

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002535.D
 Acq On : 04 May 2020 13:04
 Operator : SY/MD
 Sample : L2452-01
 Misc : 6.67G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11976

Quant Time: May 05 07:05:02 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	209607	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	316209	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	253750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	106097	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	81791	46.41	ug/l	-0.02
Spiked Amount			Recovery	=	92.82%	
35) Dibromofluoromethane	7.72	113	91855	50.79	ug/l	-0.01
Spiked Amount			Recovery	=	101.58%	
50) Toluene-d8	10.18	98	361251	51.15	ug/l	-0.01
Spiked Amount			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.48	95	97565	40.71	ug/l	-0.01
Spiked Amount			Recovery	=	81.42%	

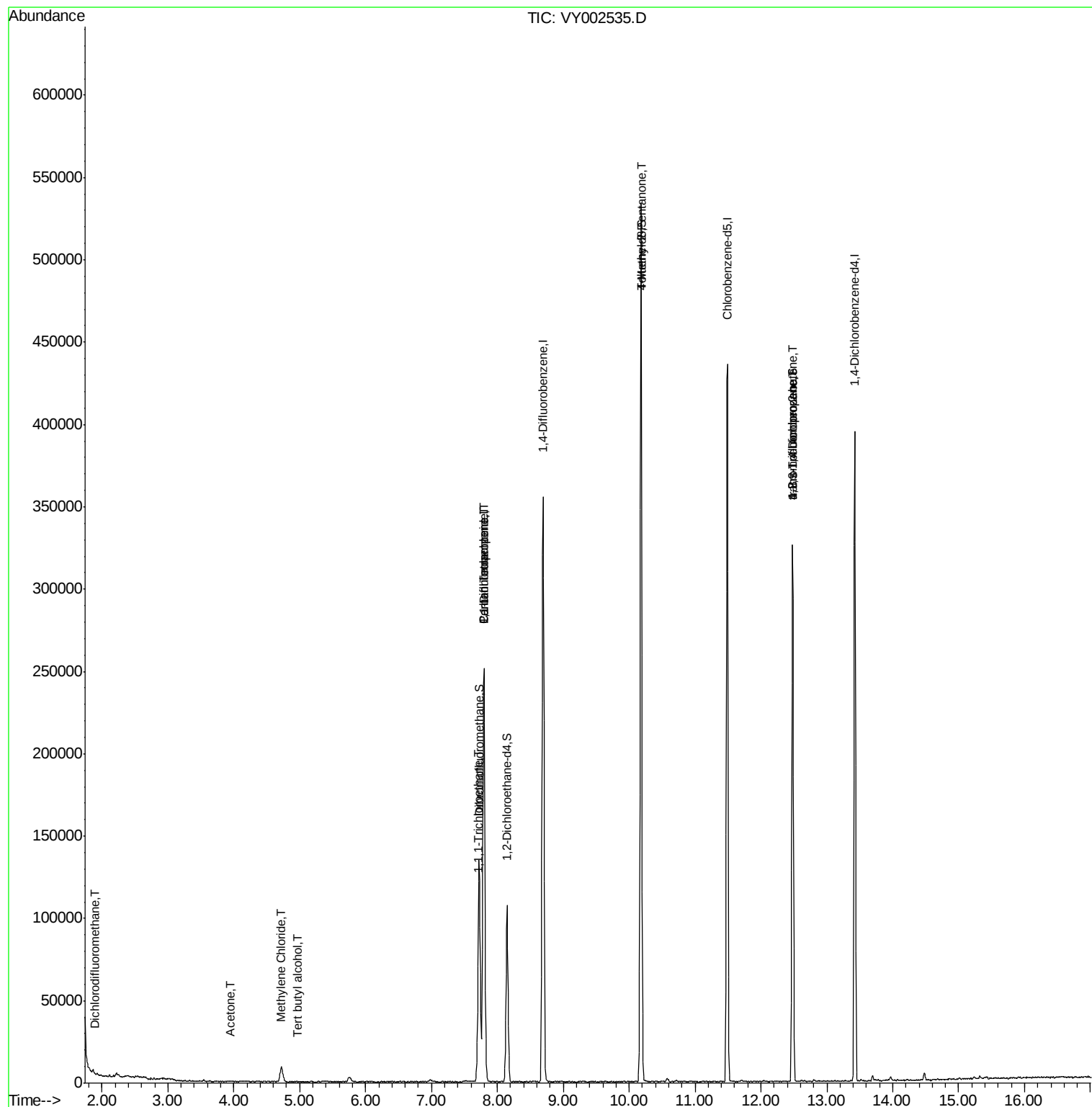
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.89	85	23	1.797	ug/l #	43
11) Tert butyl alcohol	4.96	59	182	1.004	ug/l #	74
16) Acetone	3.96	43	703	1.933	ug/l #	79
20) Methylene Chloride	4.72	84	7267	3.573	ug/l #	95
32) 1,1,1-Trichloroethane	7.71	97	6017	1.978	ug/l	98
36) 1,1-Dichloropropene	7.79	75	13642	5.146	ug/l #	49
38) Carbon Tetrachloride	7.80	117	18109	6.257	ug/l #	16
51) 4-Methyl-2-Pentanone	10.18	43	1402	1.065	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	46440	49.255	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	46440	98.766	ug/l #	15

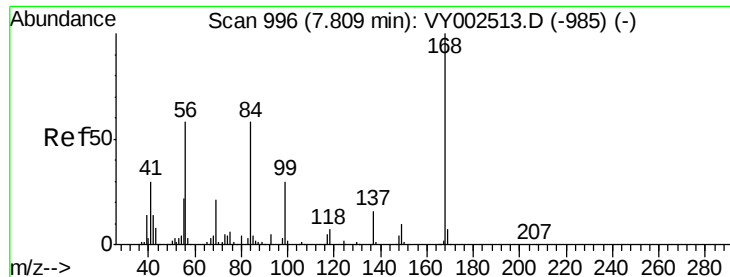
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002535.D

Acq: 04 May 2020 13:04

Instrument :

MSVOA_Y

ClientSampleId :

