

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002556.D
 Acq On : 04 May 2020 22:16
 Operator : SY/MD
 Sample : VY0504SBL02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBL02

Quant Time: May 05 07:14:03 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	7.82	168	384506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	601742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	547597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	280790	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	175059	54.15	ug/l	0.00
Spiked Amount			Recovery	=	108.30%	
35) Dibromofluoromethane	7.75	113	179355	52.12	ug/l	0.01
Spiked Amount			Recovery	=	104.24%	
50) Toluene-d8	10.19	98	681319	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.49	95	237819	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	

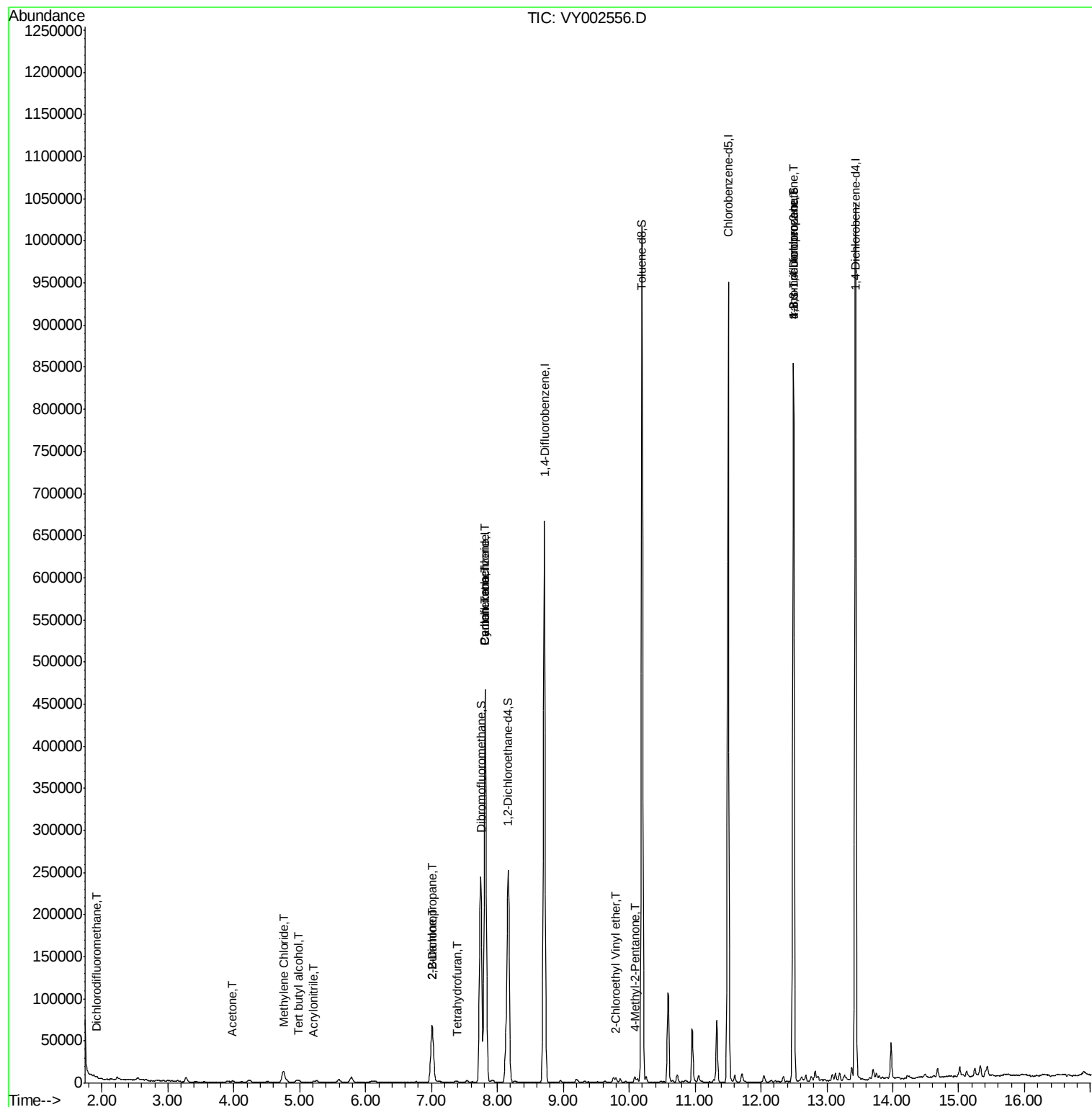
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	984	2.083	ug/l	76
11) Tert butyl alcohol	4.98	59	3905	11.740	ug/l #	77
15) Acrylonitrile	5.21	53	1214	1.374	ug/l	93
16) Acetone	3.98	43	2726	4.086	ug/l	91
20) Methylene Chloride	4.75	84	10012	2.683	ug/l	91
25) 2-Butanone	7.01	43	4211	3.856	ug/l #	78
26) 2,2-Dichloropropane	7.01	77	5954	1.085	ug/l #	56
29) Tetrahydrofuran	7.39	42	1115	1.543	ug/l	94
31) Cyclohexane	7.82	56	6889	1.186	ug/l #	1
38) Carbon Tetrachloride	7.82	117	34036	6.180	ug/l #	16
51) 4-Methyl-2-Pentanone	10.09	43	5152	2.057	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	2175	1.051	ug/l	89
76) 1,2,3-Trichloropropane	12.49	75	113200	45.365	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	113200	90.967	ug/l #	16

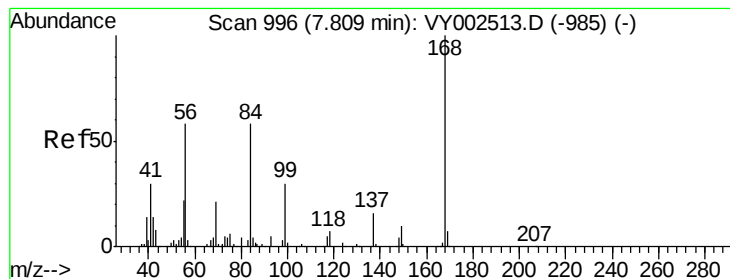
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002556.D

Acq: 04 May 2020 22:16

Instrument :

MSVOA_Y

ClientSampleId :

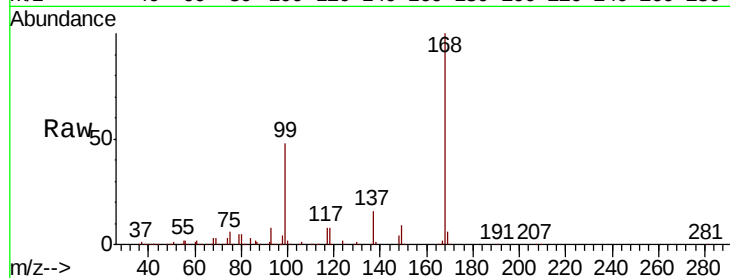
VY0504SBL02

Tot Ion:168 Resp: 384506

Ion Ratio Lower Upper

168 100

99 48.0 39.2 58.8



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

Ion 98.90 (98.60 to 99.60): VY002556.D (-947) (-)

7.82

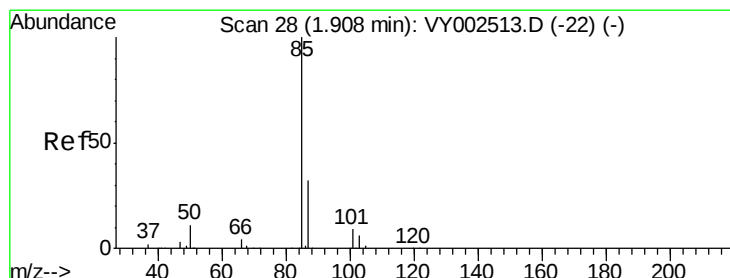
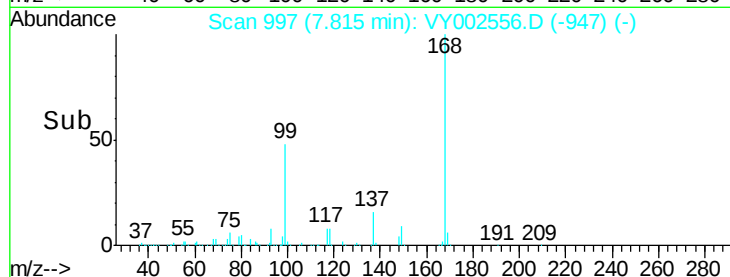
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.083 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002556.D

