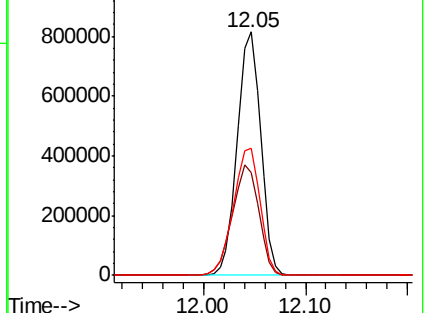
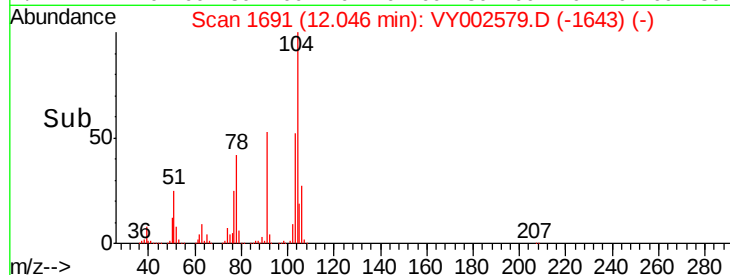
103 59.0 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 94.937 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

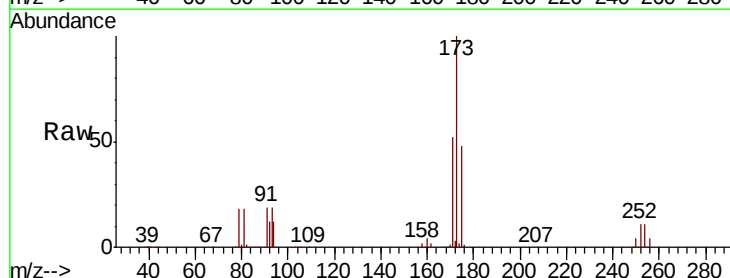
Tgt Ion:173 Resp: 227035

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.8

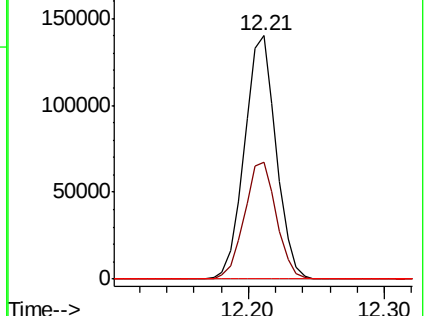
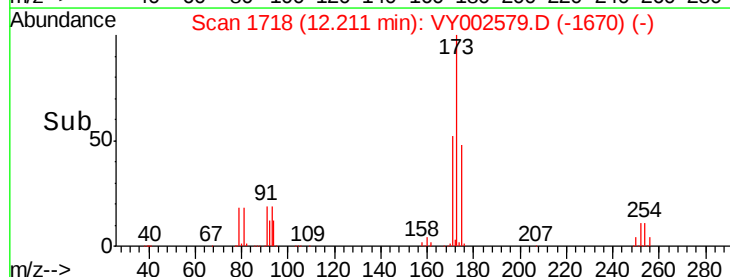
254 0.1 0.2 0.2#

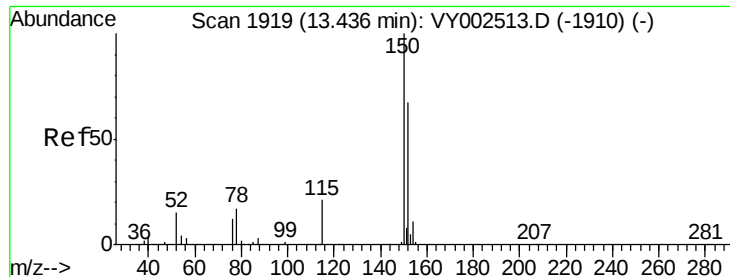


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

Instrument :

MSVOA_Y

ClientSampleId :

