

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110619\
 Data File : VY000545.D
 Acq On : 06 Nov 2019 12:57
 Operator : SY/MD
 Sample : K5675-01
 Misc : 6.89G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 07 04:55:49 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	51662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	76368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	53988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	21964	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	22269	41.65	ug/l	0.00
Spiked Amount			Recovery	=	83.30%	
35) Dibromofluoromethane	7.73	113	21628	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
50) Toluene-d8	10.19	98	84566	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.48	95	21112	32.60	ug/l	0.00
Spiked Amount			Recovery	=	65.20%	

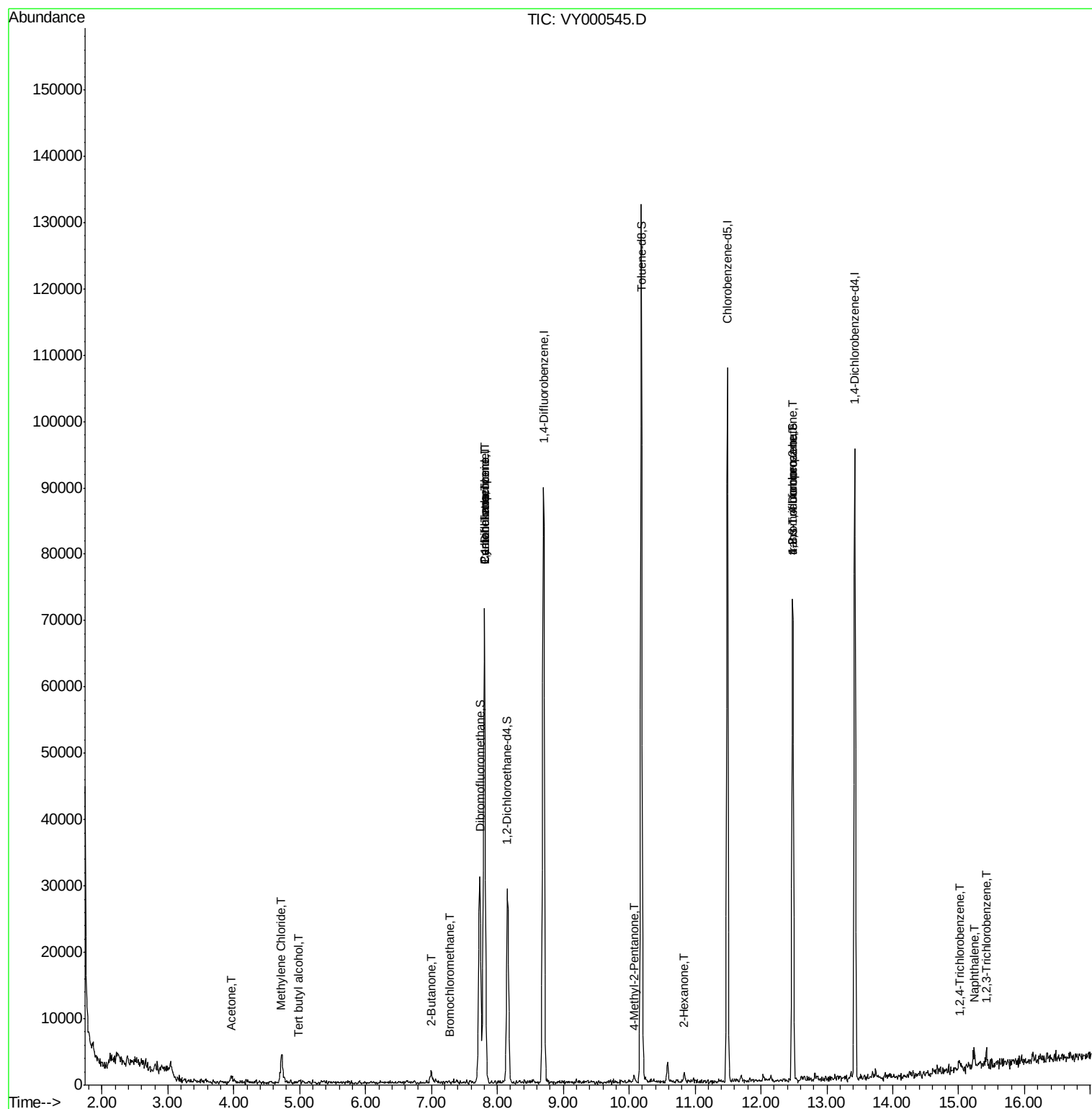
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	56	1.076	ug/l #	72
16) Acetone	3.96	43	1593	10.811	ug/l	96
20) Methylene Chloride	4.72	84	3098	4.907	ug/l #	83
25) 2-Butanone	7.00	43	367	1.561	ug/l #	1
28) Bromochloromethane	7.28	49	39	4.172	ug/l #	14
31) Cyclohexane	7.80	56	1149	1.110	ug/l #	50
36) 1,1-Dichloropropene	7.80	75	4484	6.211	ug/l #	45
38) Carbon Tetrachloride	7.80	117	4949	7.124	ug/l #	11
51) 4-Methyl-2-Pentanone	10.07	43	684	1.598	ug/l #	55
59) 2-Hexanone	10.83	43	1203	3.857	ug/l	98
76) 1,2,3-Trichloropropane	12.48	75	12018	48.055	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	12018	107.745	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.01	180	522	1.172	ug/l	91
95) Naphthalene	15.23	128	2637	2.667	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.42	180	659	1.649	ug/l #	82

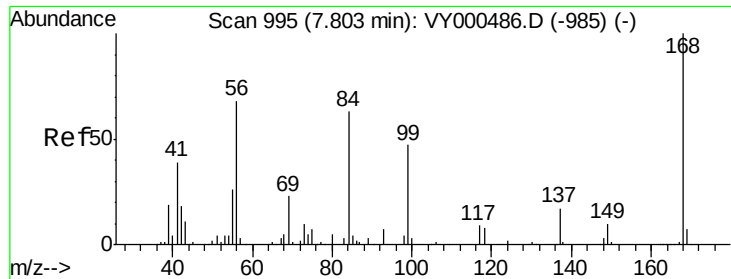
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000545.D

Acq: 06 Nov 2019 12:57

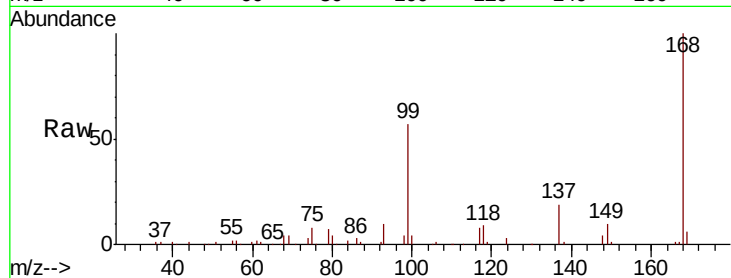
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 51662

Ion Ratio Lower Upper

168 100

99 56.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

25000

20000

15000

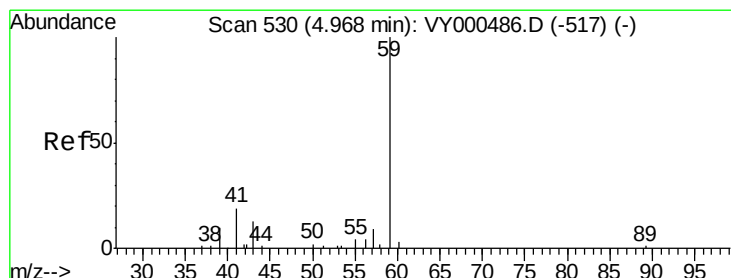
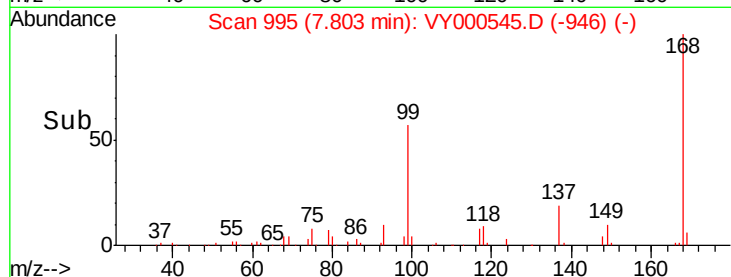
10000

