

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
 Data File : VY003128.D
 Acq On : 07 Jul 2020 15:50
 Operator : SY/MD
 Sample : L3217-03RE
 Misc : 5.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 E3-41-COMP-1-FLOOR

Quant Time: Jul 08 03:51:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	276762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	449522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	425079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	196934	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	158552	57.68	ug/l	0.00
Spiked Amount			Recovery	=	115.36%	
35) Dibromofluoromethane	7.72	113	143622	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
50) Toluene-d8	10.18	98	539467	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.48	95	186833	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	

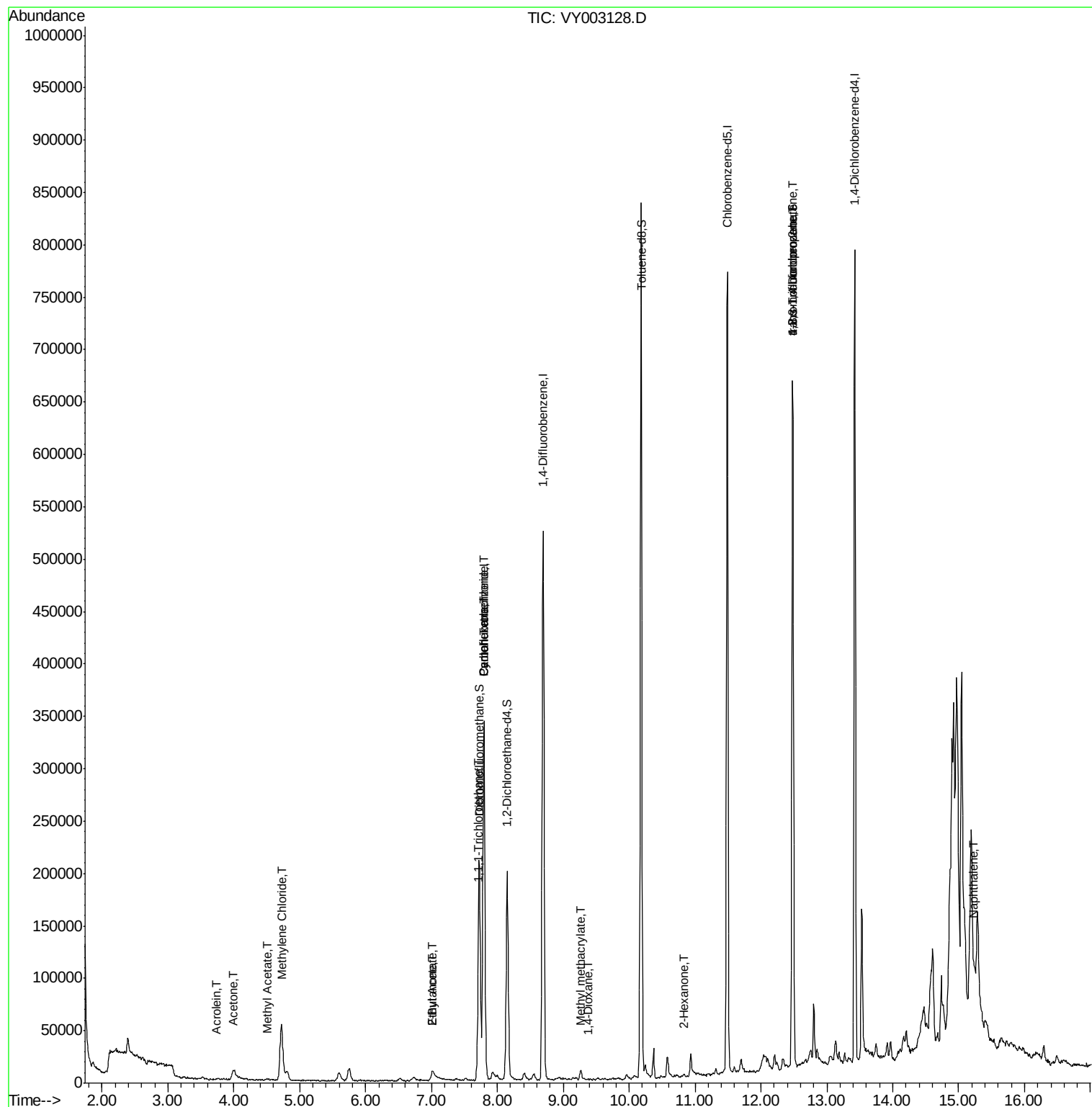
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.73	56	393	1.562	ug/l #	14
16) Acetone	3.99	43	26264	40.512	ug/l	96
18) Methyl Acetate	4.50	43	2150	1.231	ug/l #	87
20) Methylene Chloride	4.72	84	42525	8.981	ug/l	86
25) 2-Butanone	7.01	43	15464	15.016	ug/l	98
31) Cyclohexane	7.80	56	5969	1.235	ug/l #	1
32) 1,1,1-Trichloroethane	7.71	97	9414	2.121	ug/l	96
37) Ethyl Acetate	7.01	43	15689	6.026	ug/l #	72
38) Carbon Tetrachloride	7.80	117	24982	5.545	ug/l #	17
48) Methyl methacrylate	9.27	41	2572	1.142	ug/l #	30
49) 1,4-Dioxane	9.39	88	29	1.334	ug/l #	1
59) 2-Hexanone	10.83	43	1844	1.031	ug/l	92
76) 1,2,3-Trichloropropane	12.48	75	95521	49.009	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	95521	95.351	ug/l #	13
95) Naphthalene	15.23	128	8867	1.180	ug/l	94