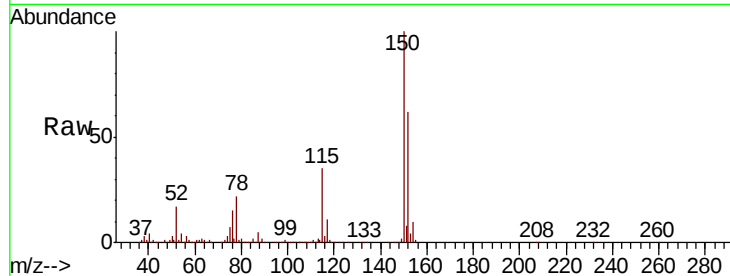
Tot Ion:152 Resp: 276515

Ion Ratio Lower Upper

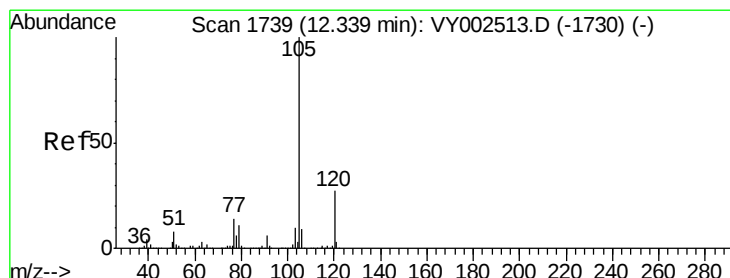
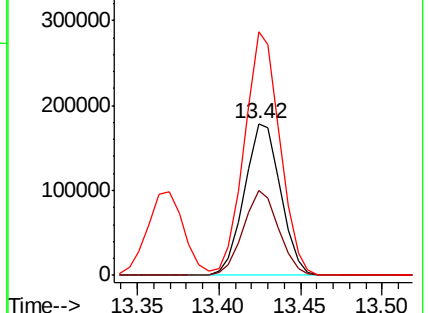
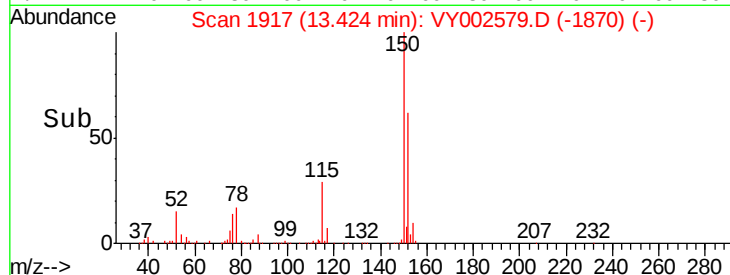
152 100

115 54.4 27.5 82.4

150 156.9 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



#73

Isopropylbenzene

Concen: 166.466 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002579.D

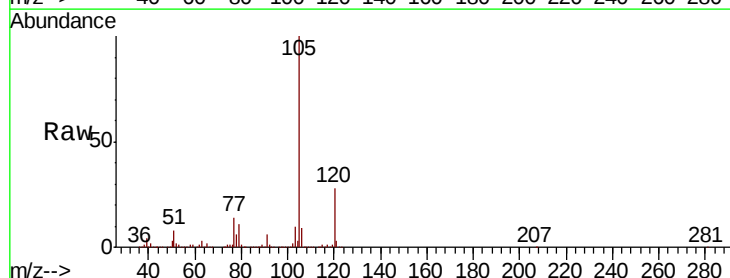
Acq: 05 May 2020 12:06

Tgt Ion:105 Resp: 2983208

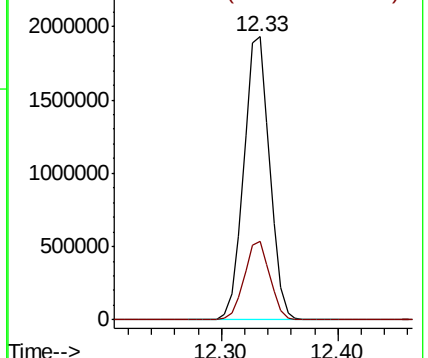
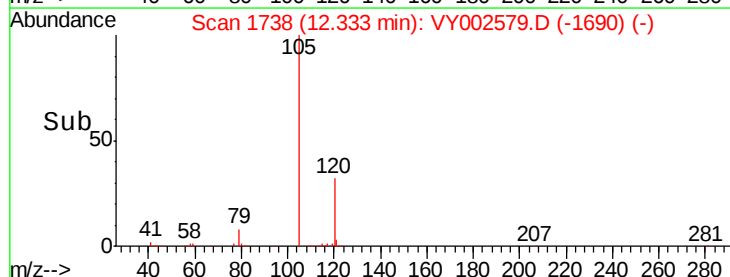
Ion Ratio Lower Upper

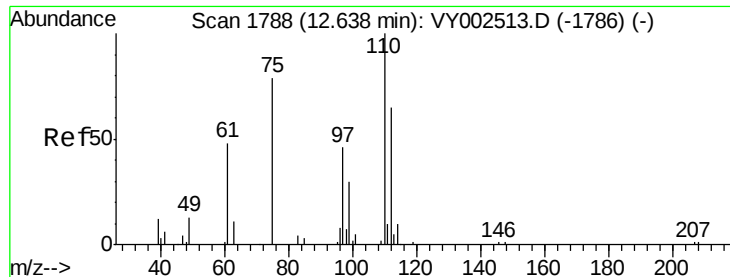
105 100

120 27.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 34.301 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

Instrument :

