

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072420\
 Data File : VY003343.D
 Acq On : 24 Jul 2020 19:38
 Operator : SY/MD
 Sample : L3436-11
 Misc : 6.53G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 11

Quant Time: Jul 25 01:42:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	440429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	682486	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	593844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	229489	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	220737	59.38	ug/l	0.00
Spiked Amount			Recovery	=	118.76%	
35) Dibromofluoromethane	7.72	113	211854	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	
50) Toluene-d8	10.18	98	805768	55.18	ug/l	0.00
Spiked Amount			Recovery	=	110.36%	
62) 4-Bromofluorobenzene	12.48	95	236958	44.92	ug/l	0.00
Spiked Amount			Recovery	=	89.84%	

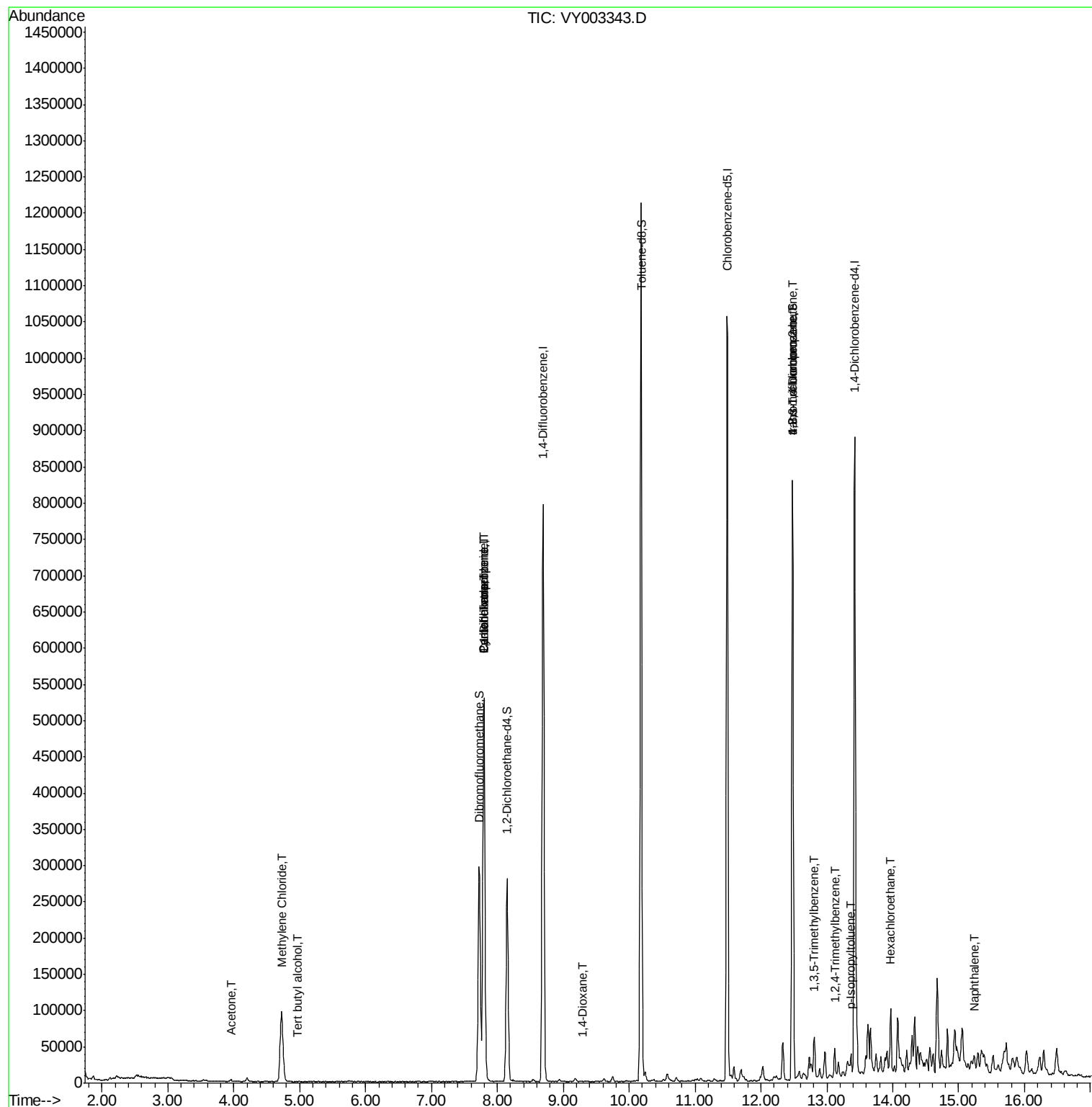
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	417	1.037	ug/l #	72
16) Acetone	3.95	43	3275	3.944	ug/l	95
20) Methylene Chloride	4.72	84	76298	14.344	ug/l	97
31) Cyclohexane	7.80	56	8530	1.262	ug/l #	13
36) 1,1-Dichloropropene	7.79	75	29245	4.728	ug/l #	50
38) Carbon Tetrachloride	7.80	117	40320	6.314	ug/l #	17
49) 1,4-Dioxane	9.30	88	56	1.714	ug/l #	26
76) 1,2,3-Trichloropropane	12.48	75	119641	58.897	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	24926	2.045	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.48	75	119641	114.624	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	21636	1.764	ug/l	97
86) p-Isopropyltoluene	13.36	119	15358	1.113	ug/l	94
90) Hexachloroethane	13.97	117	4643	1.847	ug/l #	4
95) Naphthalene	15.23	128	14617	2.010	ug/l #	92

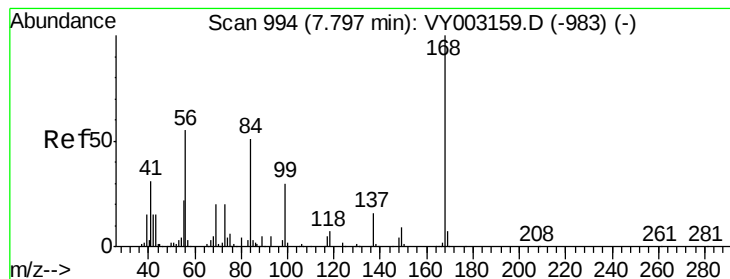
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003343.D

Acq: 24 Jul 2020 19:38

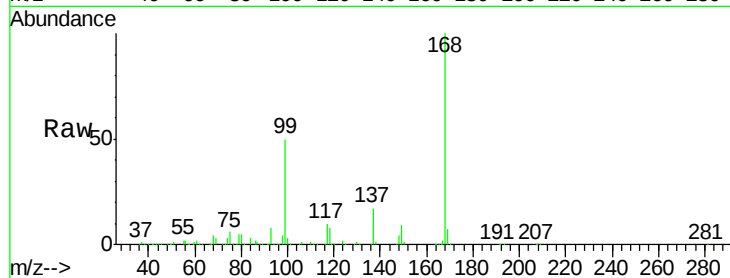
Instrument :
MSVOA_Y
ClientSampled :
11

Tot Ion:168 Resp: 440429

Ion Ratio Lower Upper

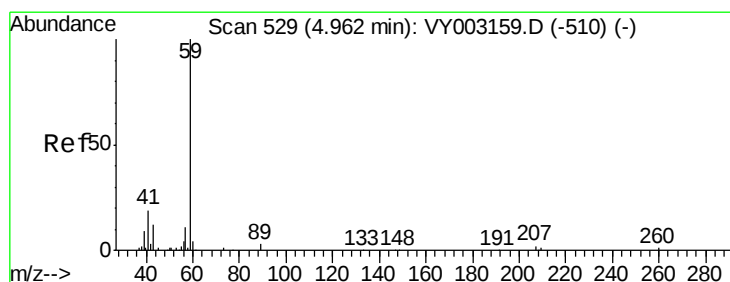
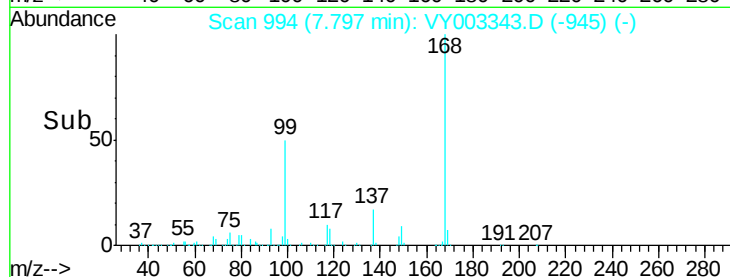
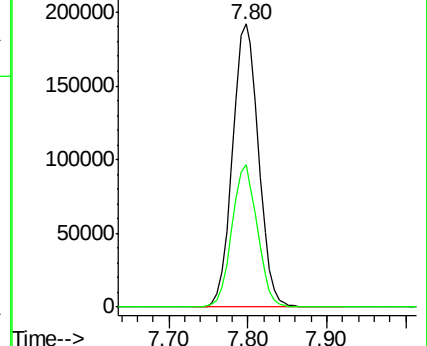
168 100