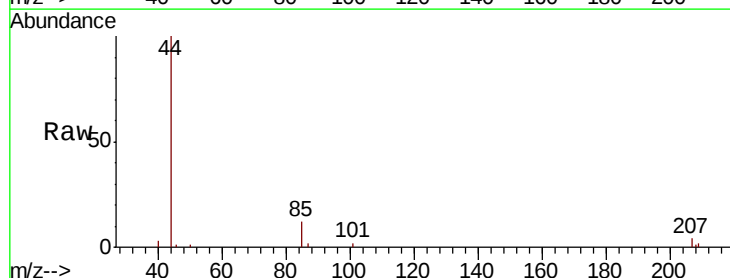
Acq: 04 May 2020 22:16

Tgt Ion: 85 Resp: 984

Ion Ratio Lower Upper

85 100

87 18.4 15.8 47.4



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

Ion 86.90 (86.60 to 87.60): VY002556.D (-1) (-)

1.91

800

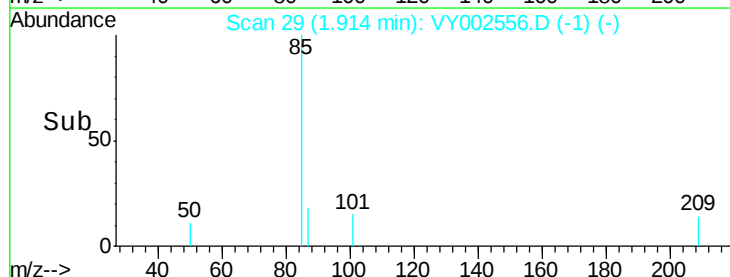
600

400

200

0

Time-->



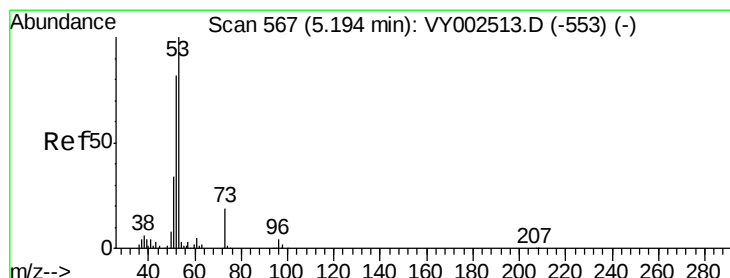
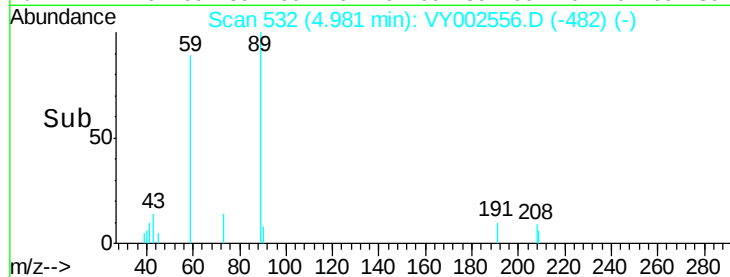
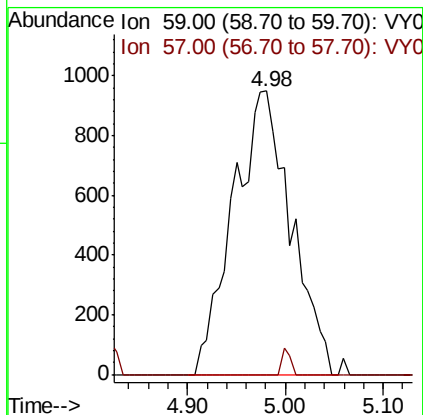
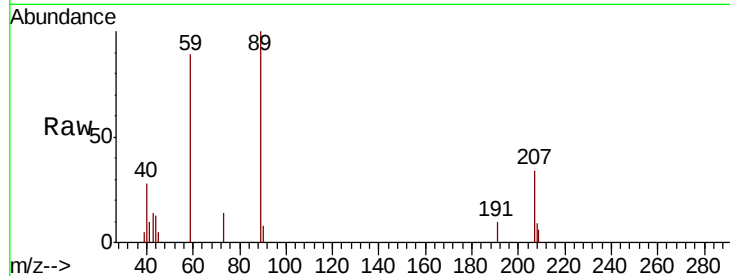


#11

Tert butyl alcohol
Concen: 11.740 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY002556.D
Acq: 04 May 2020 22:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBL02

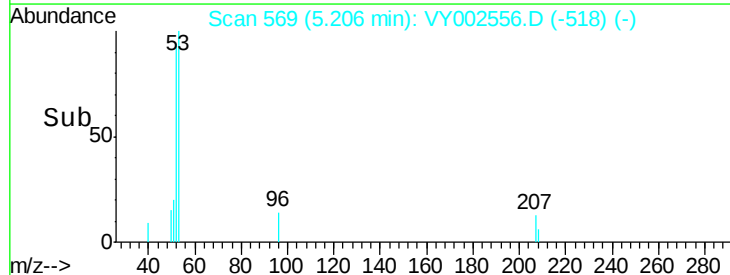
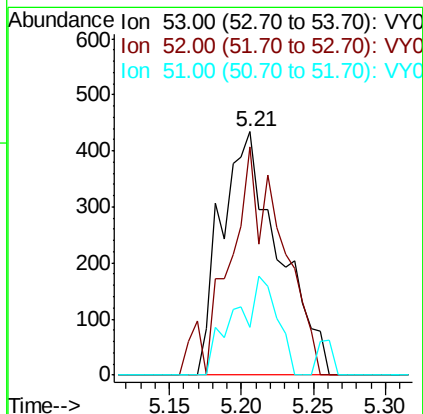
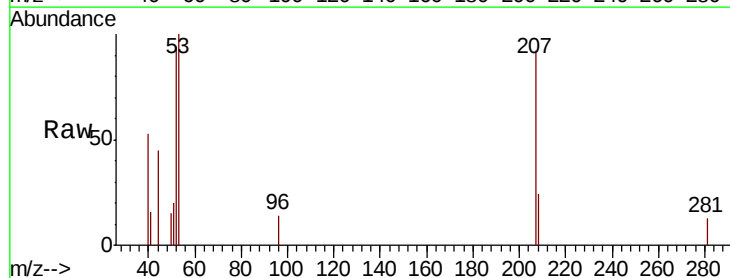
Tot Ion: 59 Resp: 3905
Ion Ratio Lower Upper
59 100
57 1.4 7.8 11.6#

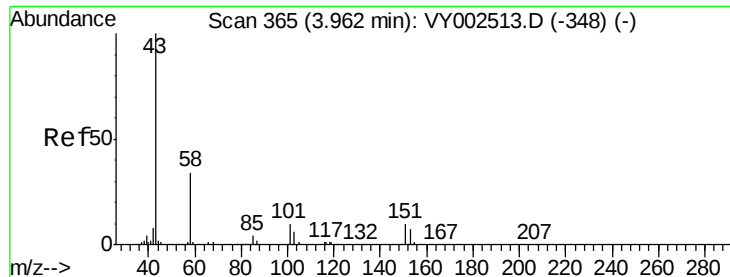


#15

Acrylonitrile
Concen: 1.374 ug/l
RT: 5.21 min Scan# 569
Delta R.T. 0.01 min
Lab File: VY002556.D
Acq: 04 May 2020 22:16

Tgt Ion: 53 Resp: 1214
Ion Ratio Lower Upper
53 100
52 86.2 65.4 98.0
51 29.7 28.7 43.1





