

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110420\
 Data File : VY003513.D
 Acq On : 04 Nov 2020 17:25
 Operator : SY/MD
 Sample : L4633-04
 Misc : 5.40G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-4

Quant Time: Nov 05 00:28:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	159643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	245018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	221737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	109367	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	81195	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
35) Dibromofluoromethane	7.72	113	68451	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	
50) Toluene-d8	10.18	98	266598	42.98	ug/l	0.00
Spiked Amount			Recovery	=	85.96%	
62) 4-Bromofluorobenzene	12.48	95	85259	41.49	ug/l	0.00
Spiked Amount			Recovery	=	82.98%	

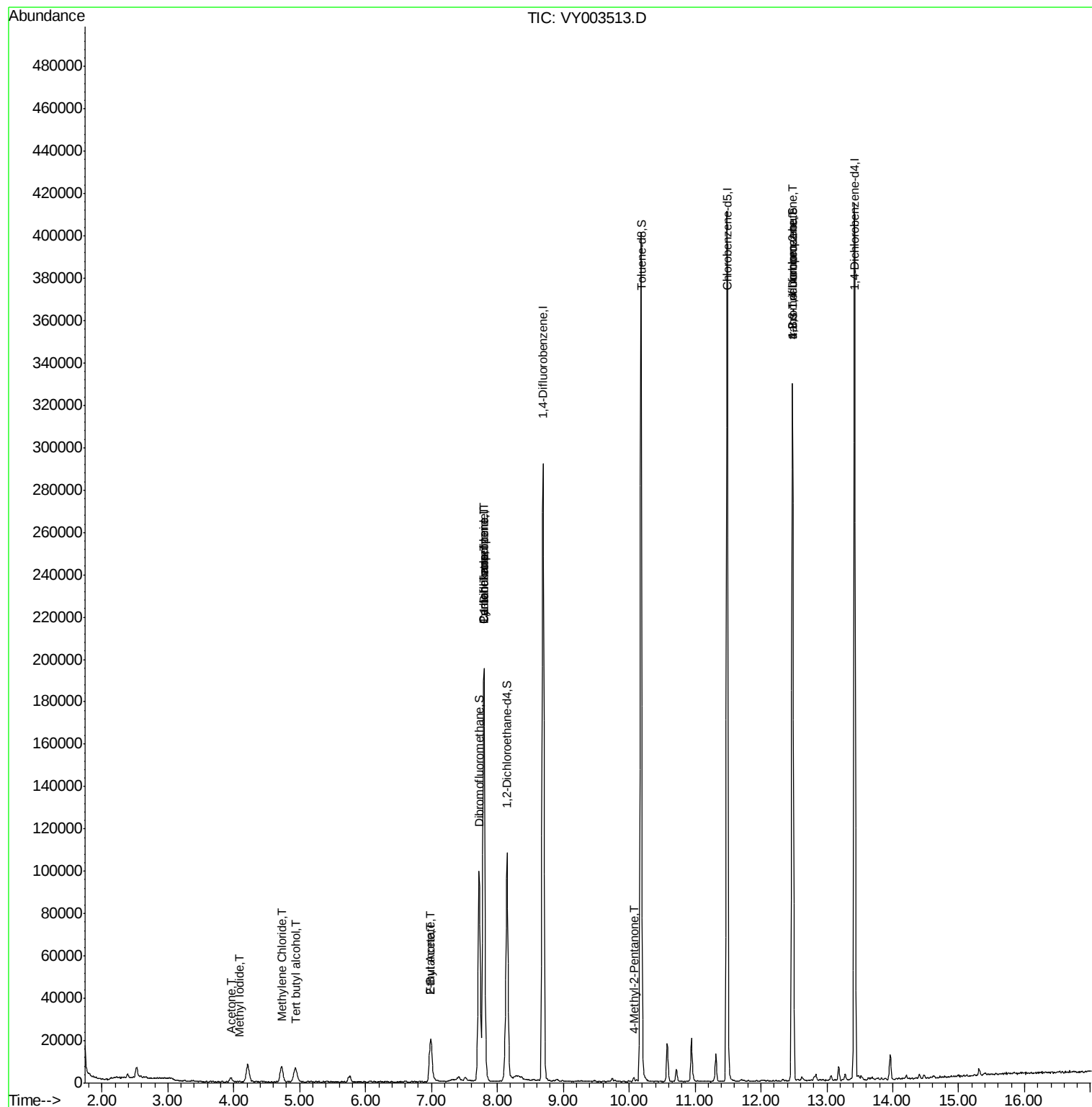
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	338	4.833	ug/l #	41
11) Tert butyl alcohol	4.93	59	6844	23.028	ug/l #	73
16) Acetone	3.96	43	3854	7.138	ug/l #	83
20) Methylene Chloride	4.72	84	5424	3.567	ug/l	97
25) 2-Butanone	6.99	43	1540	2.281	ug/l #	50
31) Cyclohexane	7.80	56	2897	1.181	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	11050	4.783	ug/l #	49
37) Ethyl Acetate	6.99	43	1540	1.074	ug/l #	10
38) Carbon Tetrachloride	7.80	117	14243	5.943	ug/l #	19
51) 4-Methyl-2-Pentanone	10.07	43	1388	1.011	ug/l #	87
76) 1,2,3-Trichloropropane	12.48	75	45771	39.554	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	45771	82.556	ug/l #	12

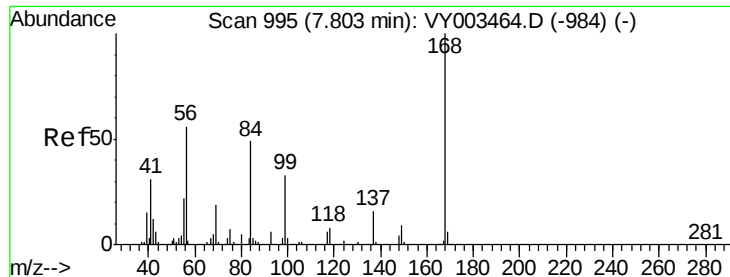
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VY003513.D

Acq: 04 Nov 2020 17:25

Instrument :

MSVOA_Y

ClientSampled :