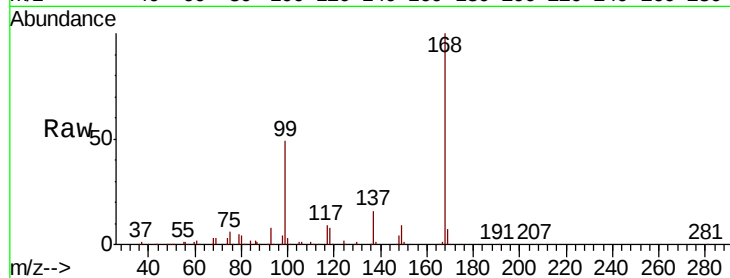
72-11976

Tot Ion:168 Resp: 209607

Ion Ratio Lower Upper

168 100

99 48.6 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

100000

80000

60000

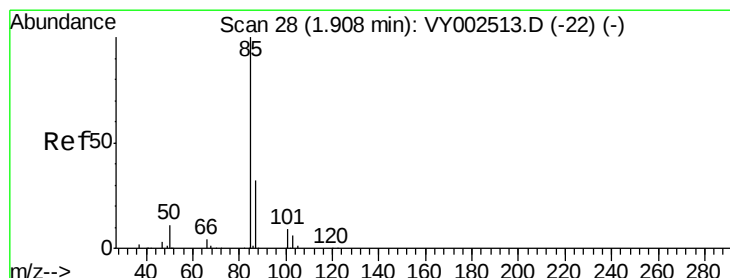
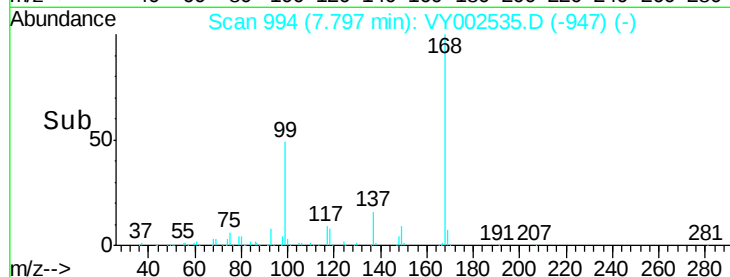
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 1.797 ug/l

RT: 1.89 min Scan# 25

Delta R.T. -0.02 min

Lab File: VY002535.D

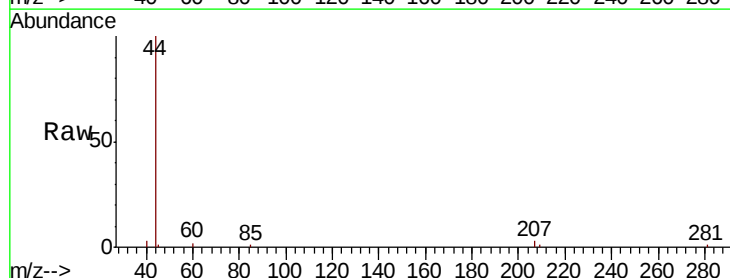
Acq: 04 May 2020 13:04

Tgt Ion: 85 Resp: 23

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) (-)

1.89

60

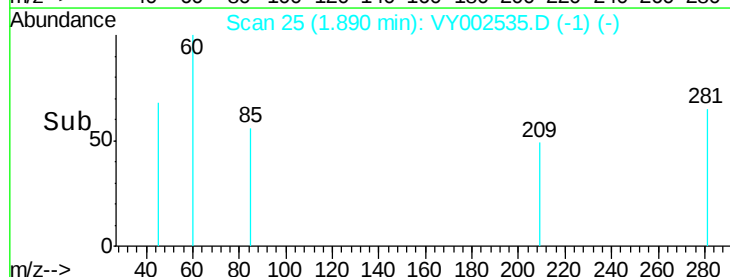
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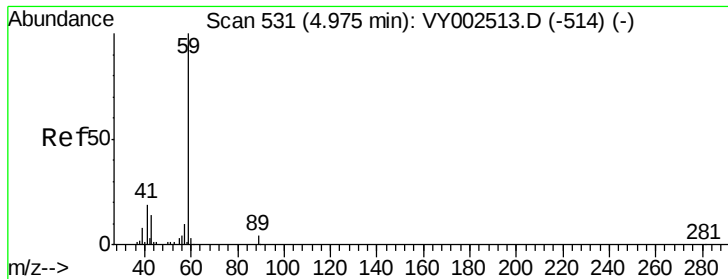
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0

1.87 1.88 1.89 1.90 1.91

Time-->

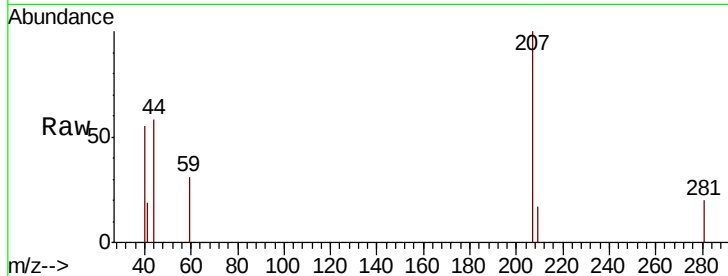




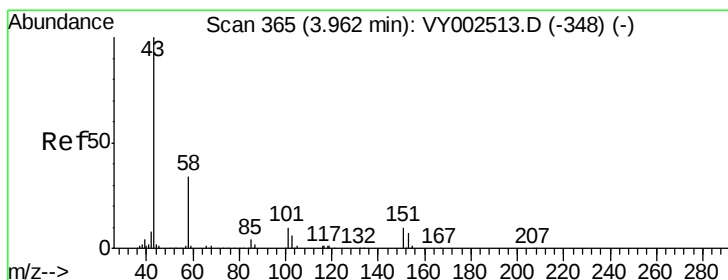
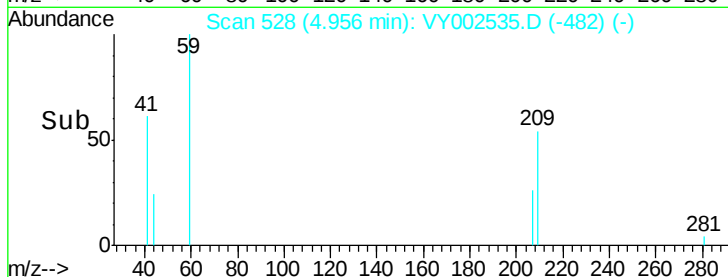
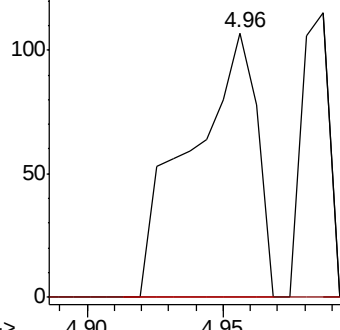
#11
Tert butvl alcohol
Concen: 1.004 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.02 min
Lab File: VY002535.D
Acq: 04 May 2020 13:04