99 50.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003343.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003343.D (-945) (-)



#11

Tert butyl alcohol

Concen: 1.037 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.01 min

Lab File: VY003343.D

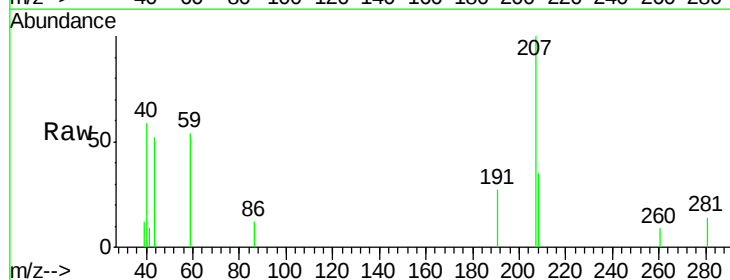
Acq: 24 Jul 2020 19:38

Tgt Ion: 59 Resp: 417

Ion Ratio Lower Upper

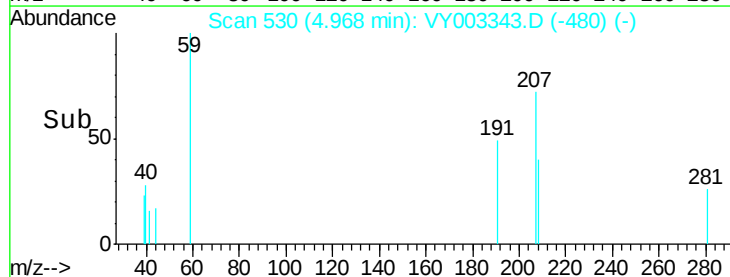
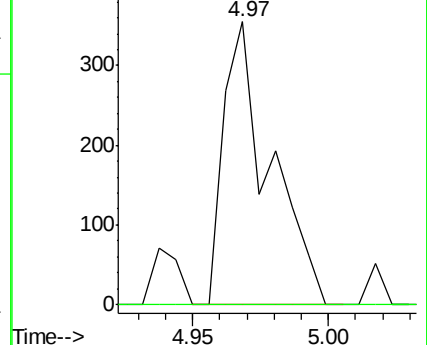
59 100

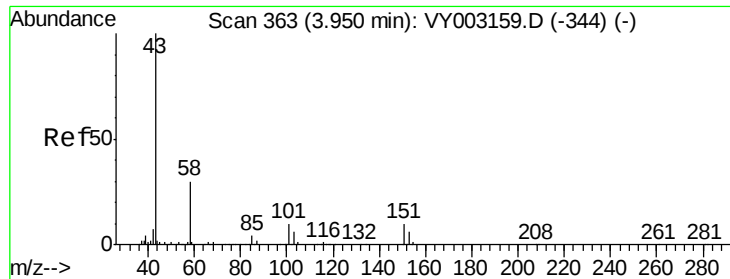
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003343.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003343.D (-480) (-)

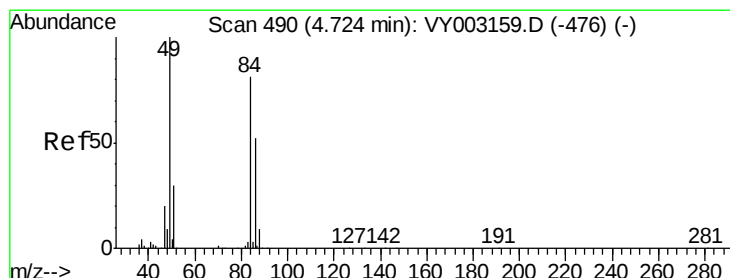
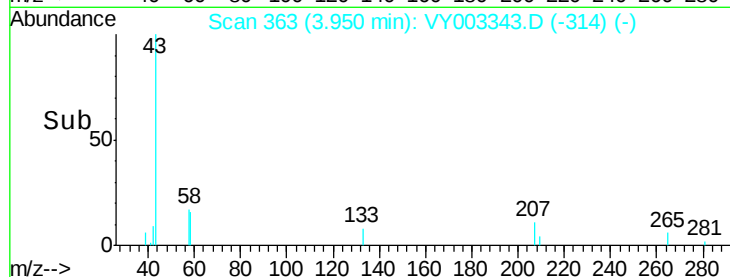
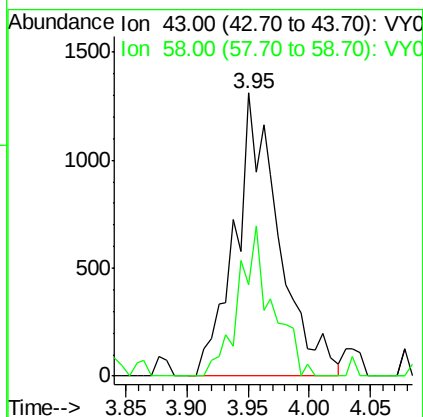
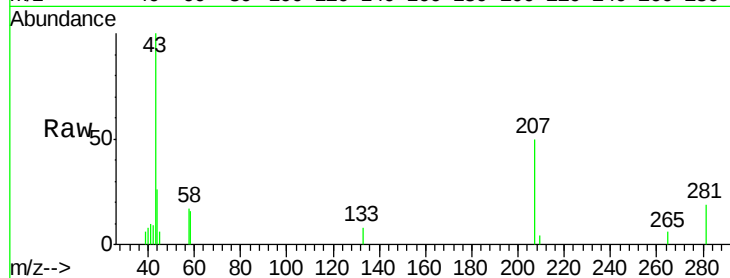




#16
Acetone
Concen: 3.944 ug/l
RT: 3.95 min Scan# 363
Delta R.T. 0.00 min
Lab File: VY003343.D
Acq: 24 Jul 2020 19:38

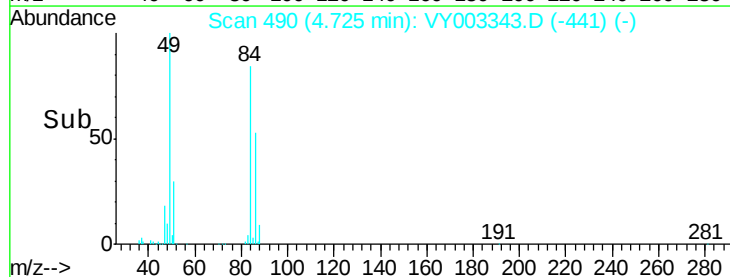
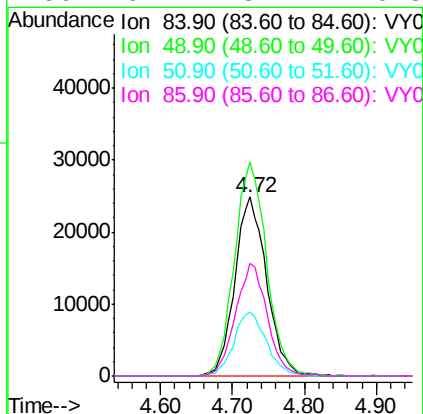
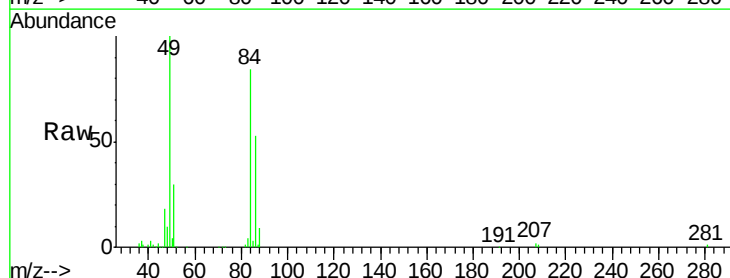
Instrument :
MSVOA_Y
ClientSampled :
11