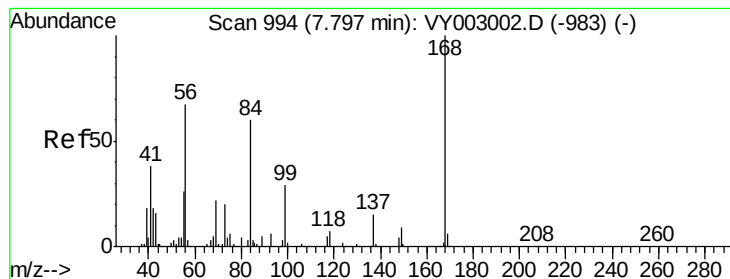
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003128.D

Acq: 07 Jul 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

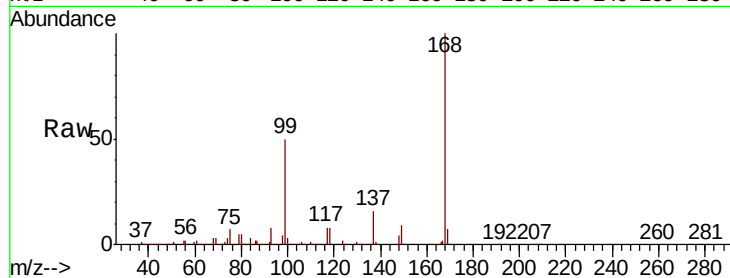
E3-41-COMP-1-FLOOR

Tot Ion:168 Resp: 276762

Ion Ratio Lower Upper

168 100

99 49.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003128.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003128.D (-945) (-)

7.80

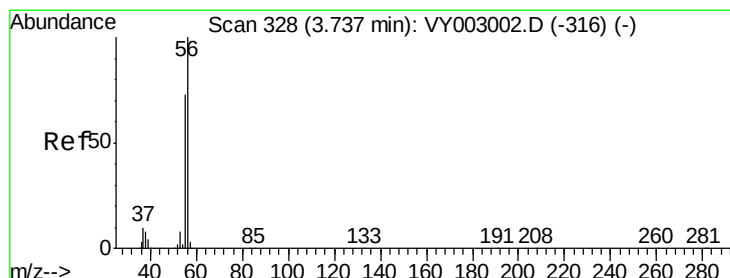
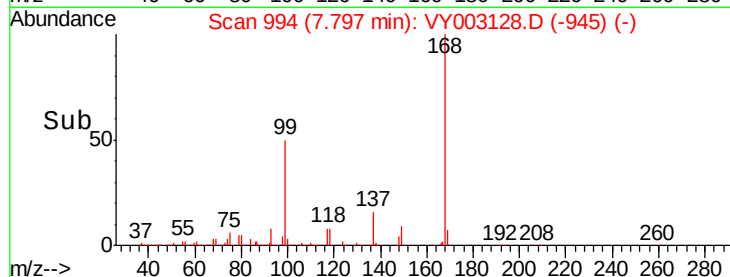
100000

50000

0

7.70 7.80 7.90

Time-->



#13

Acrolein

Concen: 1.562 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY003128.D

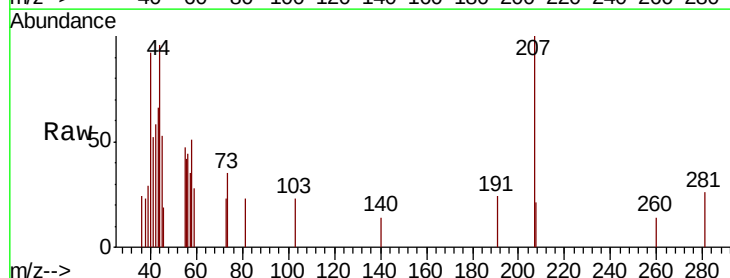
Acq: 07 Jul 2020 15:50

Tgt Ion: 56 Resp: 393

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VY003128.D (-279) (-)

Ion 55.00 (54.70 to 55.70): VY003128.D (-279) (-)