Instrument :
MSVOA_Y
ClientSampleId :
72-11976

Tot Ion: 59 Resp: 182
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

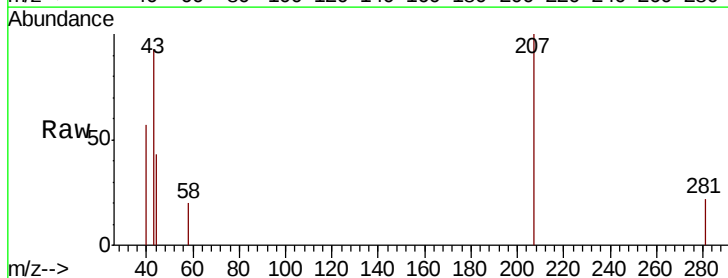


Abundance Ion 59.00 (58.70 to 59.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

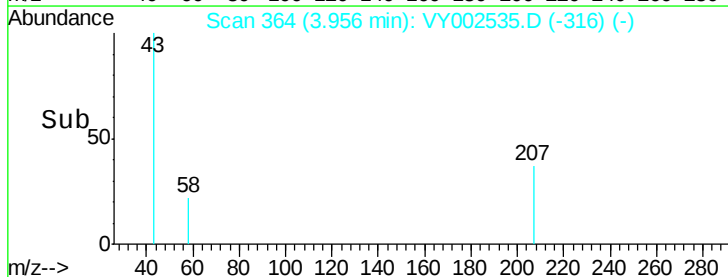
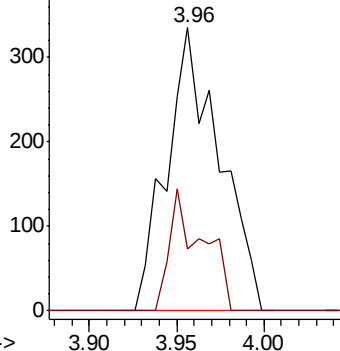


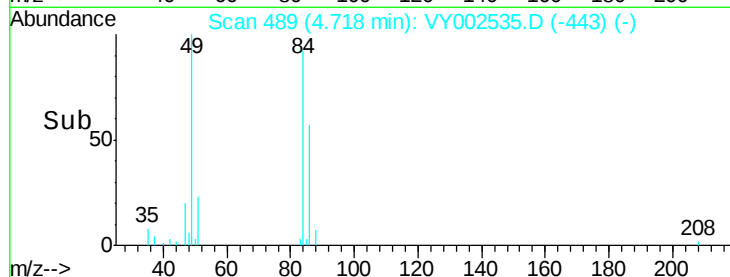
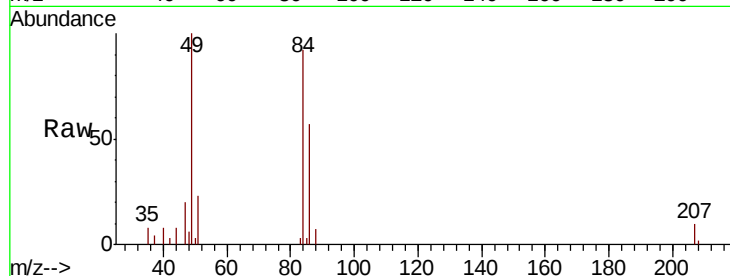
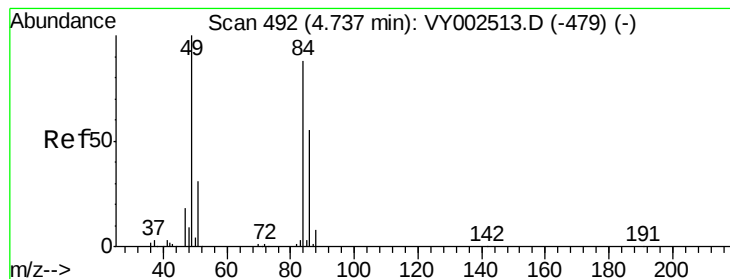
#16
Acetone
Concen: 1.933 ug/l
RT: 3.96 min Scan# 364
Delta R.T. -0.01 min
Lab File: VY002535.D
Acq: 04 May 2020 13:04

Tgt Ion: 43 Resp: 703
Ion Ratio Lower Upper
43 100
58 21.8 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: 3.573 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.02 min

Lab File: VY002535.D

Acq: 04 May 2020 13:04

Instrument :

MSVOA_Y

ClientSampleId :

72-11976

Tot Ion: 84 Resp: 7267

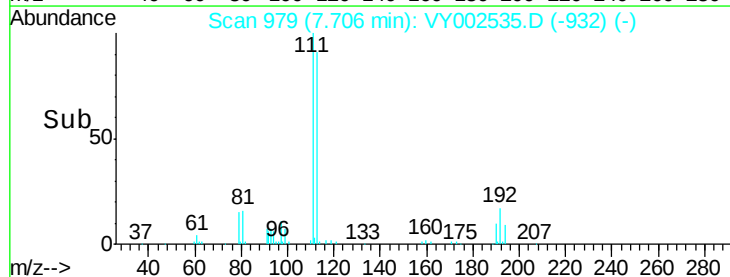
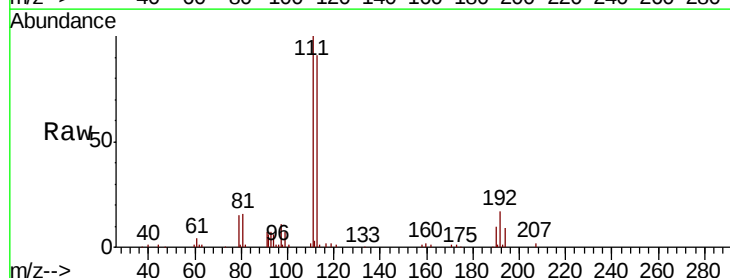
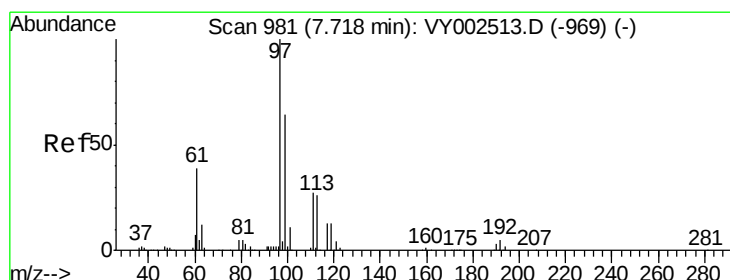
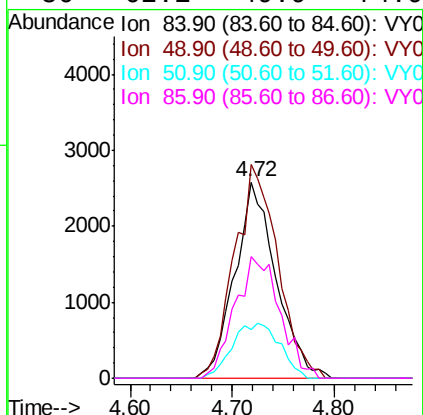
Ion Ratio Lower Upper