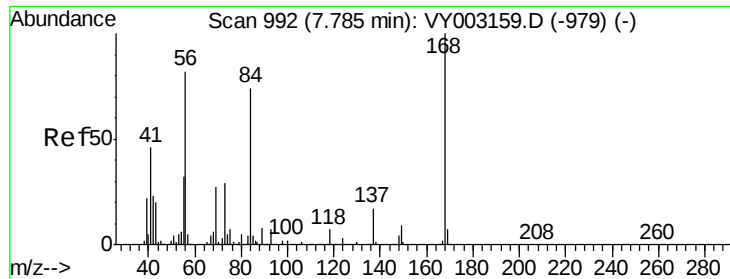
Tot Ion: 43 Resp: 3275
Ion Ratio Lower Upper
43 100
58 32.5 23.8 35.6



#20
Methylene Chloride
Concen: 14.344 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003343.D
Acq: 24 Jul 2020 19:38

Tgt Ion: 84 Resp: 76298
Ion Ratio Lower Upper
84 100
49 119.4 98.2 147.4
51 35.7 29.8 44.6
86 62.7 51.2 76.8

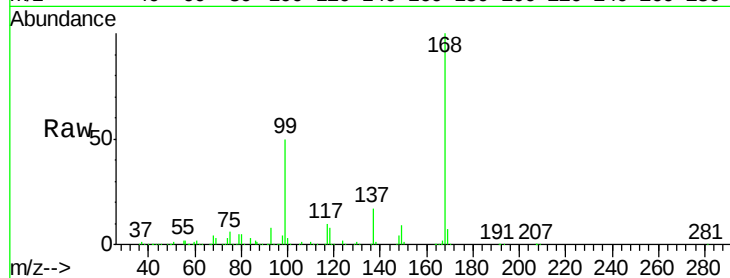




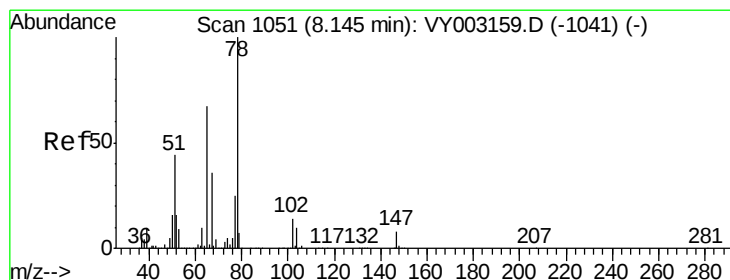
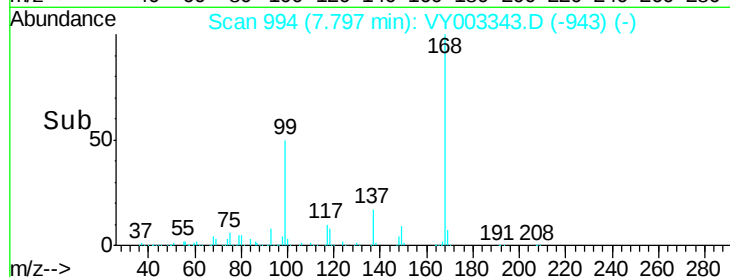
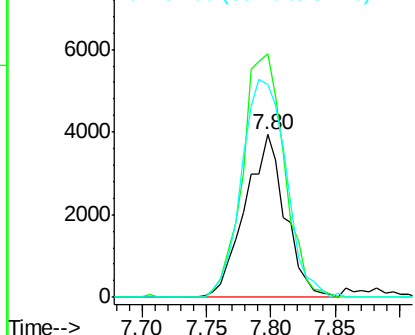
#31
Cvclohexane
Concen: 1.262 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003343.D
Acq: 24 Jul 2020 19:38

Instrument :
MSVOA_Y
ClientSampleId :
11

Tot Ion: 56 Resp: 8530
Ion Ratio Lower Upper
56 100
69 149.9 26.7 40.1#
84 131.3 72.3 108.5#

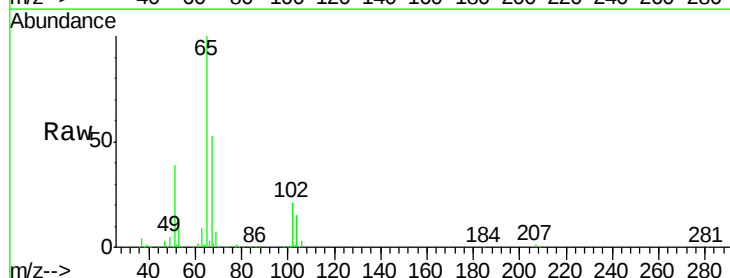


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

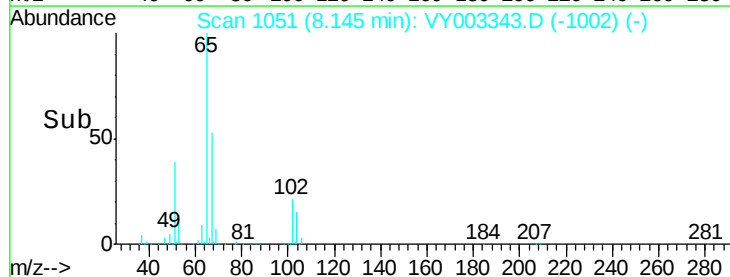
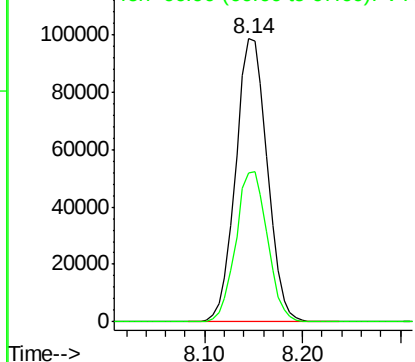


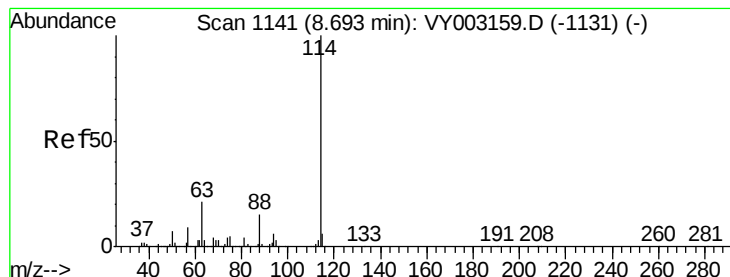
#33
1,2-Dichloroethane-d4
Concen: 59.380 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VY003343.D
Acq: 24 Jul 2020 19:38

Tgt Ion: 65 Resp: 220737
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.2



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: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY003343.D

Acq: 24 Jul 2020 19:38

Instrument :

MSVOA_Y

ClientSampleId :

11

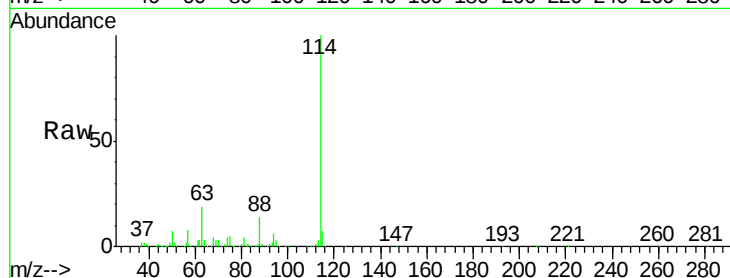
Tot Ion:114 Resp: 682486

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.2

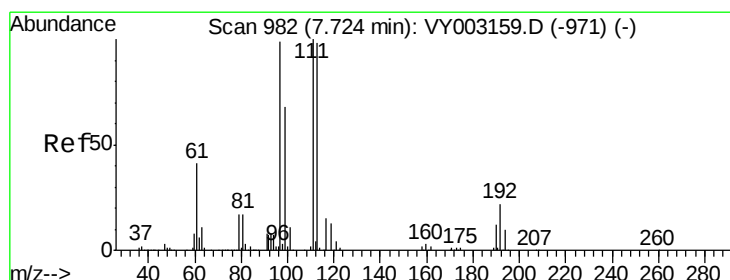
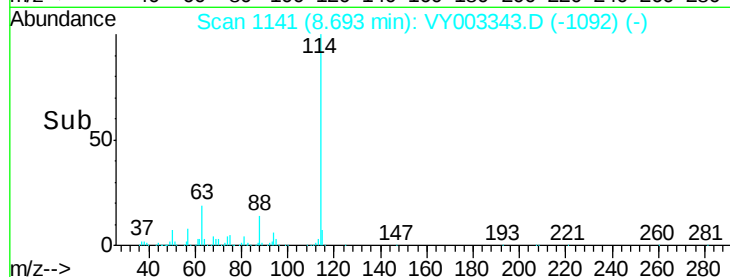
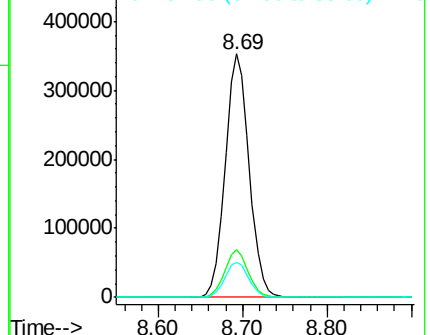
88 14.4 0.0 30.2



