

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000587.D
 Acq On : 07 Nov 2019 17:40
 Operator : SY/MD
 Sample : K5676-06
 Misc : 8.47G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:48:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	208415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	373799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	322581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	121039	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	126262	58.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.08%	
35) Dibromofluoromethane	7.73	113	110652	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.18	98	434766	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
62) 4-Bromofluorobenzene	12.48	95	136518	43.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.14%	

Target Compounds

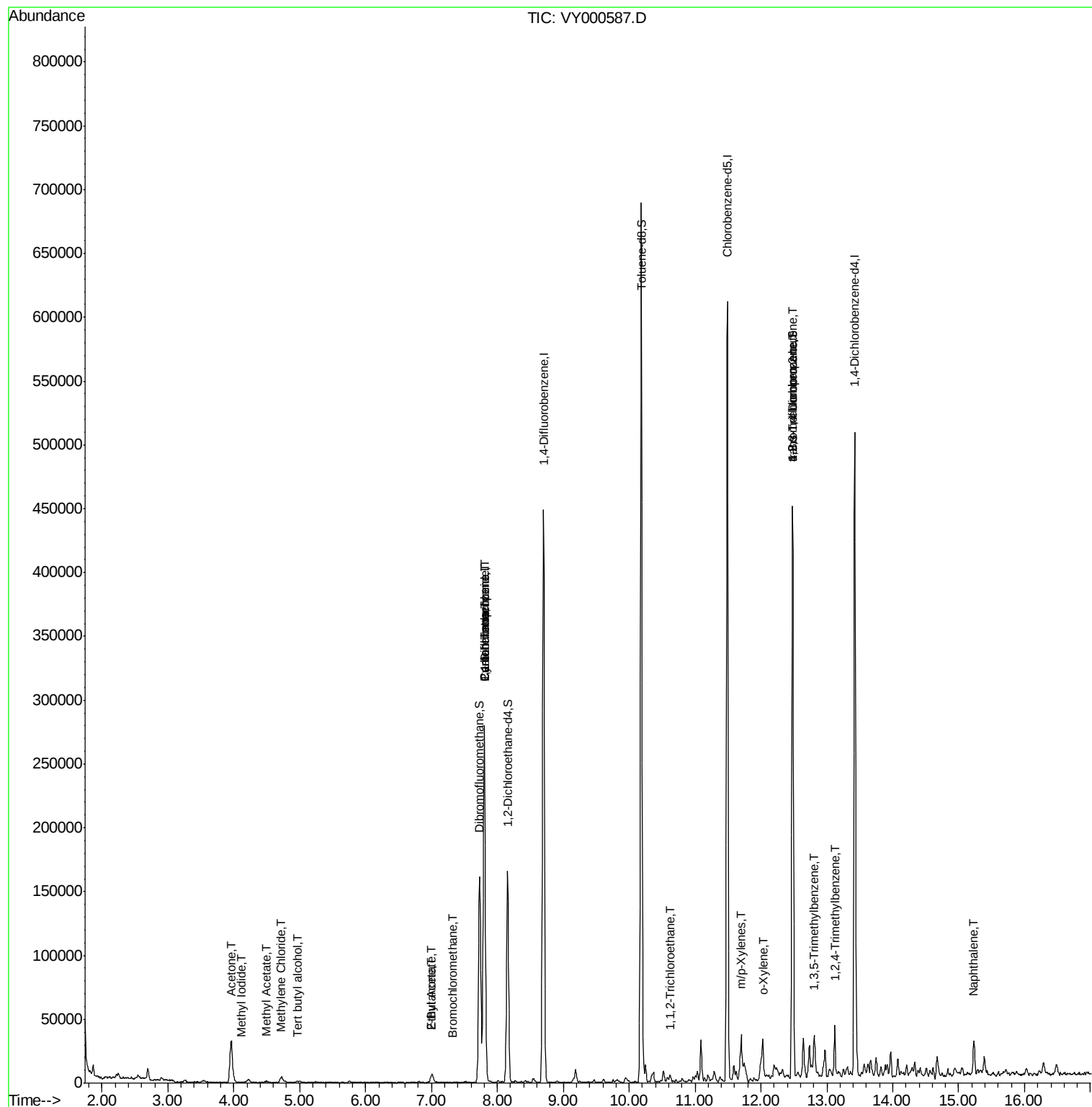
						Qvalue
10) Methyl Iodide	4.10	142	464	3.353	ug/l #	83
11) Tert butyl alcohol	4.97	59	2335	11.122	ug/l #	72
16) Acetone	3.96	43	55708	93.714	ug/l	100
18) Methyl Acetate	4.49	43	2844	1.539	ug/l #	62
20) Methylene Chloride	4.72	84	3391	1.331	ug/l #	83
25) 2-Butanone	7.00	43	8886	9.367	ug/l	92
28) Bromochloromethane	7.31	49	63	4.124	ug/l #	14
31) Cyclohexane	7.80	56	5980	1.432	ug/l #	24
36) 1,1-Dichloropropene	7.80	75	17440	4.935	ug/l #	49
37) Ethyl Acetate	7.00	43	8886	4.236	ug/l #	70
38) Carbon Tetrachloride	7.80	117	20994	6.174	ug/l #	14
55) 1,1,2-Trichloroethane	10.62	97	2504	1.235	ug/l #	15
68) m/p-Xylenes	11.70	106	8944	1.920	ug/l	95
69) o-Xylene	12.03	106	7235	1.652	ug/l	90
76) 1,2,3-Trichloropropane	12.48	75	72813	52.832	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	9254	1.242	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.48	75	72813	118.457	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	17797	2.399	ug/l	96
95) Naphthalene	15.23	128	20492	3.760	ug/l	99

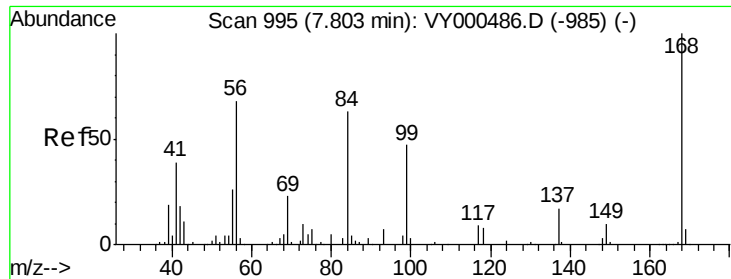
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 30 13:30:53 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000587.D

Acq: 07 Nov 2019 17:40

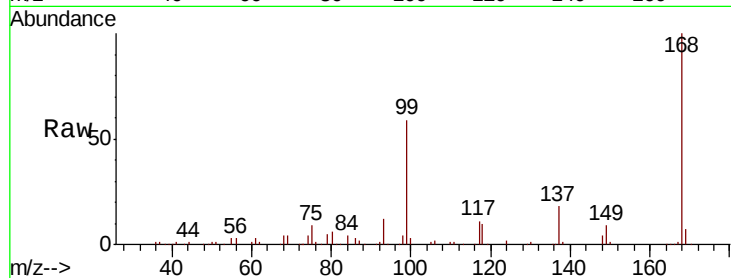
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 208415

Ion Ratio Lower Upper

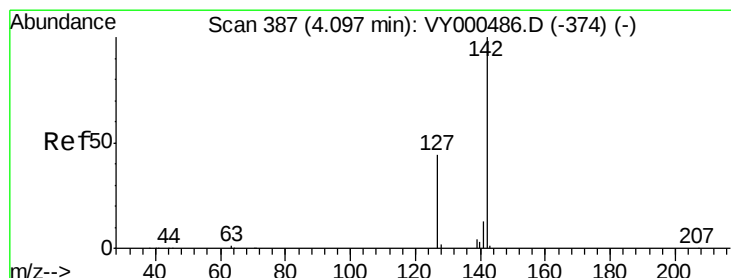
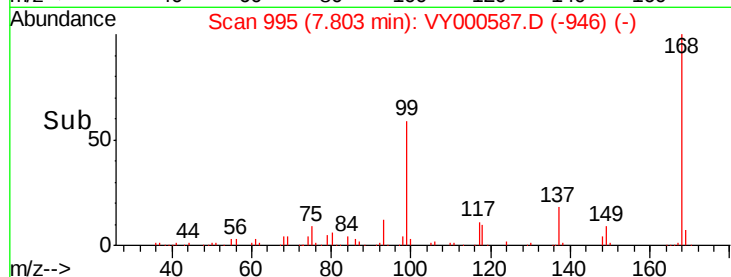
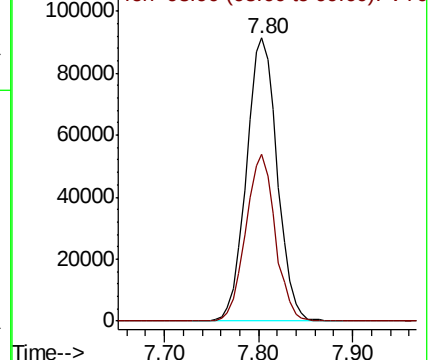
168 100

99 58.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.353 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000587.D