3.73

400

300

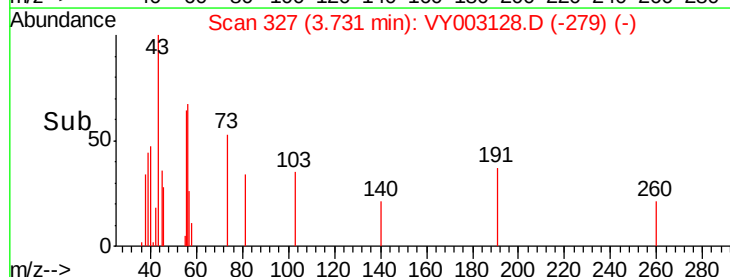
200

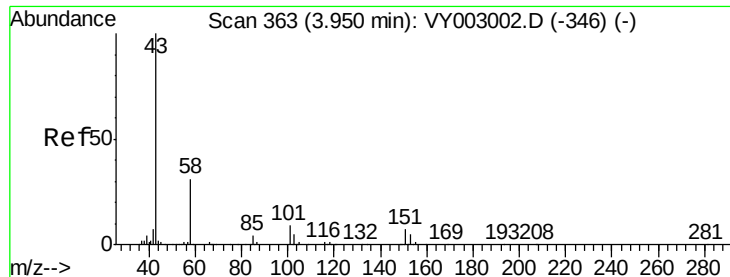
100

0

3.70 3.72 3.74

Time-->





#16

Acetone

Concen: 40.512 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.04 min

Lab File: VY003128.D

Acq: 07 Jul 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

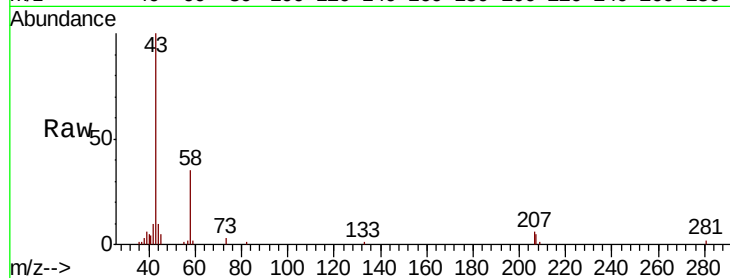
E3-41-COMP-1-FLOOR

Tot Ion: 43 Resp: 26264

Ion Ratio Lower Upper

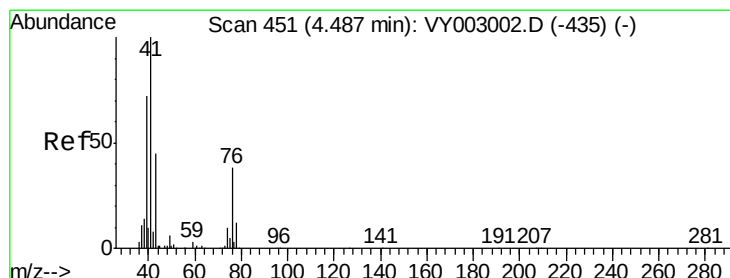
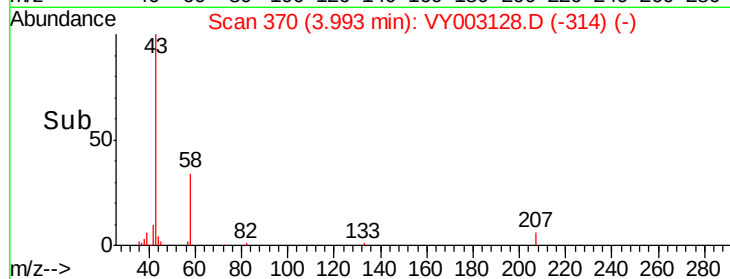
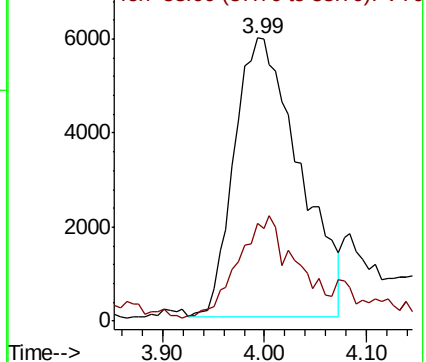
43 100

58 33.2 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: 1.231 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.01 min

Lab File: VY003128.D

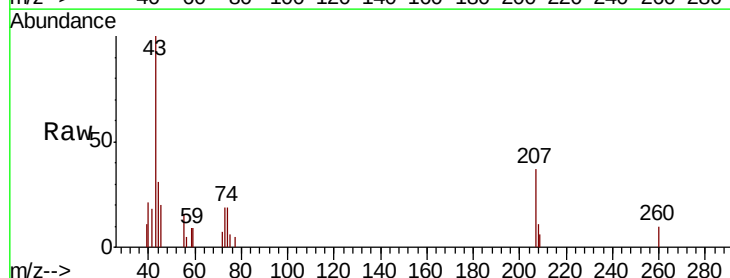
Acq: 07 Jul 2020 15:50

Tgt Ion: 43 Resp: 2150

Ion Ratio Lower Upper

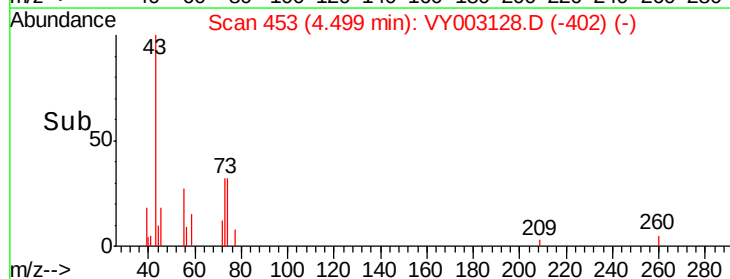
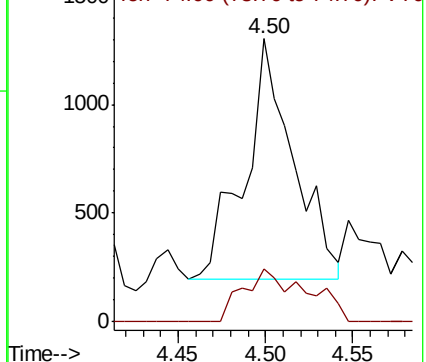
43 100