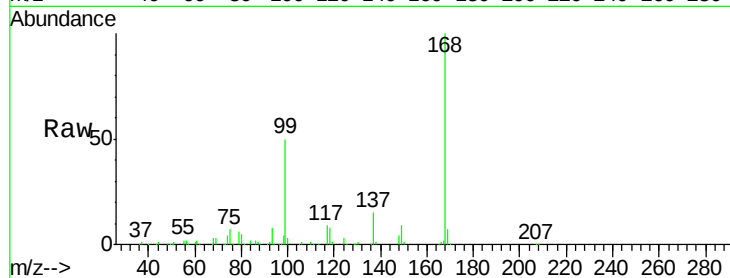
DB-4

Tot Ion:168 Resp: 159643

Ion Ratio Lower Upper

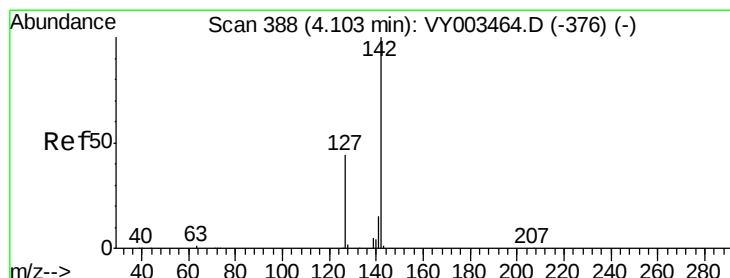
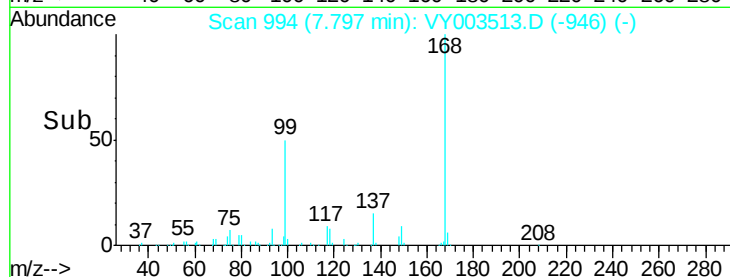
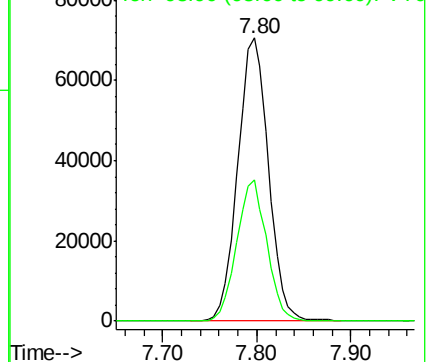
168 100

99 49.9 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 4.833 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.01 min

Lab File: VY003513.D

Acq: 04 Nov 2020 17:25

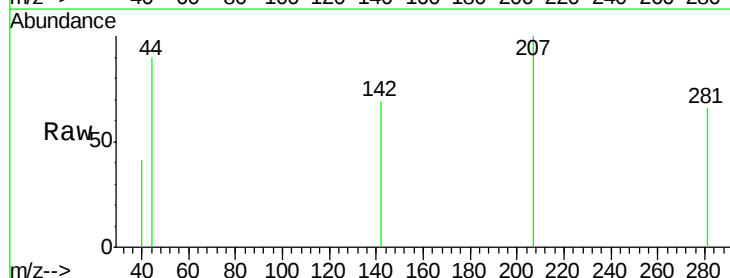
Tgt Ion:142 Resp: 338

Ion Ratio Lower Upper

142 100

127 0.0 34.5 51.7#

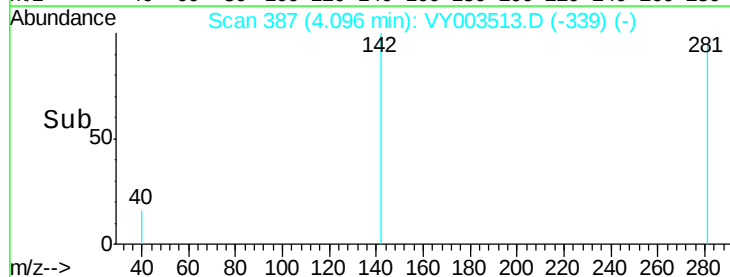
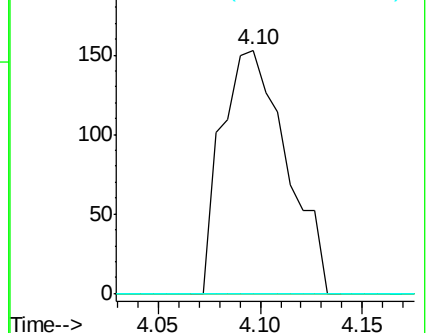
141 0.0 11.8 17.8#

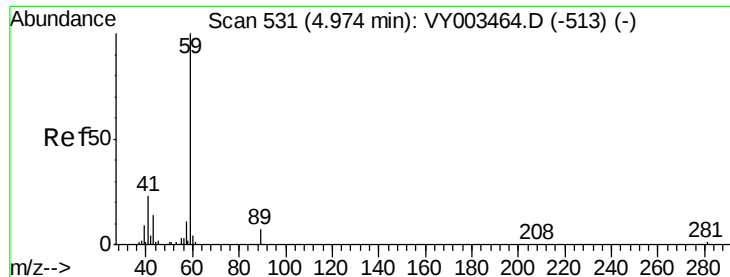


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



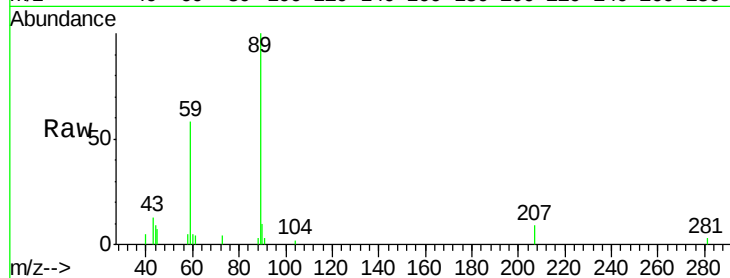


#11

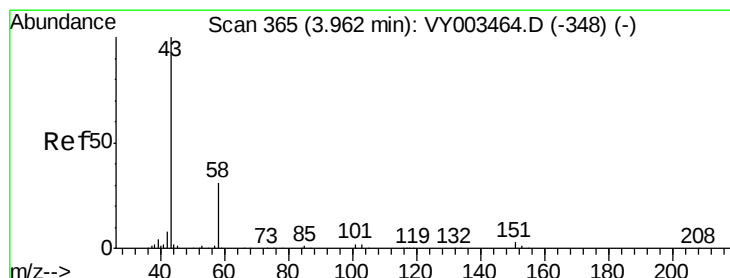
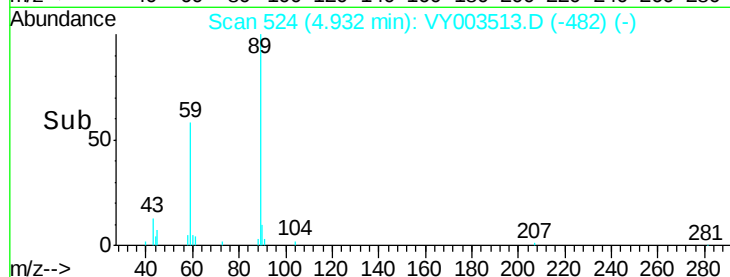
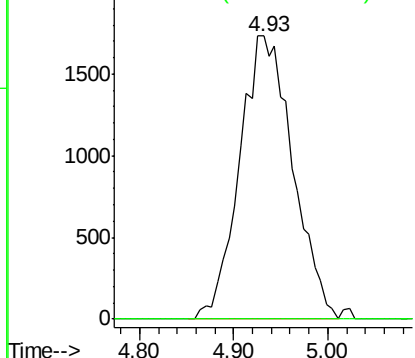
Tert butyl alcohol
 Concen: 23.028 ug/l
 RT: 4.93 min Scan# 524
 Delta R.T. -0.04 min
 Lab File: VY003513.D
 Acq: 04 Nov 2020 17:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-4

Tot Ion: 59 Resp: 6844
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#



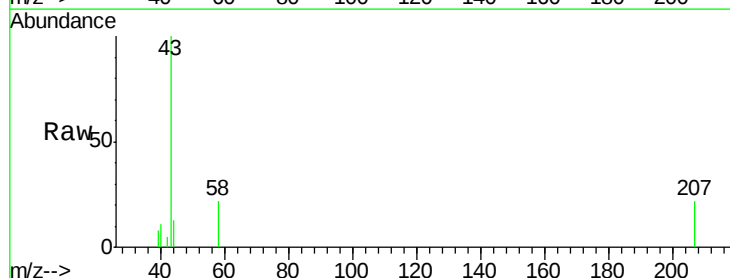
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