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: 53.941 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003343.D

Acq: 24 Jul 2020 19:38

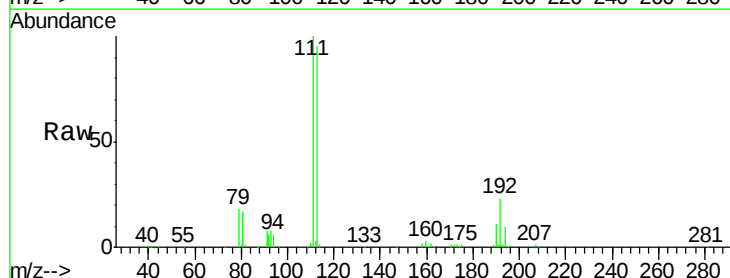
Tgt Ion:113 Resp: 211854

Ion Ratio Lower Upper

113 100

111 102.7 82.1 123.1

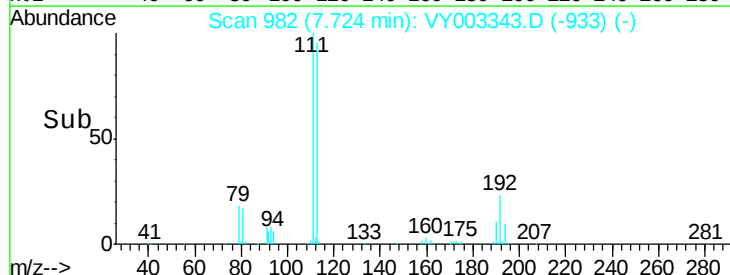
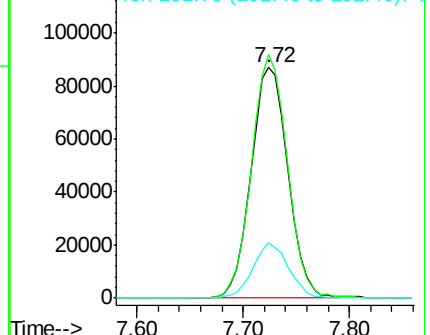
192 22.9 18.8 28.2

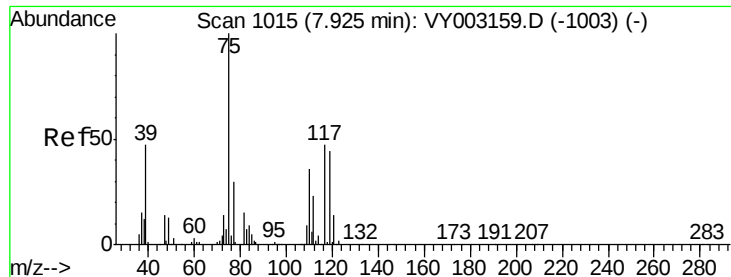


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

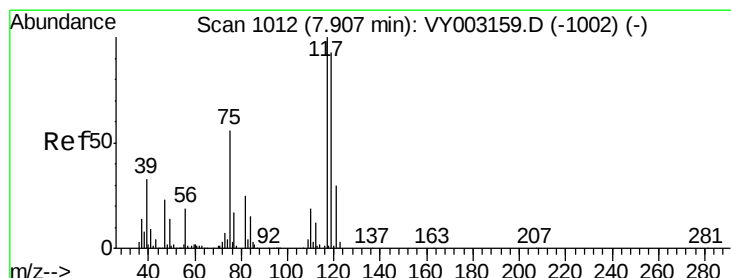
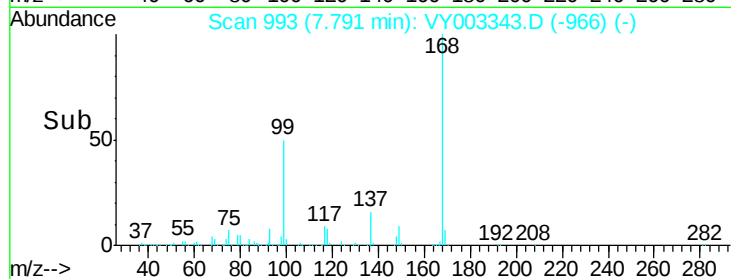
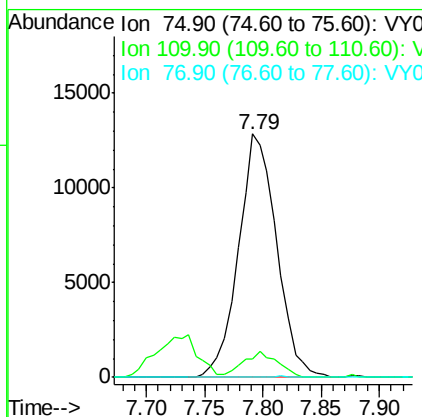
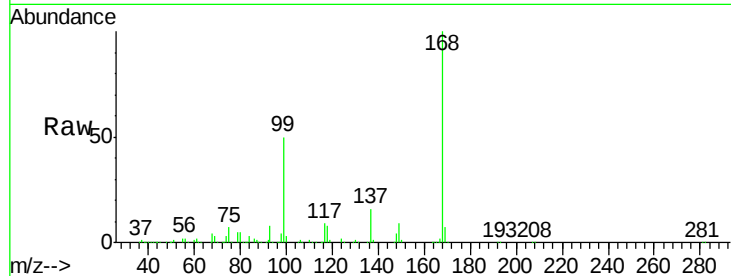




#36
 1,1-Dichloropropene
 Concen: 4.728 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003343.D
 Acq: 24 Jul 2020 19:38

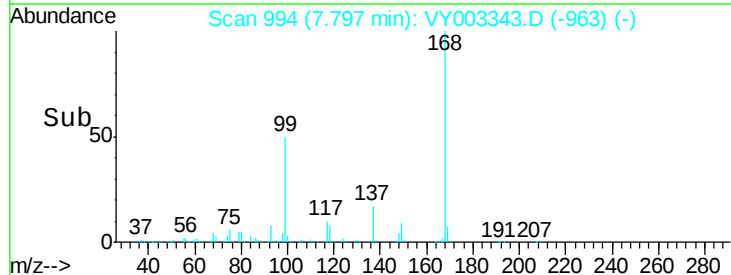
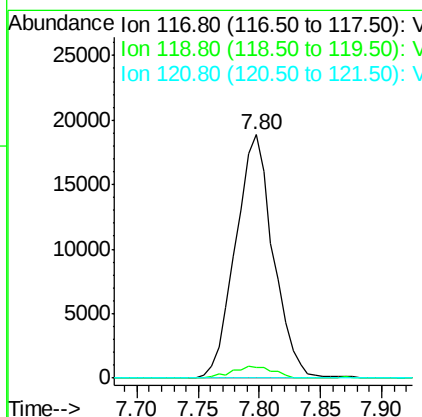
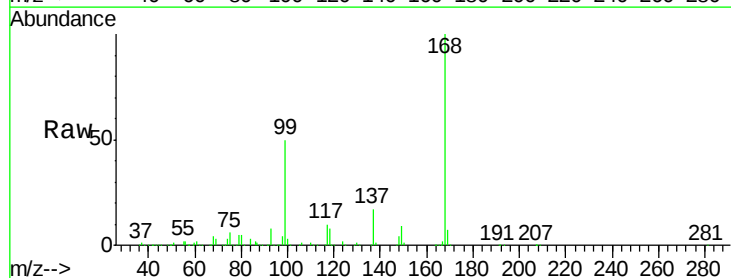
Instrument :
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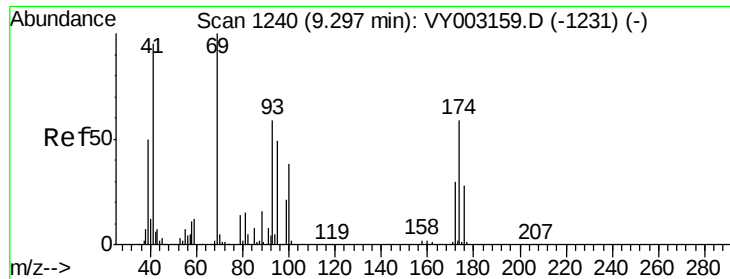
Tot Ion	75	Resp	29245
Ion Ratio	100	Lower	Upper
75	100		
110	9.5	18.1	54.1#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.314 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003343.D
 Acq: 24 Jul 2020 19:38