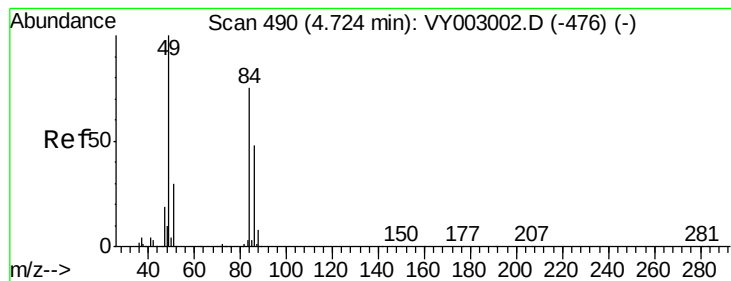
74 28.9 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





#20

Methylene Chloride

Concen: 8.981 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003128.D

Acq: 07 Jul 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

E3-41-COMP-1-FLOOR

Tot Ion: 84 Resp: 42525

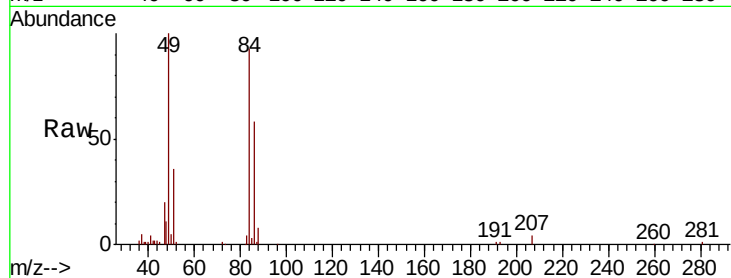
Ion Ratio Lower Upper

84 100

49 107.3 106.8 160.2

51 38.0 32.0 48.0

86 62.0 51.4 77.2

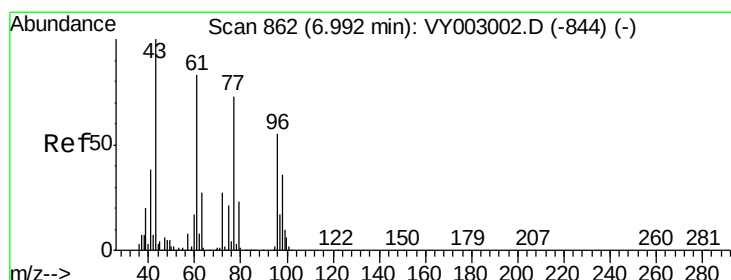
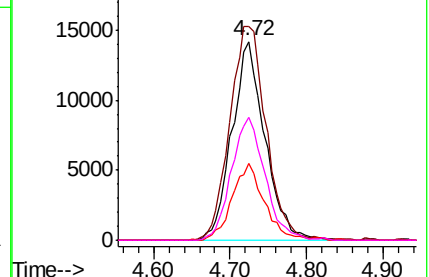
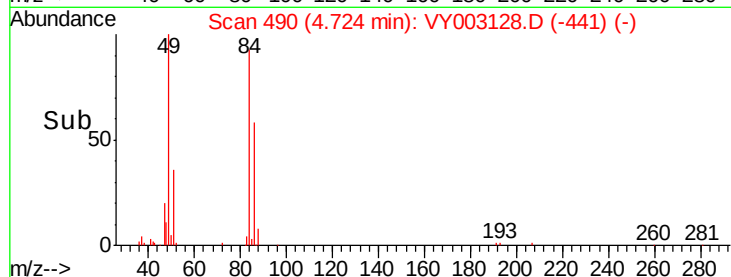


Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 15.016 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.02 min