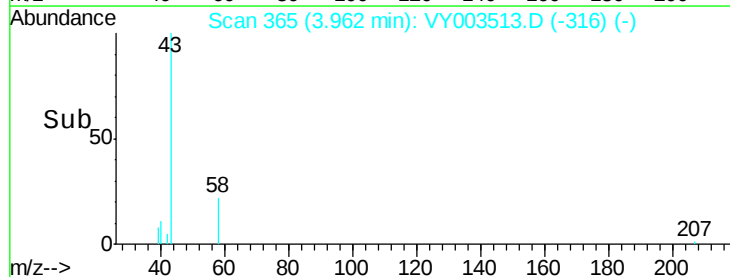
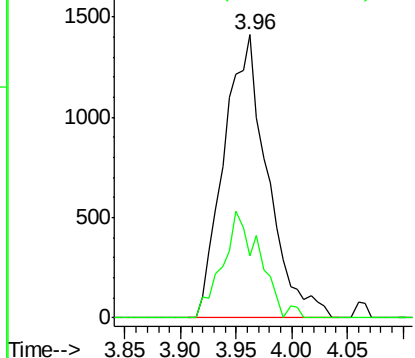
#16

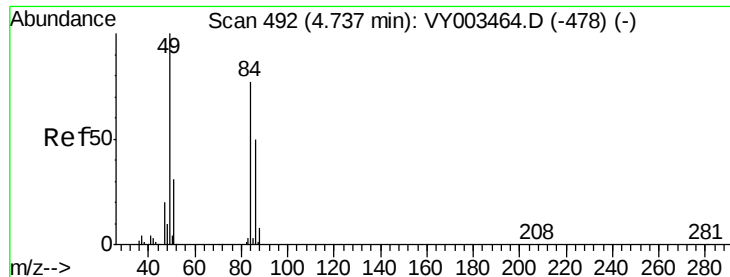
Acetone
 Concen: 7.138 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VY003513.D
 Acq: 04 Nov 2020 17:25

Tgt Ion: 43 Resp: 3854
 Ion Ratio Lower Upper
 43 100
 58 21.8 25.0 37.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

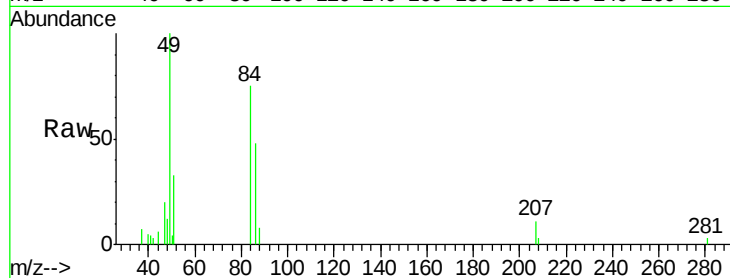




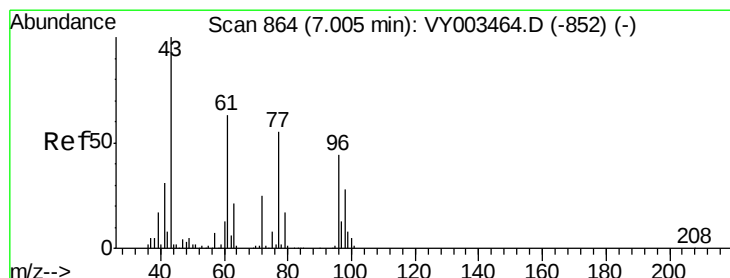
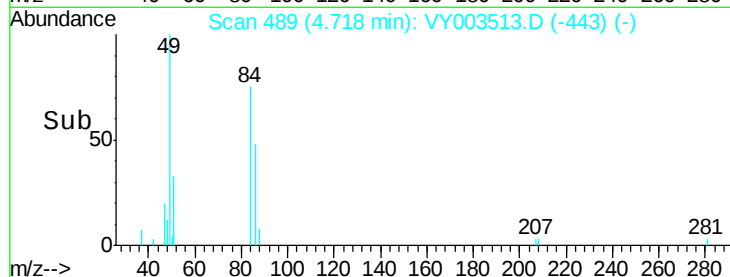
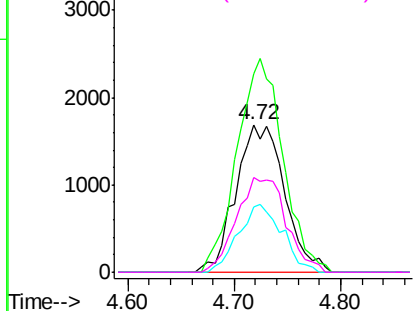
#20
Methvlene Chloride
Concen: 3.567 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.02 min
Lab File: VY003513.D
Acq: 04 Nov 2020 17:25

Instrument :
MSVOA_Y
ClientSampled :
DB-4

Tot Ion: 84 Resp: 5424
Ion Ratio Lower Upper
84 100
49 134.2 104.3 156.5
51 44.0 32.5 48.7
86 64.3 52.5 78.7

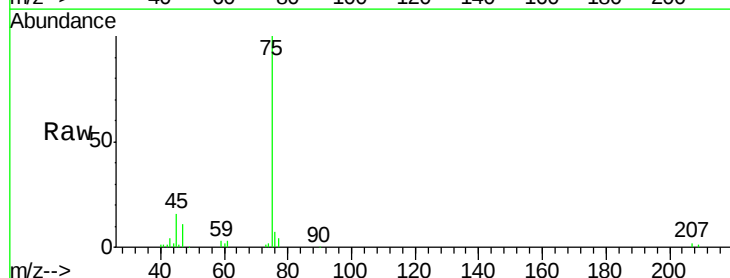


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

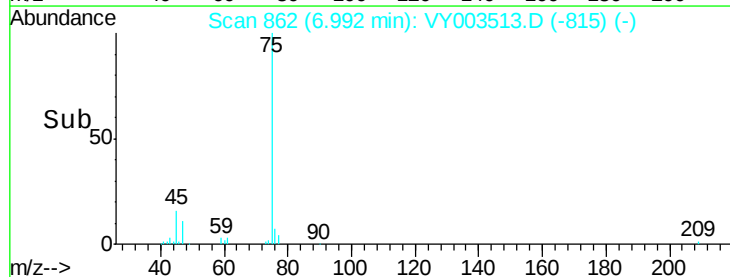
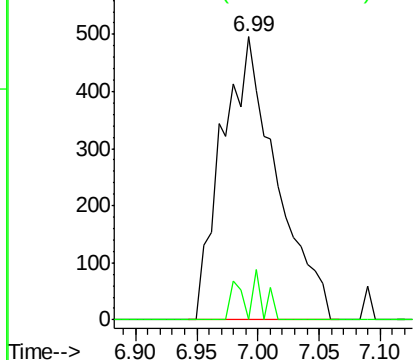