#16

Acetone

Concen: 4.086 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.02 min

Lab File: VY002556.D

Acq: 04 May 2020 22:16

Instrument :

MSVOA_Y

ClientSampleId :

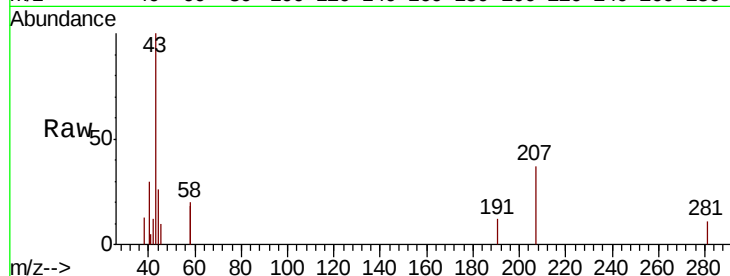
VY0504SBL02

Tot Ion: 43 Resp: 2726

Ion Ratio Lower Upper

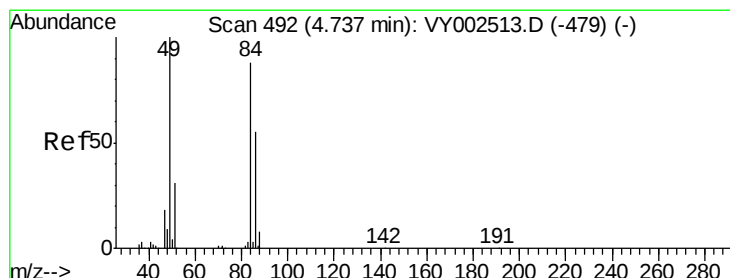
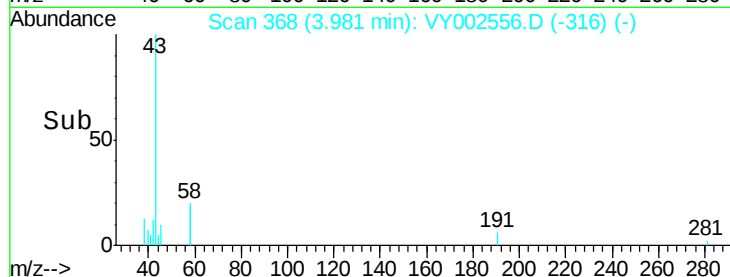
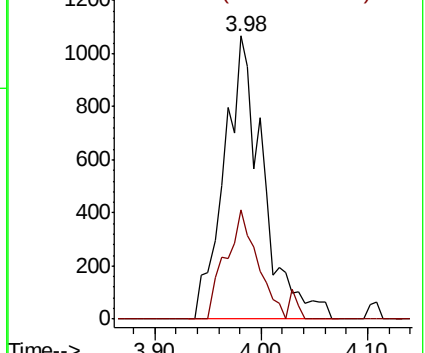
43 100

58 38.5 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 2.683 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.02 min

Lab File: VY002556.D

Acq: 04 May 2020 22:16

Tgt Ion: 84 Resp: 10012

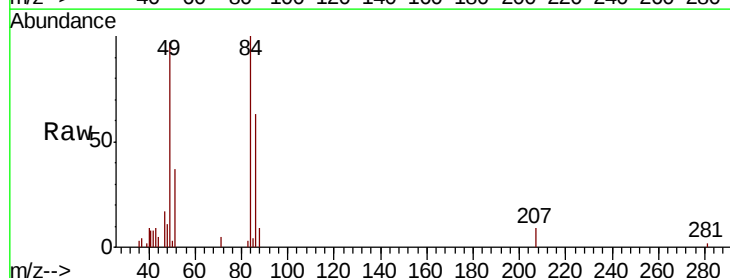
Ion Ratio Lower Upper

84 100

49 96.9 90.5 135.7

51 36.9 28.3 42.5

86 63.4 49.9 74.9

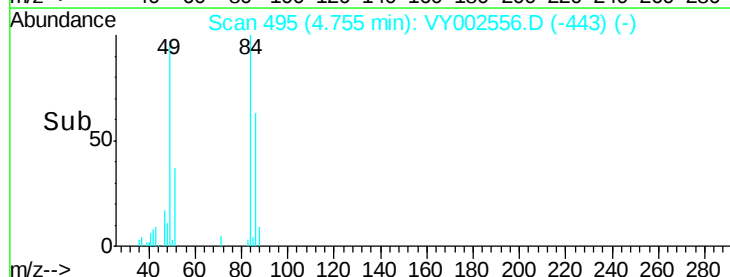
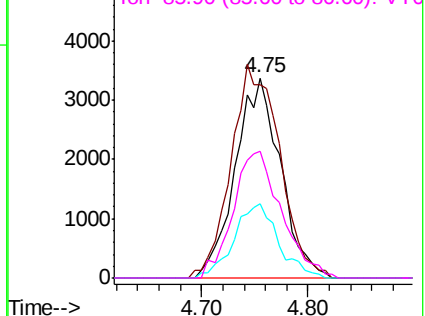


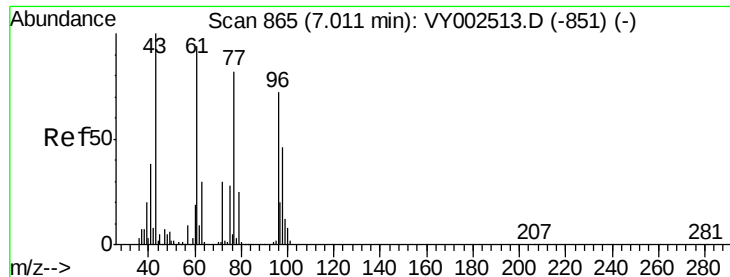
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

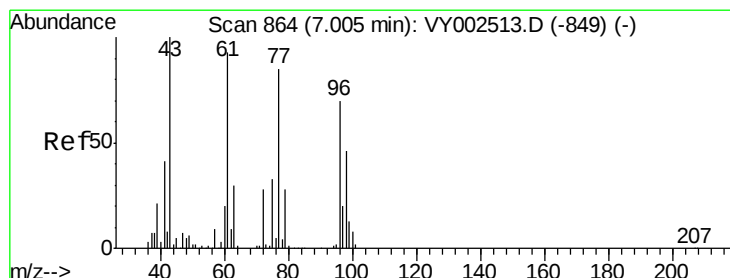
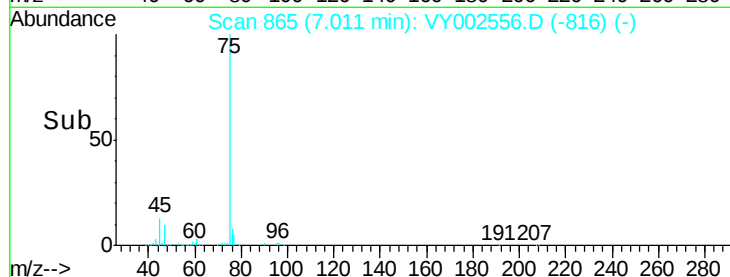
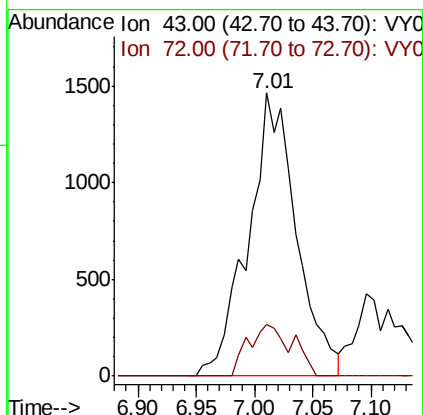
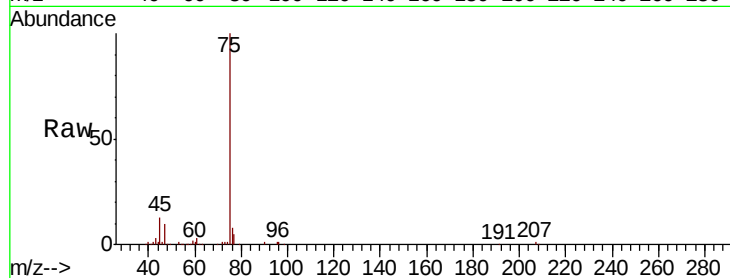