MSVOA_Y

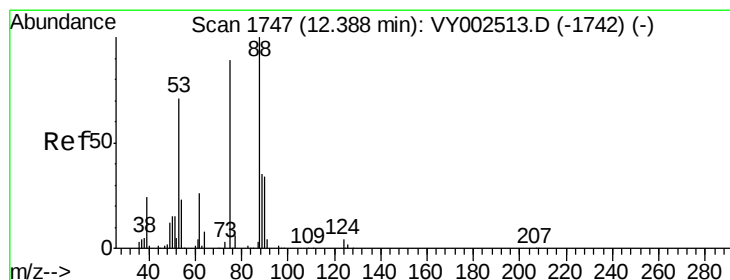
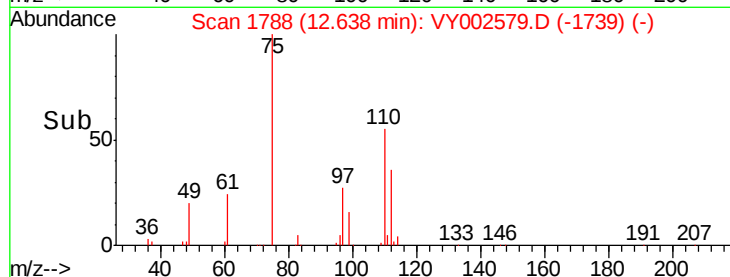
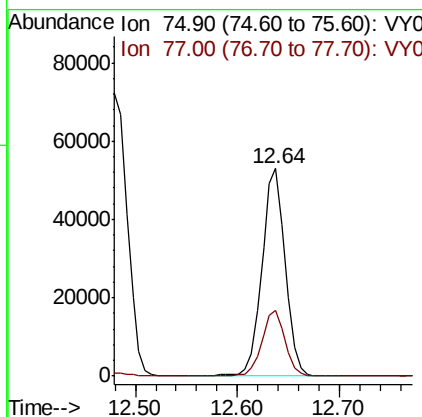
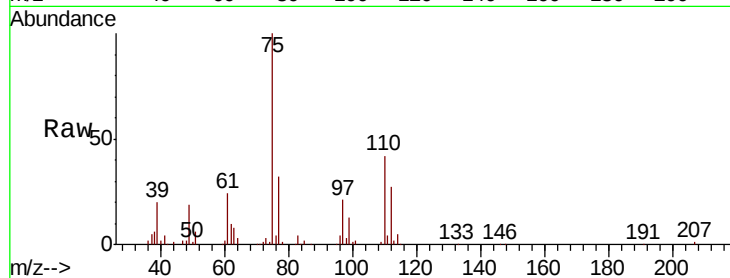
ClientSampleId :

Tot Ion: 75 Resp: 84288

Ion Ratio Lower Upper

75 100

77 31.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 24.931 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.06 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

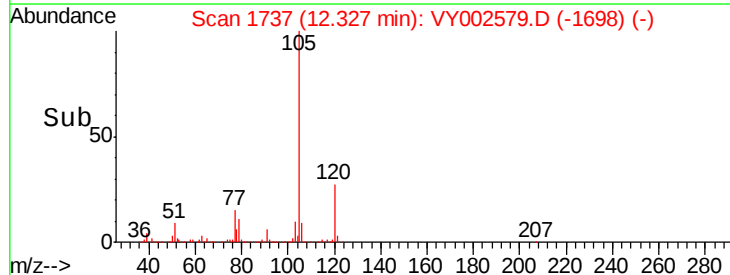
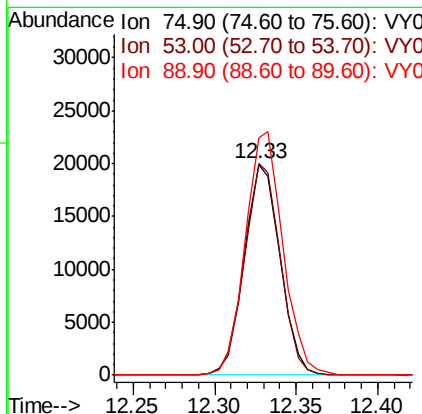
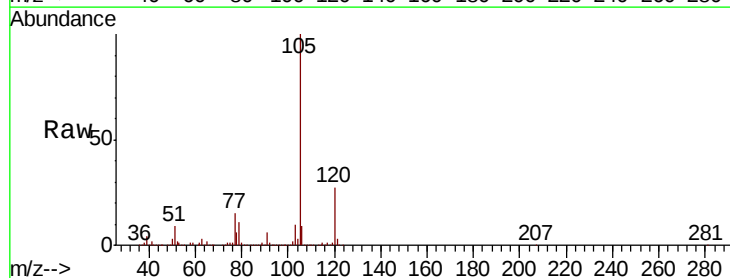
Tgt Ion: 75 Resp: 30552

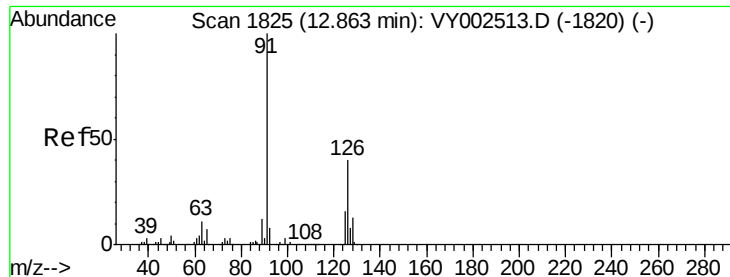
Ion Ratio Lower Upper

75 100

53 100.7 67.4 101.0

89 120.9 37.4 56.0#





#82

4-Chlorotoluene

Concen: 19.198 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.26 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

Instrument :