Lab File: VY003128.D

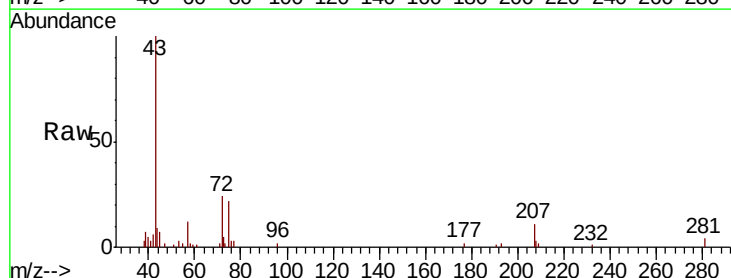
Acq: 07 Jul 2020 15:50

Tgt Ion: 43 Resp: 15464

Ion Ratio Lower Upper

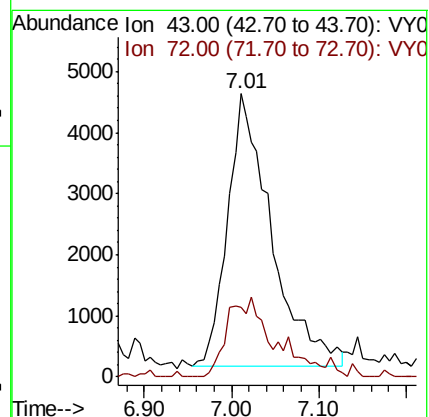
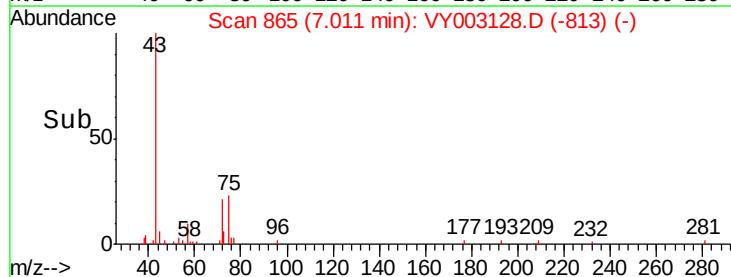
43 100

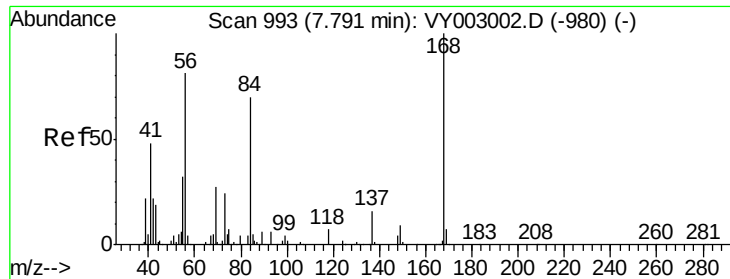
72 25.4 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

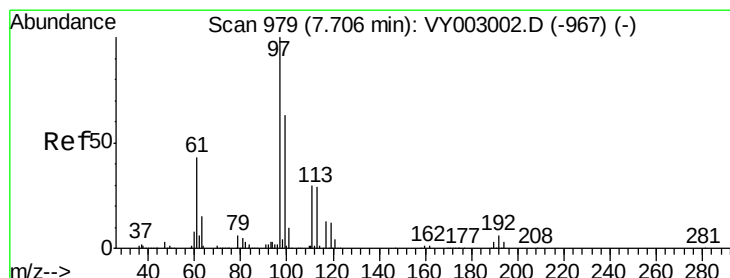
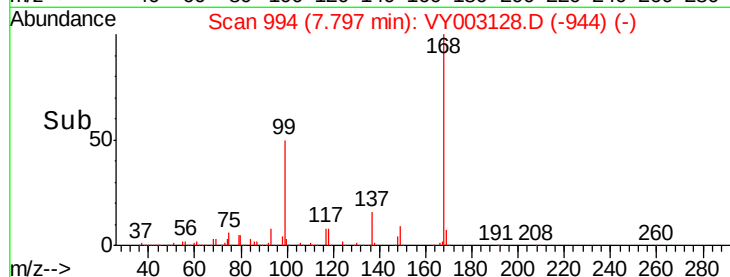
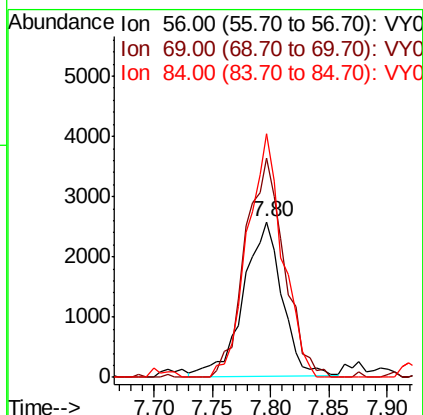
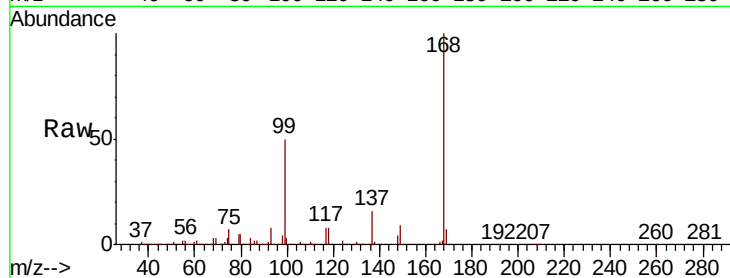




#31
Cyclohexane
Concen: 1.235 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003128.D
Acq: 07 Jul 2020 15:50