#25
 2-Butanone
 Concen: 3.856 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VY002556.D
 Acq: 04 May 2020 22:16

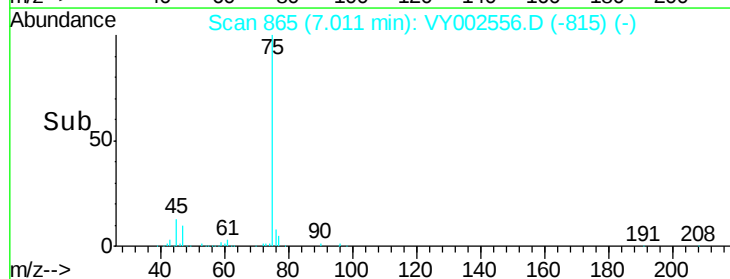
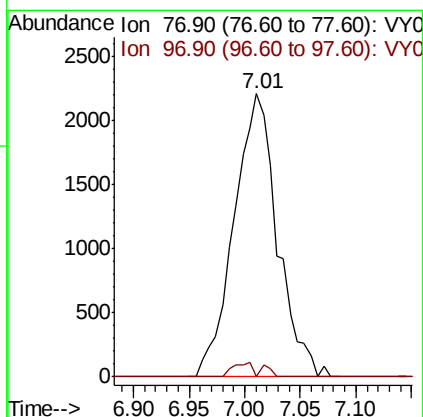
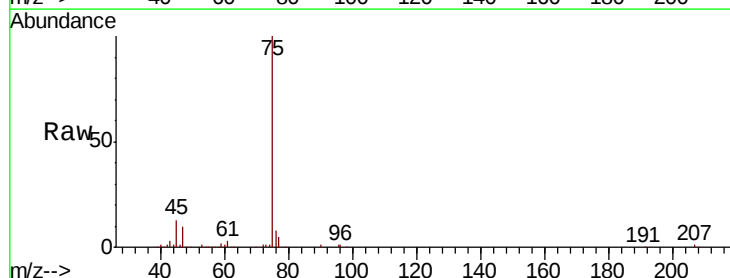
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBL02

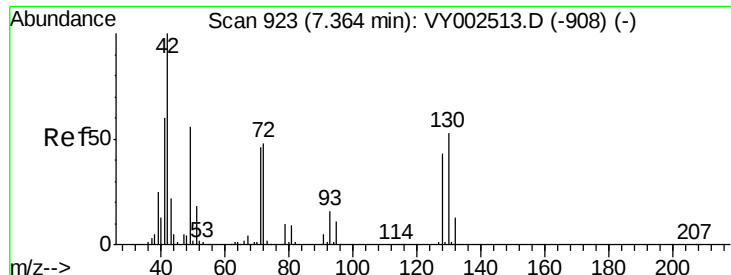
Tot Ion: 43 Resp: 4211
 Ion Ratio Lower Upper
 43 100
 72 18.0 24.1 36.1#



#26
 2,2-Dichloropropane
 Concen: 1.085 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VY002556.D
 Acq: 04 May 2020 22:16

Tgt Ion: 77 Resp: 5954
 Ion Ratio Lower Upper
 77 100
 97 2.3 11.9 35.5#

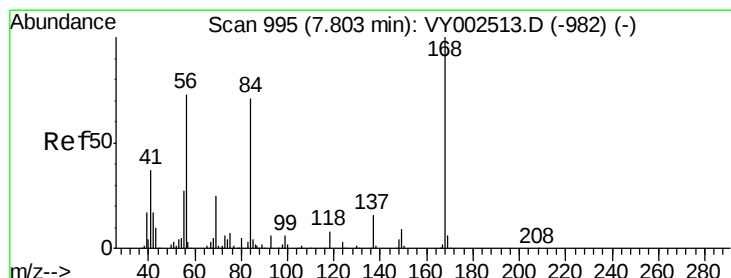
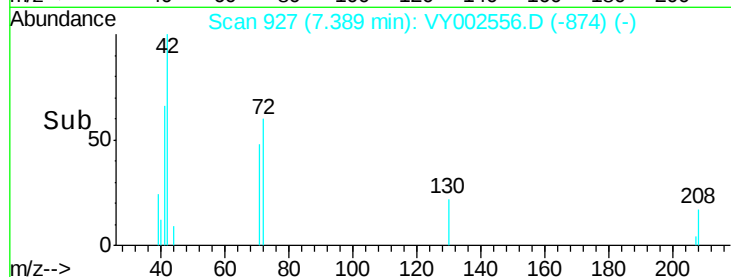
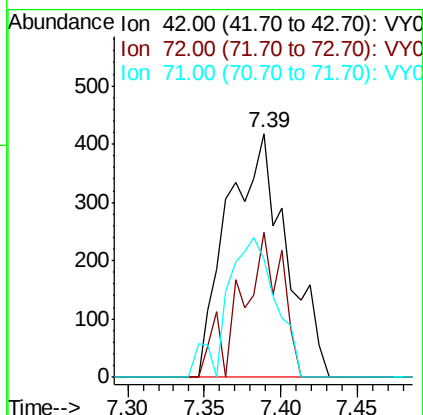
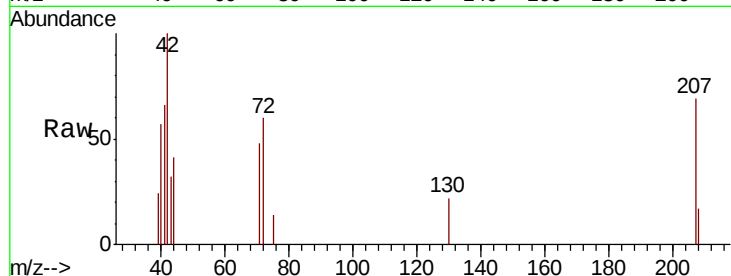




#29
Tetrahydrofuran
Concen: 1.543 ug/l
RT: 7.39 min Scan# 927
Delta R.T. 0.02 min
Lab File: VY002556.D
Acq: 04 May 2020 22:16

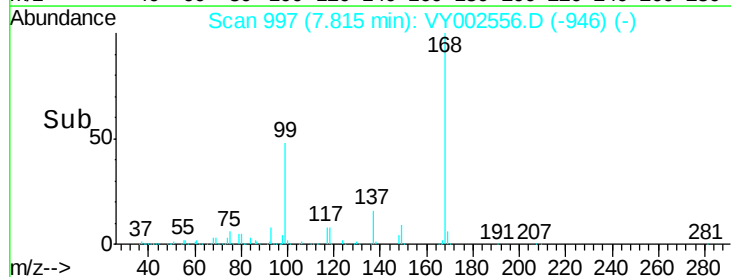
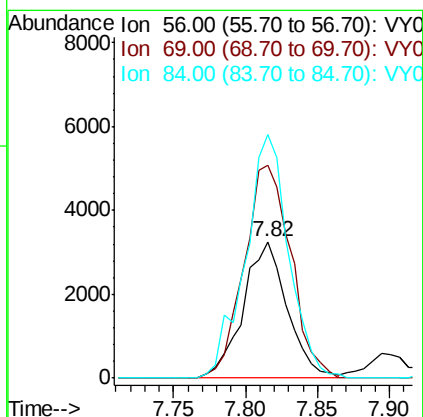
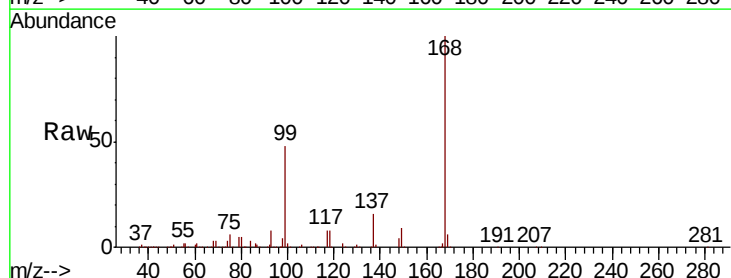
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBL02