Acq: 07 Nov 2019 17:40

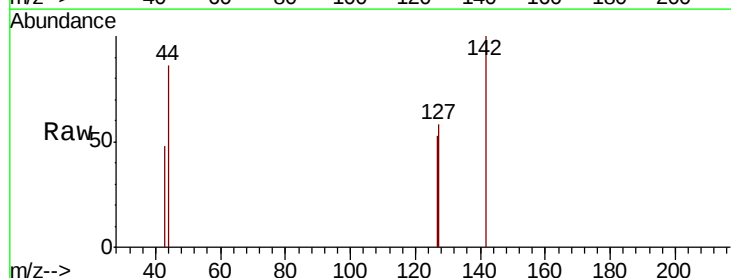
Tgt Ion:142 Resp: 464

Ion Ratio Lower Upper

142 100

127 35.1 33.7 50.5

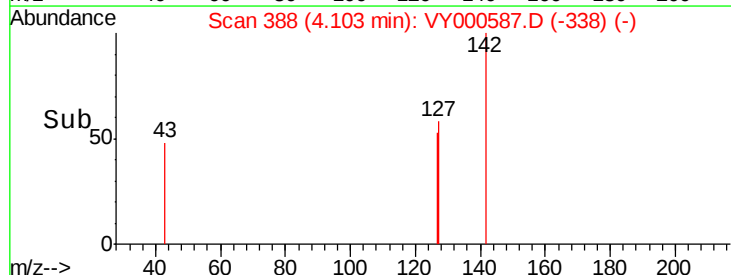
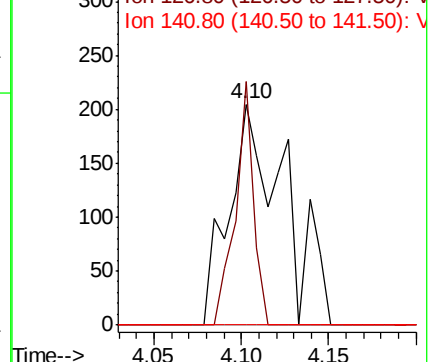
141 0.0 10.9 16.3#

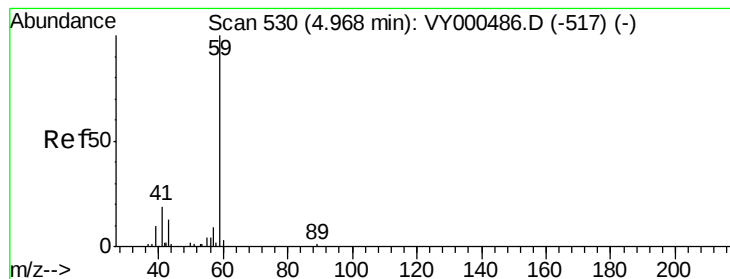


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 11.122 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY000587.D

Acq: 07 Nov 2019 17:40

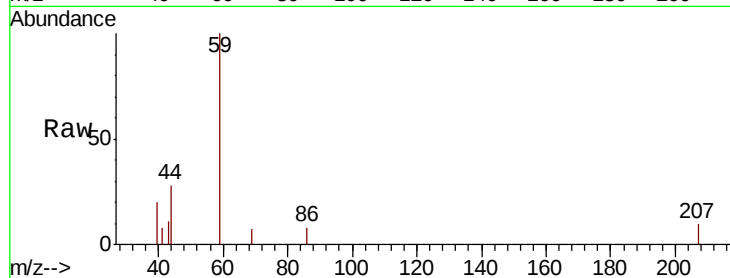
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 59 Resp: 2335

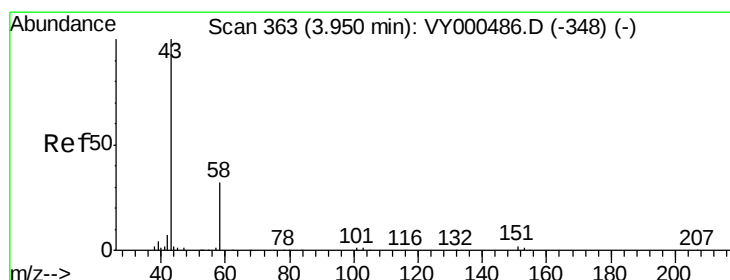
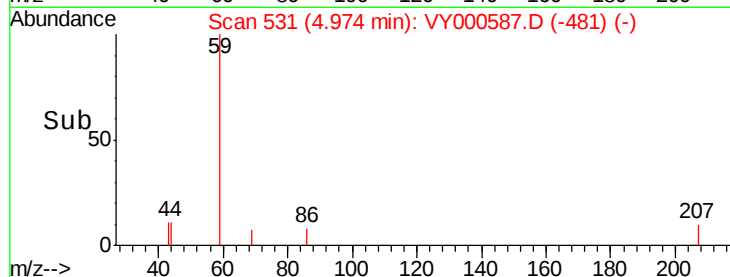
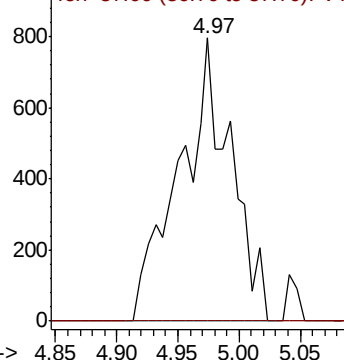
Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



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



#16

Acetone

Concen: 93.714 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000587.D

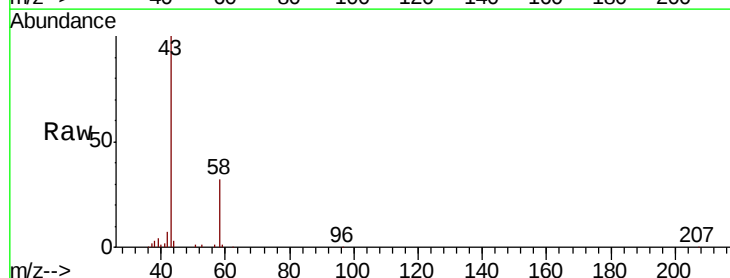
Acq: 07 Nov 2019 17:40

Tgt Ion: 43 Resp: 55708

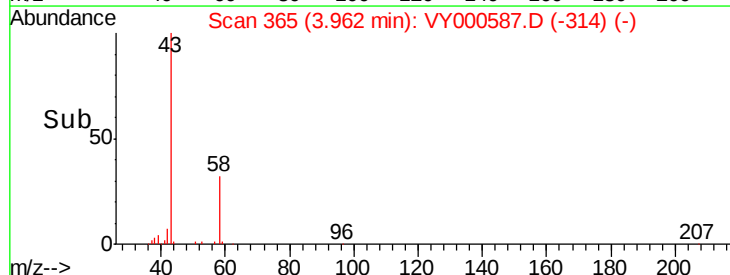
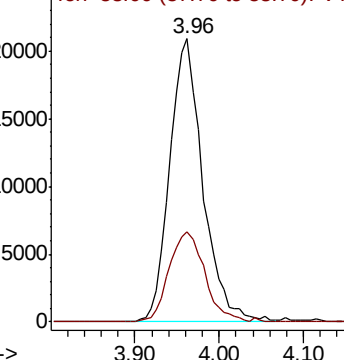
Ion Ratio Lower Upper

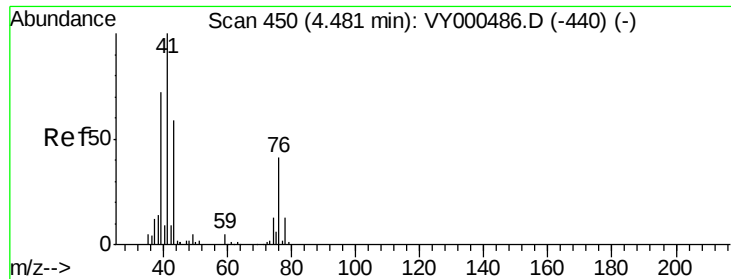
43 100

58 32.0 25.8 38.6



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

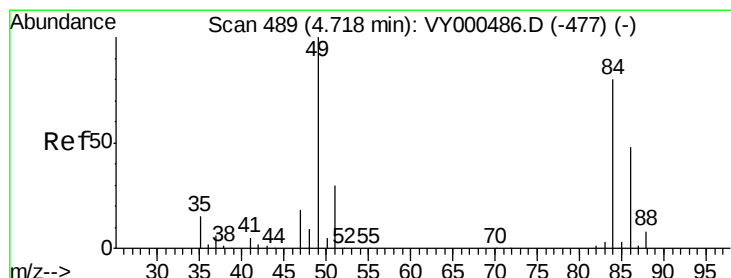
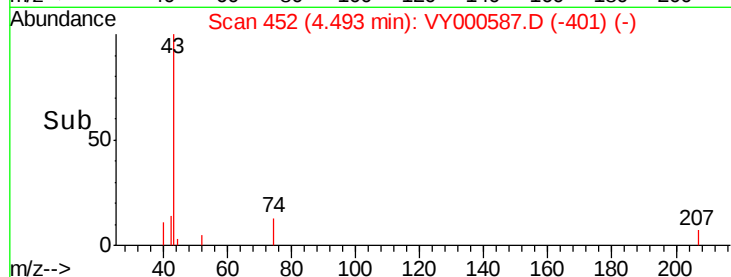
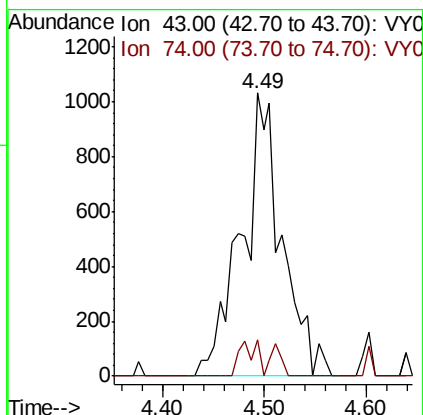
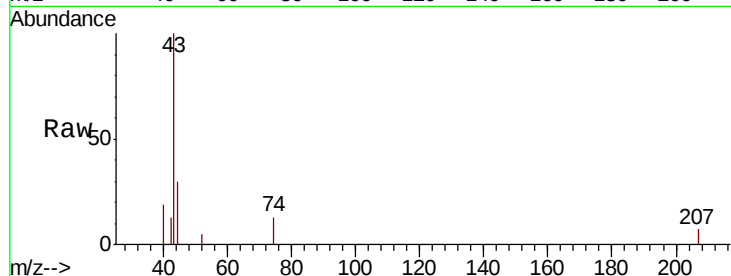




#18
Methyl Acetate
Concen: 1.539 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000587.D
Acq: 07 Nov 2019 17:40