84 100

49 108.9 90.5 135.7

51 24.5 28.3 42.5#

86 62.1 49.9 74.9



#32

1,1,1-Trichloroethane

Concen: 1.978 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY002535.D

Acq: 04 May 2020 13:04

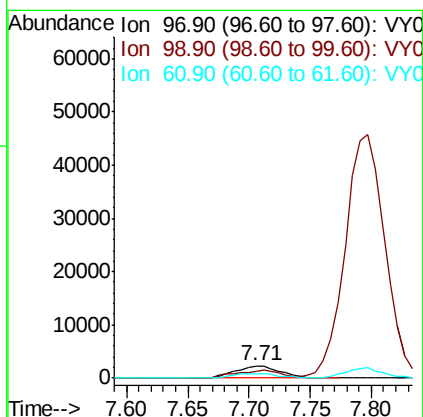
Tgt Ion: 97 Resp: 6017

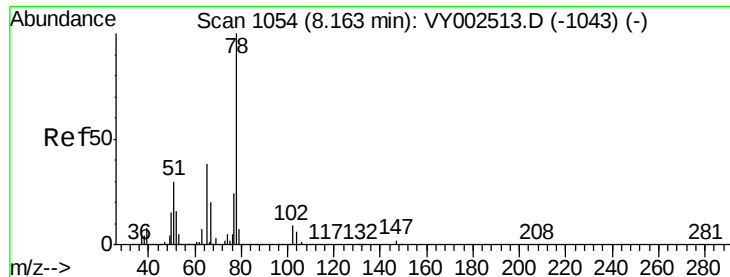
Ion Ratio Lower Upper

97 100

99 63.5 51.9 77.9

61 40.0 31.0 46.6

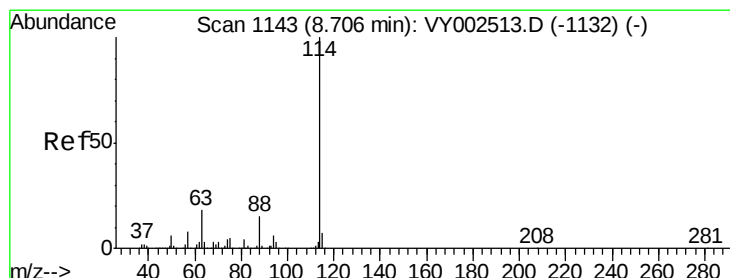
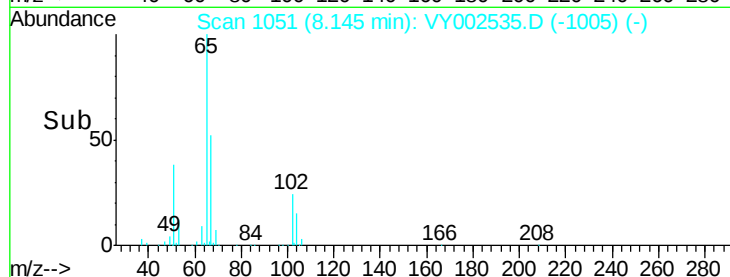
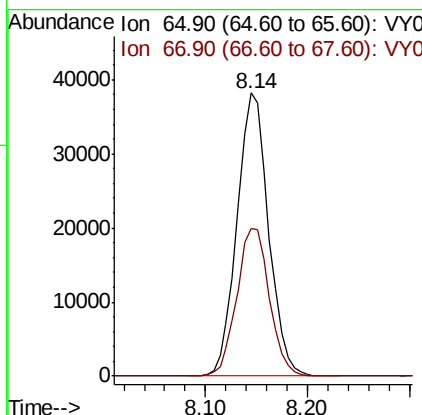
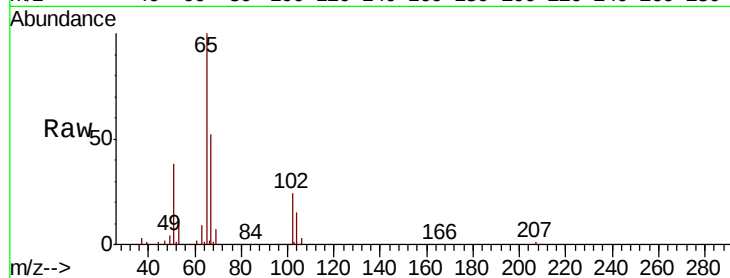




#33
 1,2-Dichloroethane-d4
 Concen: 46.409 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.02 min
 Lab File: VY002535.D
 Acq: 04 May 2020 13:04

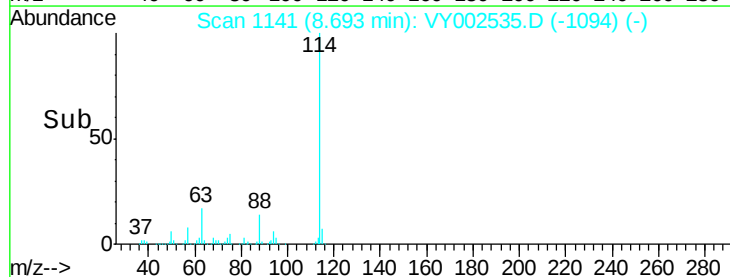
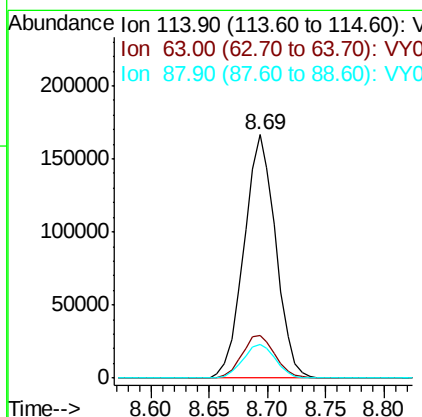
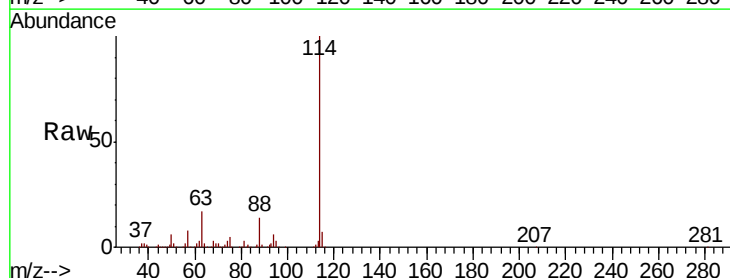
Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11976