MSVOA_Y

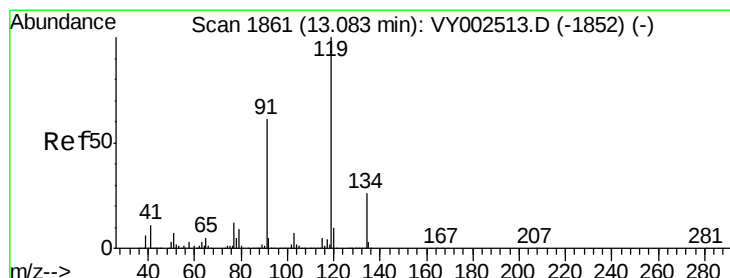
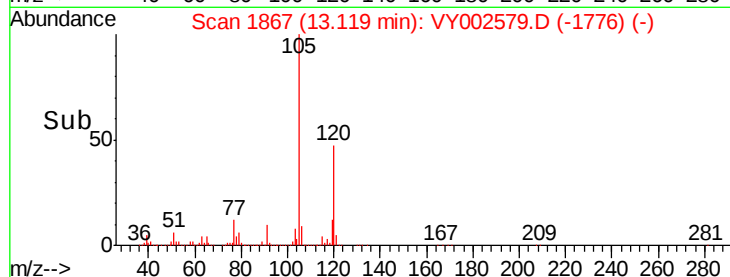
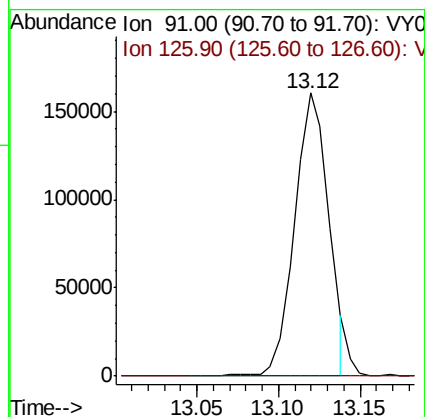
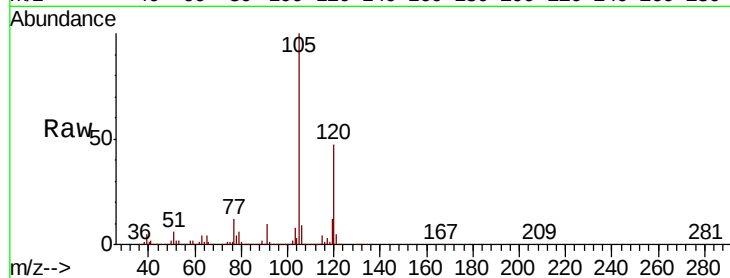
ClientSampleId :

Tot Ion: 91 Resp: 232314

Ion Ratio Lower Upper

91 100

126 0.0 18.5 55.5#



#83

tert-Butylbenzene

Concen: 22.666 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.04 min

Lab File: VY002579.D

Acq: 05 May 2020 12:06

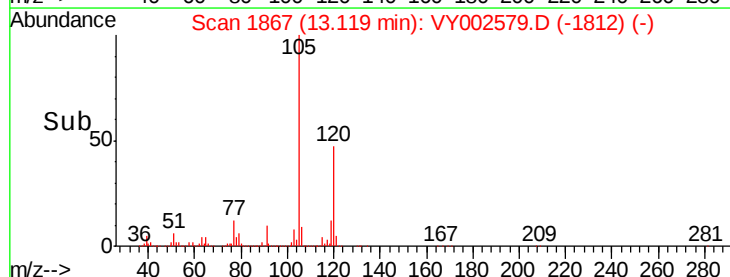
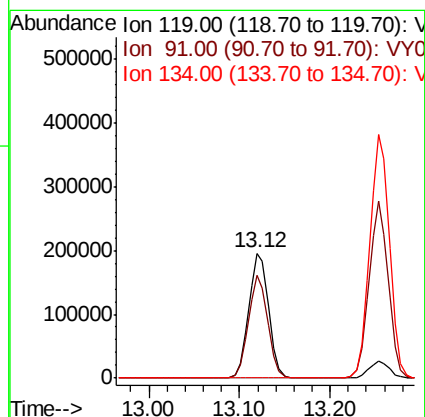
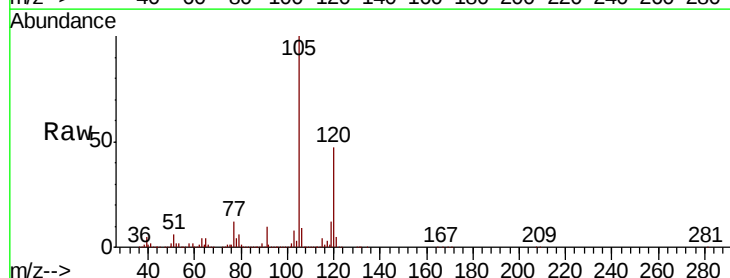
Tgt Ion: 119 Resp: 295224