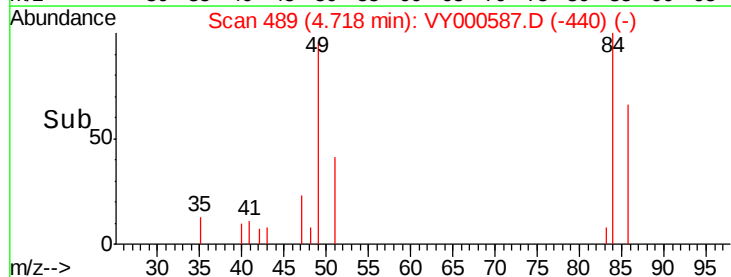
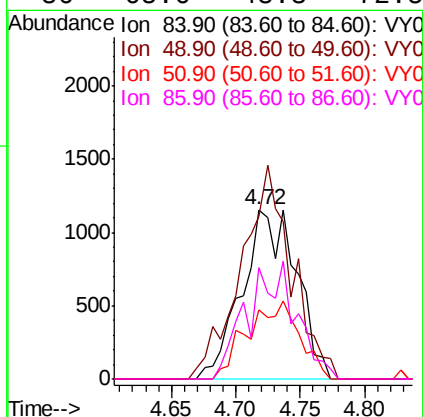
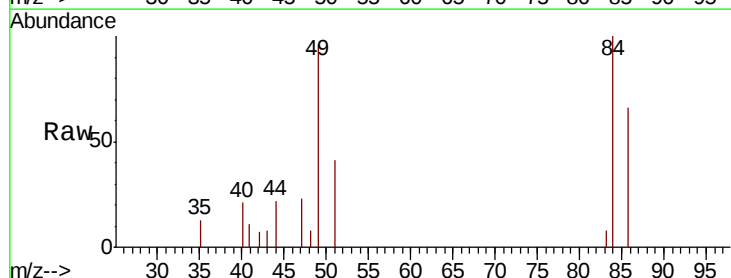
Instrument :
MSVOA_Y
ClientSampled :

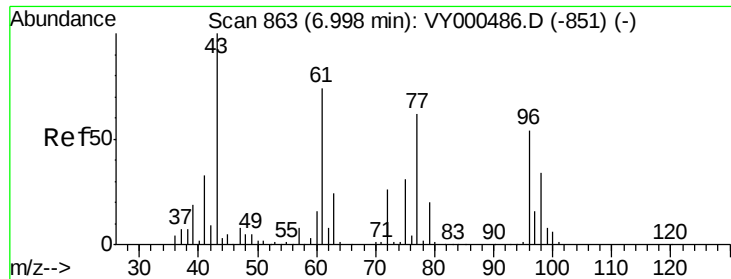
Tot Ion: 43 Resp: 2844
Ion Ratio Lower Upper
43 100
74 5.3 19.2 28.8#



#20
Methylene Chloride
Concen: 1.331 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000587.D
Acq: 07 Nov 2019 17:40

Tgt Ion: 84 Resp: 3391
Ion Ratio Lower Upper
84 100
49 96.3 100.2 150.4#
51 41.0 29.6 44.4
86 65.6 48.3 72.5





#25

2-Butanone

Concen: 9.367 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY000587.D

Acq: 07 Nov 2019 17:40

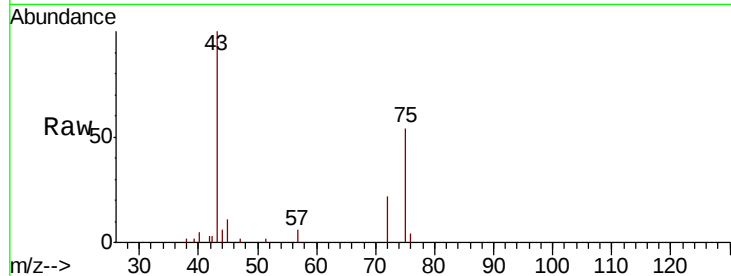
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 8886

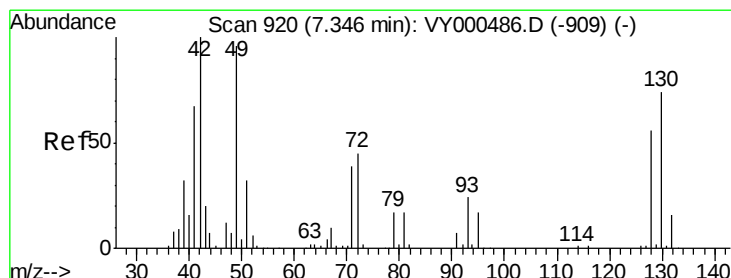
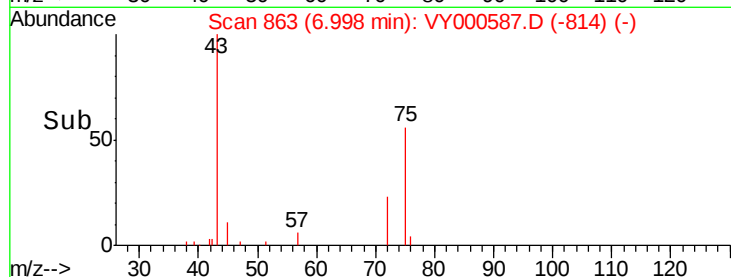
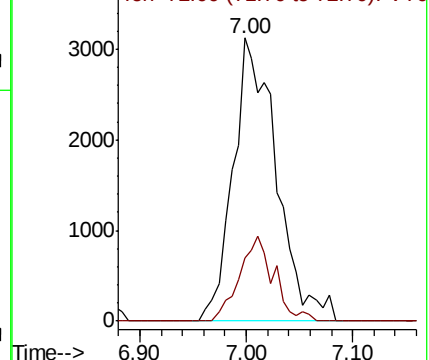
Ion Ratio Lower Upper

43 100

72 22.2 20.9 31.3



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



#28

Bromochloromethane

Concen: 4.124 ug/l

RT: 7.31 min Scan# 914

Delta R.T. -0.04 min

Lab File: VY000587.D

Acq: 07 Nov 2019 17:40

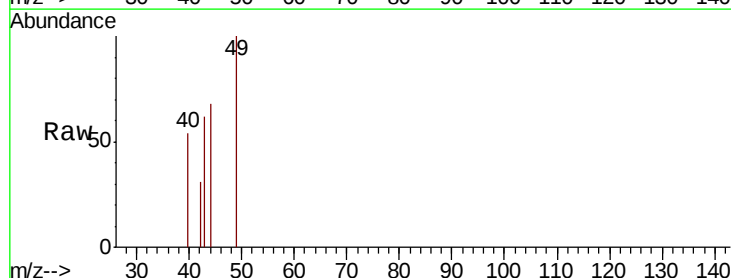
Tgt Ion: 49 Resp: 63

Ion Ratio Lower Upper

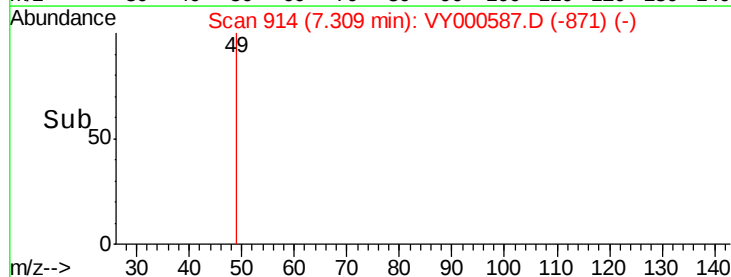
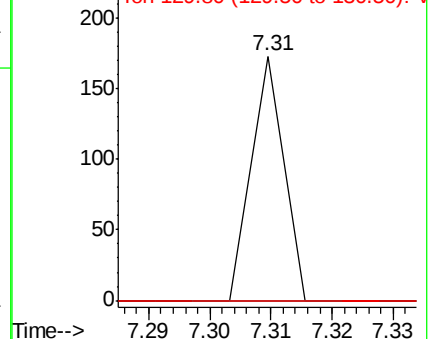
49 100

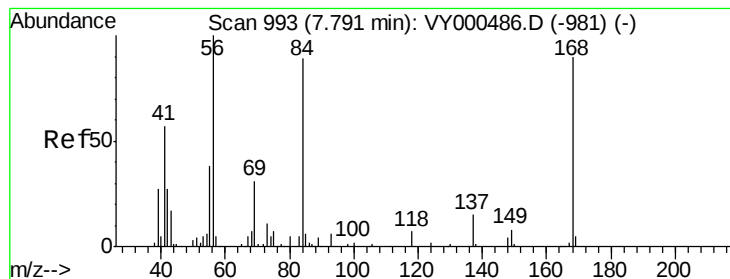
129 0.0 0.0 3.6

130 0.0 59.4 89.0#



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





#31

Cyclohexane

Concen: 1.432 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000587.D

Acq: 07 Nov 2019 17:40

Instrument :
MSVOA_Y
ClientSampled :