5000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#11

Tert butyl alcohol

Concen: 1.076 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY000545.D

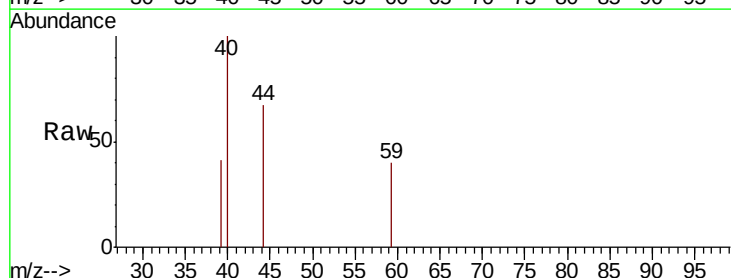
Acq: 06 Nov 2019 12:57

Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY000486.D (-517) (-)

Ion 57.00 (56.70 to 57.70): VY000486.D (-517) (-)

4.97

100

80

60

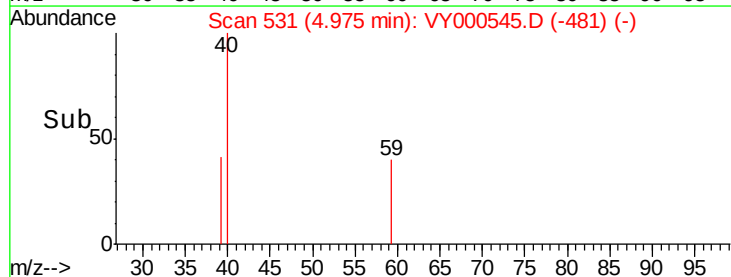
40

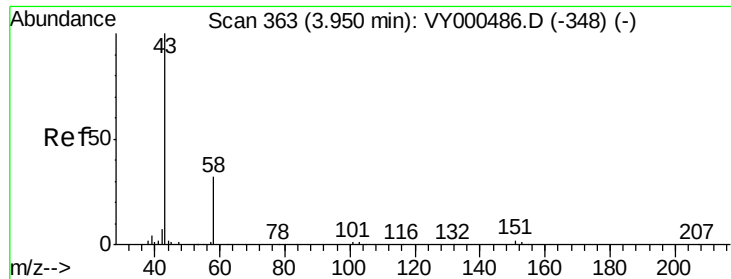
20

0

4.96 4.98

Time-->





#16

Acetone

Concen: 10.811 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000545.D

Acq: 06 Nov 2019 12:57

Instrument :

MSVOA_Y

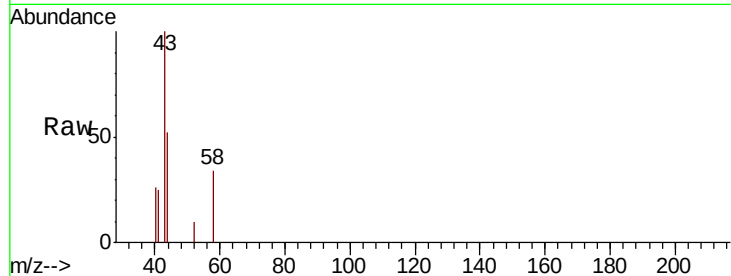
ClientSampleId :

Tot Ion: 43 Resp: 1593

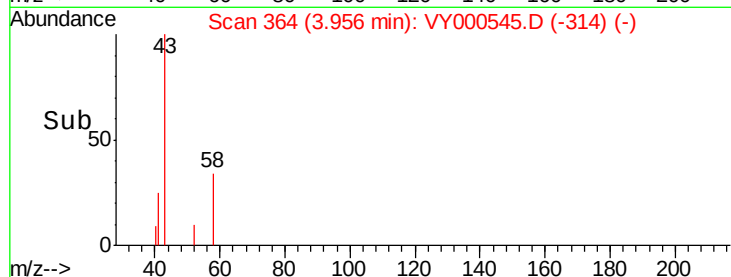
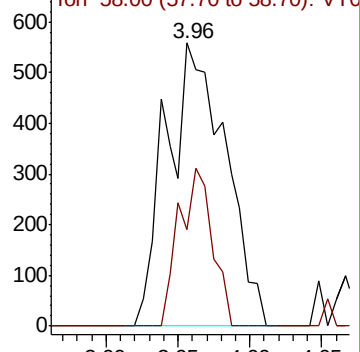
Ion Ratio Lower Upper

43 100

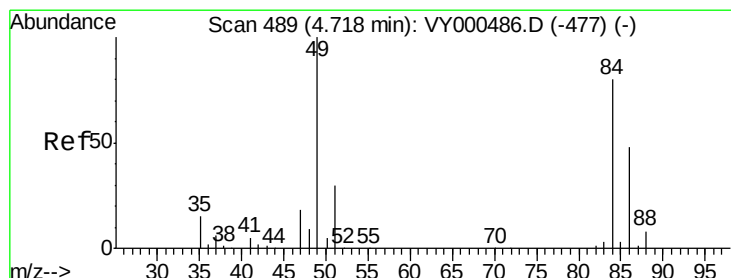
58 34.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-348) (-)



Time-->



#20

Methylene Chloride

Concen: 4.907 ug/l

RT: 4.72 min Scan# 489

Delta R.T. 0.00 min

Lab File: VY000545.D

Acq: 06 Nov 2019 12:57

Tgt Ion: 84 Resp: 3098

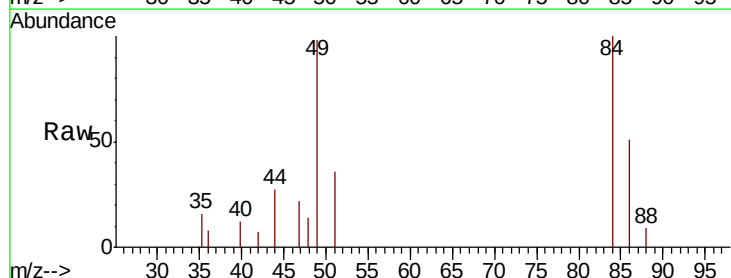
Ion Ratio Lower Upper

84 100

49 97.6 100.2 150.4#

51 35.5 29.6 44.4

86 51.5 48.3 72.5

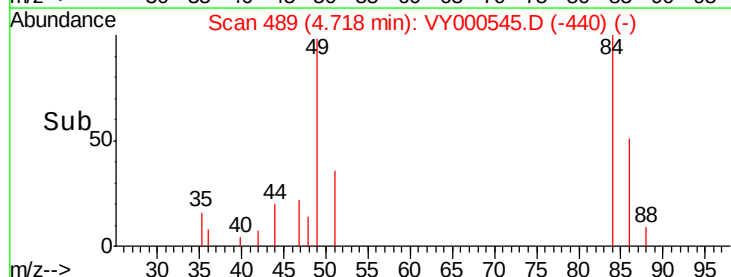
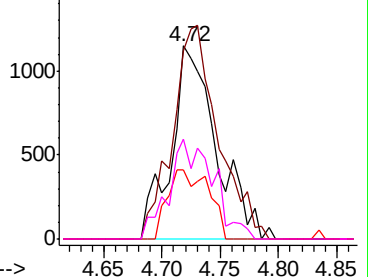


Abundance Ion 83.90 (83.60 to 84.60): VY000486.D (-477) (-)

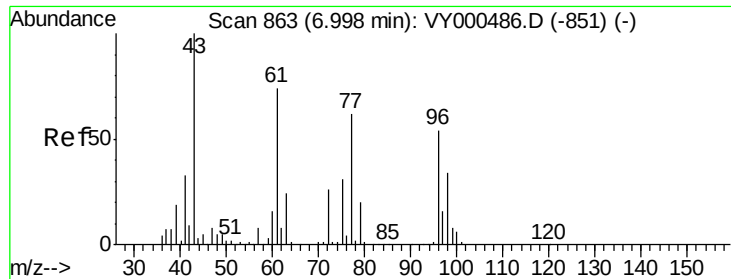
Ion 48.90 (48.60 to 49.60): VY000486.D (-477) (-)

Ion 50.90 (50.60 to 51.60): VY000486.D (-477) (-)

Ion 85.90 (85.60 to 86.60): VY000486.D (-477) (-)