Tgt Ion	117	Resp	40320
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.6	74.5	111.7#
121	0.0	24.2	36.2#

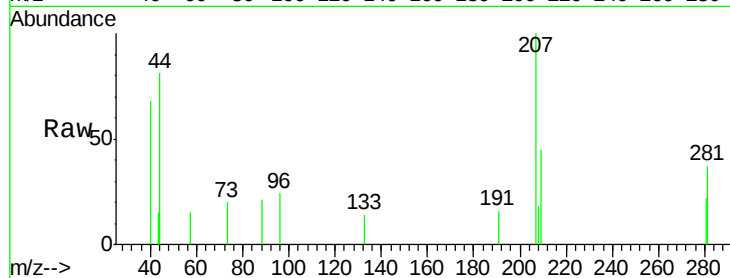




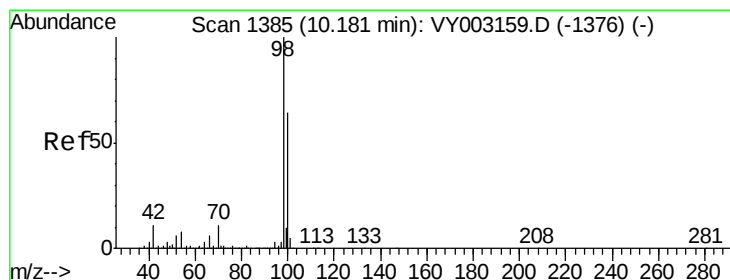
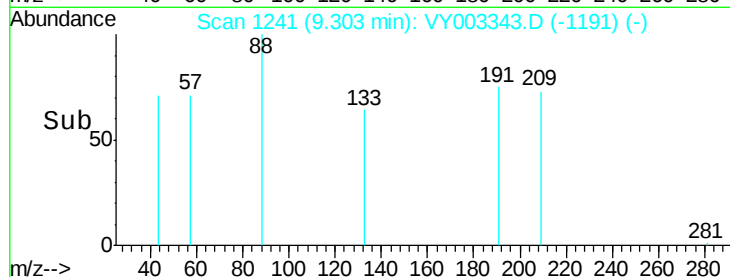
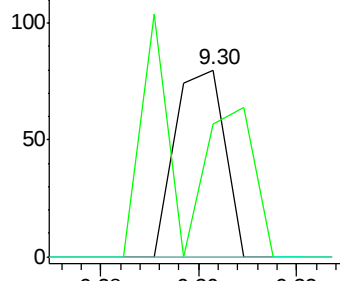
#49
 1,4-Dioxane
 Concen: 1.714 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. 0.01 min
 Lab File: VY003343.D
 Acq: 24 Jul 2020 19:38

Instrument :
 MSVOA_Y
 ClientSampled :
 11

Tot Ion: 88 Resp: 56
 Ion Ratio Lower Upper
 88 100
 43 67.9 25.6 38.4#
 58 0.0 47.8 71.6#

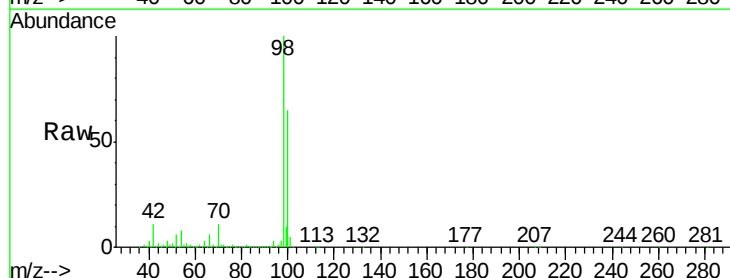


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

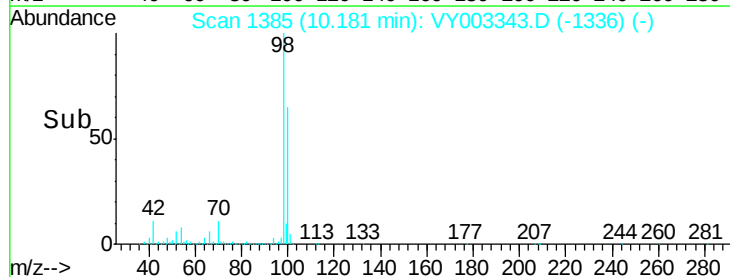
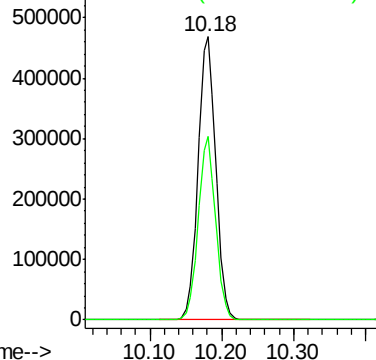


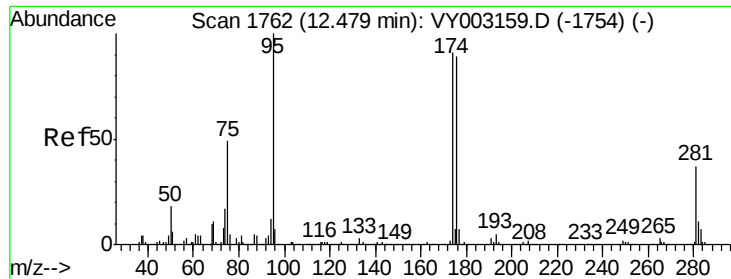
#50
 Toluene-d8
 Concen: 55.182 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY003343.D
 Acq: 24 Jul 2020 19:38

Tgt Ion: 98 Resp: 805768
 Ion Ratio Lower Upper
 98 100
 100 63.5 50.7 76.1



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

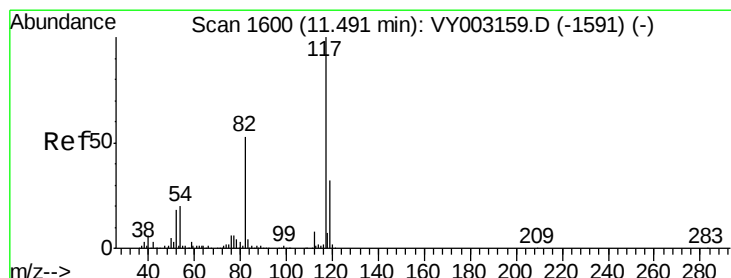
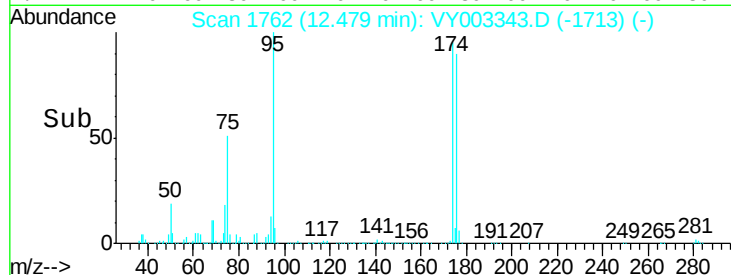
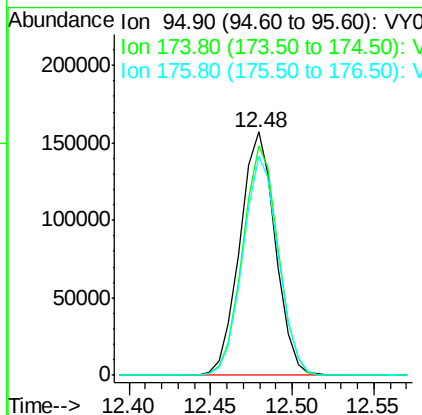
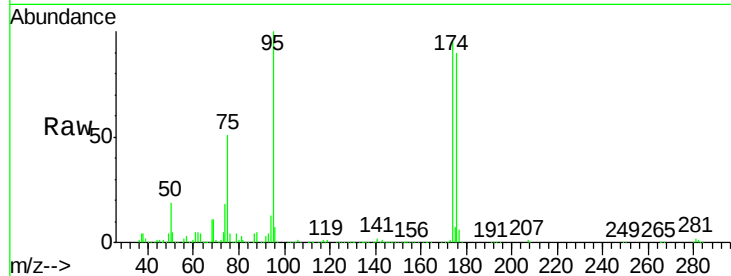