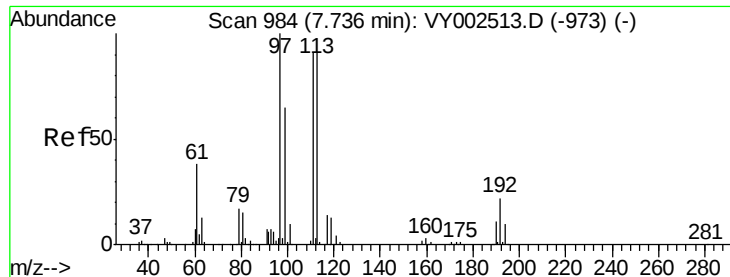
Tot Ion: 65 Resp: 81791
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY002535.D
 Acq: 04 May 2020 13:04

Tgt Ion: 114 Resp: 316209
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 36.4
 88 13.8 0.0 29.6

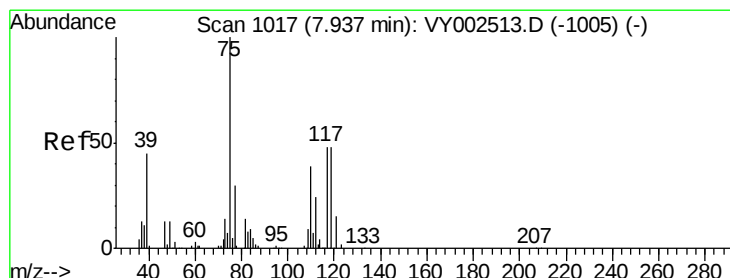
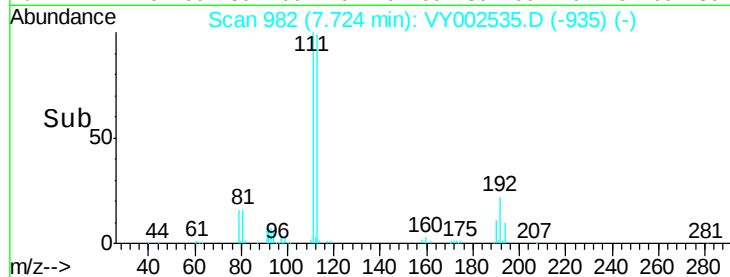
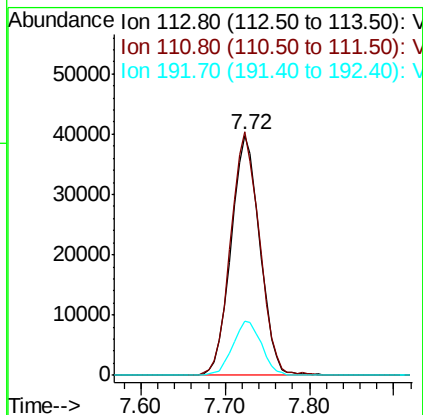
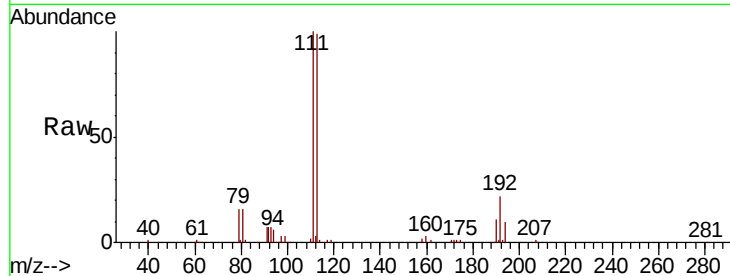




#35
 Dibromofluoromethane
 Concen: 50.793 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002535.D
 Acq: 04 May 2020 13:04

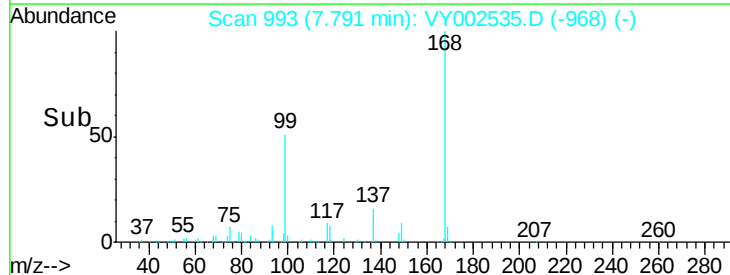
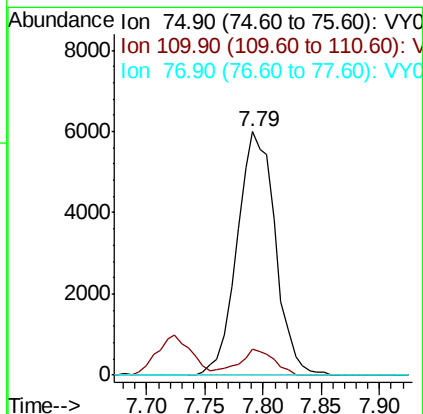
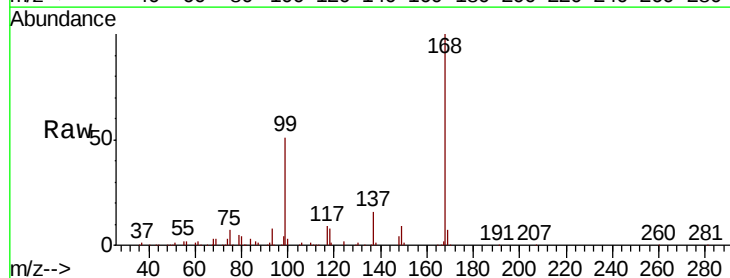
Instrument :
 MSVOA_Y
 ClientSampled :
 72-11976

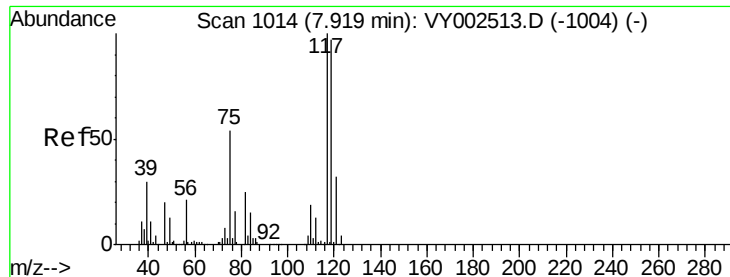
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	22.4	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 5.146 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.15 min
 Lab File: VY002535.D
 Acq: 04 May 2020 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.1	57.3#
77	0.0	24.6	37.0#