Time-->



#25

2-Butanone

Concen: 1.561 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY000545.D

Acq: 06 Nov 2019 12:57

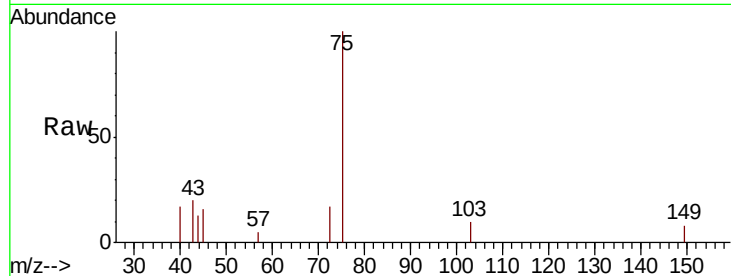
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 367

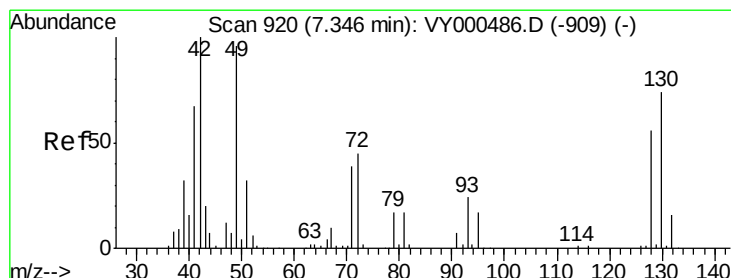
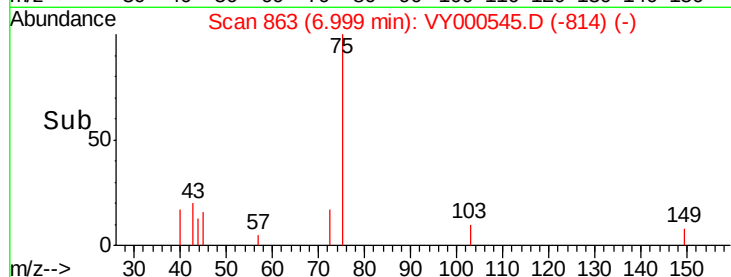
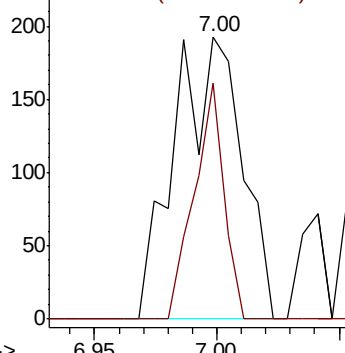
Ion Ratio Lower Upper

43 100

72 83.4 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: 4.172 ug/l

RT: 7.28 min Scan# 909

Delta R.T. -0.07 min

Lab File: VY000545.D

Acq: 06 Nov 2019 12:57

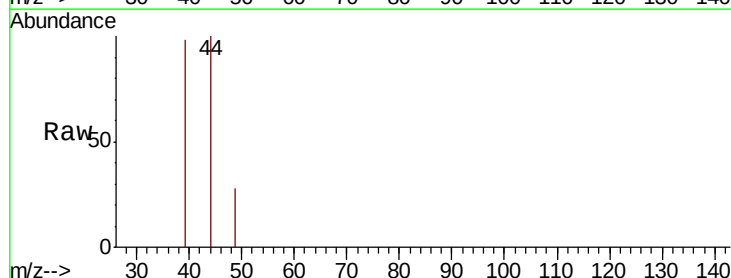
Tgt Ion: 49 Resp: 39

Ion Ratio Lower Upper

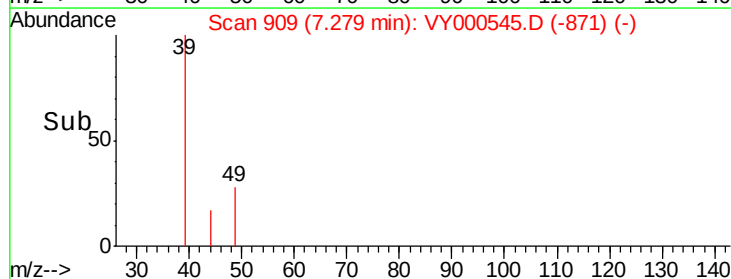
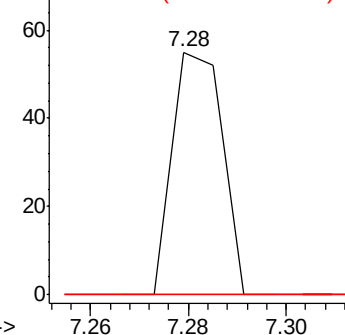
49 100

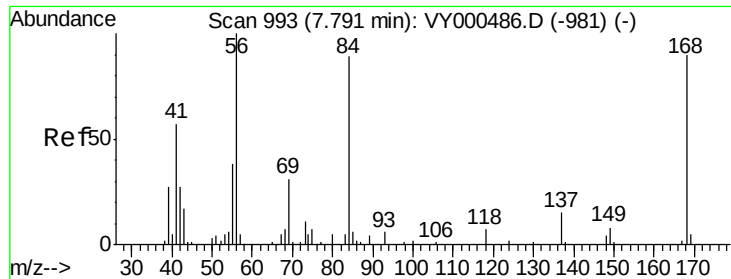
129 0.0 0.0 3.6

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

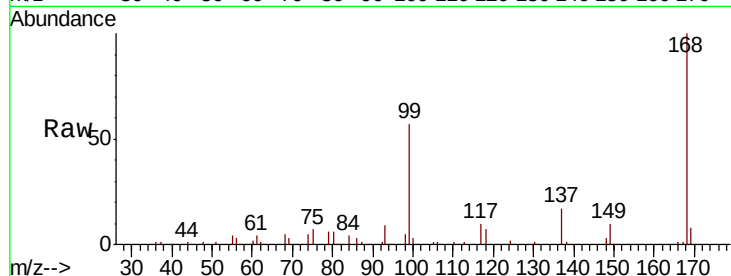




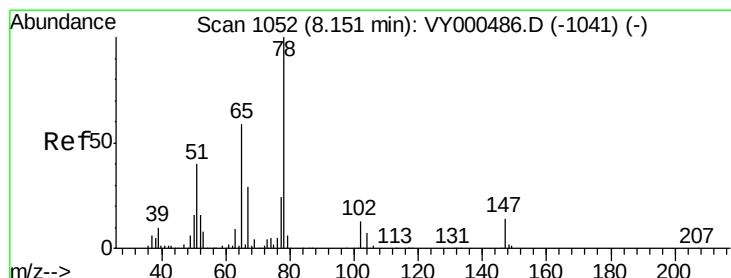
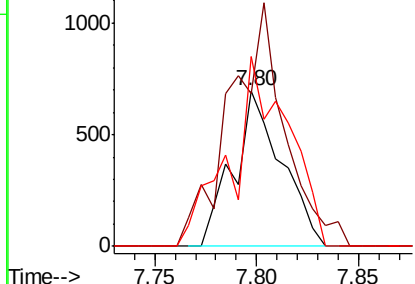
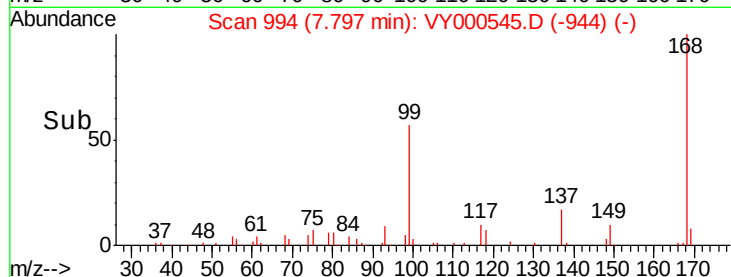
#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000545.D
Acq: 06 Nov 2019 12:57

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 1149
Ion Ratio Lower Upper
56 100
69 82.4 25.0 37.6#
84 122.4 71.4 107.2#