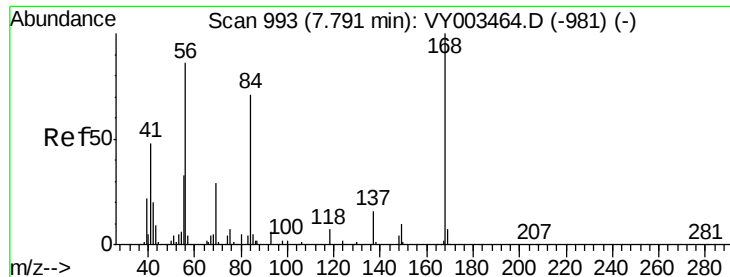
#25
2-Butanone
Concen: 2.281 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY003513.D
Acq: 04 Nov 2020 17:25

Tgt Ion: 43 Resp: 1540
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.181 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003513.D

Acq: 04 Nov 2020 17:25

Instrument :

MSVOA_Y

ClientSampleID :

DB-4

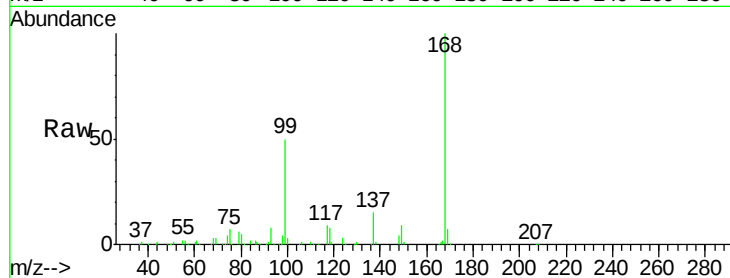
Tot Ion: 56 Resp: 2897

Ion Ratio Lower Upper

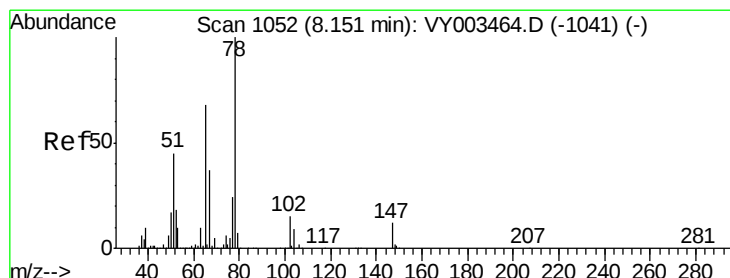
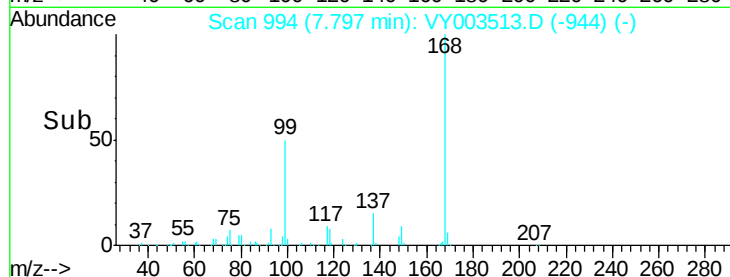
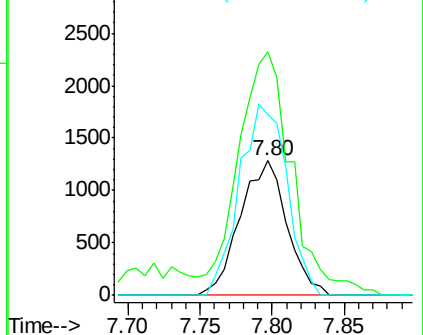
56 100

69 170.4 26.6 39.8#

84 134.5 65.9 98.9#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 49.611 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY003513.D

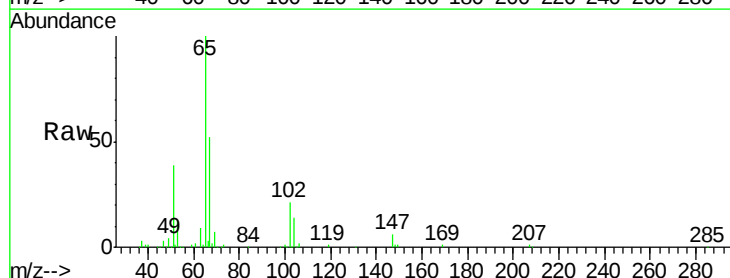
Acq: 04 Nov 2020 17:25

Tgt Ion: 65 Resp: 81195

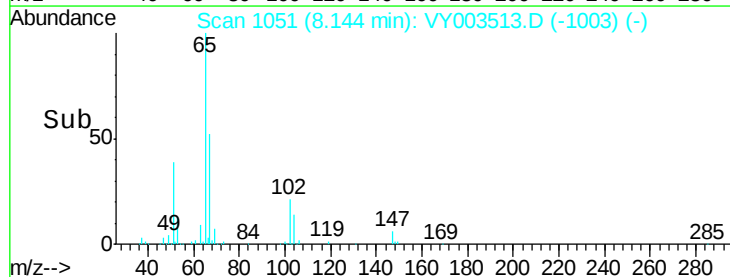
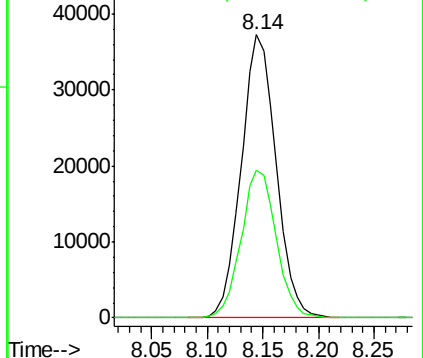
Ion Ratio Lower Upper

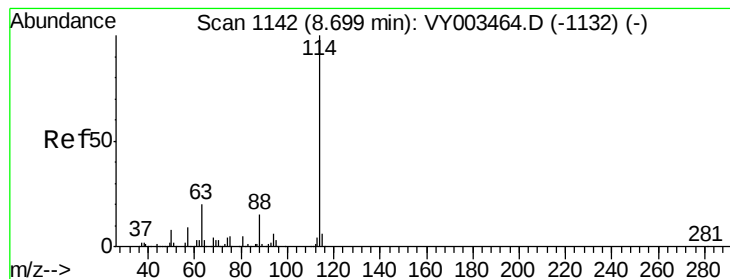
65 100

67 52.8 0.0 106.0



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY003513.D

Acq: 04 Nov 2020 17:25

Instrument :

MSVOA_Y

ClientSampleId :