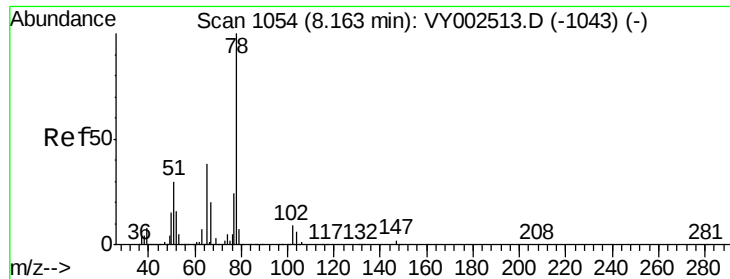
Tot Ion: 42 Resp: 1115
Ion Ratio Lower Upper
42 100
72 42.1 37.4 56.2
71 47.4 35.0 52.4



#31
Cyclohexane
Concen: 1.186 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY002556.D
Acq: 04 May 2020 22:16

Tgt Ion: 56 Resp: 6889
Ion Ratio Lower Upper
56 100
69 156.7 27.6 41.4#
84 178.7 77.7 116.5#

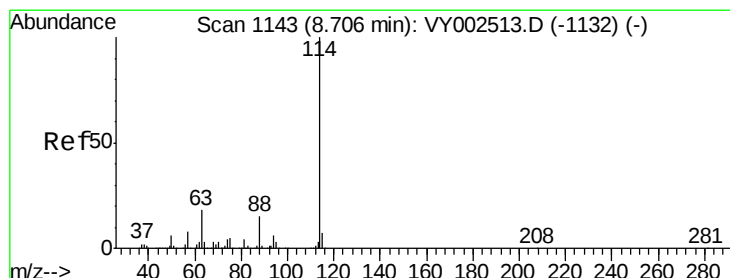
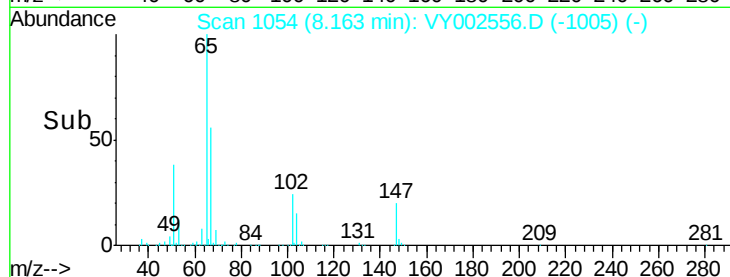
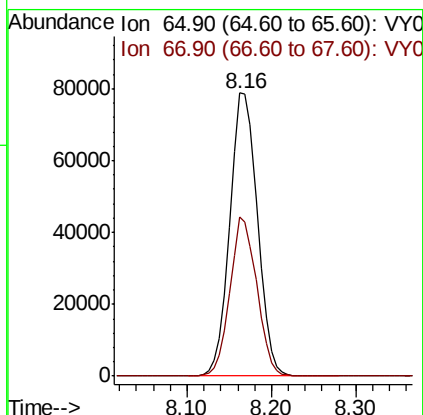
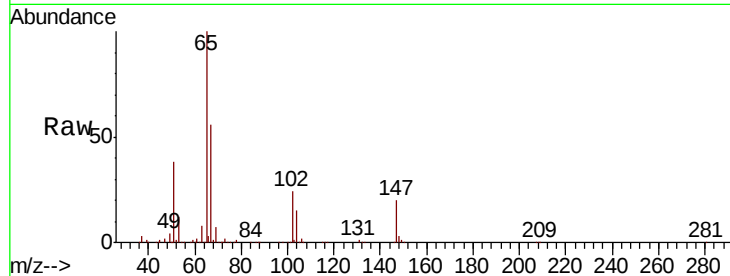




#33
 1,2-Dichloroethane-d4
 Concen: 54.148 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VY002556.D
 Acq: 04 May 2020 22:16

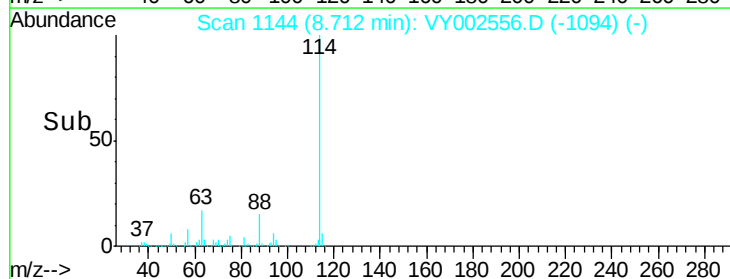
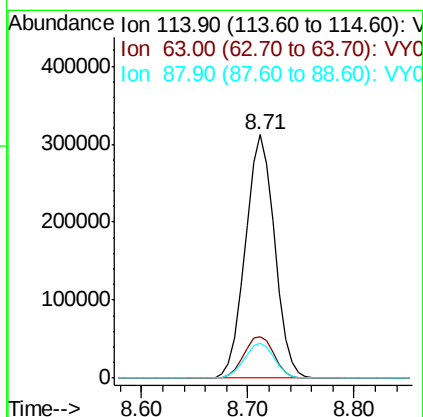
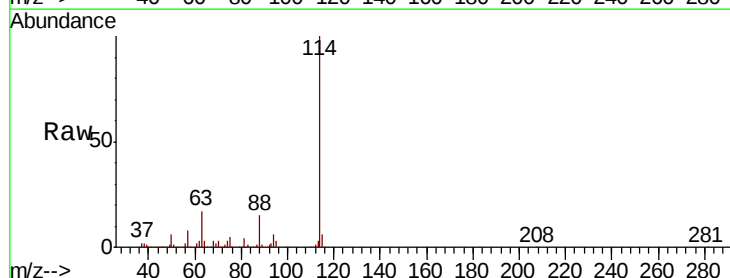
Instrument :
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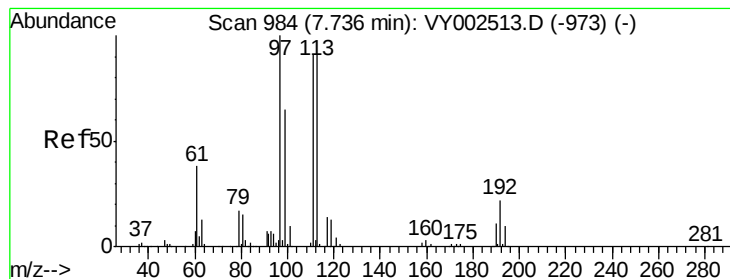
Tot Ion: 65 Resp: 175059
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002556.D
 Acq: 04 May 2020 22:16

Tgt Ion: 114 Resp: 601742
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 36.4
 88 14.6 0.0 29.6