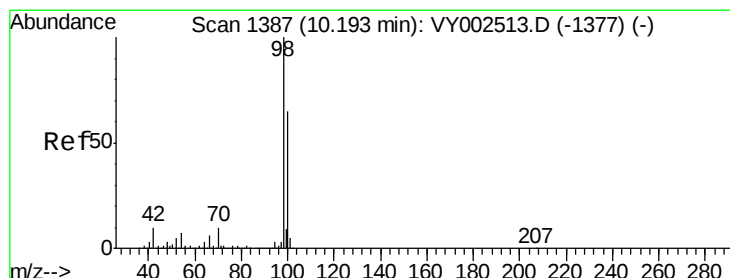
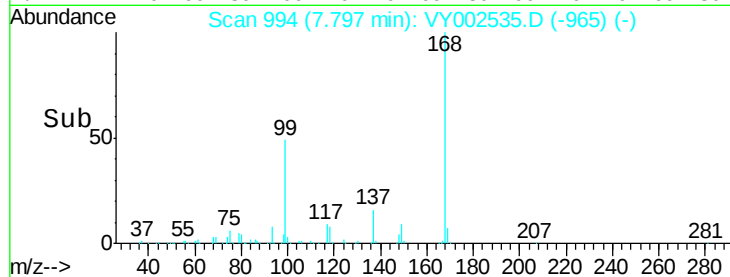
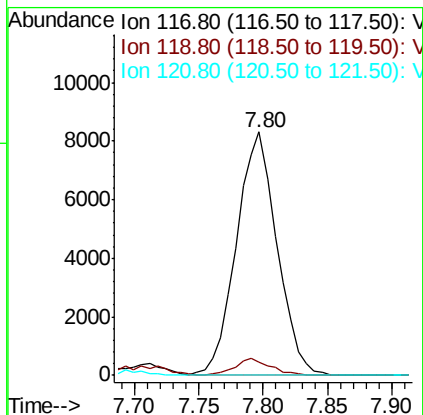
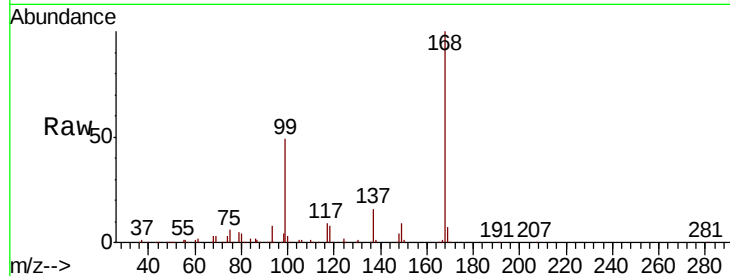




#38
Carbon Tetrachloride
Concen: 6.257 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY002535.D
Acq: 04 May 2020 13:04

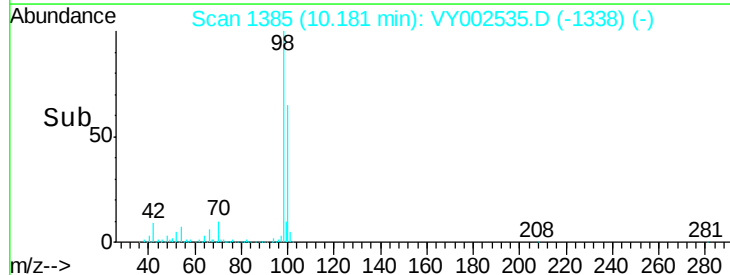
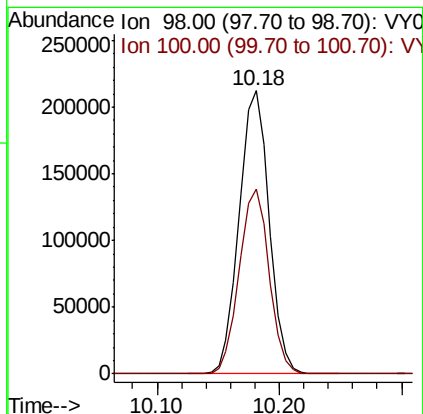
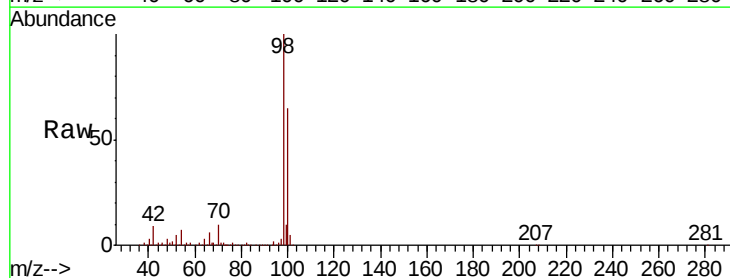
Instrument :
MSVOA_Y
ClientSampled :
72-11976

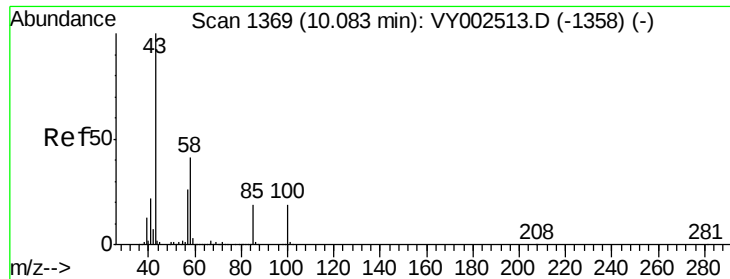
Tot Ion:117 Resp: 18109
Ion Ratio Lower Upper
117 100
119 5.4 77.1 115.7#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 51.153 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002535.D
Acq: 04 May 2020 13:04

Tgt Ion: 98 Resp: 361251
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 1.065 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.10 min

Lab File: VY002535.D

Acq: 04 May 2020 13:04

Instrument :

MSVOA_Y

ClientSampleId :