DB-4

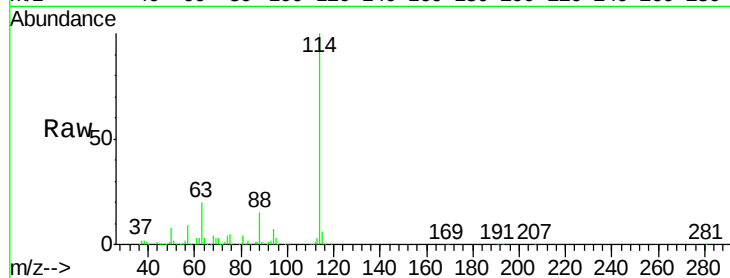
Tot Ion:114 Resp: 245018

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

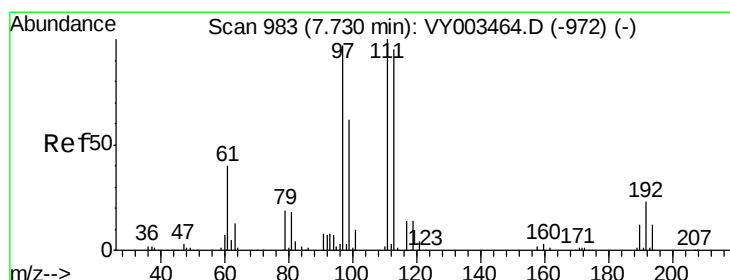
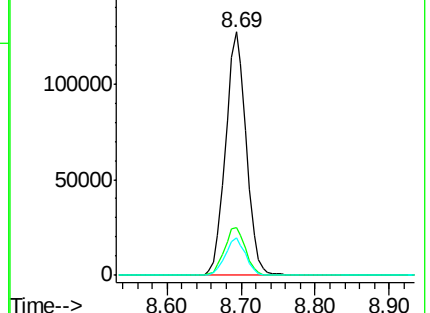
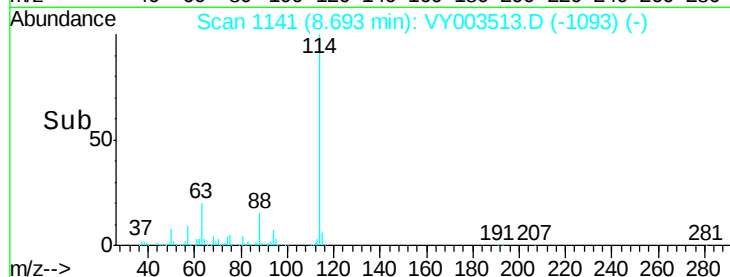
88 15.2 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 45.910 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY003513.D

Acq: 04 Nov 2020 17:25

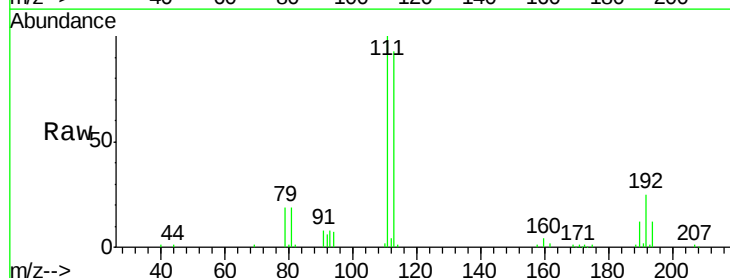
Tgt Ion:113 Resp: 68451

Ion Ratio Lower Upper

113 100

111 103.7 81.8 122.6

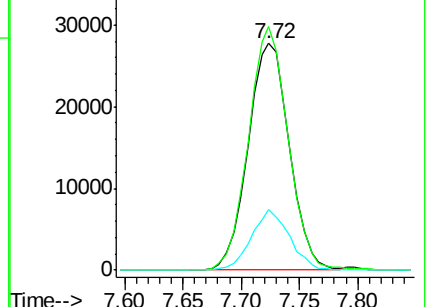
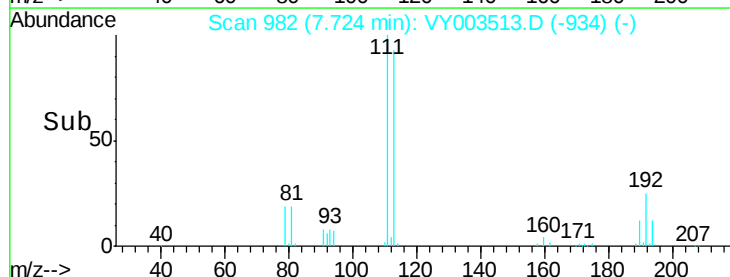
192 24.6 18.8 28.2

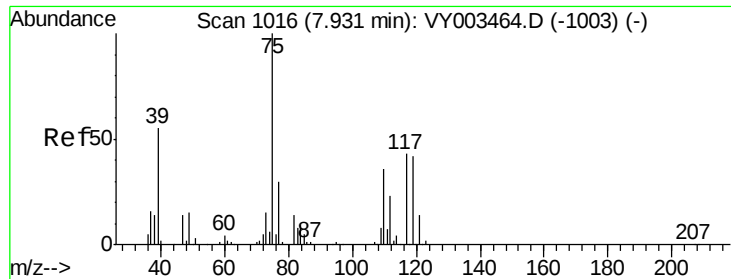


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

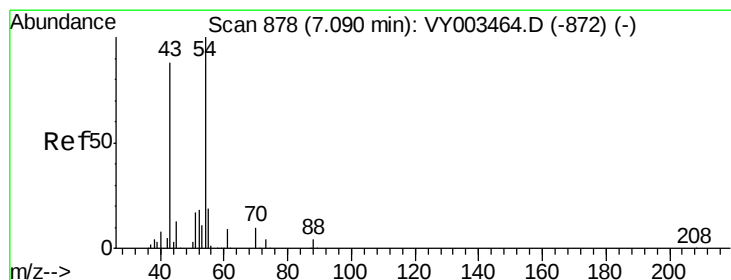
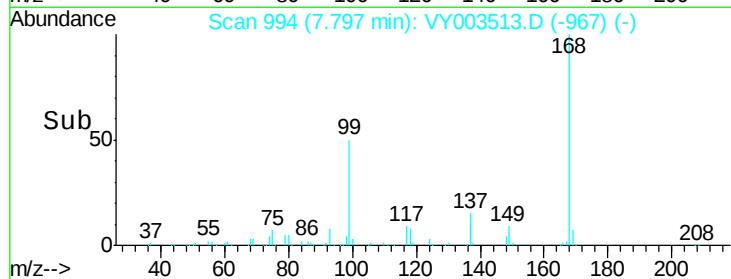
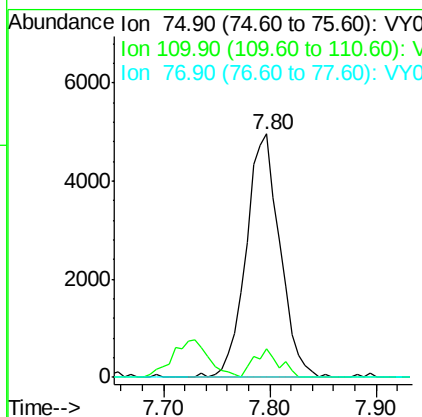
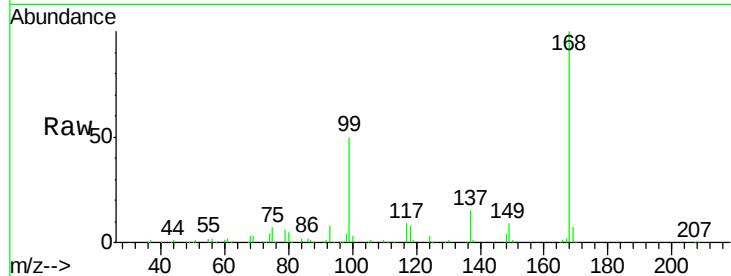




#36
 1,1-Dichloropropene
 Concen: 4.783 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003513.D
 Acq: 04 Nov 2020 17:25