#35

Dibromofluoromethane

Concen: 52.117 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY002556.D

Acq: 04 May 2020 22:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBL02

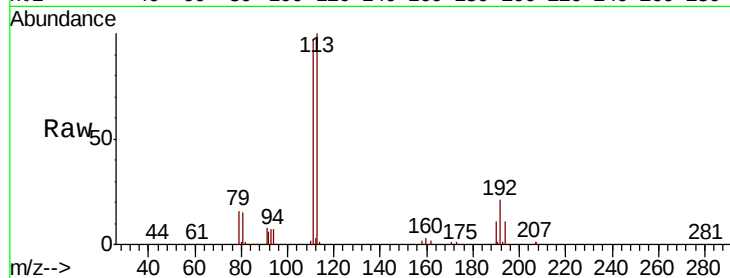
Tot Ion:113 Resp: 179355

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.6

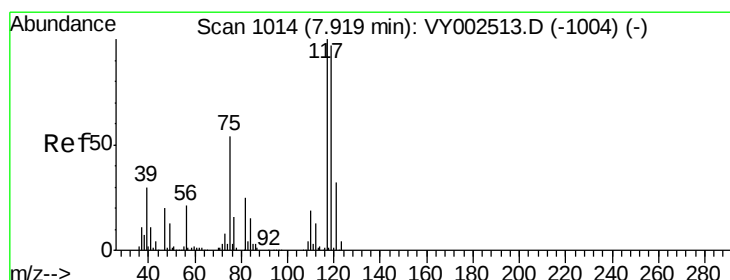
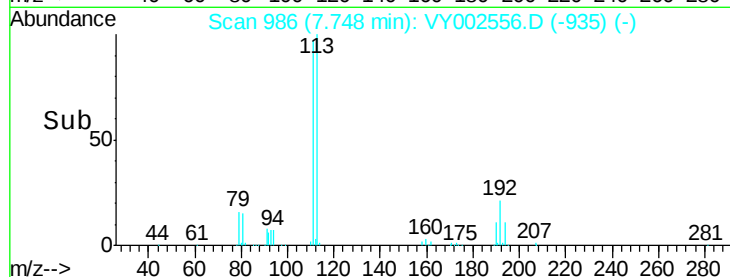
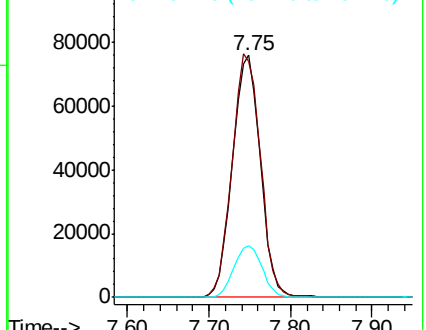
192 21.6 18.2 27.4



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



#38

Carbon Tetrachloride

Concen: 6.180 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.10 min

Lab File: VY002556.D

Acq: 04 May 2020 22:16

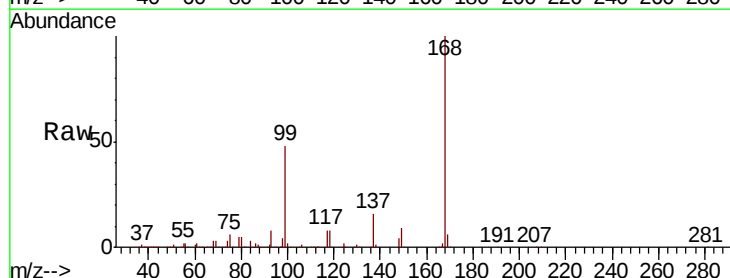
Tgt Ion:117 Resp: 34036

Ion Ratio Lower Upper

117 100

119 5.1 77.1 115.7#

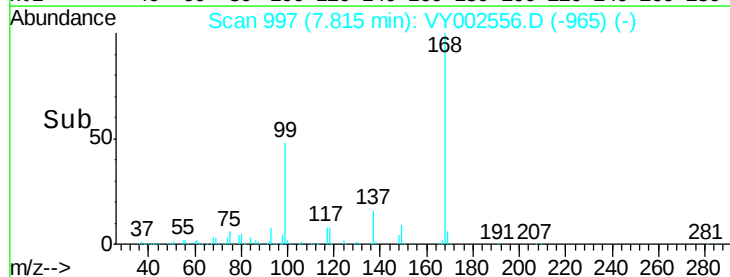
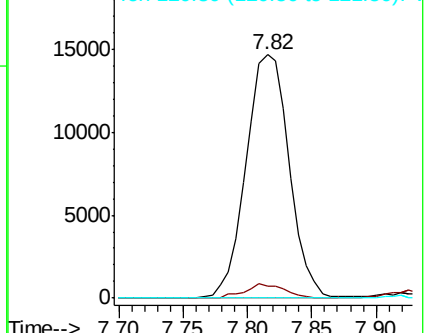
121 0.0 25.2 37.8#

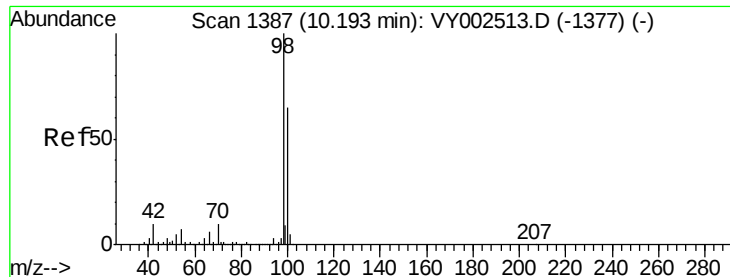


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.697 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY002556.D

Acq: 04 May 2020 22:16

Instrument :

MSVOA_Y

ClientSampleId :

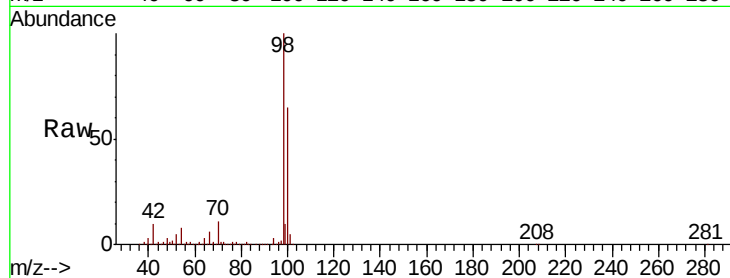
VY0504SBL02

Tot Ion: 98 Resp: 681319

Ion Ratio Lower Upper

98 100

100 65.2 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) (-)

10.19

400000

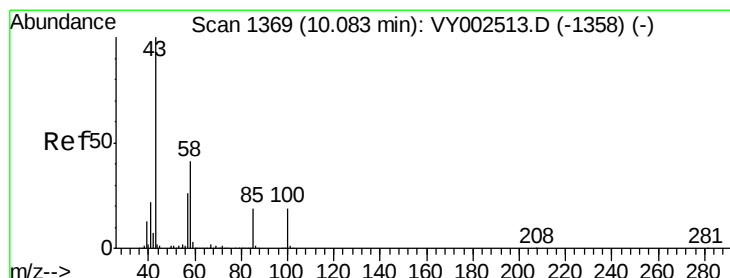
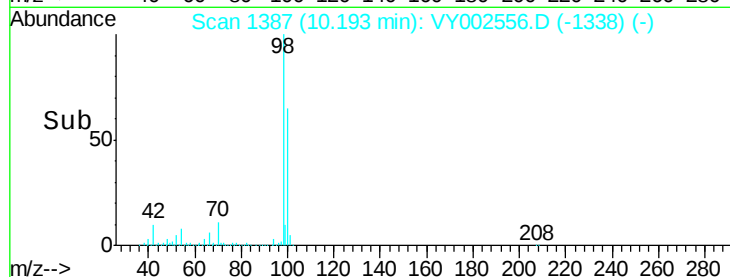
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.057 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY002556.D

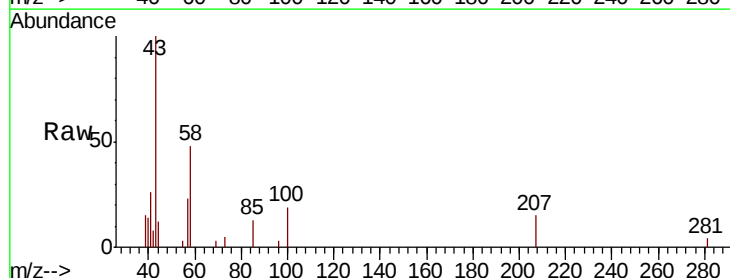
Acq: 04 May 2020 22:16

Tgt Ion: 43 Resp: 5152

Ion Ratio Lower Upper

43 100

58 41.9 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-1358) (-)

Ion 58.00 (57.70 to 58.70): VY002513.D (-1358) (-)