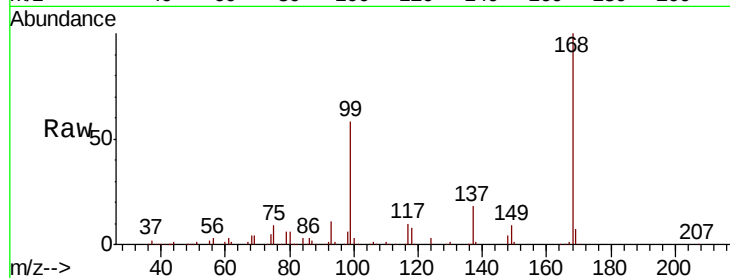
Tot Ion: 56 Resp: 5980

Ion Ratio Lower Upper

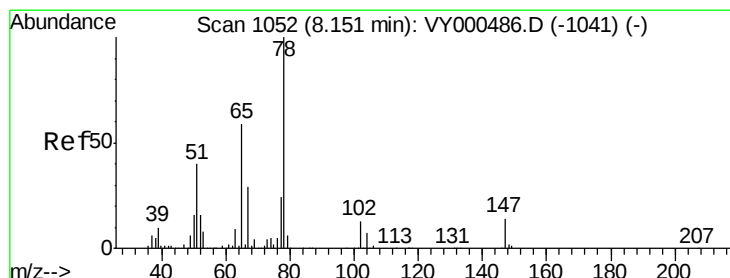
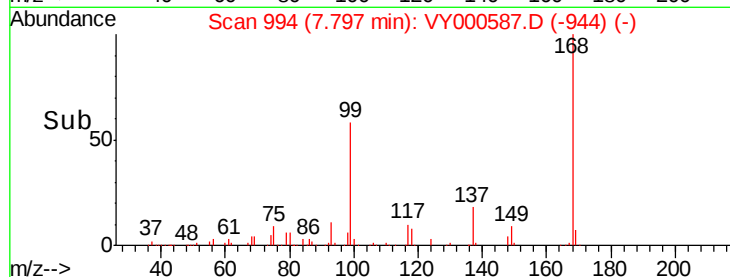
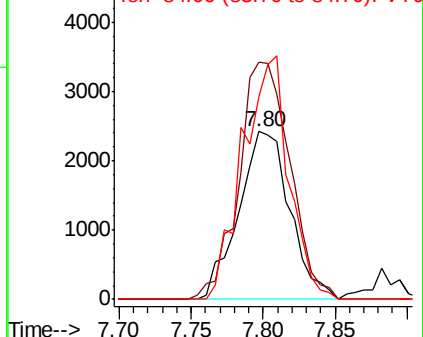
56 100

69 140.8 25.0 37.6#

84 120.6 71.4 107.2#



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: 58.541 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000587.D

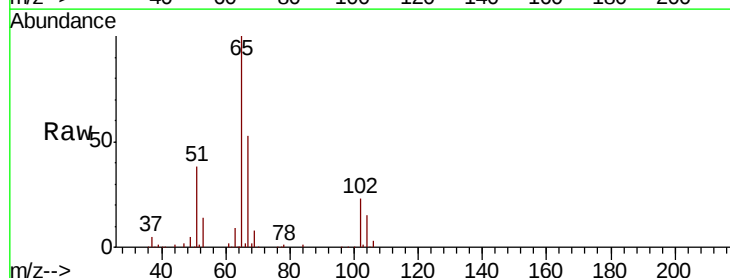
Acq: 07 Nov 2019 17:40

Tgt Ion: 65 Resp: 126262

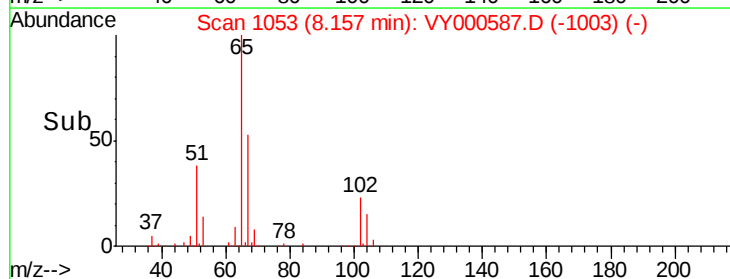
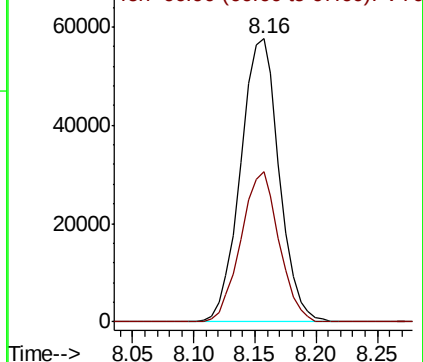
Ion Ratio Lower Upper

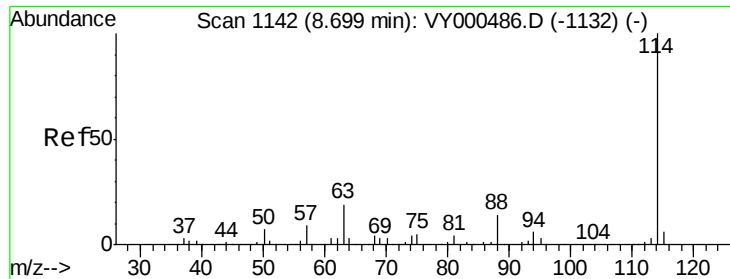
65 100

67 52.6 0.0 107.2



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

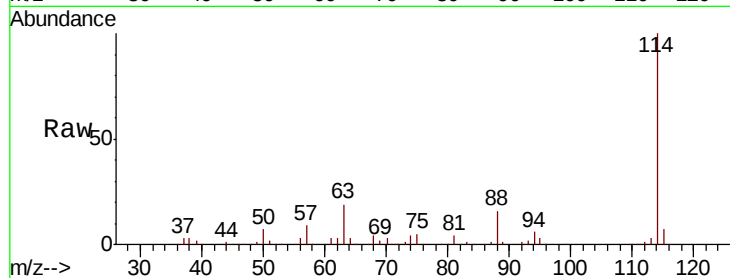




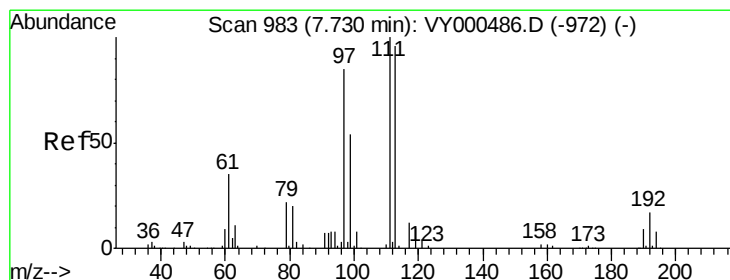
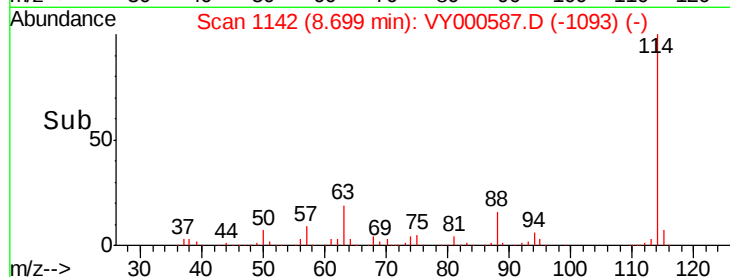
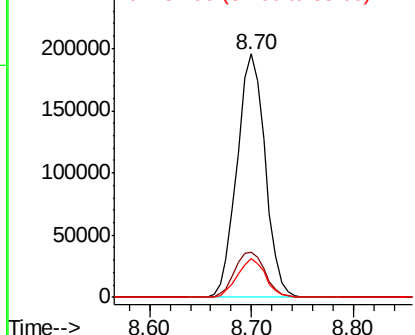
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000587.D
 Acq: 07 Nov 2019 17:40

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 373799
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.0
 88 15.8 0.0 28.6

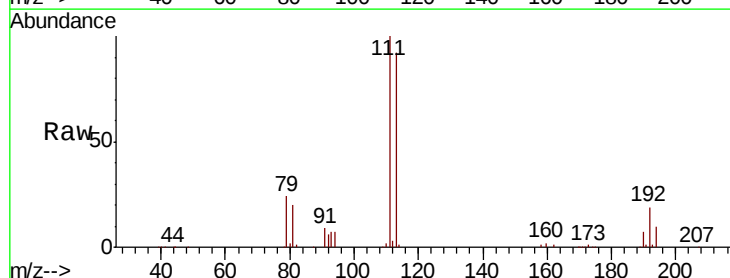


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

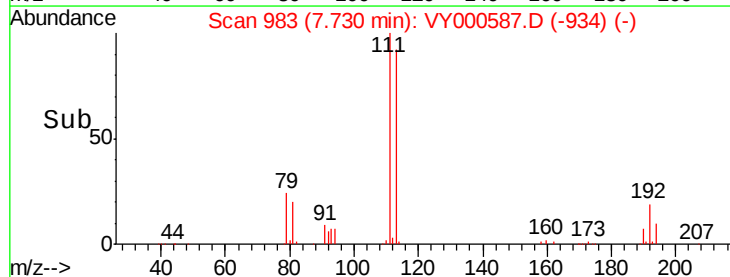
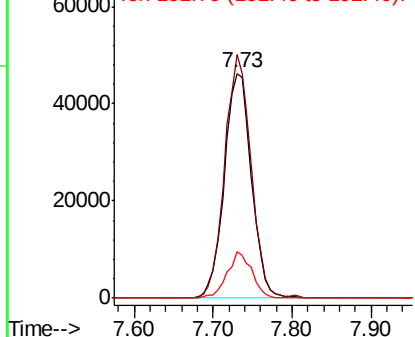


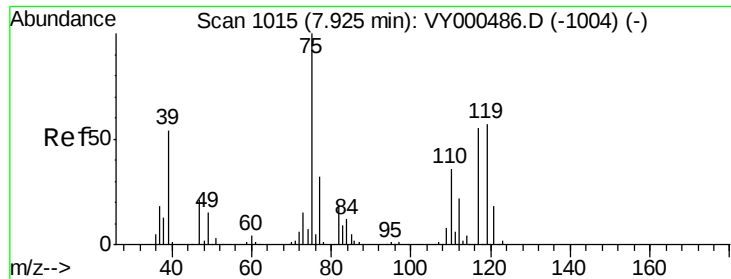
#35
 Dibromofluoromethane
 Concen: 50.424 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000587.D
 Acq: 07 Nov 2019 17:40

Tgt Ion:113 Resp: 110652
 Ion Ratio Lower Upper
 113 100
 111 104.6 81.7 122.5
 192 18.9 15.0 22.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