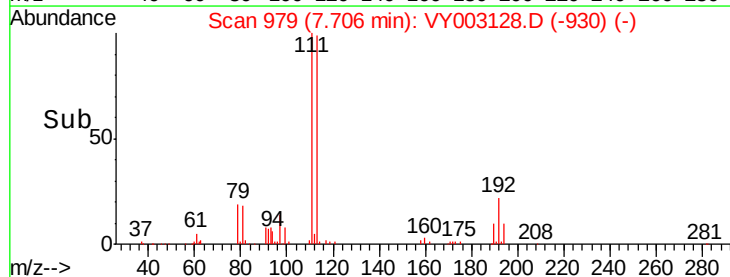
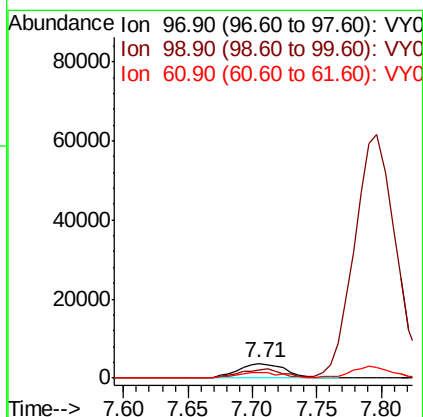
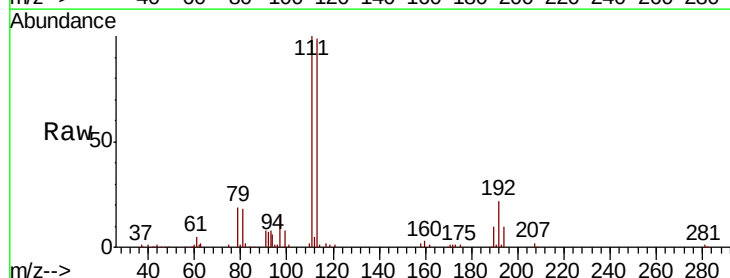
Instrument :
MSVOA_Y
ClientSampleId :
E3-41-COMP-1-FLOOR

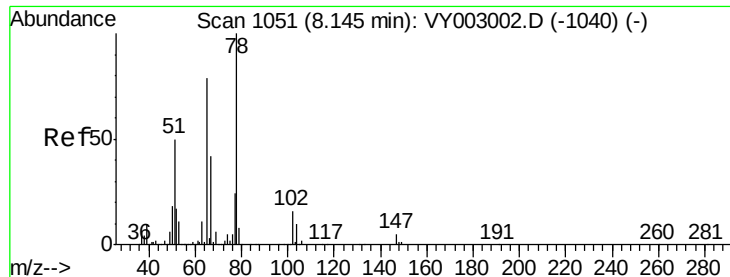
Tot Ion: 56 Resp: 5969
Ion Ratio Lower Upper
56 100
69 144.0 27.0 40.4#
84 160.1 68.1 102.1#



#32
1,1,1-Trichloroethane
Concen: 2.121 ug/l
RT: 7.71 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003128.D
Acq: 07 Jul 2020 15:50

Tgt Ion: 97 Resp: 9414
Ion Ratio Lower Upper
97 100
99 59.3 51.4 77.2
61 41.7 33.9 50.9

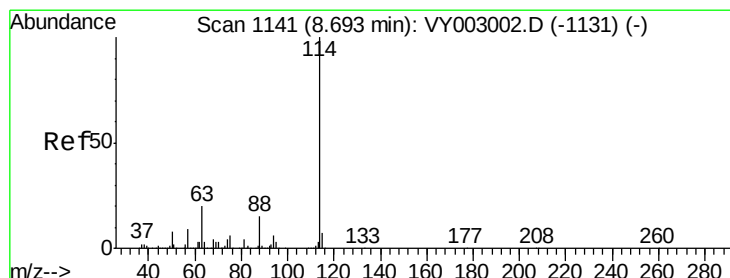
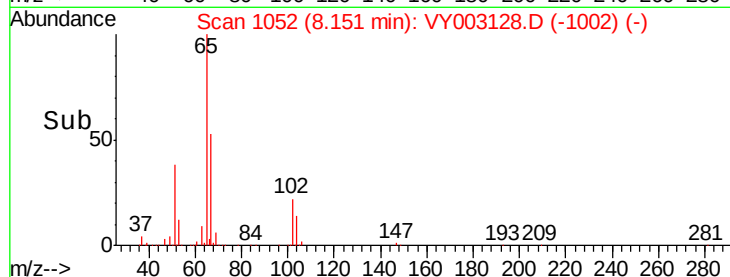
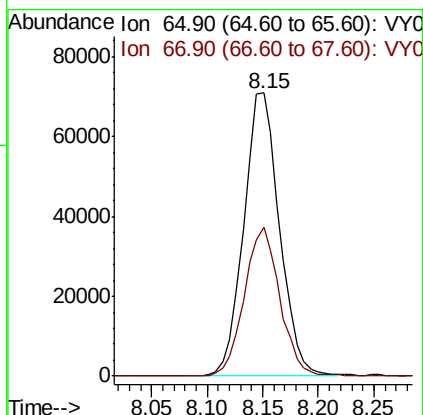
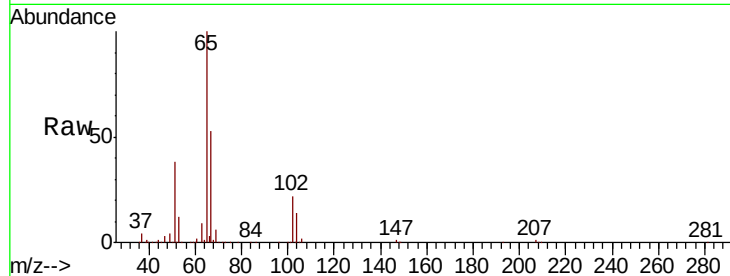




#33
 1,2-Dichloroethane-d4
 Concen: 57.680 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003128.D
 Acq: 07 Jul 2020 15:50