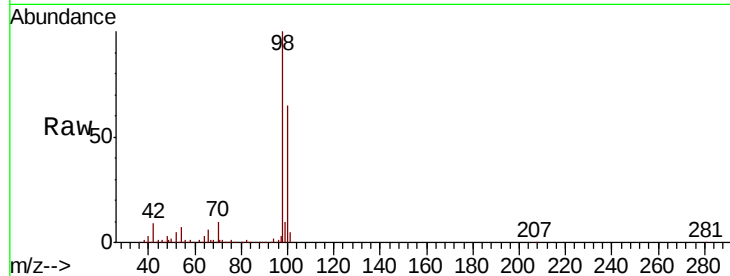
72-11976

Tot Ion: 43 Resp: 1402

Ion Ratio Lower Upper

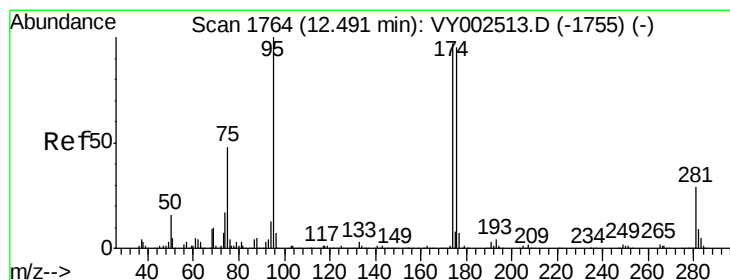
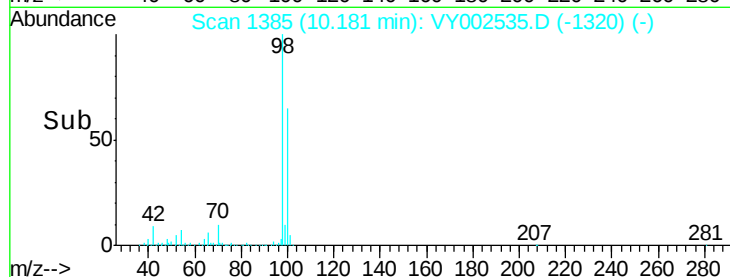
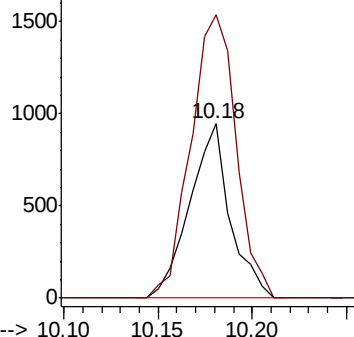
43 100

58 183.2 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: 40.714 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002535.D

Acq: 04 May 2020 13:04

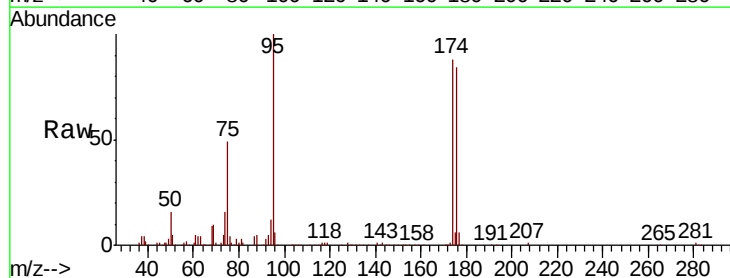
Tgt Ion: 95 Resp: 97565

Ion Ratio Lower Upper

95 100

174 93.7 0.0 188.8

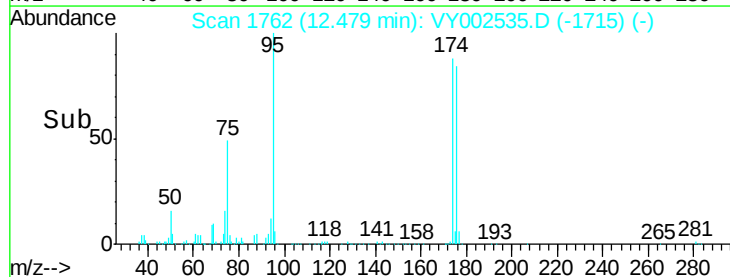
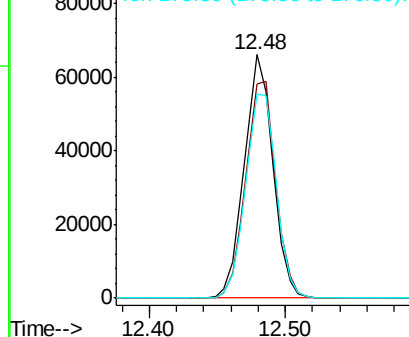
176 90.2 0.0 183.2

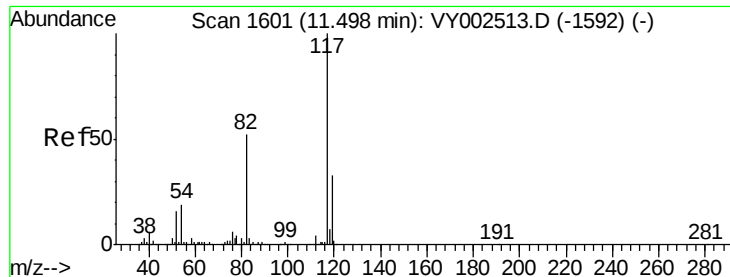


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

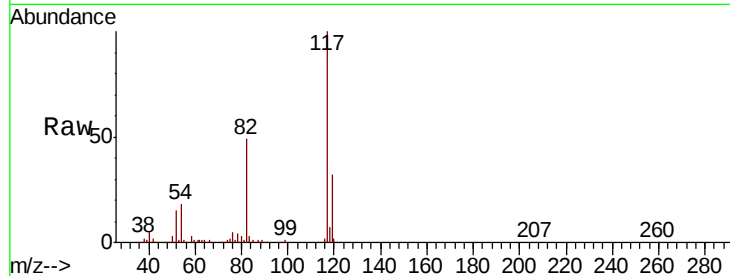




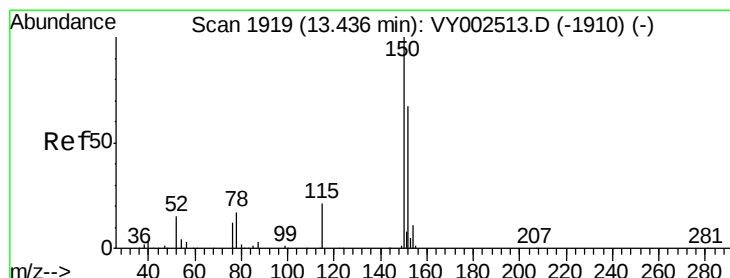
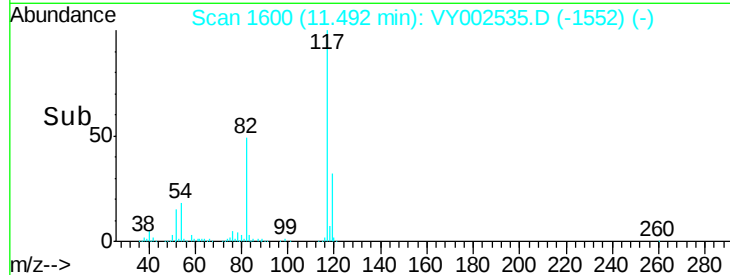
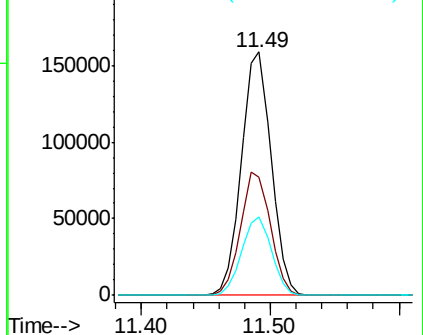
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002535.D
Acq: 04 May 2020 13:04