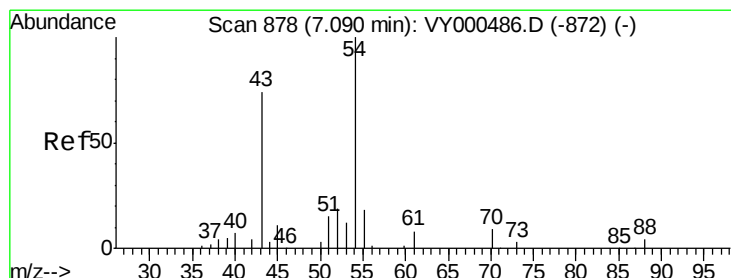
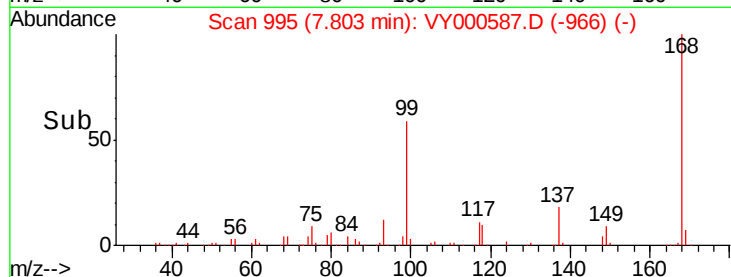
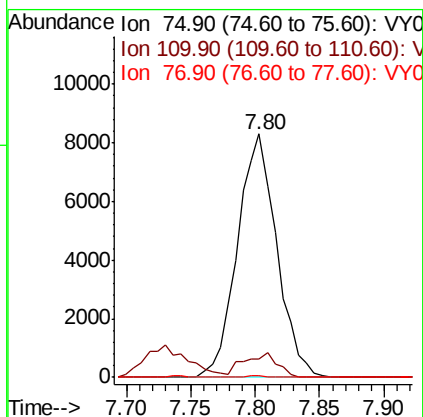
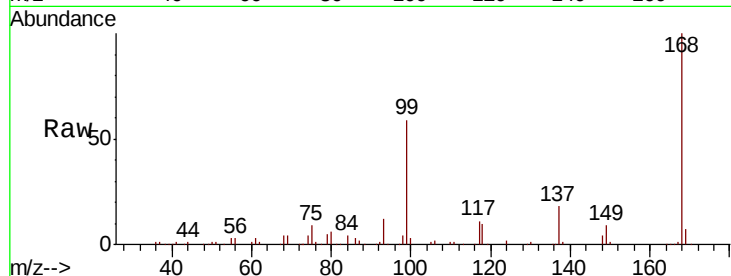




#36
 1,1-Dichloropropene
 Concen: 4.935 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000587.D
 Acq: 07 Nov 2019 17:40

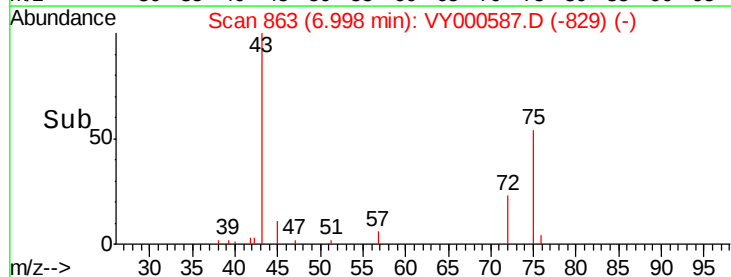
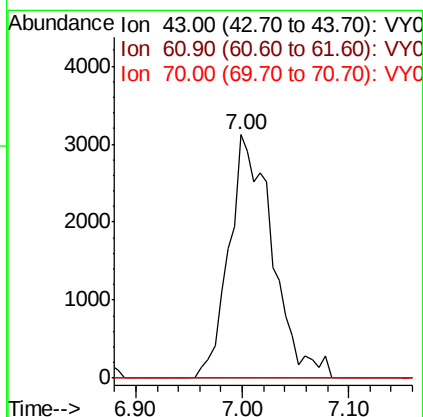
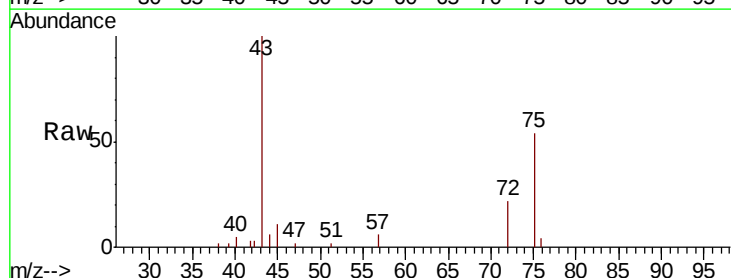
Instrument :
 MSVOA_Y
 ClientSampled :

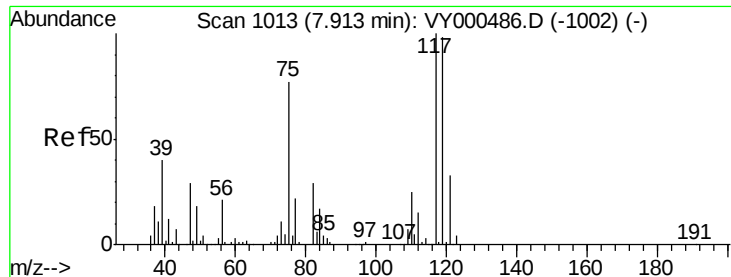
Tot Ion: 75 Resp: 17440
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.1#
 77 0.3 25.0 37.6#



#37
 Ethyl Acetate
 Concen: 4.236 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.09 min
 Lab File: VY000587.D
 Acq: 07 Nov 2019 17:40

Tgt Ion: 43 Resp: 8886
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.2#
 70 0.0 7.8 11.8#

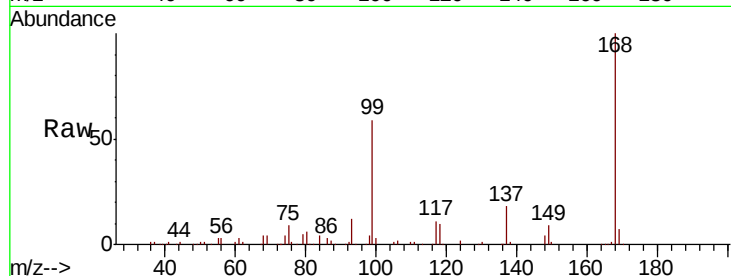




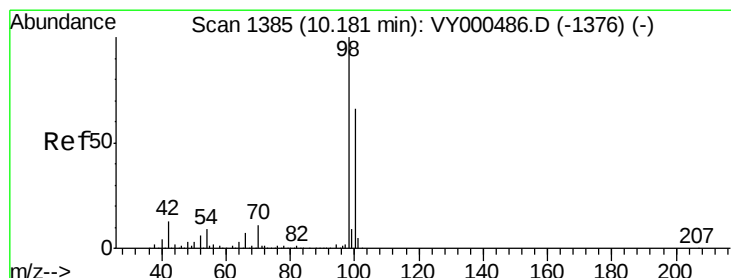
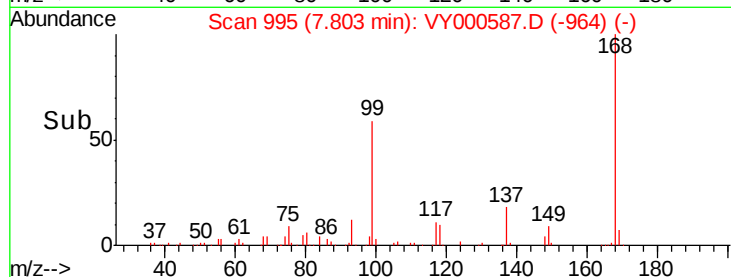
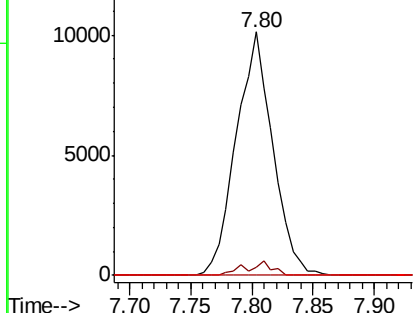
#38
Carbon Tetrachloride
Concen: 6.174 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000587.D
Acq: 07 Nov 2019 17:40

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 20994
Ion Ratio Lower Upper
117 100
119 3.2 78.0 117.0#
121 0.0 26.6 40.0#

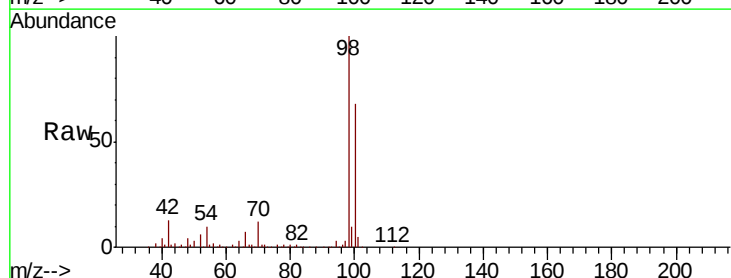


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

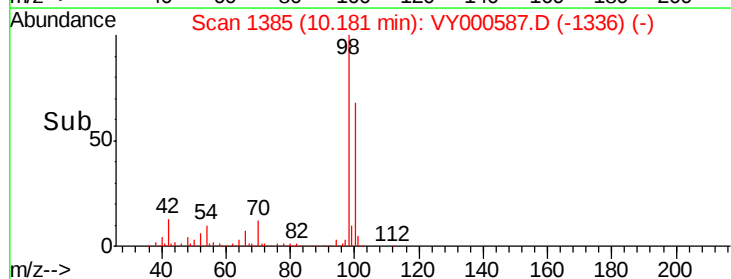
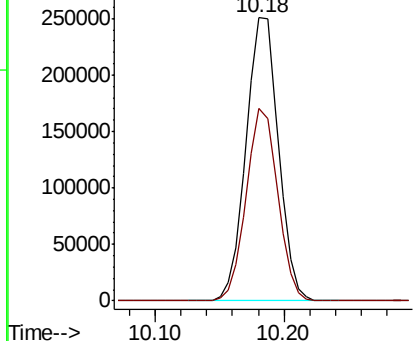