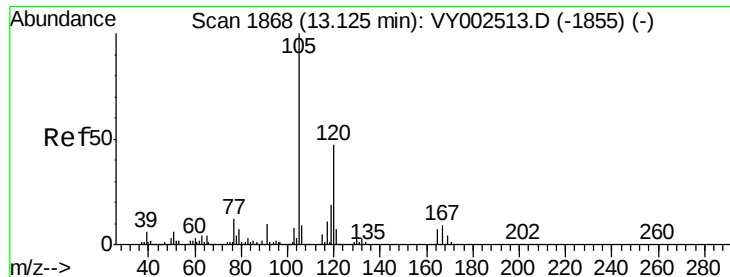
Ion Ratio Lower Upper

119 100

91 80.3 30.6 91.6

134 0.0 13.5 40.4#

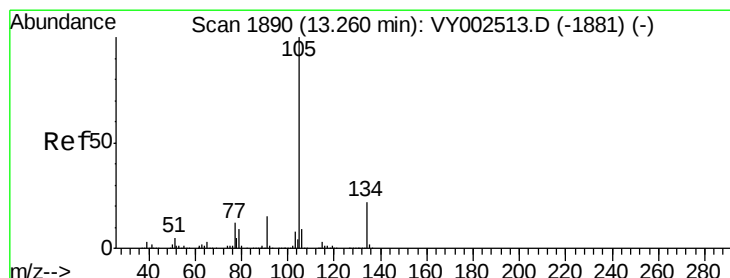
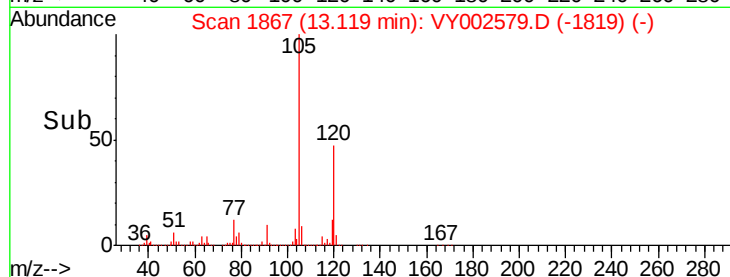
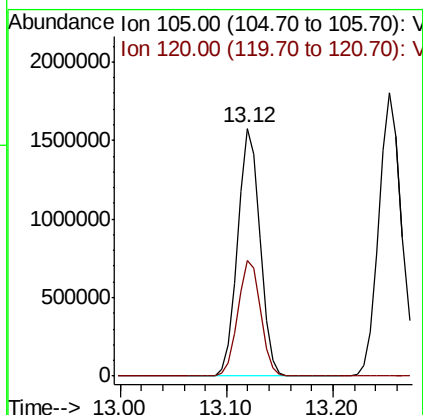
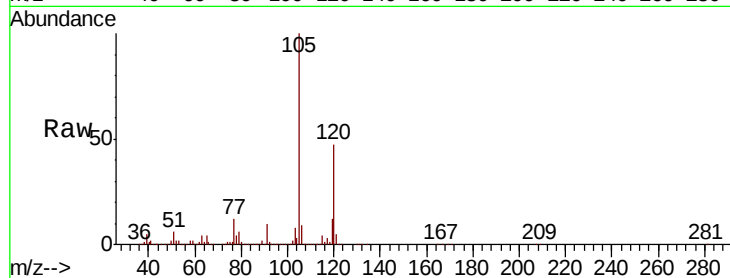




#84
 1,2,4-Trimethylbenzene
 Concen: 157.464 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: VY002579.D
 Acq: 05 May 2020 12:06

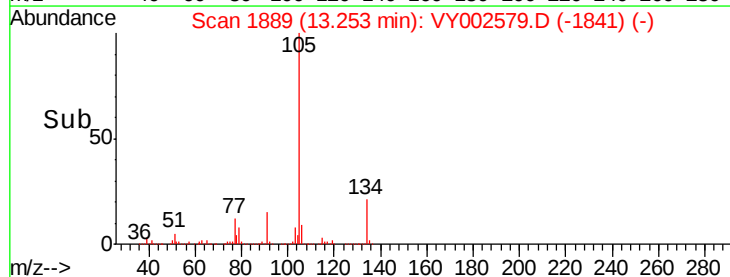
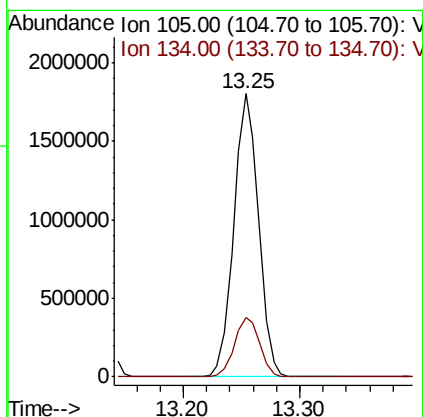
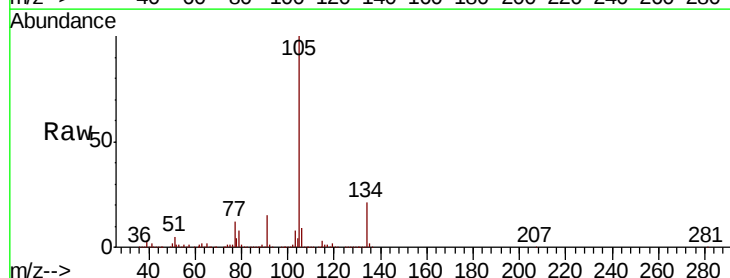
Instrument :
 MSVOA_Y
 ClientSampled :

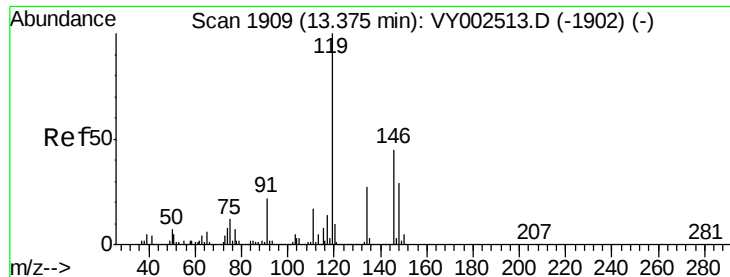
Tot Ion:105 Resp: 2331209
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 146.991 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VY002579.D
 Acq: 05 May 2020 12:06