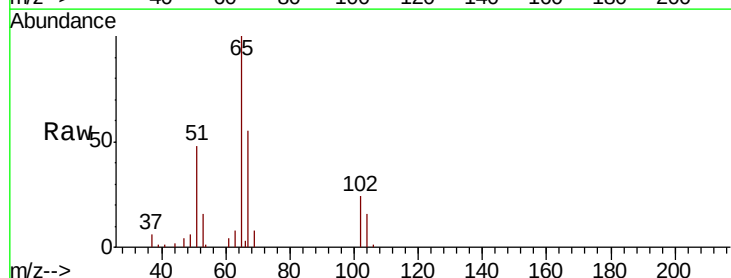


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

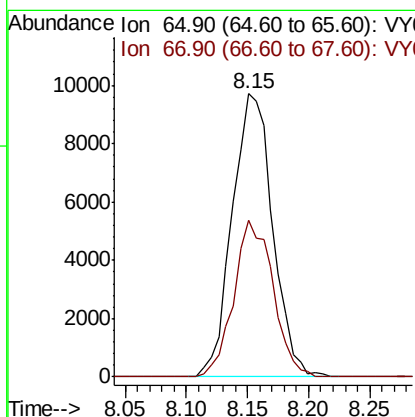
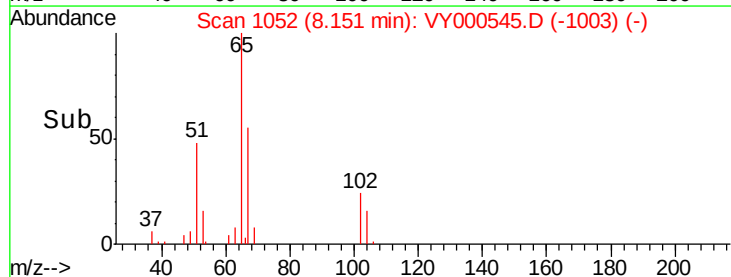


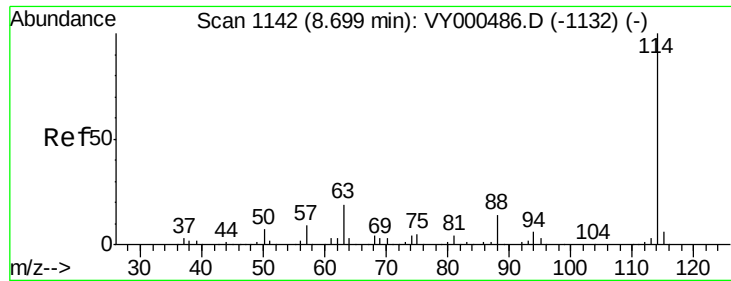
#33
1,2-Dichloroethane-d4
Concen: 41.653 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY000545.D
Acq: 06 Nov 2019 12:57

Tgt Ion: 65 Resp: 22269
Ion Ratio Lower Upper
65 100
67 53.7 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: VY000545.D

Acq: 06 Nov 2019 12:57

Instrument :

MSVOA_Y

ClientSampleId :

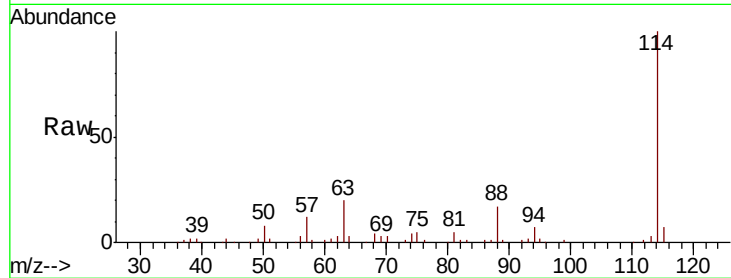
Tot Ion:114 Resp: 76368

Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.0

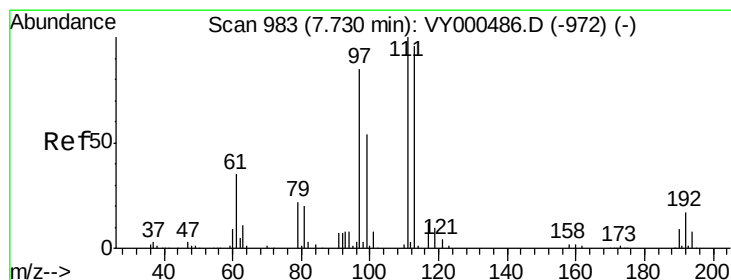
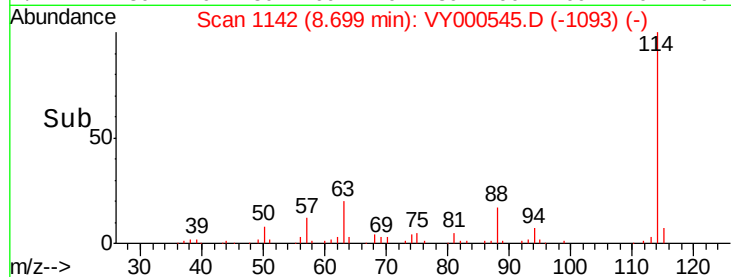
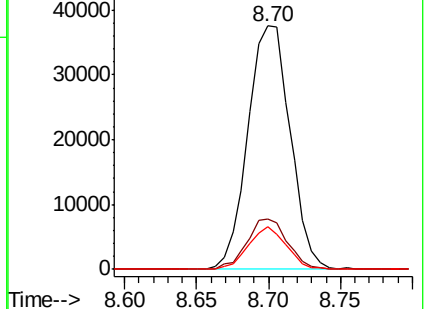
88 17.4 0.0 28.6



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: 48.241 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000545.D

Acq: 06 Nov 2019 12:57

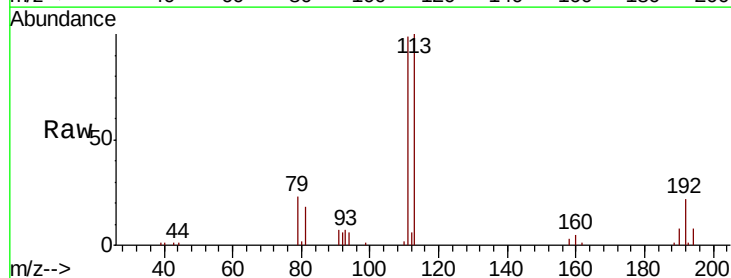
Tgt Ion:113 Resp: 21628

Ion Ratio Lower Upper

113 100

111 99.8 81.7 122.5

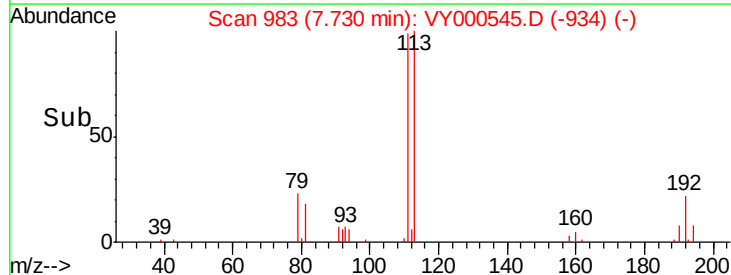
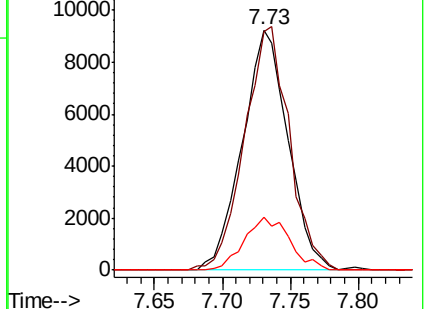
192 22.0 15.0 22.4