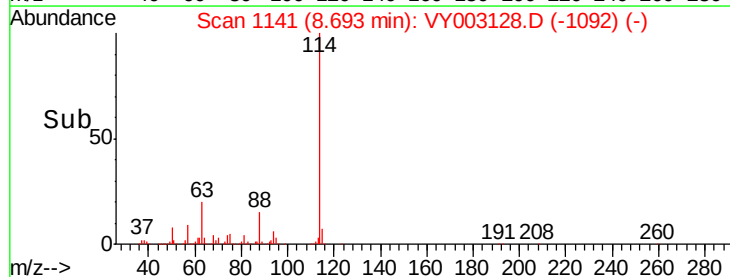
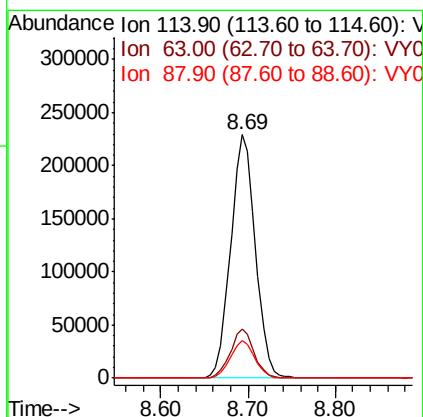
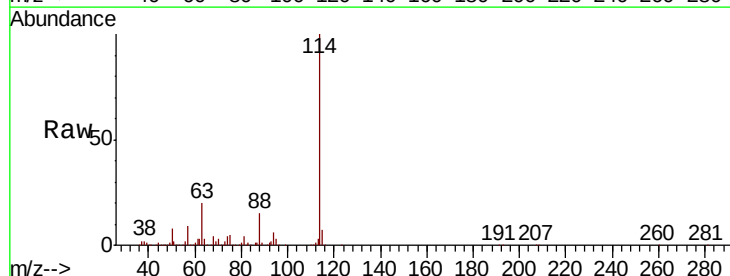
Instrument :
 MSVOA_Y
 ClientSampleId :
 E3-41-COMP-1-FLOOR

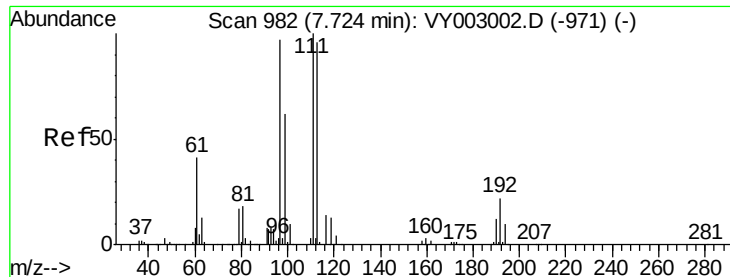
Tot Ion: 65 Resp: 158552
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003128.D
 Acq: 07 Jul 2020 15:50

Tgt Ion: 114 Resp: 449522
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.6
 88 15.3 0.0 30.0

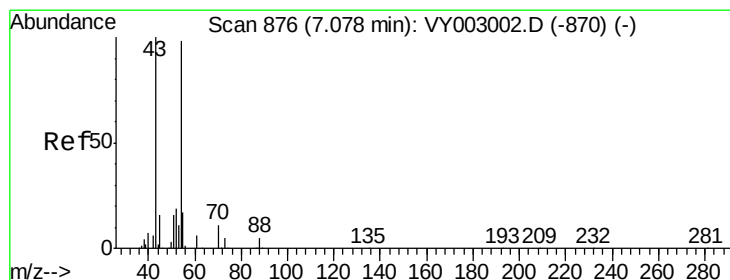
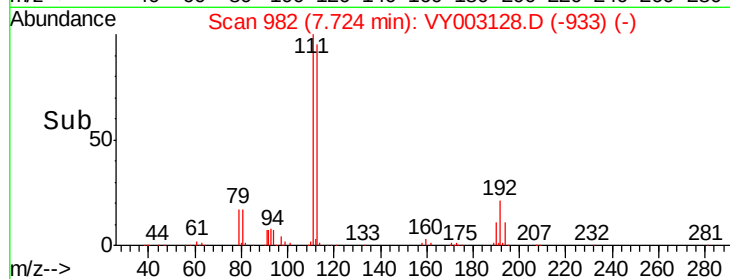
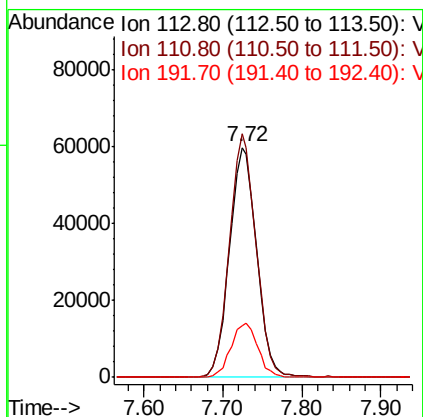
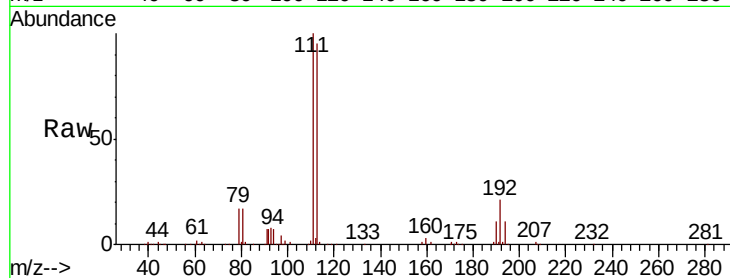