Instrument :
MSVOA_Y
ClientSampleId :
72-11976

Tot Ion:117 Resp: 253750
Ion Ratio Lower Upper
117 100
82 48.8 41.3 61.9
119 32.5 26.0 39.0

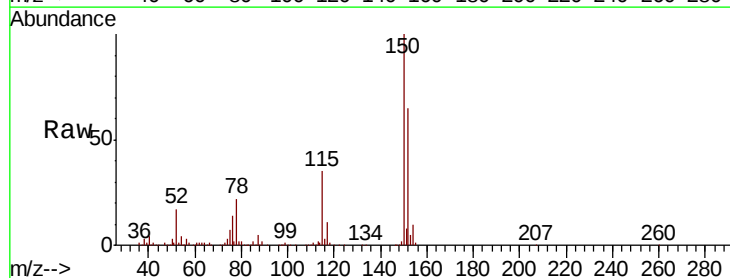


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

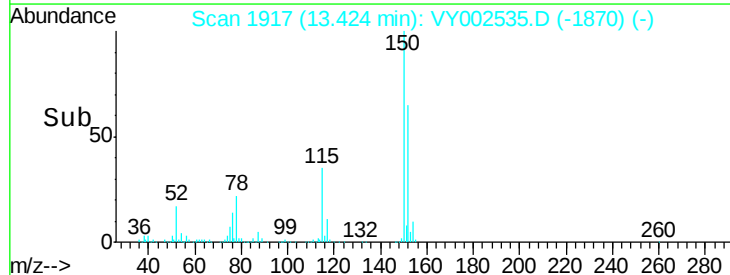
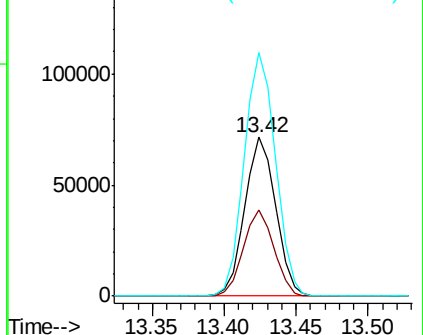


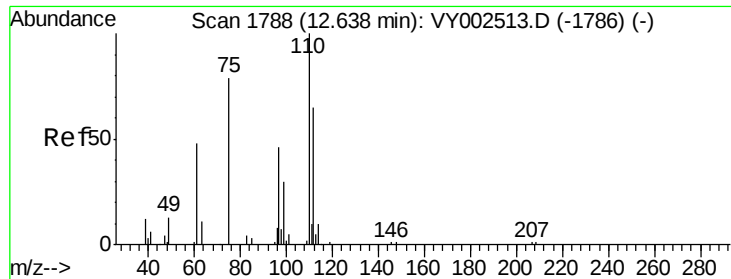
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002535.D
Acq: 04 May 2020 13:04

Tgt Ion:152 Resp: 106097
Ion Ratio Lower Upper
152 100
115 53.8 27.5 82.4
150 155.3 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: 49.255 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002535.D

Acq: 04 May 2020 13:04

Instrument :

MSVOA_Y

ClientSampleId :

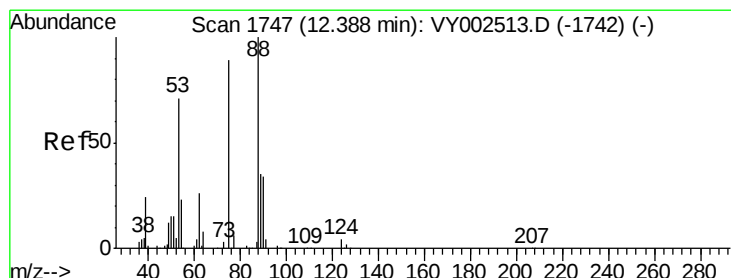
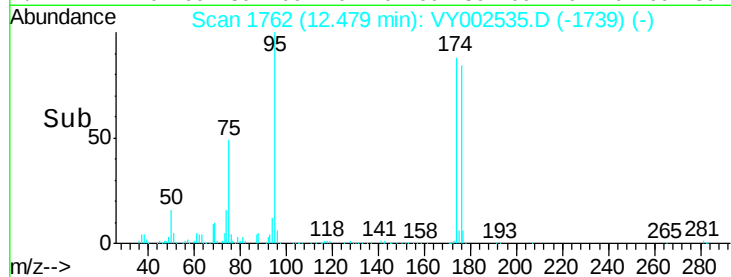
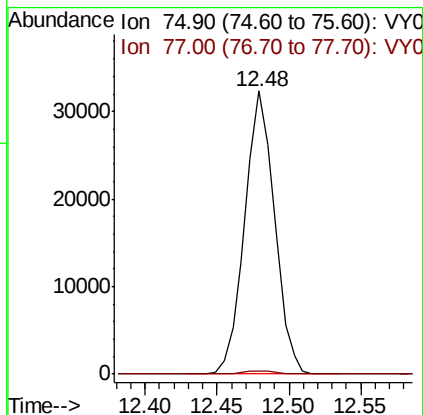
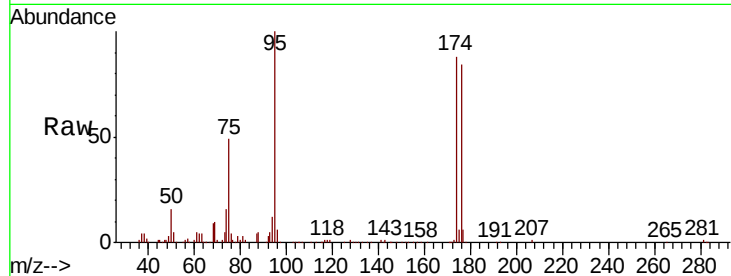
72-11976

Tot Ion: 75 Resp: 46440

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 98.766 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002535.D

Acq: 04 May 2020 13:04

Tgt Ion: 75 Resp: 46440

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.0 37.4 56.0#