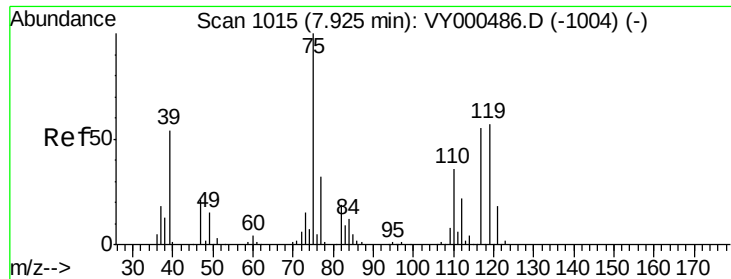


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

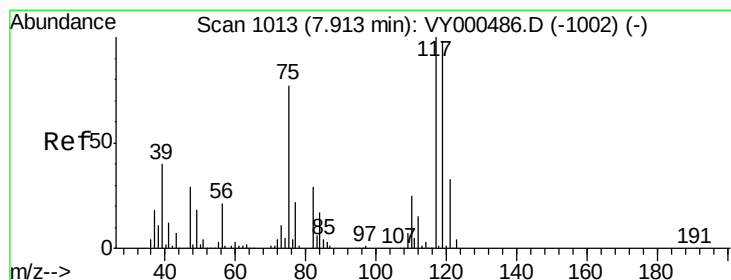
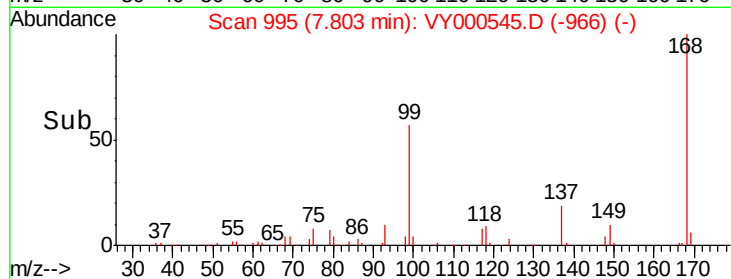
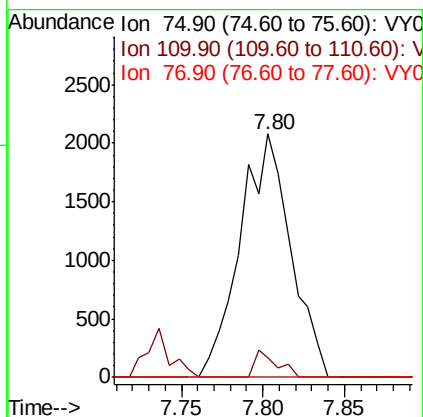
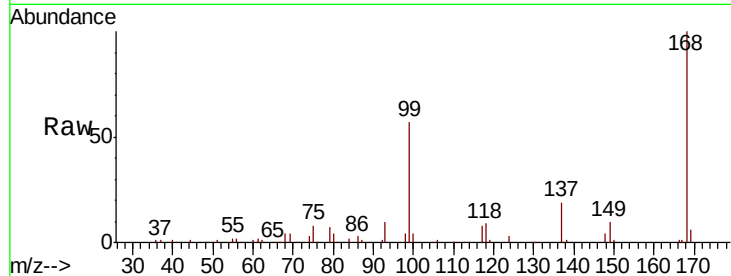




#36
 1,1-Dichloropropene
 Concen: 6.211 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000545.D
 Acq: 06 Nov 2019 12:57

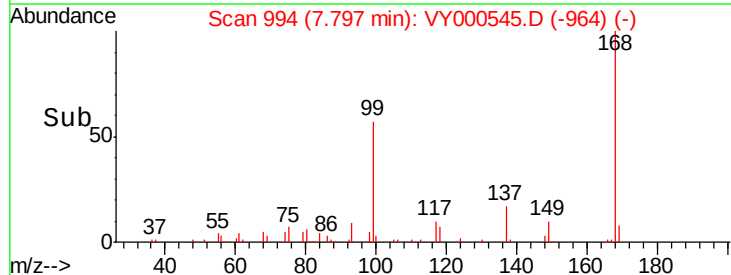
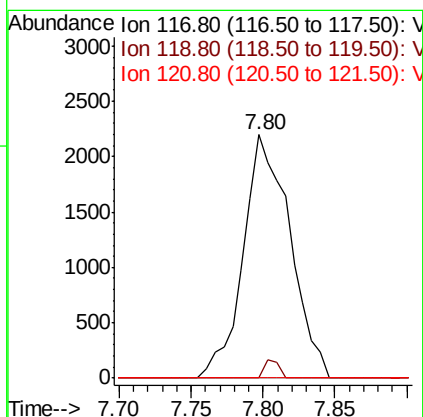
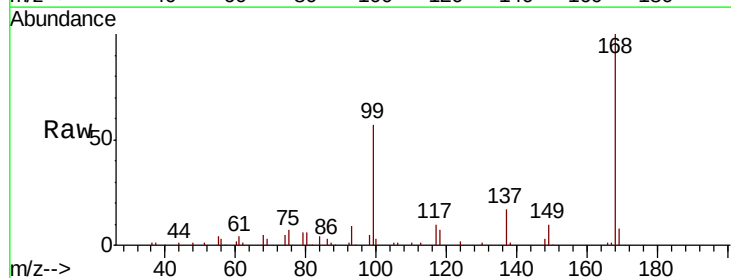
Instrument :
 MSVOA_Y
 ClientSampled :

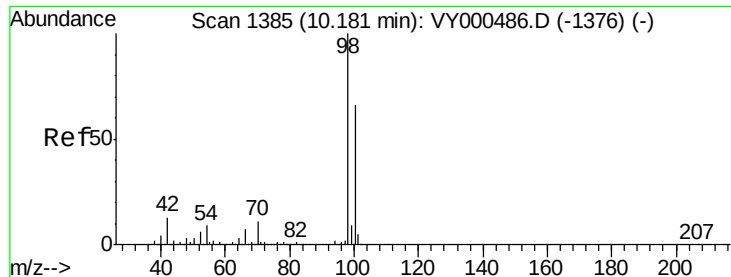
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.9	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 7.124 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000545.D
 Acq: 06 Nov 2019 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	78.0	117.0#
121	0.0	26.6	40.0#





#50

Toluene-d8

Concen: 49.710 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VY000545.D

Acq: 06 Nov 2019 12:57

Instrument :

MSVOA_Y

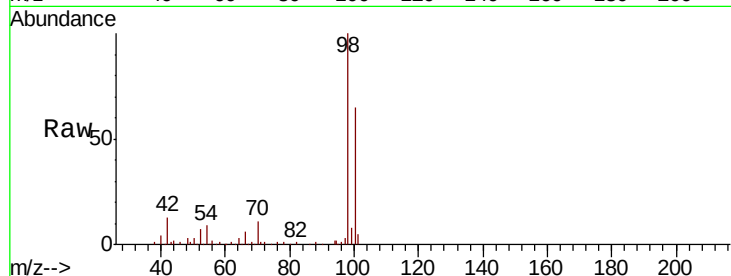
ClientSampled :

Tot Ion: 98 Resp: 84566

Ion Ratio Lower Upper

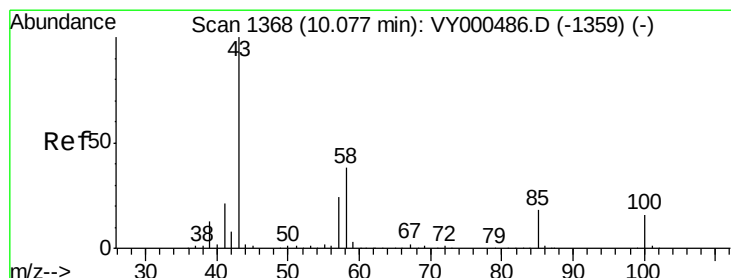
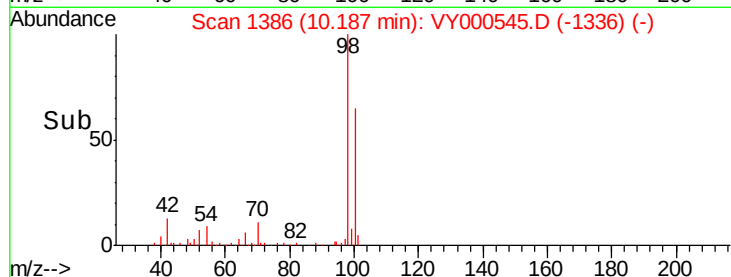
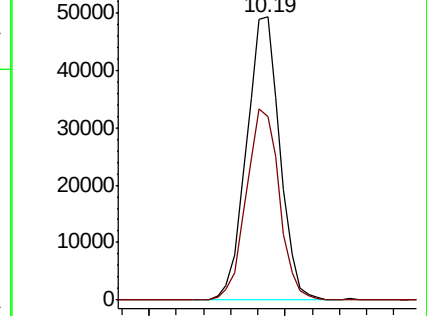
98 100

100 67.0 52.9 79.3



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: 1.598 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY000545.D