#62
4-Bromofluorobenzene
Concen: 44.920 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003343.D
Acq: 24 Jul 2020 19:38

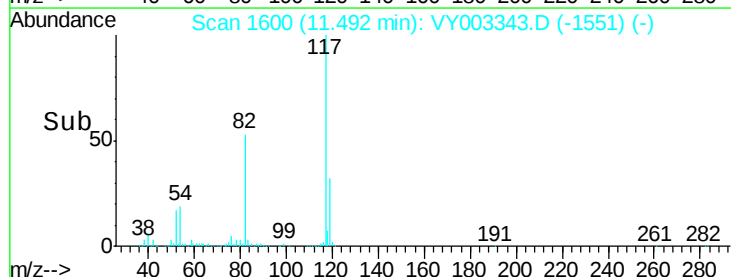
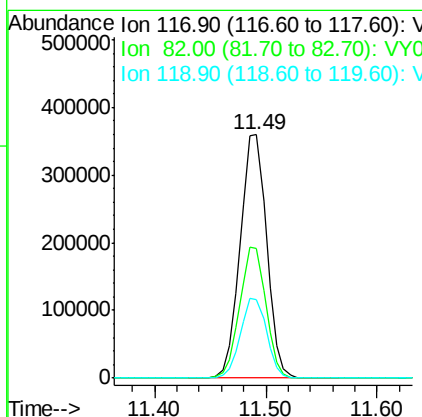
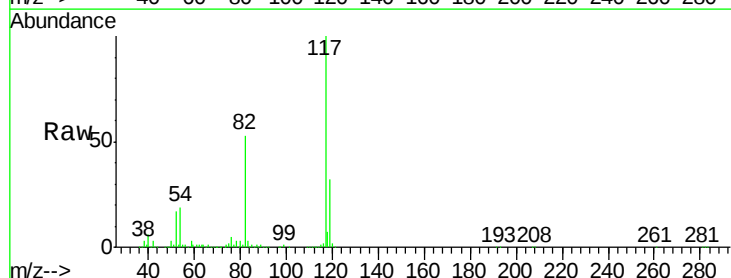
Instrument :
MSVOA_Y
ClientSampleId :
11

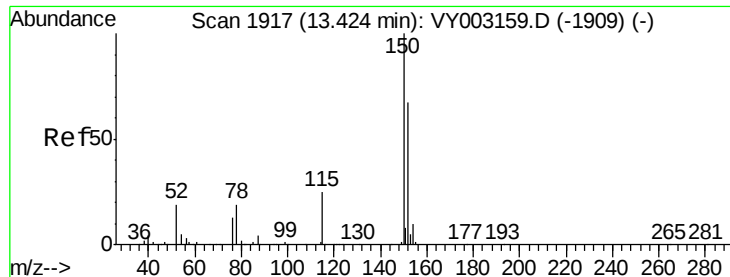
Tot Ion	95	Resp	236958
Ion Ratio	Lower	Upper	
95	100		
174	95.0	0.0	190.6
176	90.5	0.0	186.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003343.D
Acq: 24 Jul 2020 19:38

Tgt Ion	117	Resp	593844
Ion Ratio	Lower	Upper	
117	100		
82	53.1	42.0	63.0
119	32.0	25.5	38.3



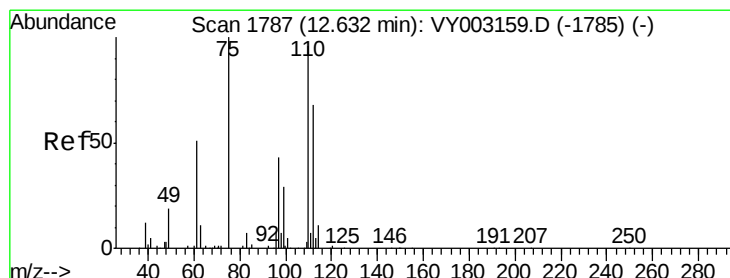
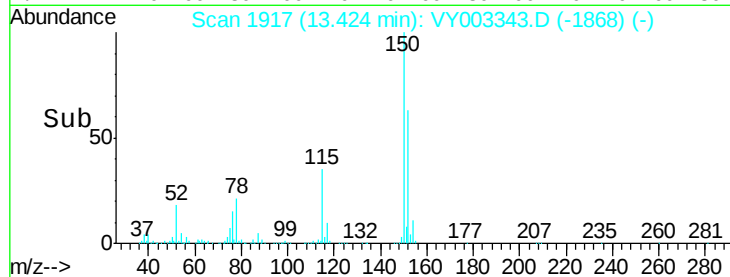
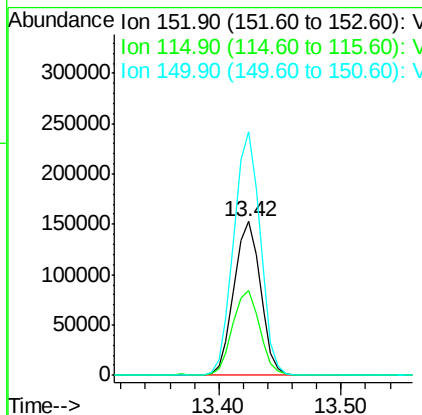
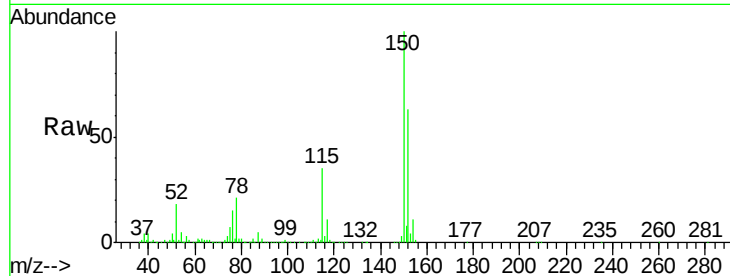


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003343.D
Acq: 24 Jul 2020 19:38

Instrument :
MSVOA_Y
ClientSampled :
11

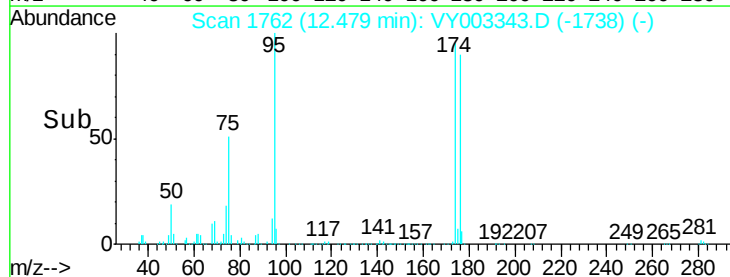
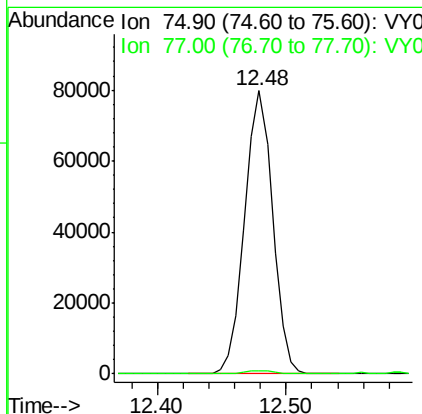
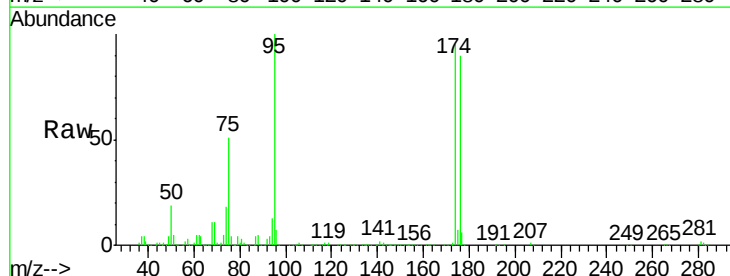
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.5	26.9	80.7
150	158.1	0.0	338.0