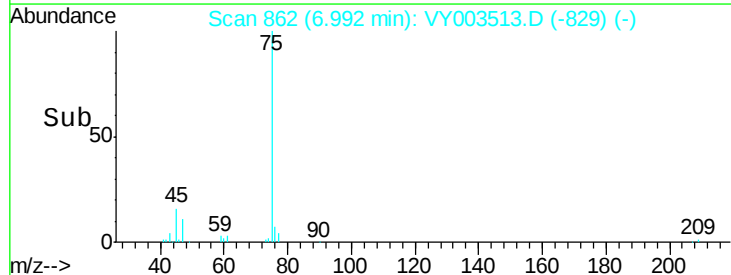
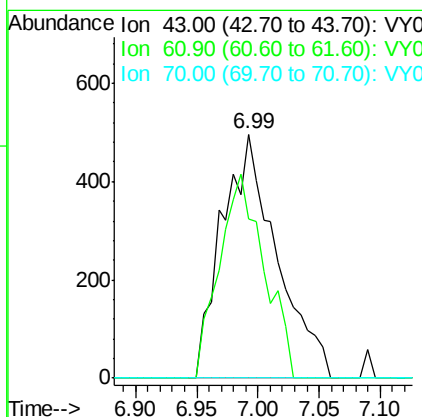
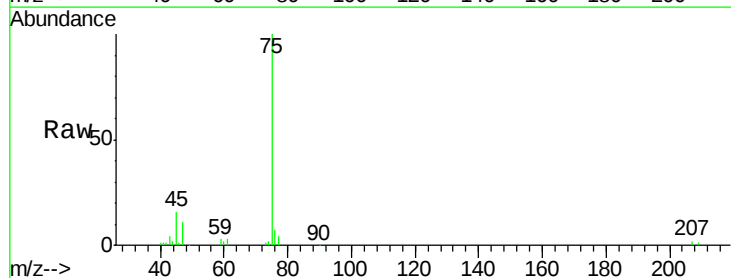
Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-4

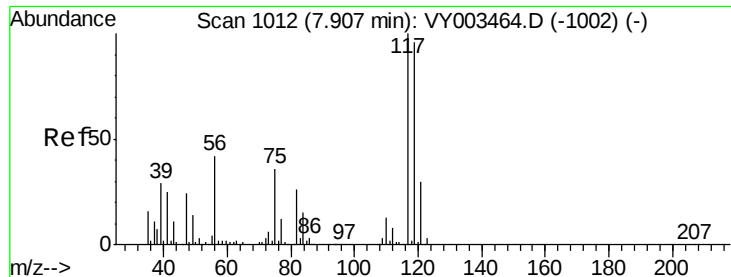
Tot Ion: 75 Resp: 11050
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.6 52.9#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 1.074 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.10 min
 Lab File: VY003513.D
 Acq: 04 Nov 2020 17:25

Tgt Ion: 43 Resp: 1540
 Ion Ratio Lower Upper
 43 100
 61 68.4 11.0 16.6#
 70 0.0 7.9 11.9#





#38

Carbon Tetrachloride

Concen: 5.943 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003513.D

Acq: 04 Nov 2020 17:25

Instrument :

MSVOA_Y

ClientSampled :

DB-4

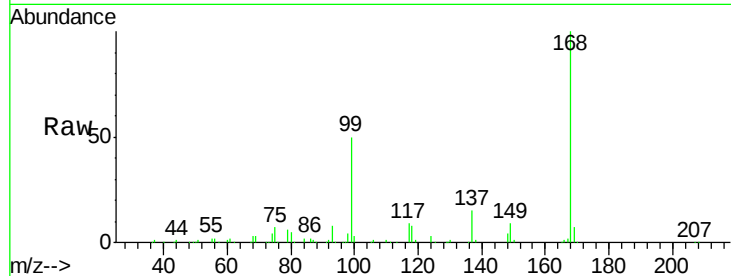
Tot Ion:117 Resp: 14243

Ion Ratio Lower Upper

117 100

119 8.7 76.2 114.4#

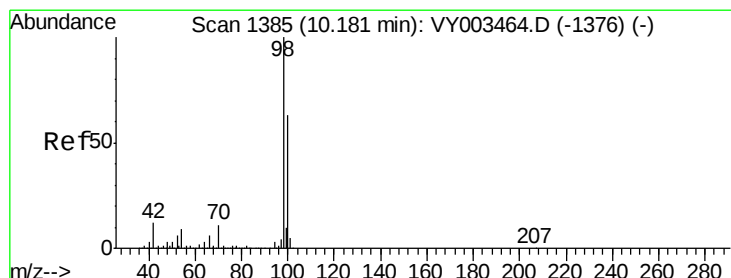
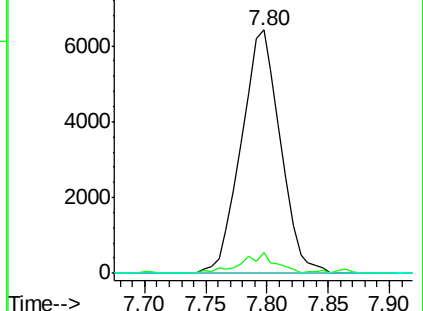
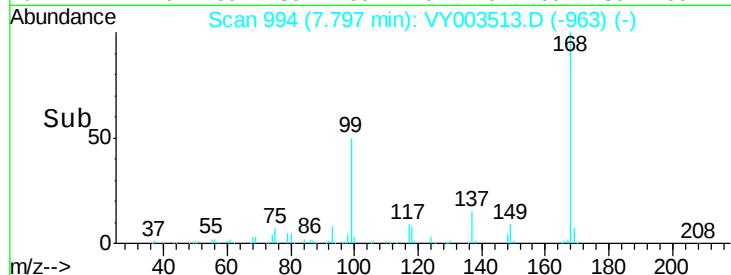
121 0.0 24.2 36.4#



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: 42.981 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003513.D

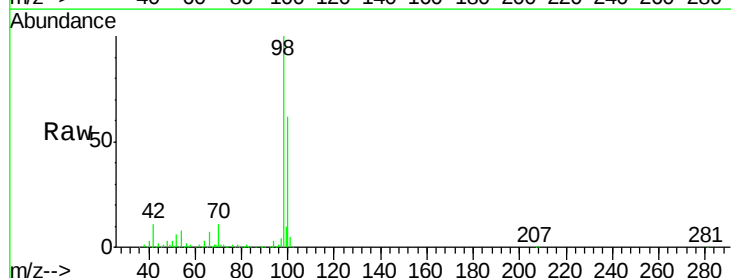
Acq: 04 Nov 2020 17:25

Tgt Ion: 98 Resp: 266598

Ion Ratio Lower Upper

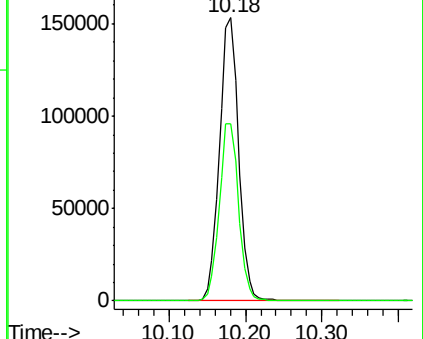
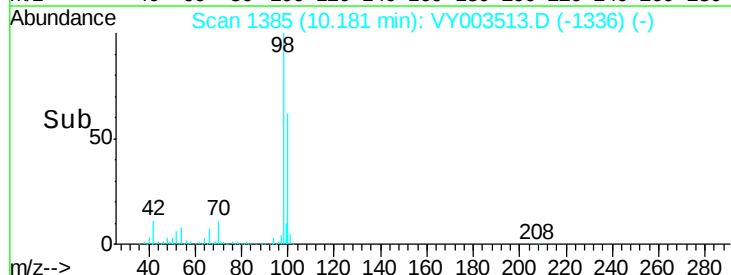
98 100