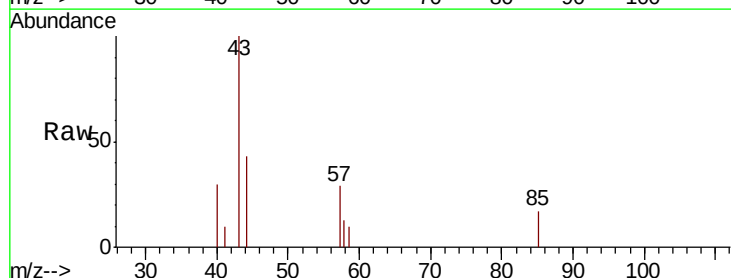
Acq: 06 Nov 2019 12:57

Tgt Ion: 43 Resp: 684

Ion Ratio Lower Upper

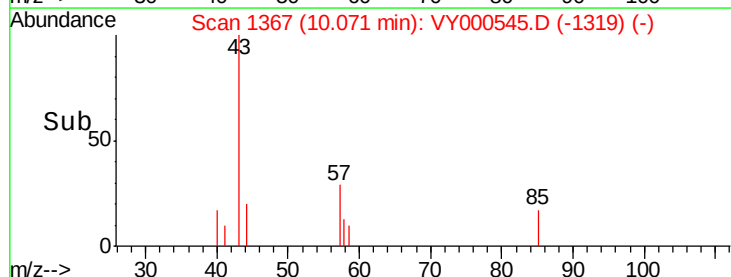
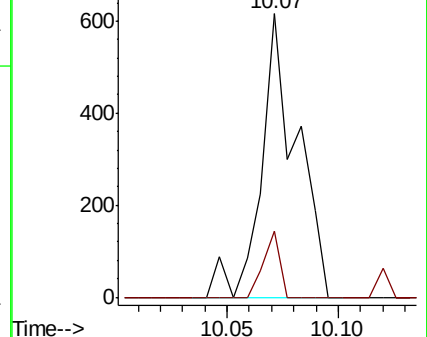
43 100

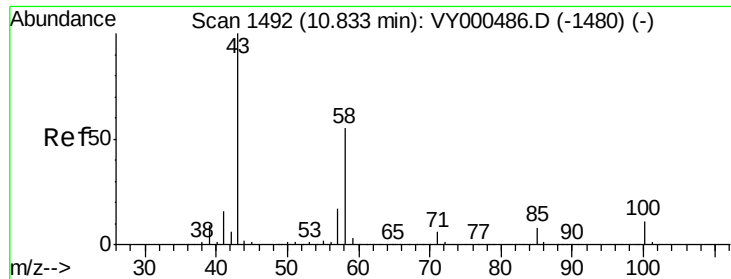
58 10.7 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

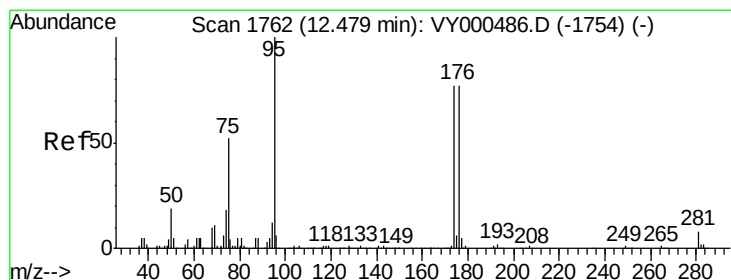
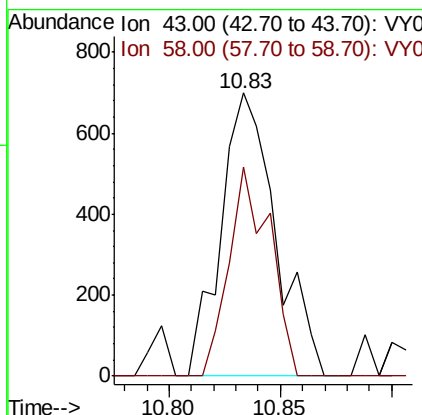
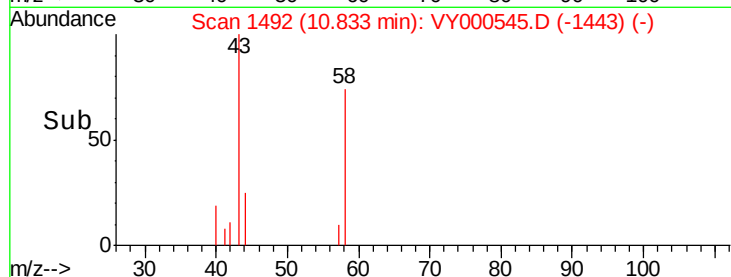
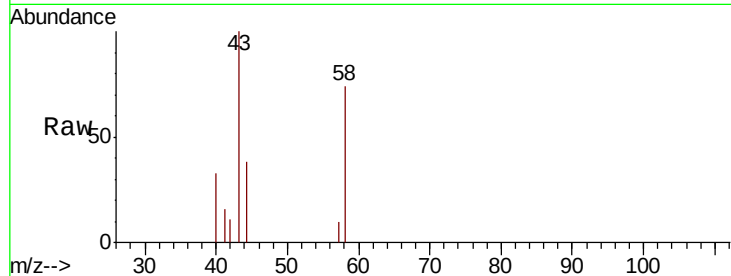




#59
2-Hexanone
Concen: 3.857 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000545.D
Acq: 06 Nov 2019 12:57

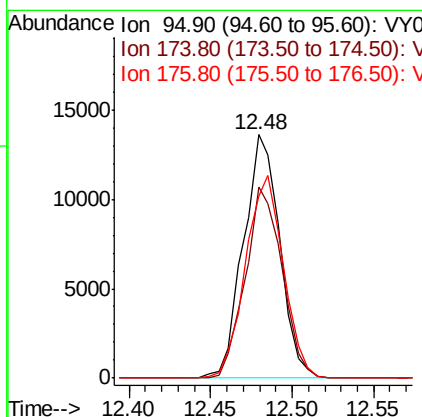
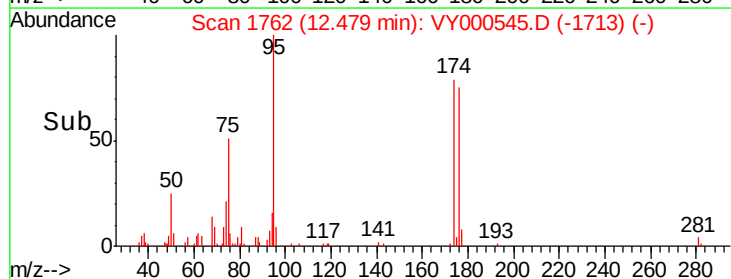
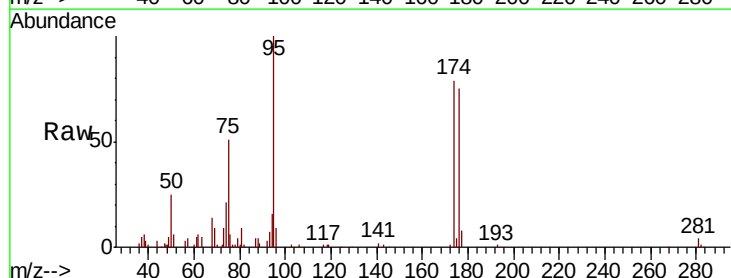
Instrument :
MSVOA_Y
ClientSampleId :

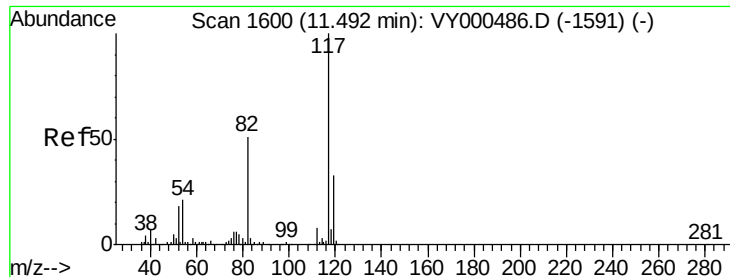
Tot Ion: 43 Resp: 1203
Ion Ratio Lower Upper
43 100
58 55.3 27.1 81.3



#62
4-Bromofluorobenzene
Concen: 32.599 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000545.D
Acq: 06 Nov 2019 12:57

Tgt Ion: 95 Resp: 21112
Ion Ratio Lower Upper
95 100
174 79.5 0.0 161.6
176 86.7 0.0 157.8