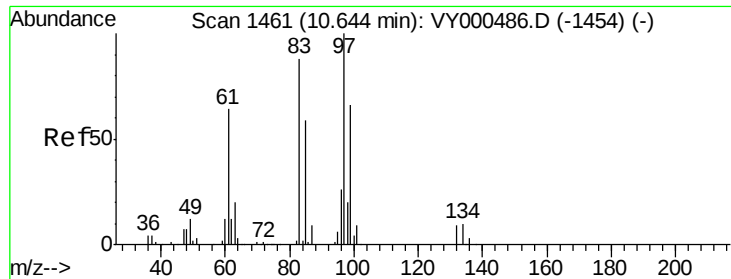
#50
Toluene-d8
Concen: 52.213 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY000587.D
Acq: 07 Nov 2019 17:40

Tgt Ion: 98 Resp: 434766
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

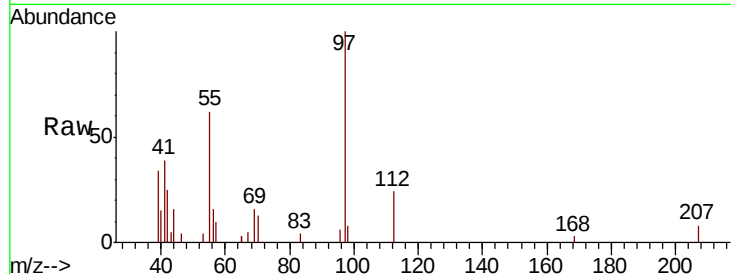




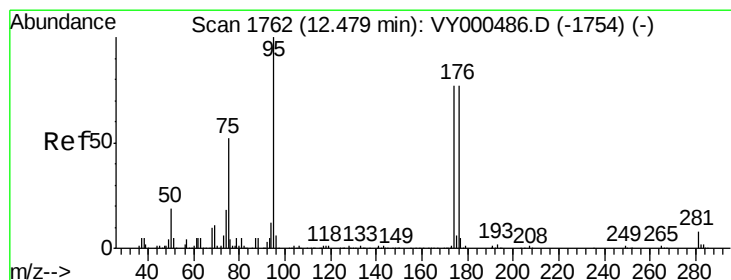
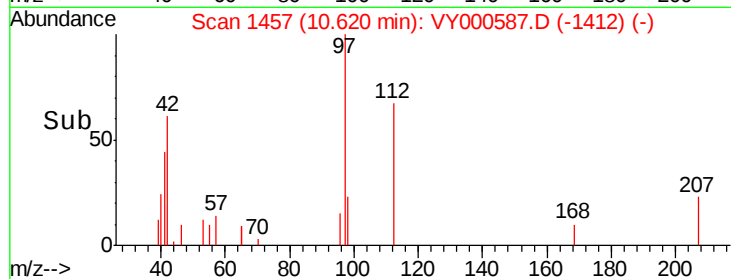
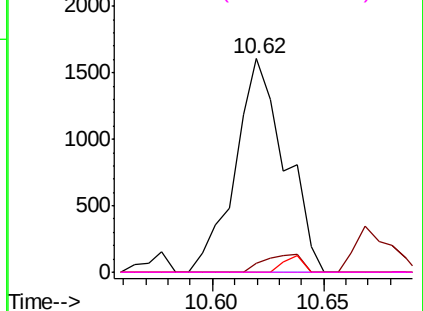
#55
 1,1,2-Trichloroethane
 Concen: 1.235 ug/l
 RT: 10.62 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: VY000587.D
 Acq: 07 Nov 2019 17:40

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 97 Resp: 2504
 Ion Ratio Lower Upper
 97 100
 83 4.3 70.2 105.4#
 85 0.0 46.9 70.3#
 99 0.0 52.6 78.8#

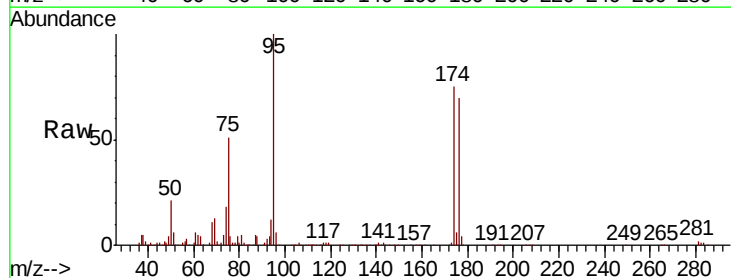


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

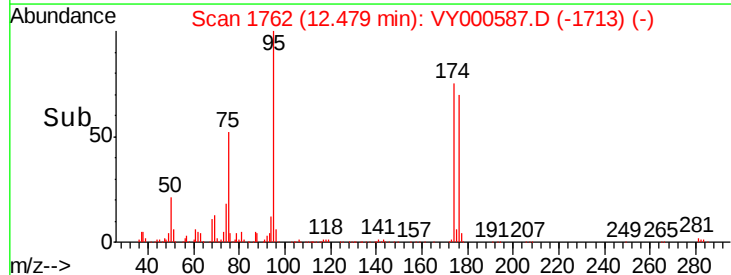
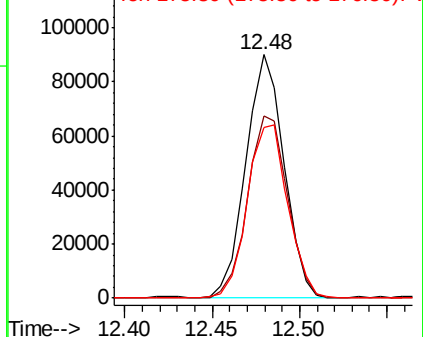


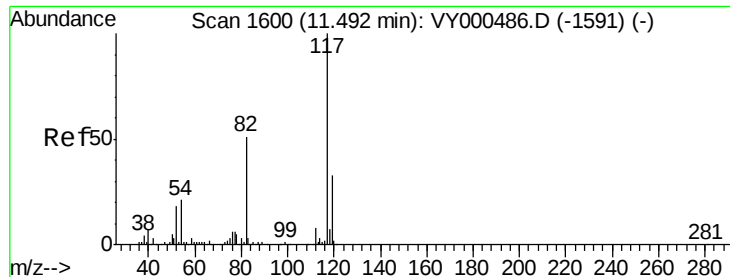
#62
 4-Bromofluorobenzene
 Concen: 43.066 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY000587.D
 Acq: 07 Nov 2019 17:40

Tgt Ion: 95 Resp: 136518
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 161.6
 176 75.5 0.0 157.8



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

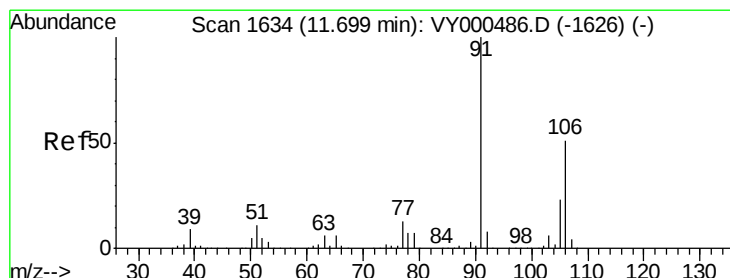
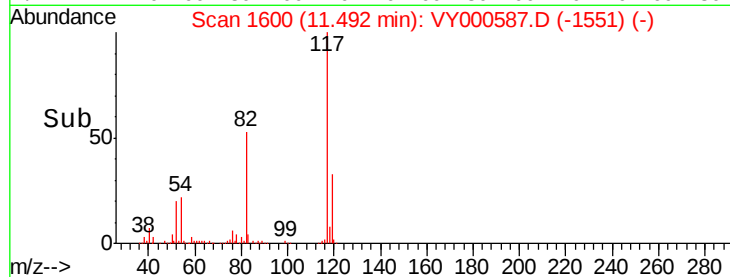
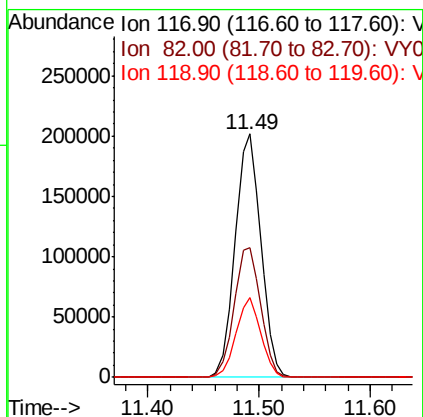
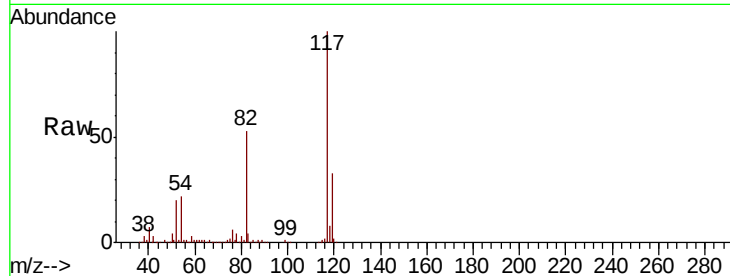




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000587.D
Acq: 07 Nov 2019 17:40