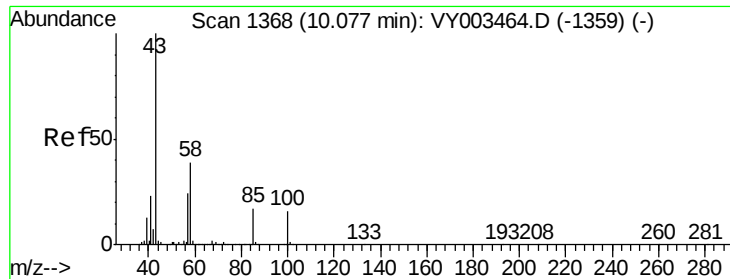
100 63.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.011 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY003513.D

Acq: 04 Nov 2020 17:25

Instrument :

MSVOA_Y

Client Sampled :

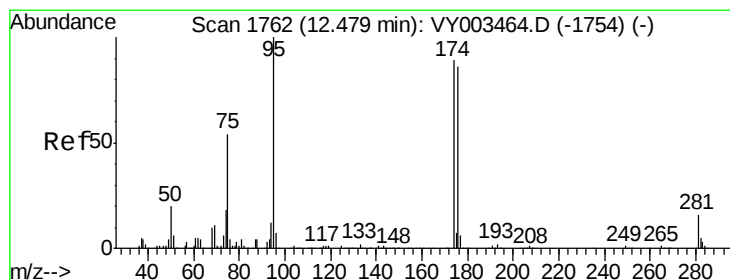
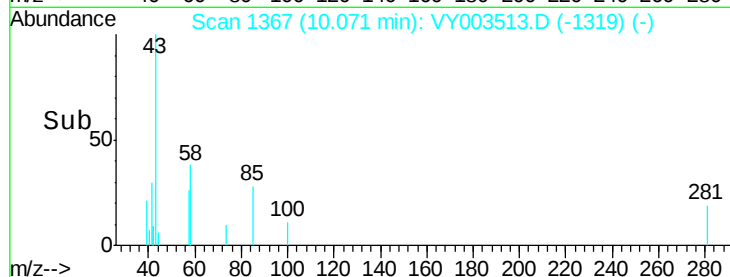
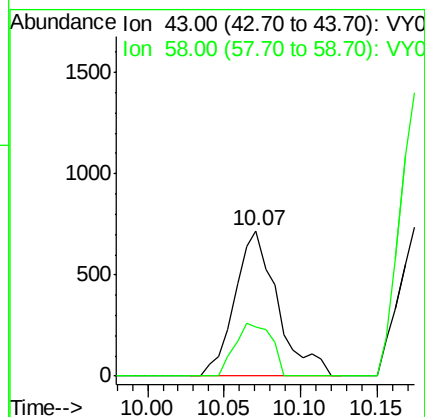
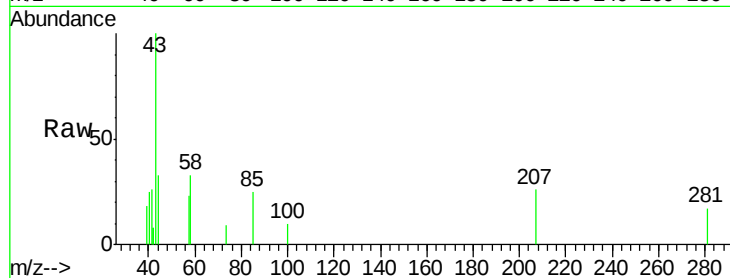
DB-4

Tot Ion: 43 Resp: 1388

Ion Ratio Lower Upper

43 100

58 30.7 31.0 46.4#



#62

4-Bromofluorobenzene

Concen: 41.486 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003513.D

Acq: 04 Nov 2020 17:25

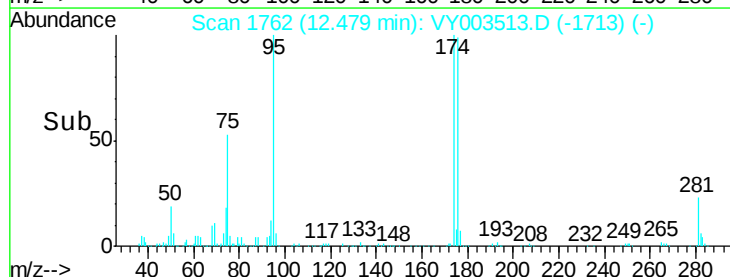
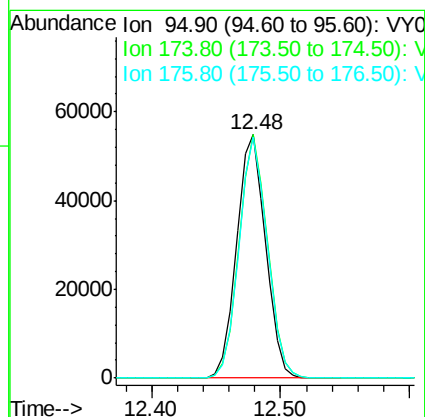
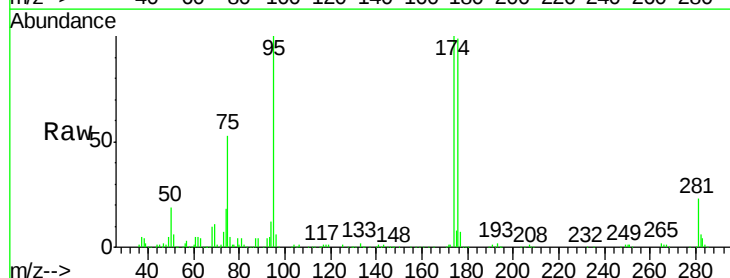
Tgt Ion: 95 Resp: 85259