10.09

4000

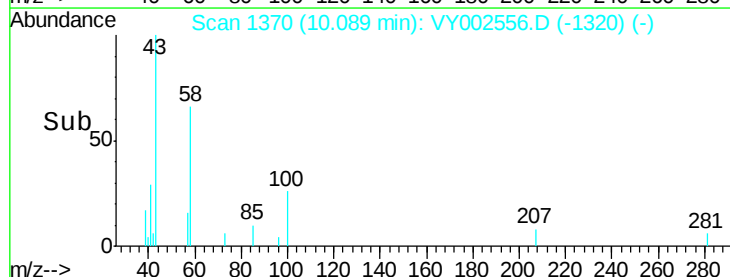
3000

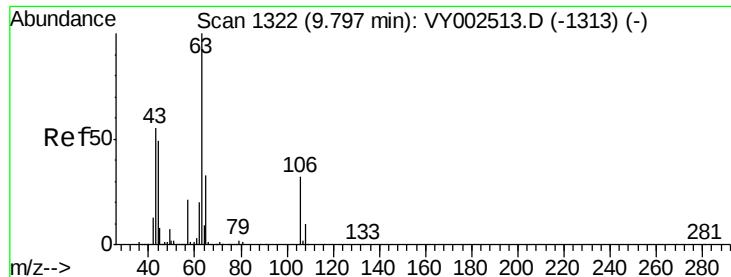
2000

1000

0

Time-->

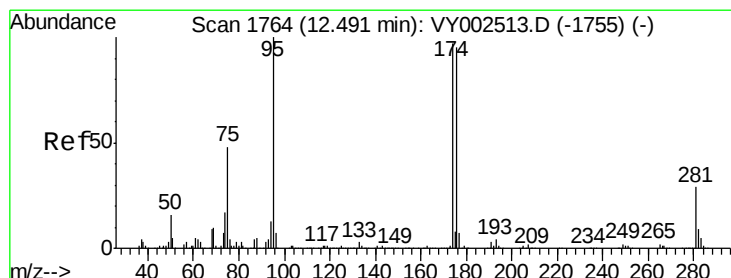
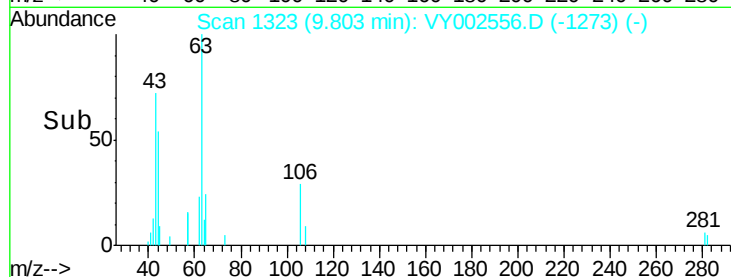
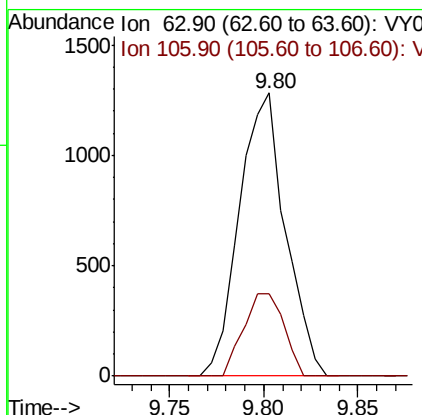
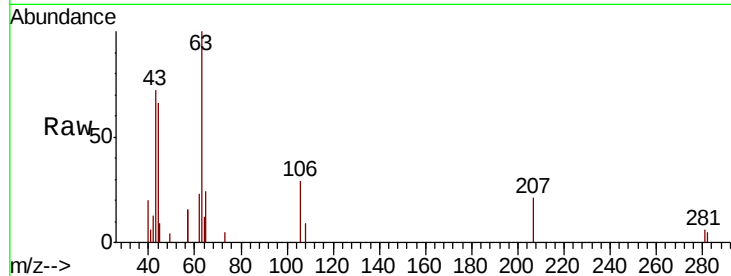




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.051 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY002556.D
 Acq: 04 May 2020 22:16

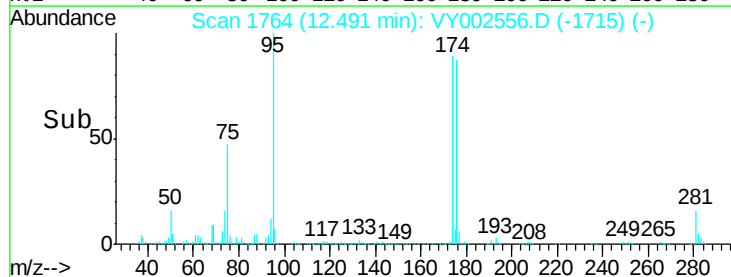
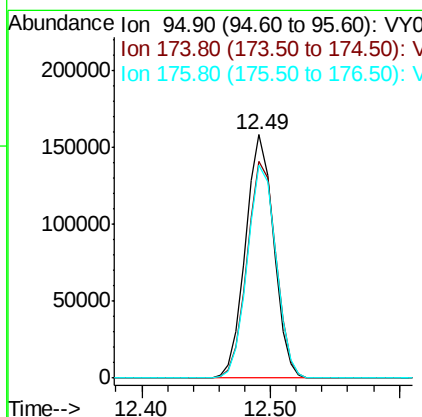
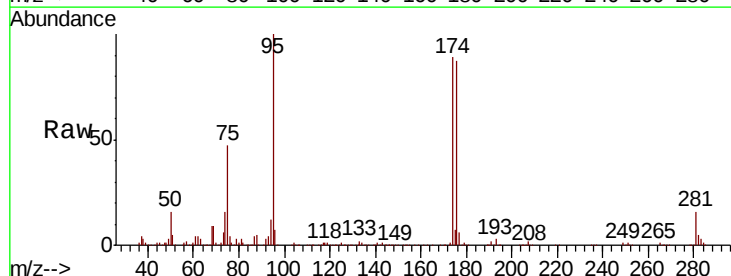
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBL02

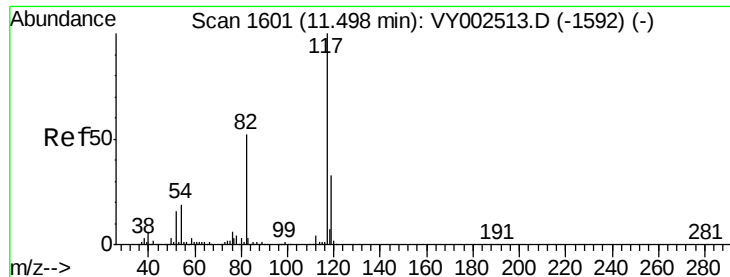
Tot Ion: 63 Resp: 2175
 Ion Ratio Lower Upper
 63 100
 106 25.6 25.2 37.8



#62
 4-Bromofluorobenzene
 Concen: 52.151 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002556.D
 Acq: 04 May 2020 22:16

Tgt Ion: 95 Resp: 237819
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 188.8
 176 88.8 0.0 183.2