Tgt Ion:105 Resp: 2656724
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.8 32.3

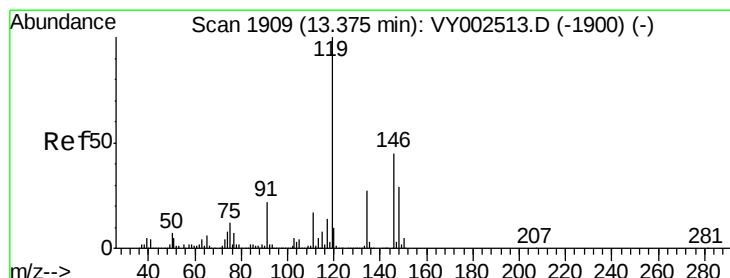
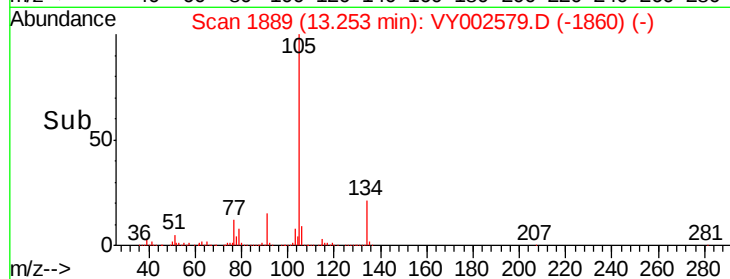
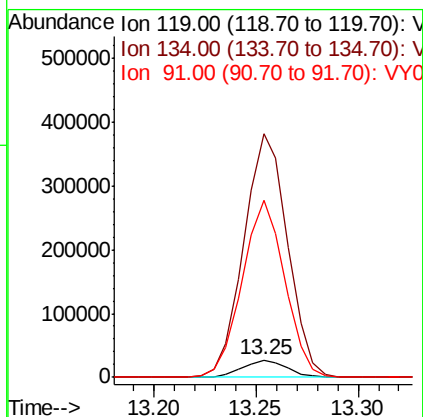
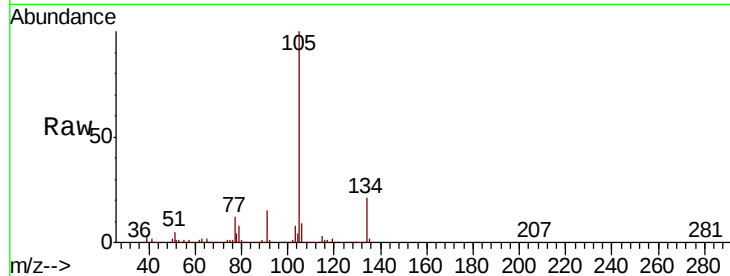




#86
 p-Isopropyltoluene
 Concen: 2.368 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.12 min
 Lab File: VY002579.D
 Acq: 05 May 2020 12:06

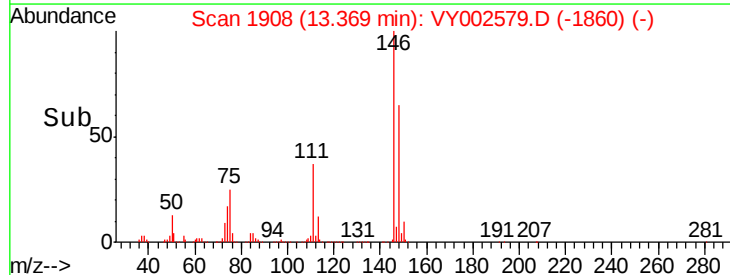
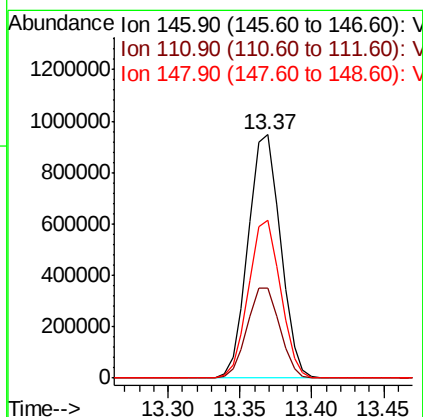
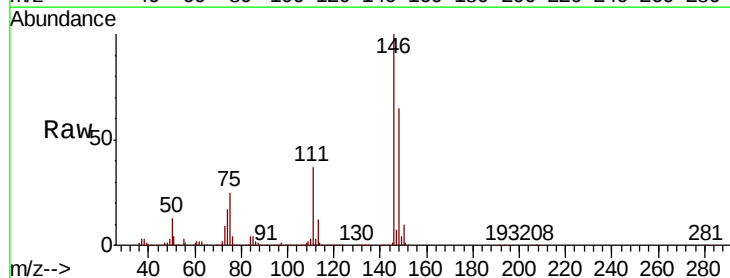
Instrument :
 MSVOA_Y
 ClientSampleId :