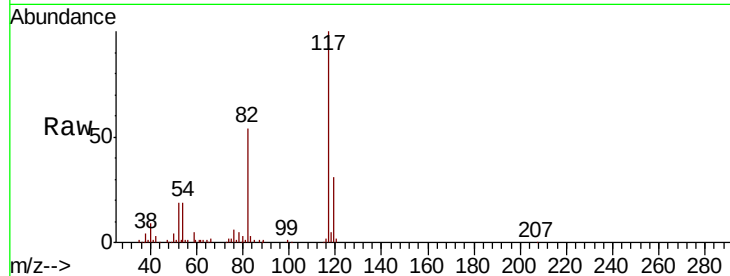




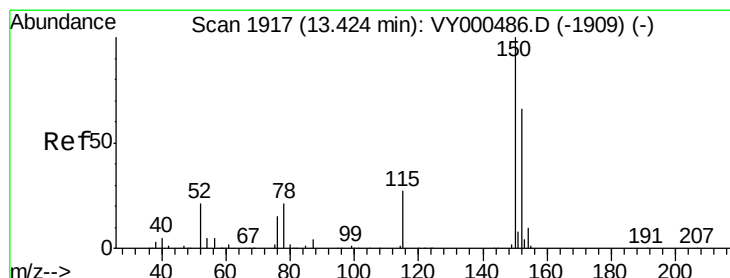
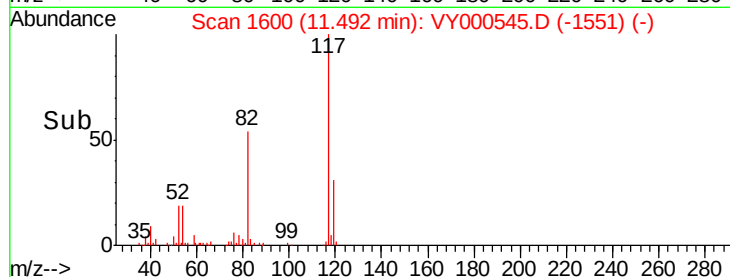
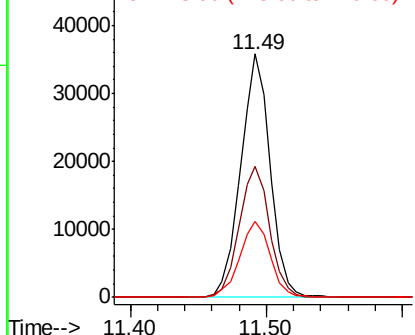
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000545.D
Acq: 06 Nov 2019 12:57

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 53988
Ion Ratio Lower Upper
117 100
82 53.7 40.8 61.2
119 31.2 26.2 39.2

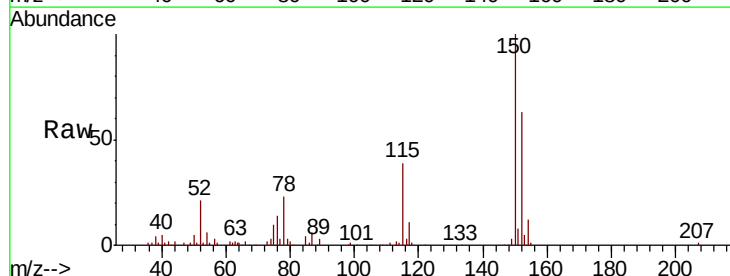


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

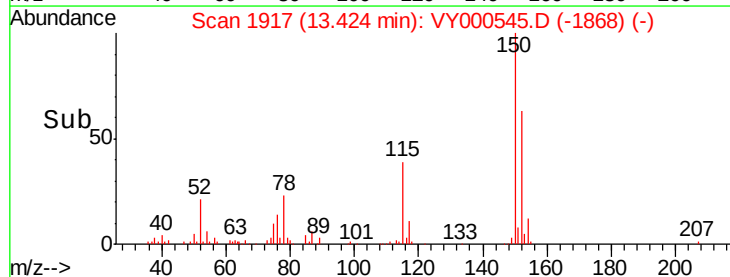
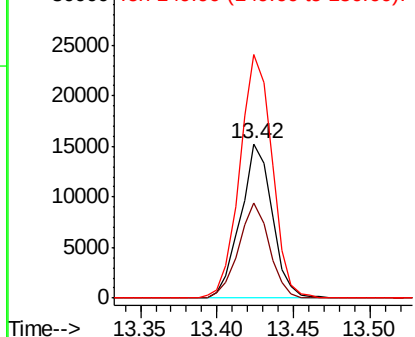


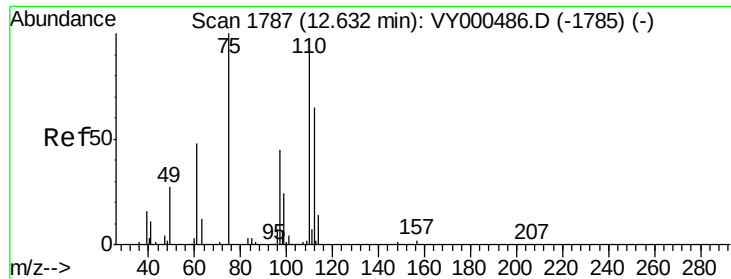
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000545.D
Acq: 06 Nov 2019 12:57

Tgt Ion:152 Resp: 21964
Ion Ratio Lower Upper
152 100
115 59.7 29.1 87.4
150 161.0 0.0 348.8



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: 48.055 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000545.D

Acq: 06 Nov 2019 12:57

Instrument :

MSVOA_Y

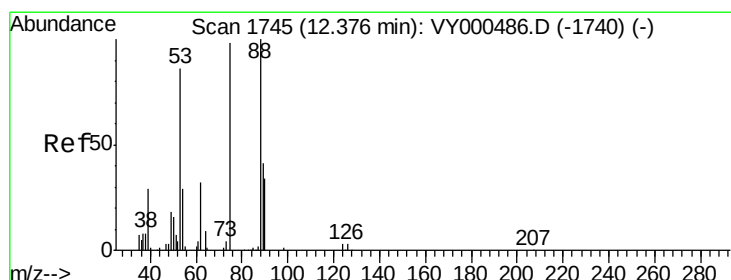
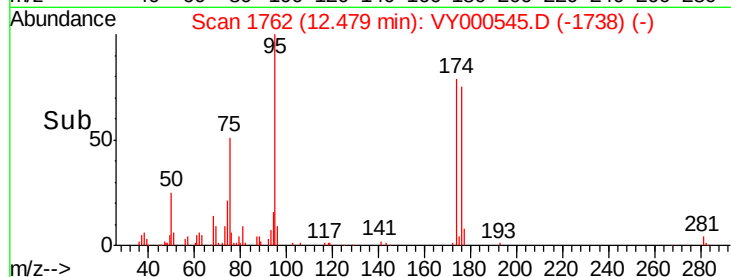
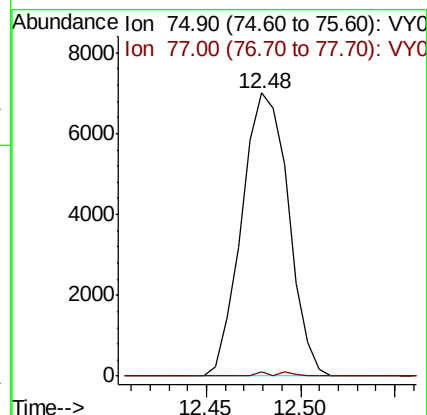
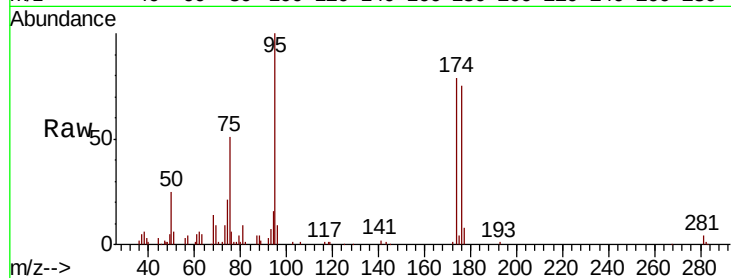
ClientSampleId :

Tot Ion: 75 Resp: 12018

Ion Ratio Lower Upper

75 100

77 0.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.745 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000545.D

Acq: 06 Nov 2019 12:57

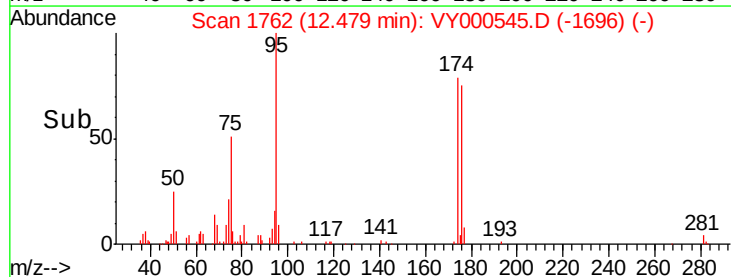
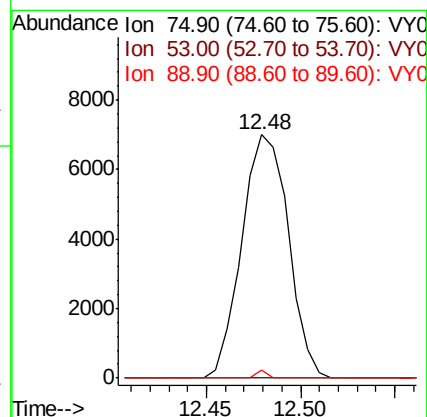
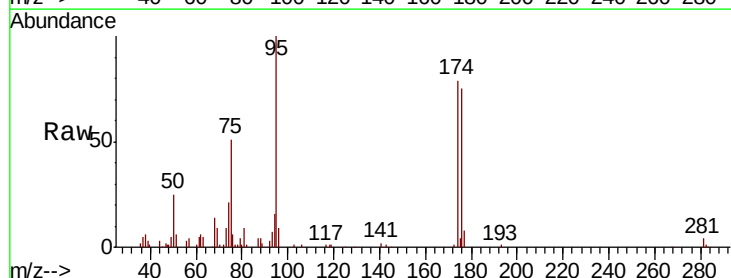
Tgt Ion: 75 Resp: 12018