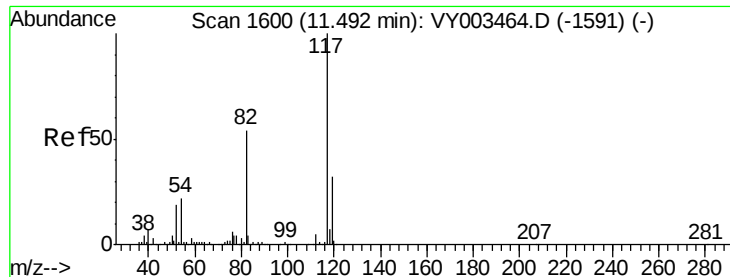
Ion Ratio Lower Upper

95 100

174 98.2 0.0 193.0

176 97.2 0.0 187.4

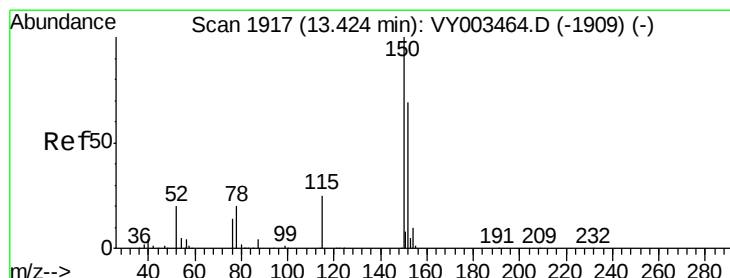
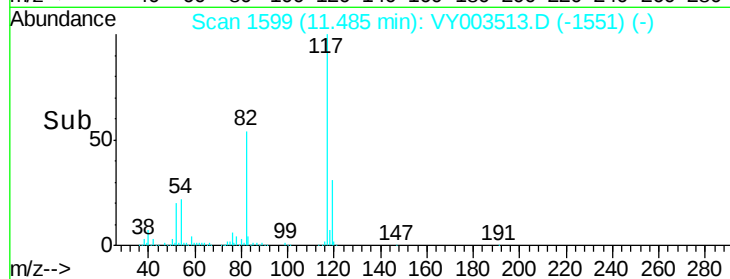
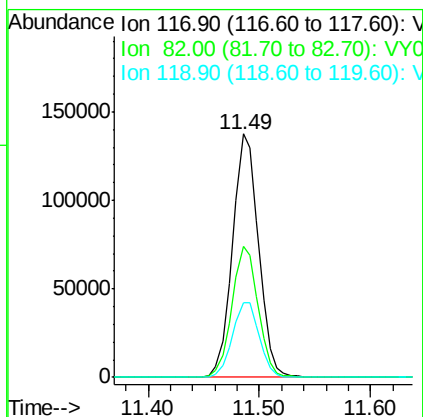
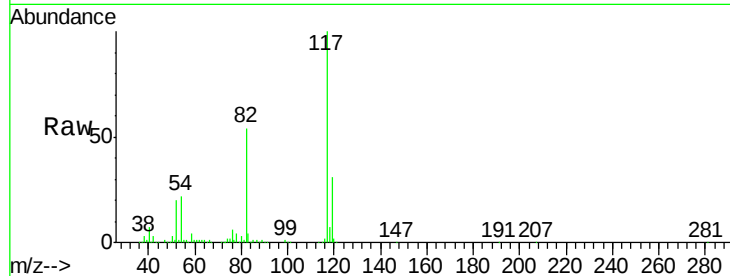




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003513.D
Acq: 04 Nov 2020 17:25

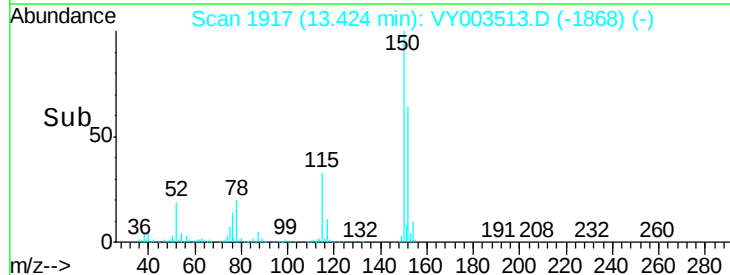
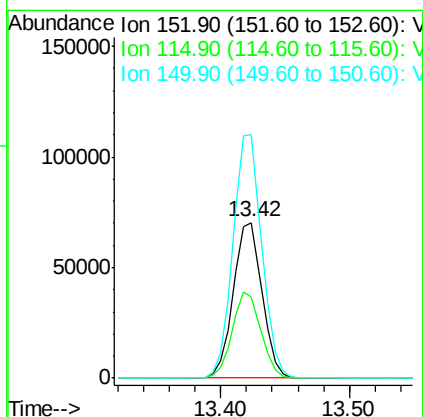
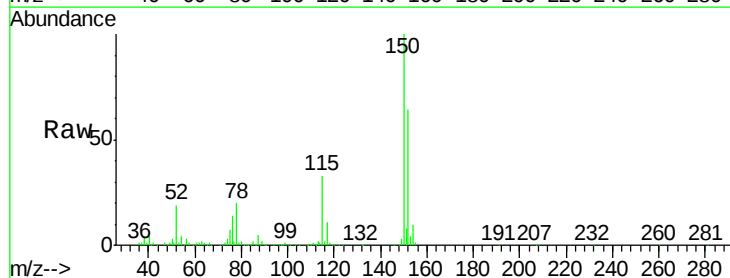
Instrument :
MSVOA_Y
ClientSampleId :
DB-4

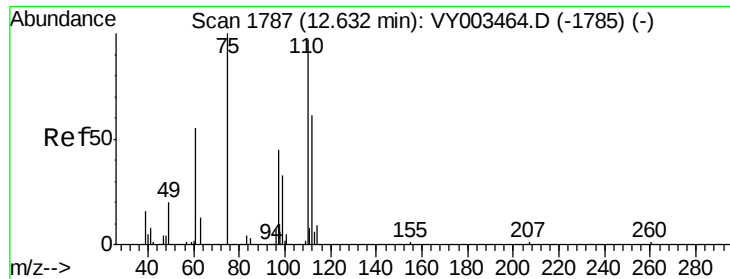
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.4	65.2
119	30.9	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003513.D
Acq: 04 Nov 2020 17:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.5	82.4
150	156.9	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 39.554 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003513.D

Acq: 04 Nov 2020 17:25

Instrument :

MSVOA_Y

ClientSampleId :

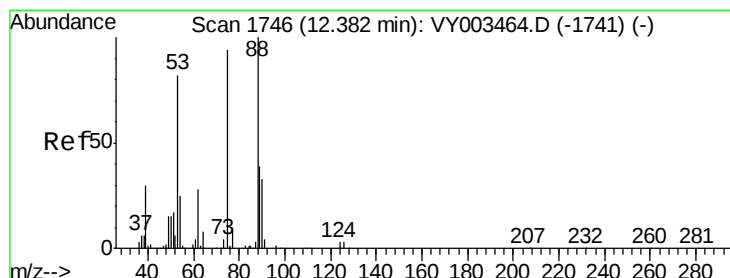
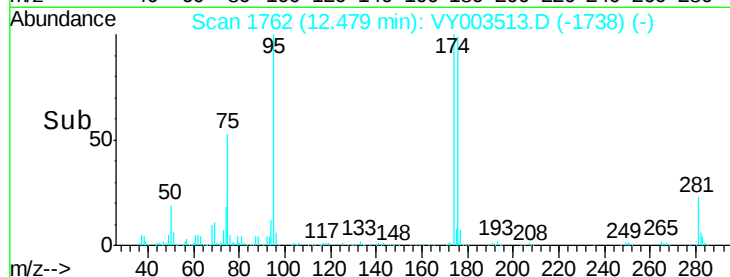
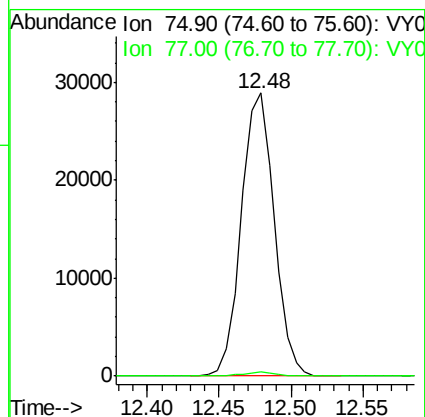
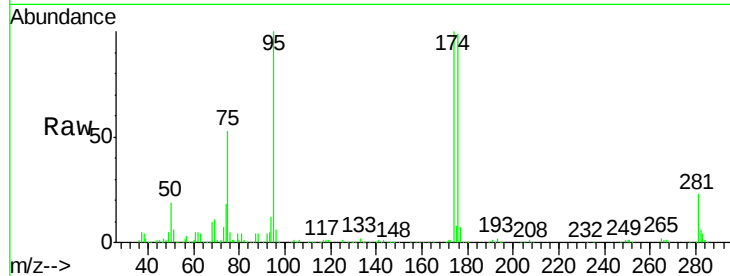
DB-4

Tot Ion: 75 Resp: 45771

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.556 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003513.D

Acq: 04 Nov 2020 17:25

Tgt Ion: 75 Resp: 45771

Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

89 0.1 35.8 53.8#