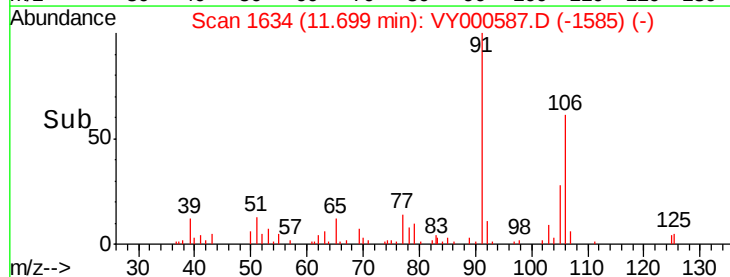
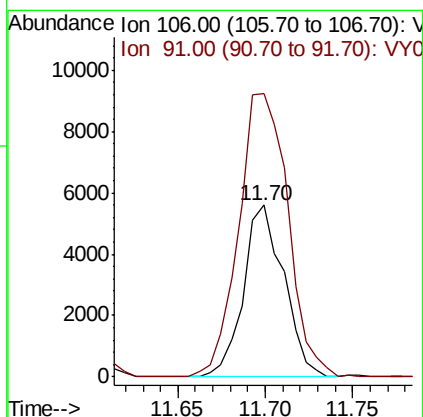
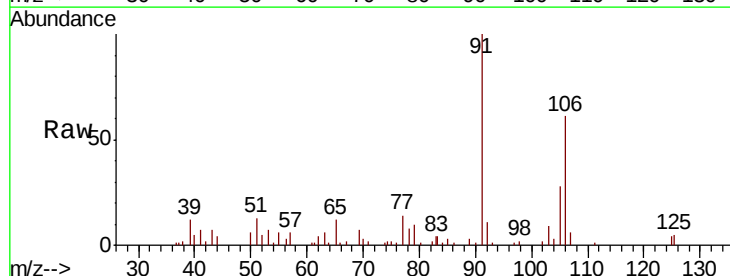
Instrument :
MSVOA_Y
ClientSampleId :

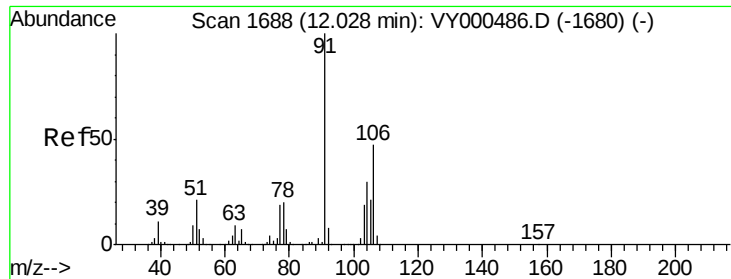
Tot Ion:117 Resp: 322581
Ion Ratio Lower Upper
117 100
82 53.4 40.8 61.2
119 32.5 26.2 39.2



#68
m/p-Xylenes
Concen: 1.920 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000587.D
Acq: 07 Nov 2019 17:40

Tgt Ion:106 Resp: 8944
Ion Ratio Lower Upper
106 100
91 202.5 155.9 233.9

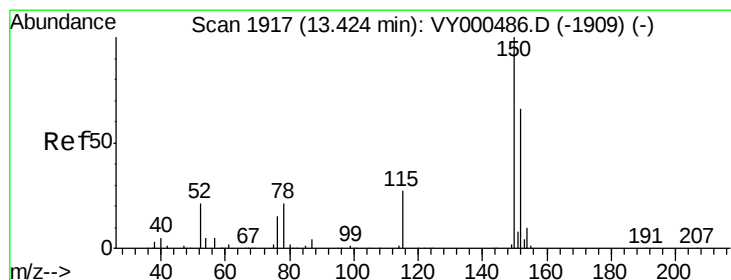
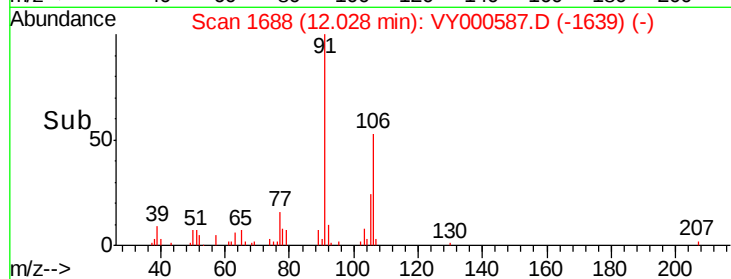
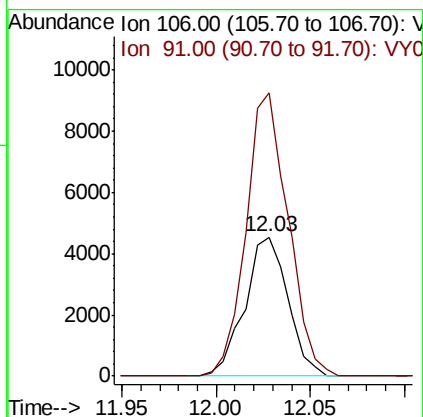
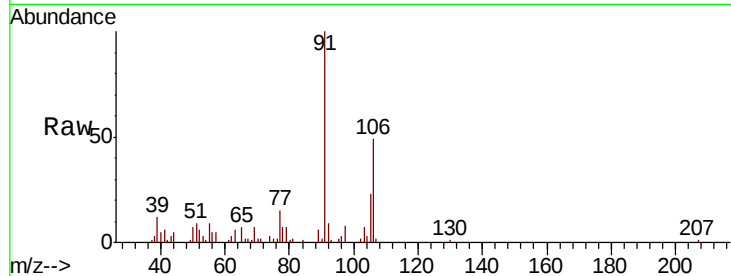




#69
o-Xylene
Concen: 1.652 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000587.D
Acq: 07 Nov 2019 17:40

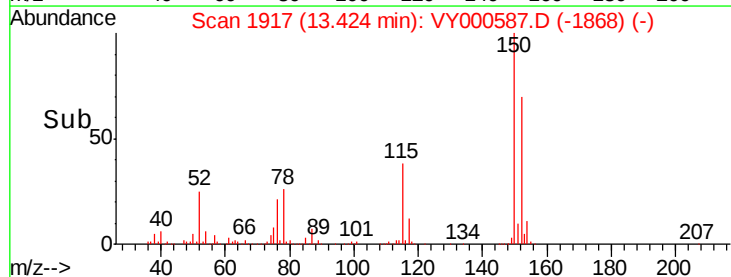
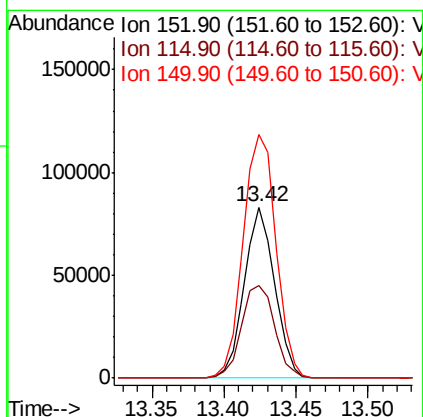
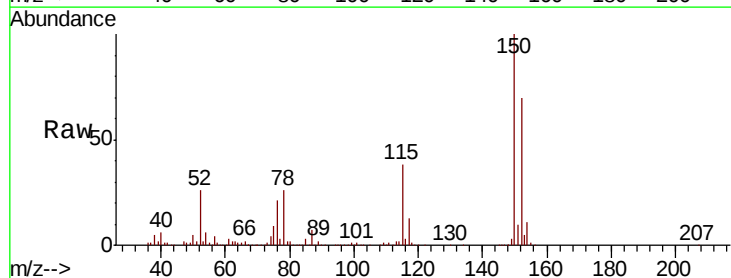
Instrument :
MSVOA_Y
ClientSampled :

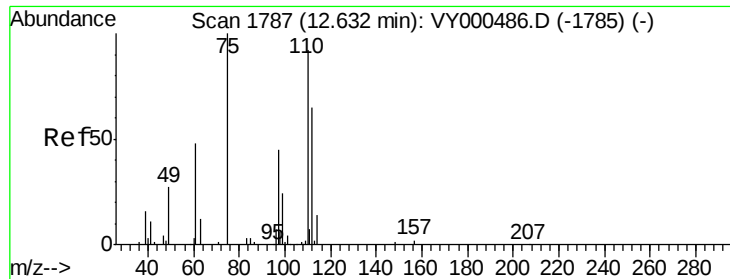
Tot Ion:106 Resp: 7235
Ion Ratio Lower Upper
106 100
91 197.7 106.5 319.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000587.D
Acq: 07 Nov 2019 17:40

Tgt Ion:152 Resp: 121039
Ion Ratio Lower Upper
152 100
115 59.5 29.1 87.4
150 153.8 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 52.832 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000587.D

Acq: 07 Nov 2019 17:40

Instrument :

MSVOA_Y

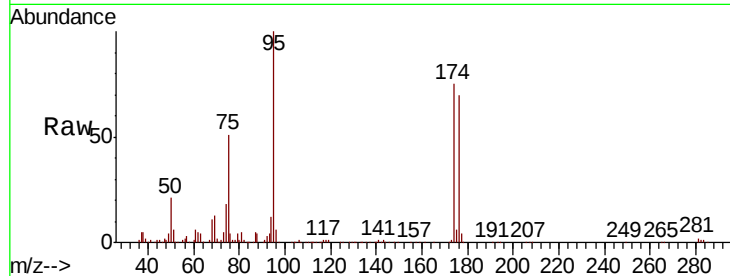
ClientSampleId :