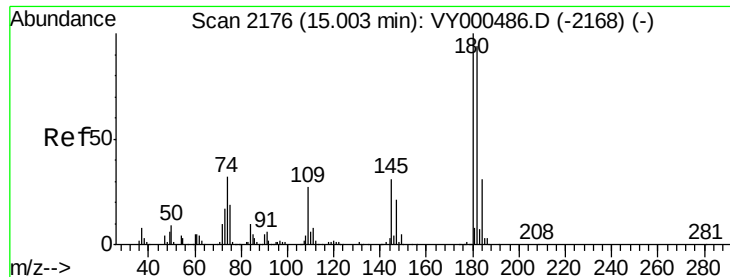
Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.7 35.9 53.9#

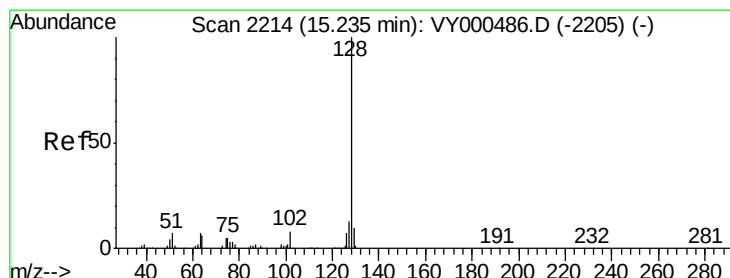
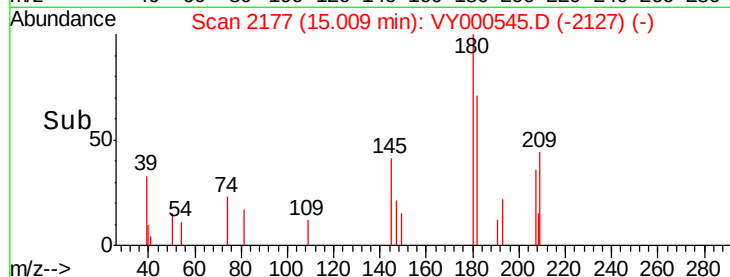
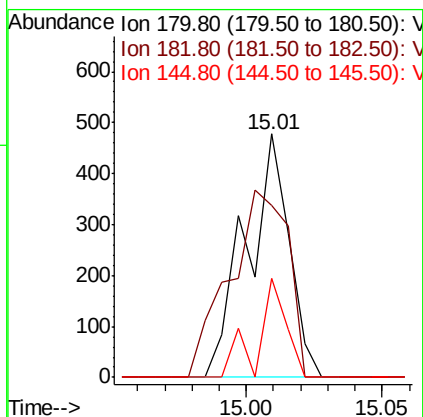
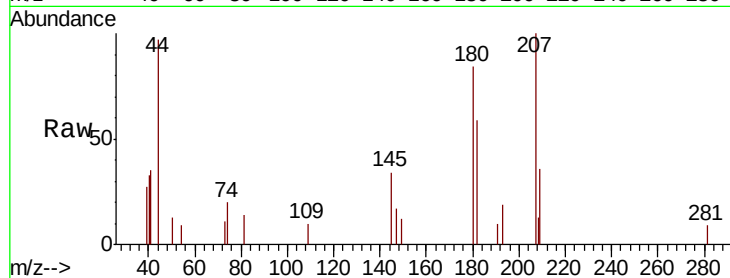




#93
 1,2,4-Trichlorobenzene
 Concen: 1.172 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000545.D
 Acq: 06 Nov 2019 12:57

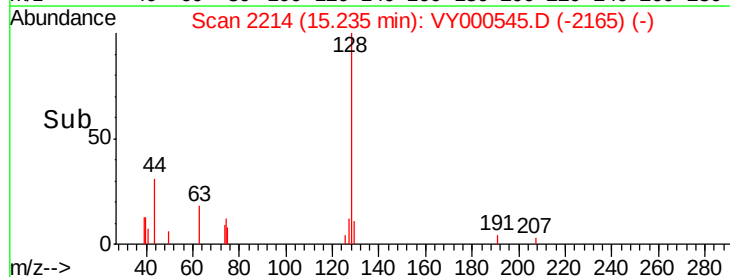
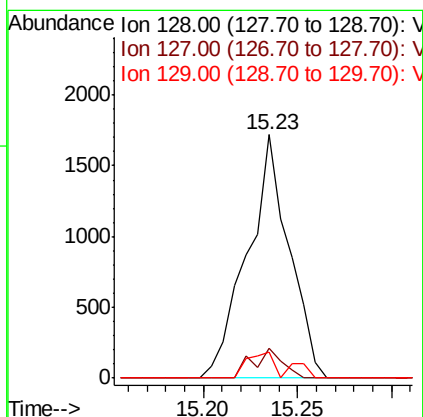
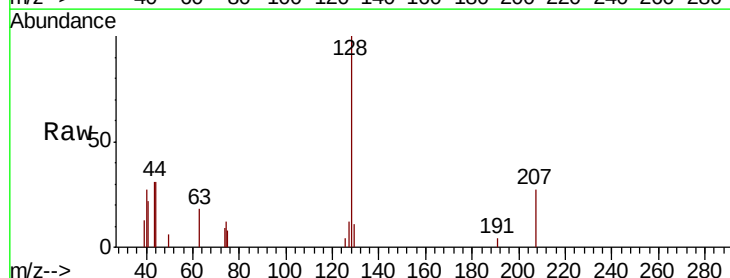
Instrument :
 MSVOA_Y
 ClientSampled :

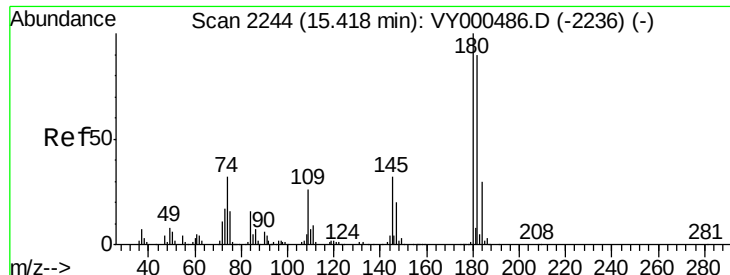
Tot Ion	Ratio	Lower	Upper
180	100		
182	105.0	47.8	143.4
145	27.0	16.0	47.9



#95
 Naphthalene
 Concen: 2.667 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VY000545.D
 Acq: 06 Nov 2019 12:57

Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.5	9.8	14.6#
129	9.5	8.7	13.1





#96

1,2,3-Trichlorobenzene

Concen: 1.649 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.01 min

Lab File: VY000545.D

Acq: 06 Nov 2019 12:57

Instrument :

MSVOA_Y

ClientSampleId :

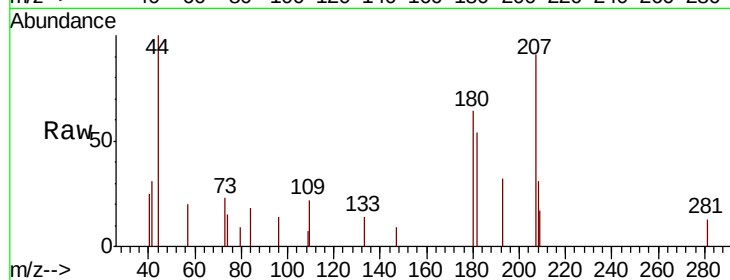
Tot Ion:180 Resp: 659

Ion Ratio Lower Upper

180 100

182 100.5 47.4 142.3

145 0.0 15.7 47.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