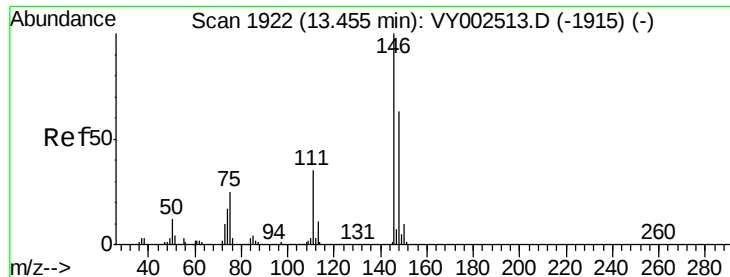
Tot Ion:119 Resp: 40104
 Ion Ratio Lower Upper
 119 100
 134 1422.7 13.5 40.5#
 91 1008.2 10.9 32.9#



#87
 1,3-Dichlorobenzene
 Concen: 174.092 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002579.D
 Acq: 05 May 2020 12:06

Tgt Ion:146 Resp: 1475272
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.8 56.3
 148 64.1 32.1 96.3

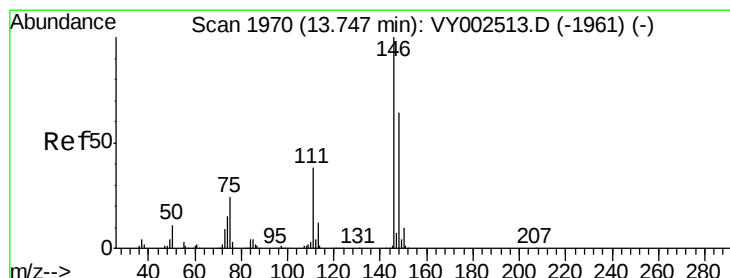
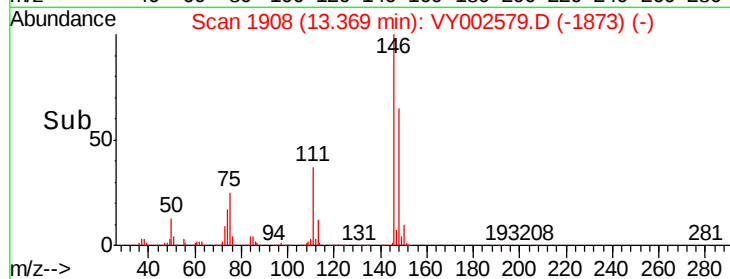
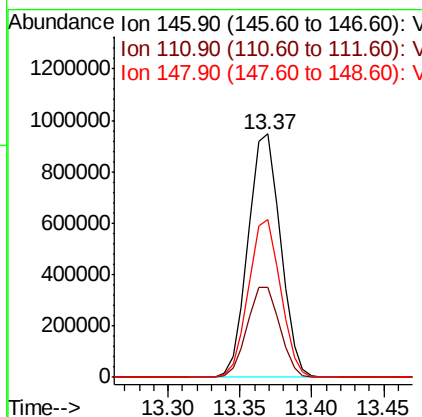
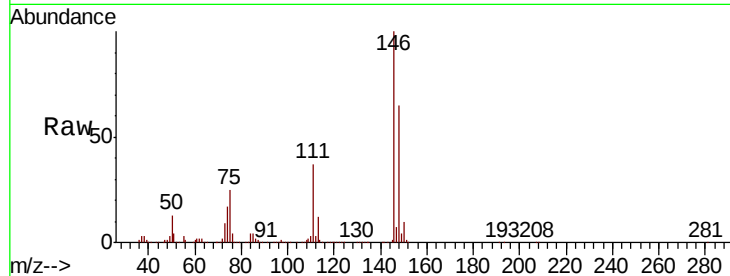




#88
 1,4-Dichlorobenzene
 Concen: 175.815 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.09 min
 Lab File: VY002579.D
 Acq: 05 May 2020 12:06

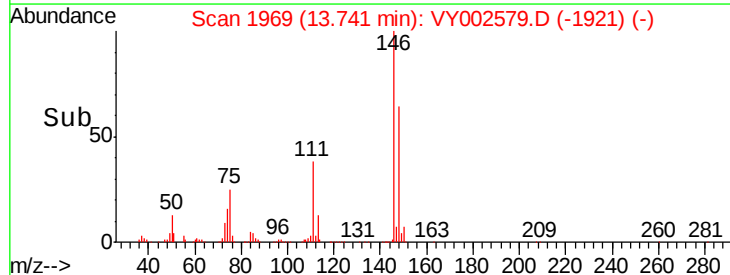
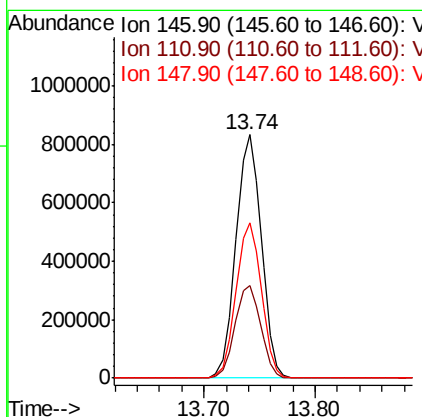
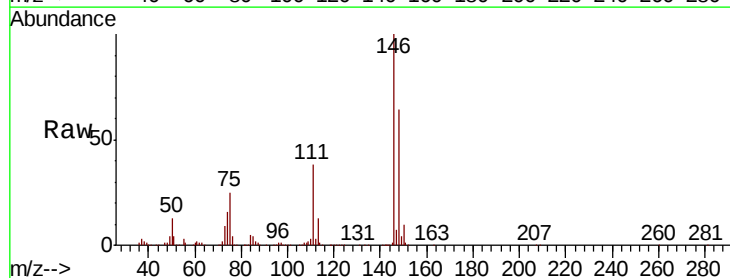
Instrument :
 MSVOA_Y
 ClientSampleId :