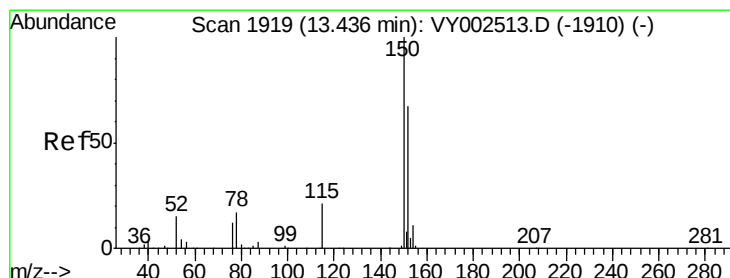
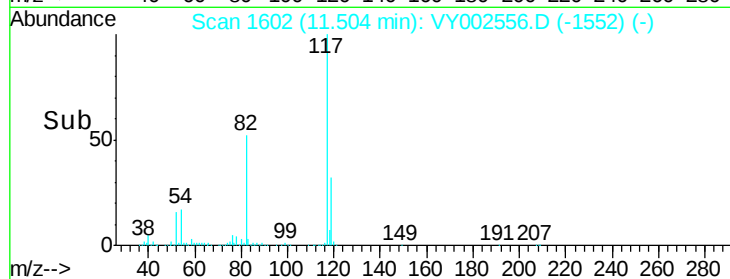
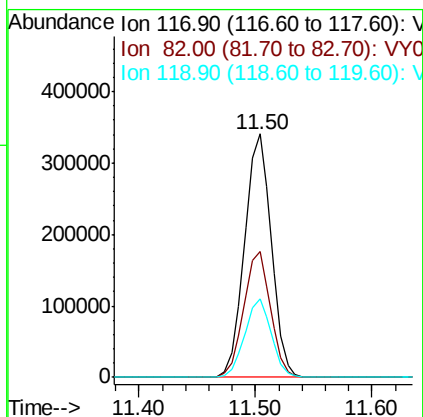
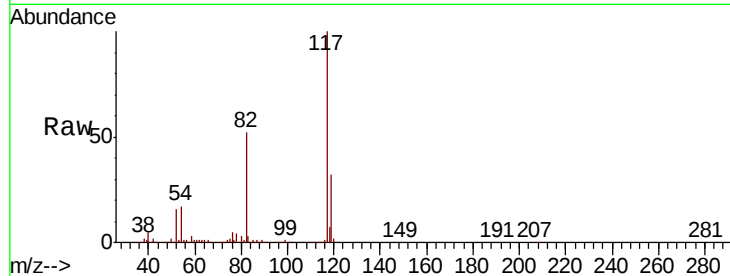




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002556.D
Acq: 04 May 2020 22:16

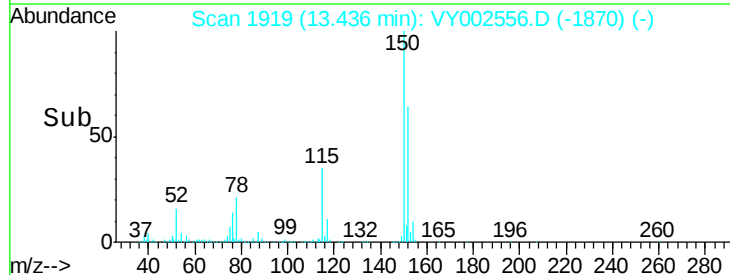
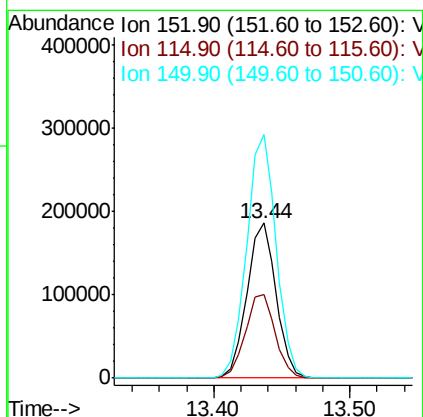
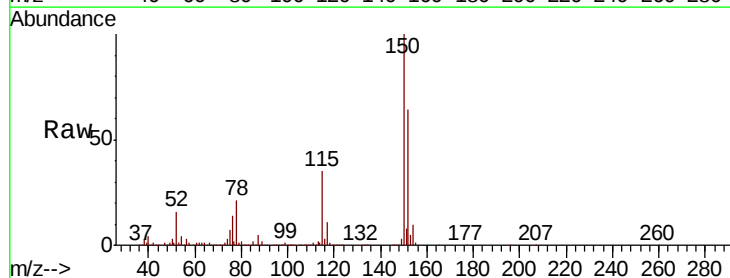
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBL02

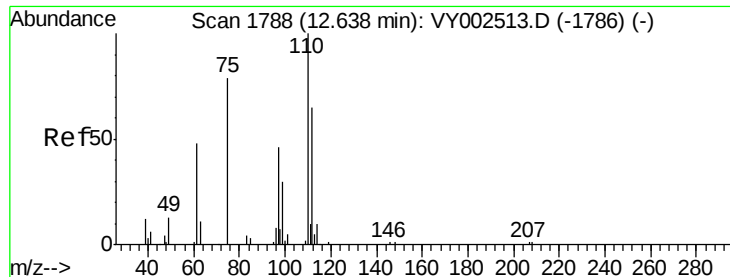
Tot Ion:117 Resp: 547597
Ion Ratio Lower Upper
117 100
82 51.7 41.3 61.9
119 32.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002556.D
Acq: 04 May 2020 22:16

Tgt Ion:152 Resp: 280790
Ion Ratio Lower Upper
152 100
115 55.0 27.5 82.4
150 157.7 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 45.365 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002556.D

Acq: 04 May 2020 22:16

Instrument :

MSVOA_Y

ClientSampleId :

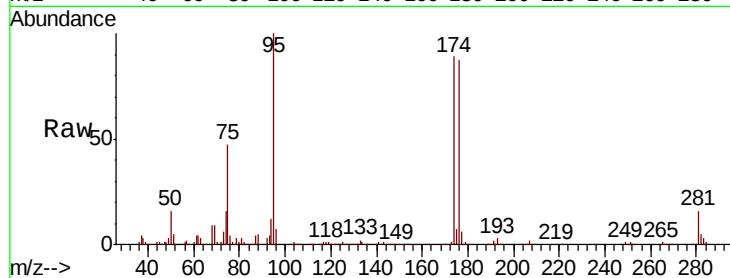
VY0504SBL02

Tot Ion: 75 Resp: 113200

Ion Ratio Lower Upper

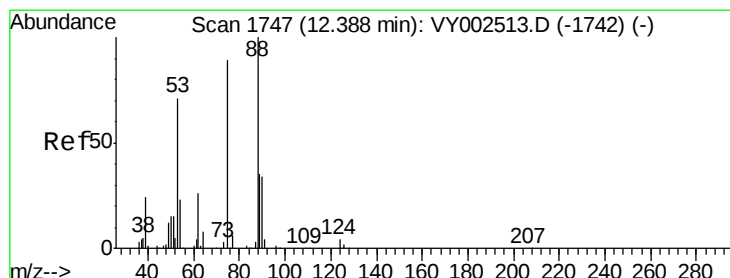
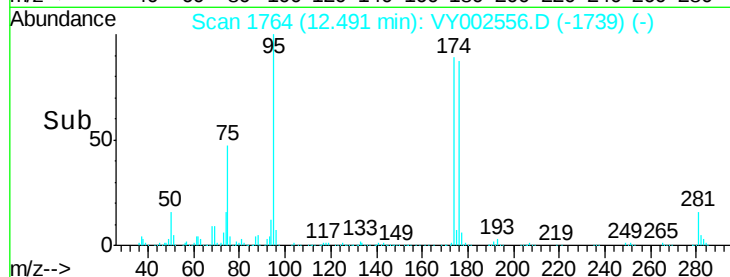
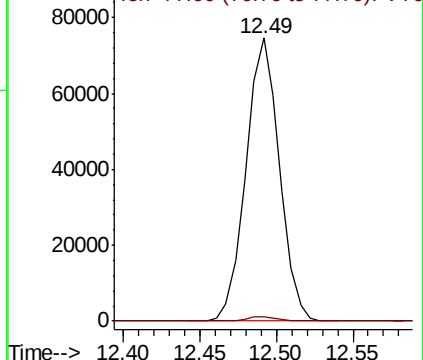
75 100

77 1.4 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: 90.967 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002556.D

Acq: 04 May 2020 22:16

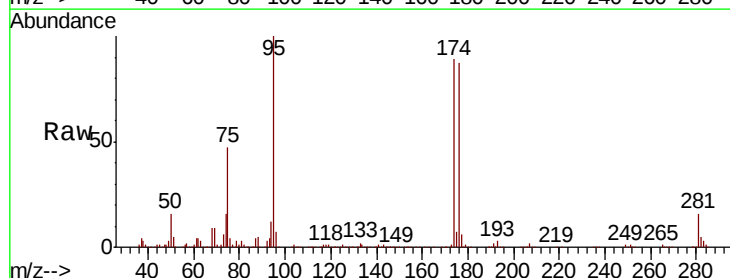
Tgt Ion: 75 Resp: 113200

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.5 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