Tot Ion: 75 Resp: 72813

Ion Ratio Lower Upper

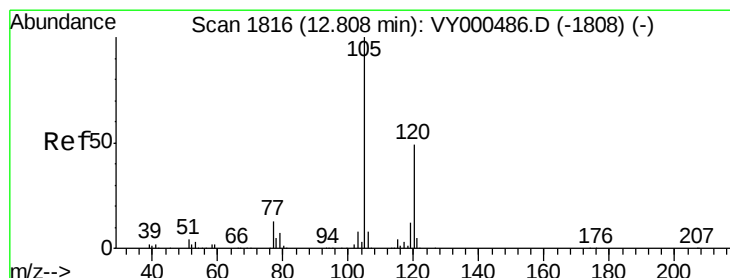
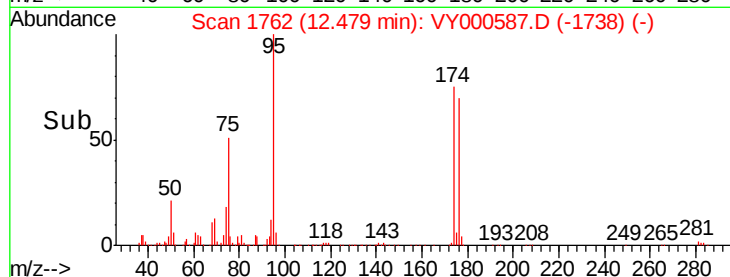
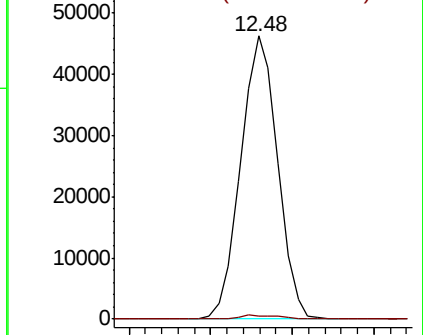
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#80

1,3,5-Trimethylbenzene

Concen: 1.242 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY000587.D

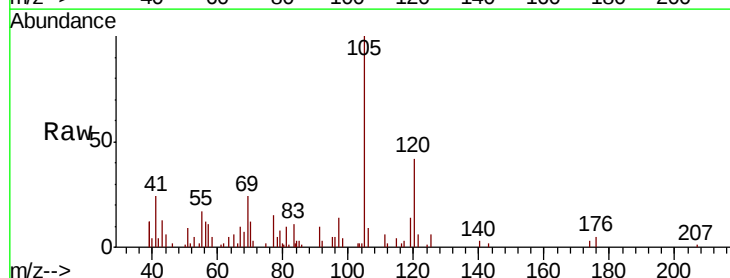
Acq: 07 Nov 2019 17:40

Tgt Ion:105 Resp: 9254

Ion Ratio Lower Upper

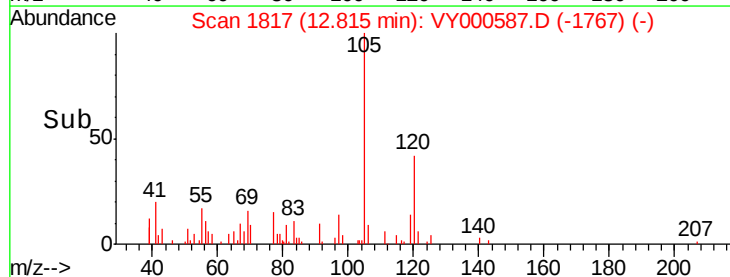
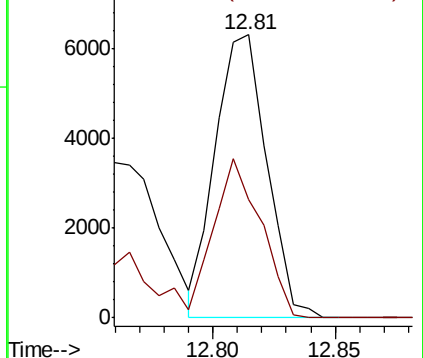
105 100

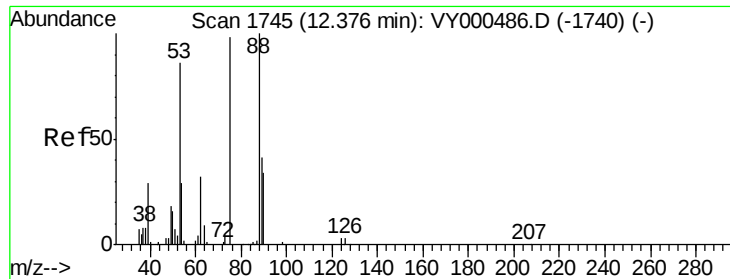
120 51.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 118.457 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000587.D

Acq: 07 Nov 2019 17:40

Instrument :

MSVOA_Y

ClientSampleId :

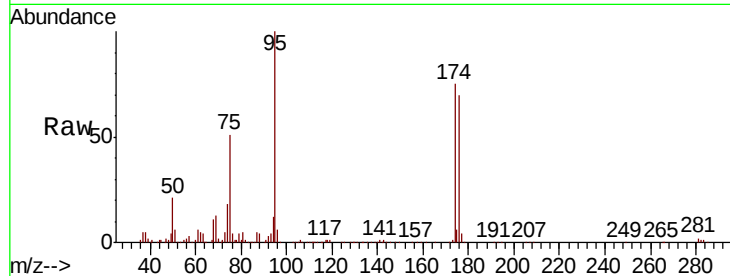
Tot Ion: 75 Resp: 72813

Ion Ratio Lower Upper

75 100

53 0.2 73.2 109.8#

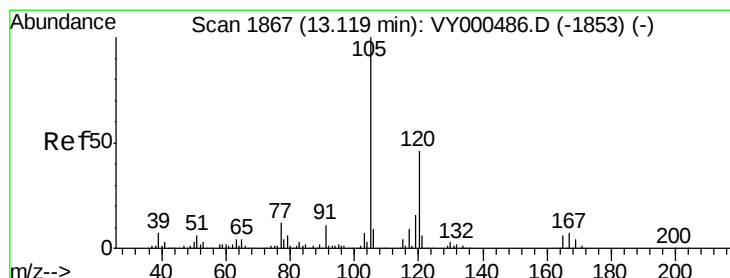
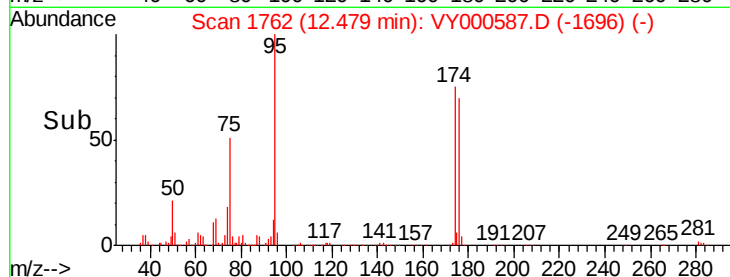
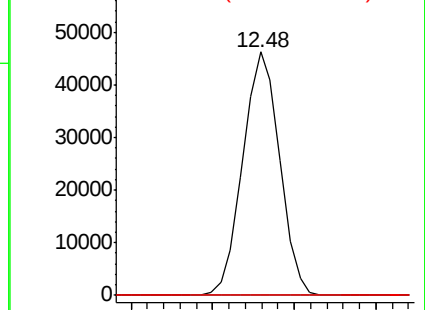
89 0.0 35.9 53.9#



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



#84

1,2,4-Trimethylbenzene

Concen: 2.399 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY000587.D

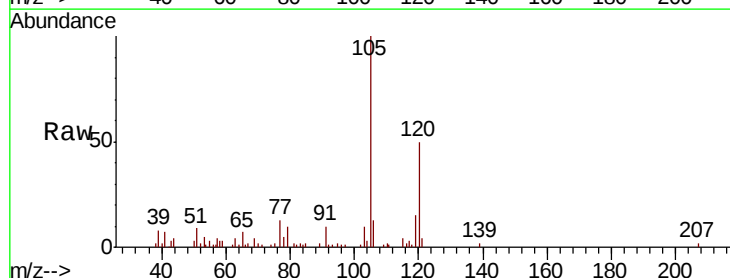
Acq: 07 Nov 2019 17:40

Tgt Ion: 105 Resp: 17797

Ion Ratio Lower Upper

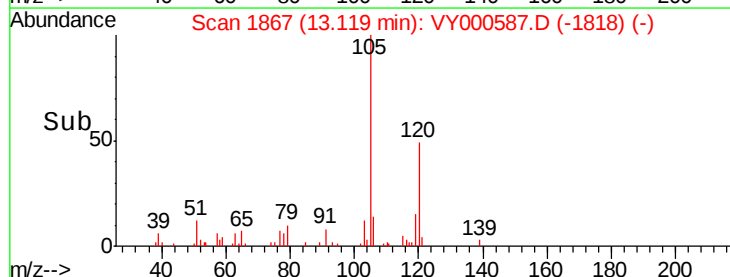
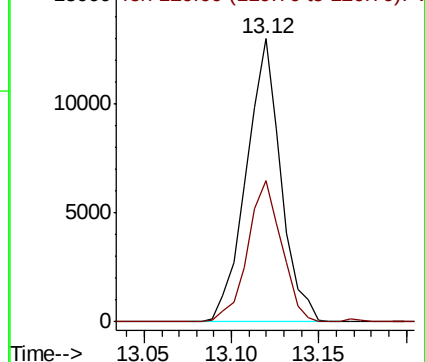
105 100

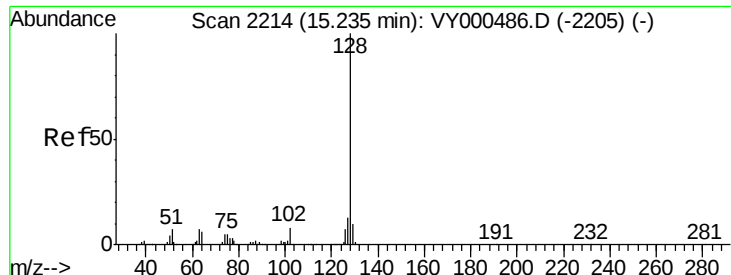
120 49.0 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
 Naphthalene
 Concen: 3.760 ug/l
 RT: 15.23 min Scan# 2213
 Delta R.T. -0.01 min
 Lab File: VY000587.D
 Acq: 07 Nov 2019 17:40

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.8	14.6
129	10.9	8.7	13.1