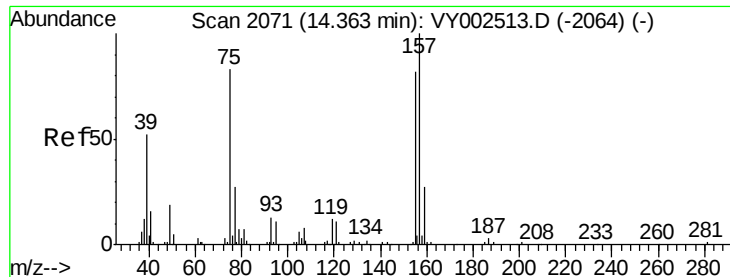
Tot Ion:146 Resp: 1475272
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.1 54.1
 148 64.1 31.9 95.5



#91
 1,2-Dichlorobenzene
 Concen: 173.942 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY002579.D
 Acq: 05 May 2020 12:06

Tgt Ion:146 Resp: 1315258
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.1 57.5
 148 63.7 31.9 95.7

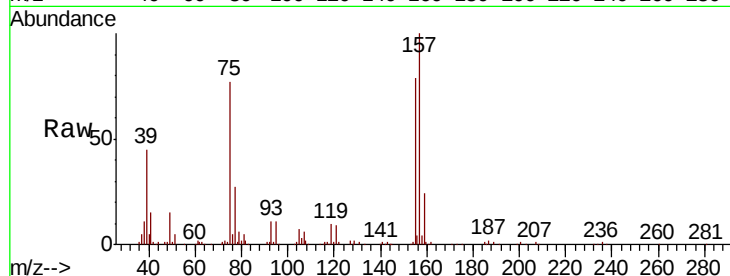




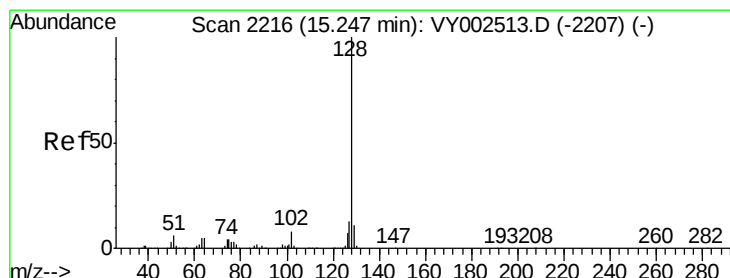
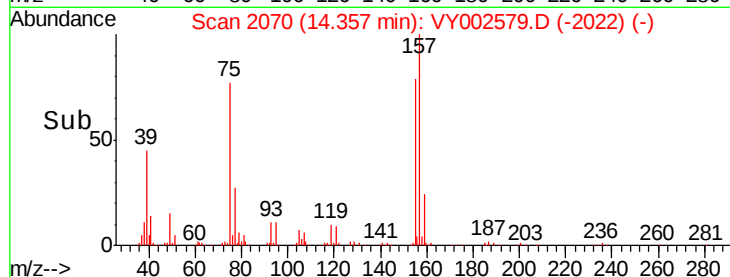
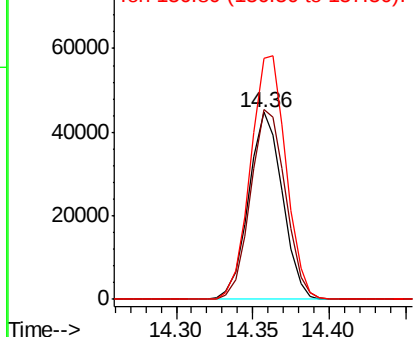
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 129.707 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY002579.D
 Acq: 05 May 2020 12:06

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 68910
 Ion Ratio Lower Upper
 75 100
 155 104.6 51.3 153.9
 157 136.2 65.0 195.0

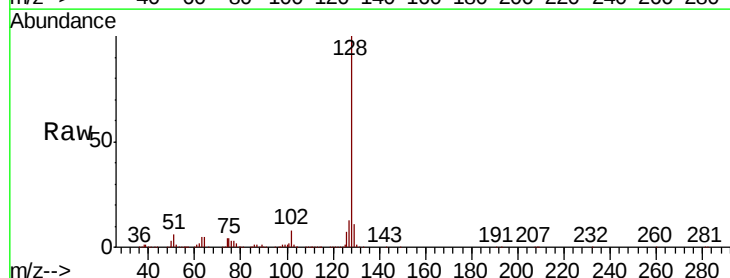


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V



#95
 Naphthalene
 Concen: 151.251 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. -0.01 min
 Lab File: VY002579.D
 Acq: 05 May 2020 12:06

Tgt Ion: 128 Resp: 1514721
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.5 15.7
 129 11.0 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