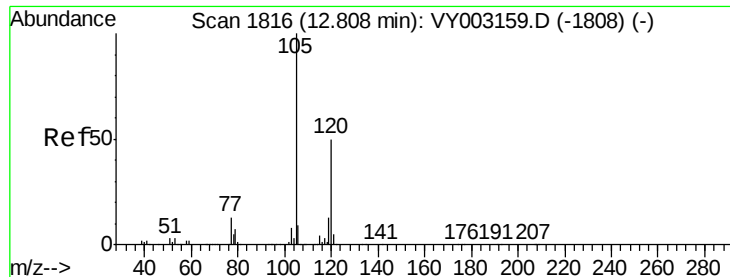


#76

1,2,3-Trichloropropane
Concen: 58.897 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003343.D
Acq: 24 Jul 2020 19:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0

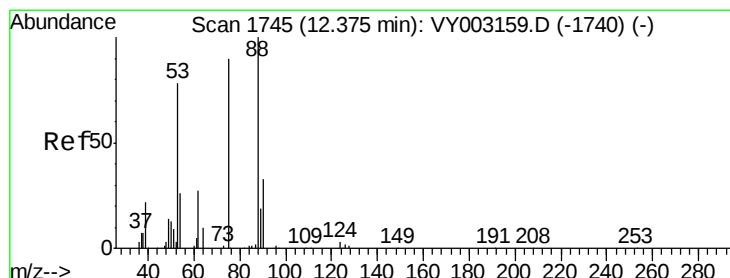
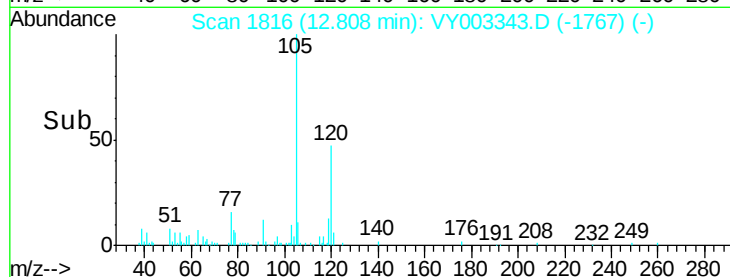
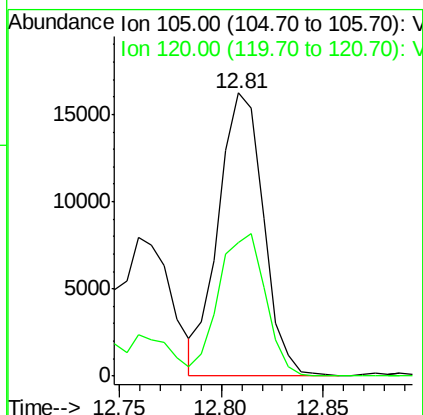
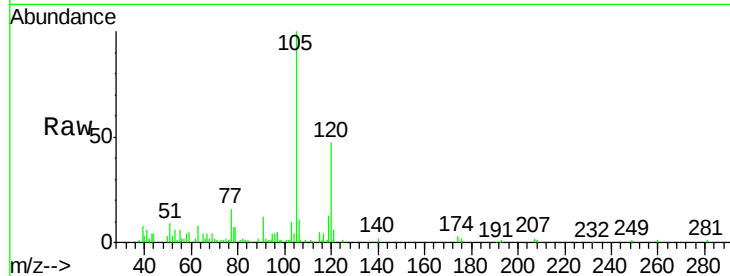




#80
 1,3,5-Trimethylbenzene
 Concen: 2.045 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: VY003343.D
 Acq: 24 Jul 2020 19:38

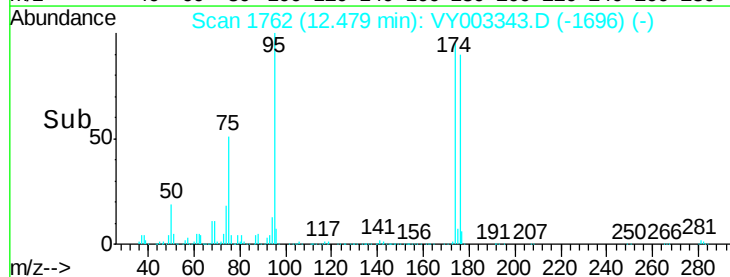
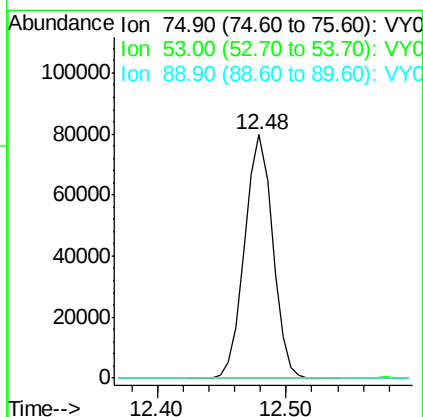
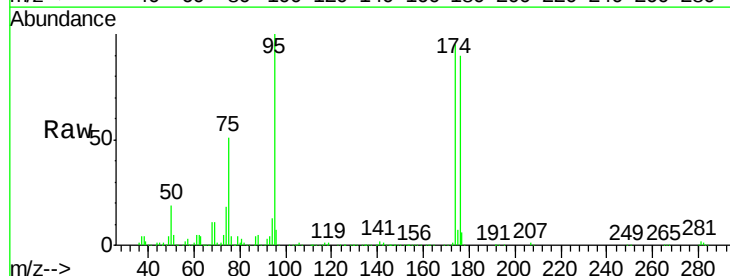
Instrument :
 MSVOA_Y
 ClientSampleId :
 11

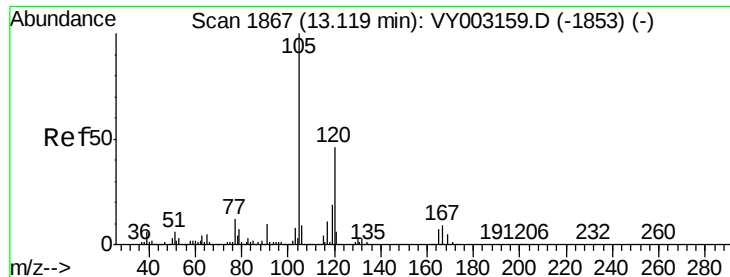
Tot Ion:105 Resp: 24926
 Ion Ratio Lower Upper
 105 100
 120 52.2 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.624 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY003343.D
 Acq: 24 Jul 2020 19:38

Tgt Ion: 75 Resp: 119641
 Ion Ratio Lower Upper
 75 100
 53 0.3 72.0 108.0#
 89 0.1 37.3 55.9#

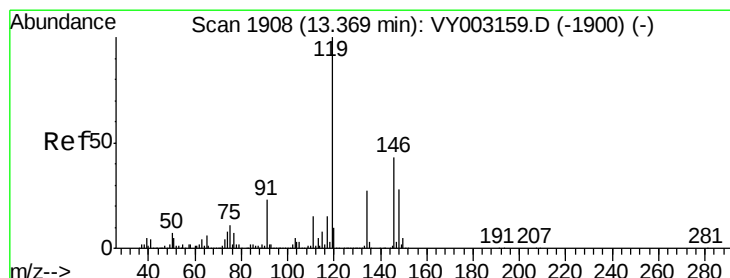
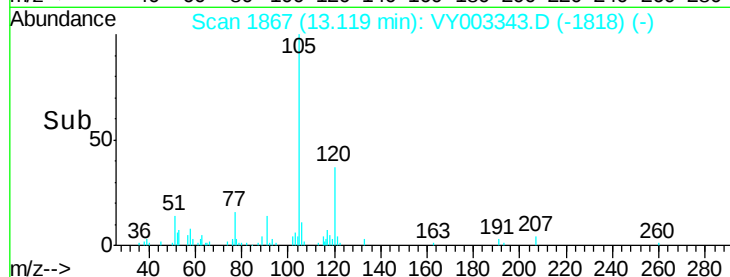
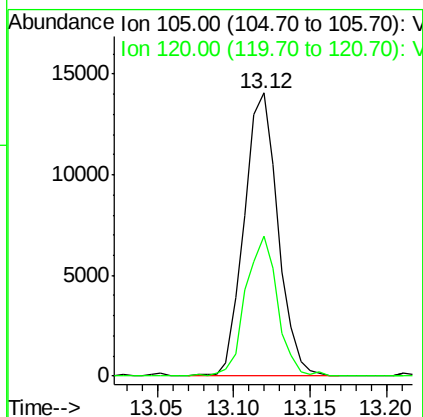
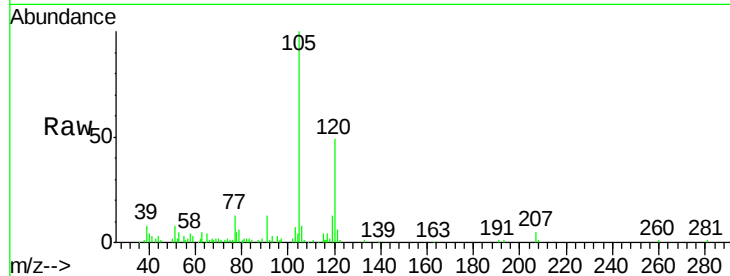




#84
 1,2,4-Trimethylbenzene
 Concen: 1.764 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY003343.D
 Acq: 24 Jul 2020 19:38

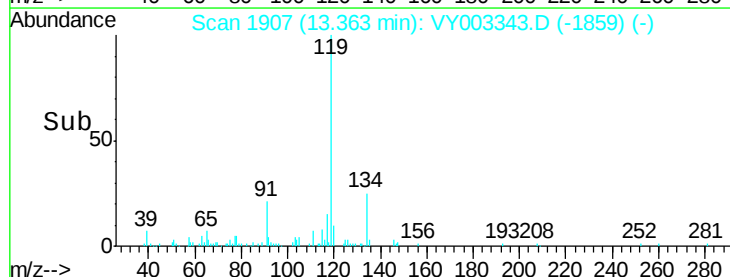
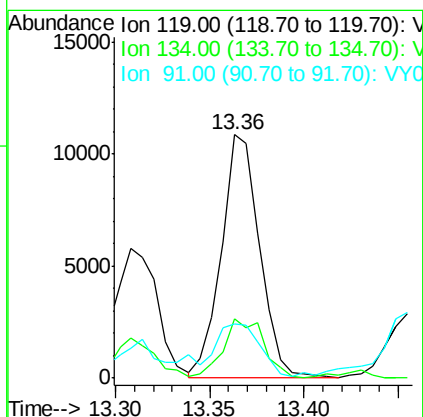
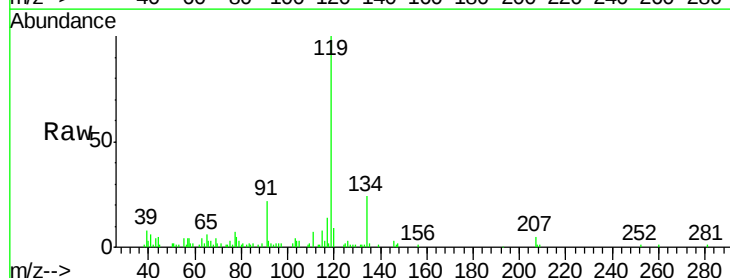
Instrument :
 MSVOA_Y
 ClientSampleId :
 11

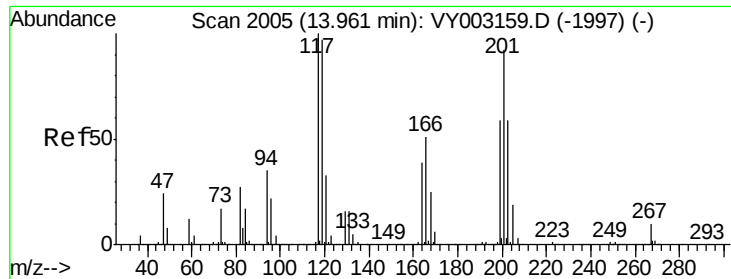
Tot Ion:105 Resp: 21636
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.5 67.5



#86
 p-Isopropyltoluene
 Concen: 1.113 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY003343.D
 Acq: 24 Jul 2020 19:38

Tgt Ion:119 Resp: 15358
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.4 40.2
 91 27.4 11.2 33.6





#90

Hexachloroethane

Concen: 1.847 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. 0.01 min

Lab File: VY003343.D

Acq: 24 Jul 2020 19:38

Instrument :

MSVOA_Y

ClientSampled :

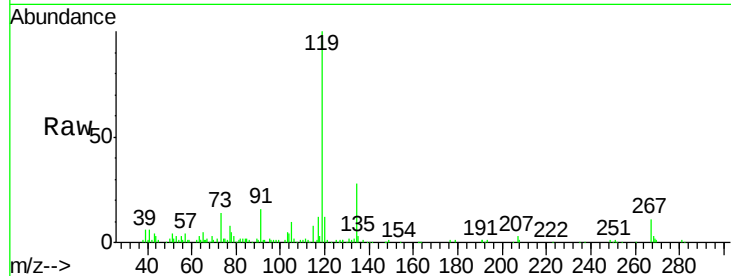
11

Tot Ion:117 Resp: 4643

Ion Ratio Lower Upper

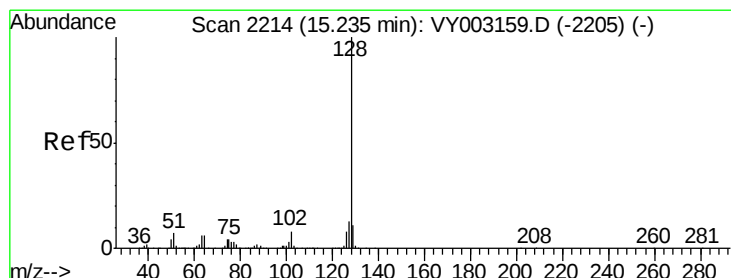
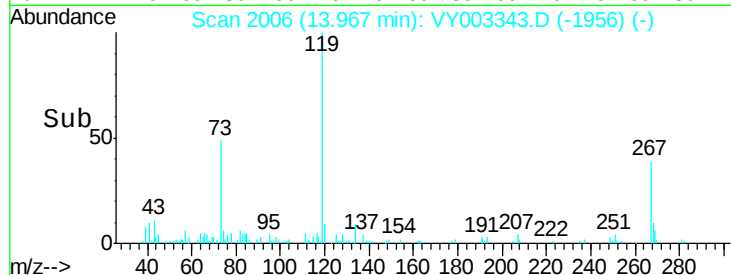
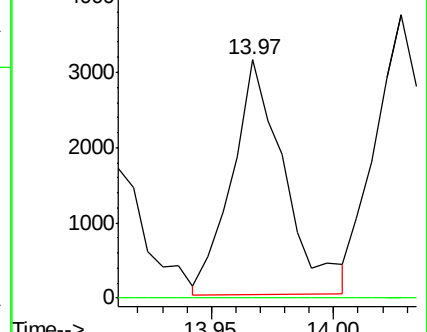
117 100

201 0.0 45.1 135.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 2.010 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY003343.D

Acq: 24 Jul 2020 19:38

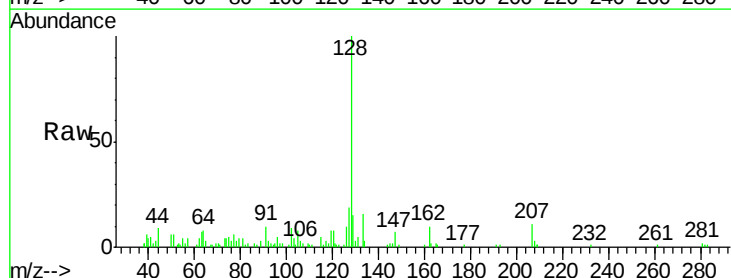
Tgt Ion:128 Resp: 14617

Ion Ratio Lower Upper

128 100

127 18.0 10.9 16.3#

129 12.8 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