#35
 Dibromofluoromethane
 Concen: 51.217 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003128.D
 Acq: 07 Jul 2020 15:50

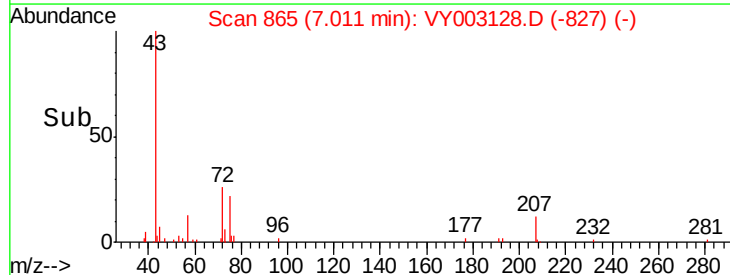
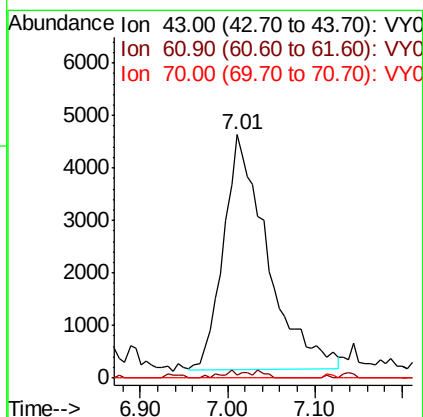
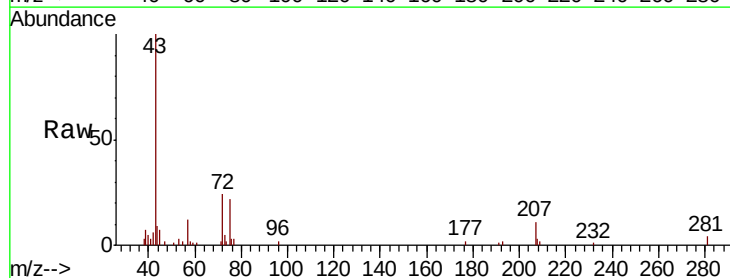
Instrument :
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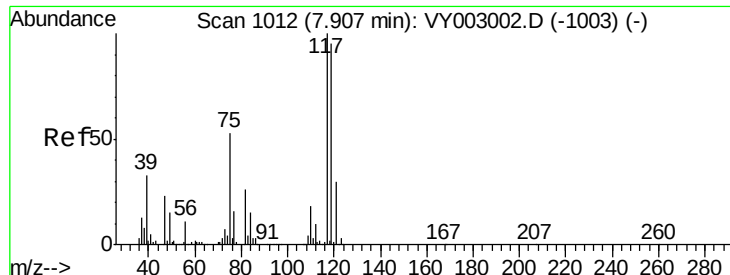
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	123.8
192	23.1	18.1	27.1



#37
 Ethyl Acetate
 Concen: 6.026 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VY003128.D
 Acq: 07 Jul 2020 15:50

Tgt Ion	Ratio	Lower	Upper
43	100		
61	1.3	10.4	15.6#
70	0.0	7.7	11.5#





#38

Carbon Tetrachloride

Concen: 5.545 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003128.D

Acq: 07 Jul 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

E3-41-COMP-1-FLOOR

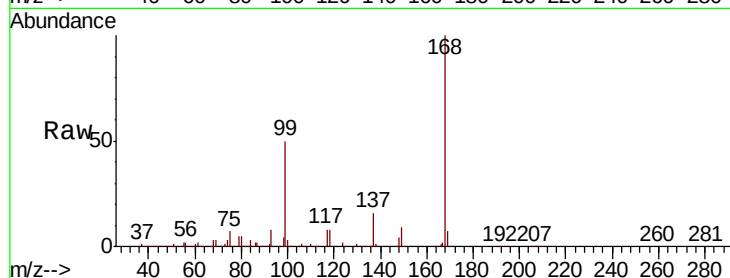
Tot Ion:117 Resp: 24982

Ion Ratio Lower Upper

117 100

119 5.4 75.7 113.5#

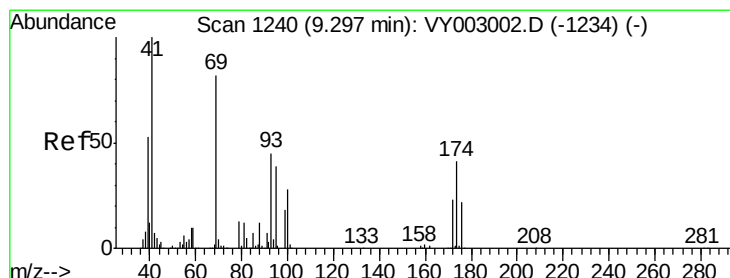
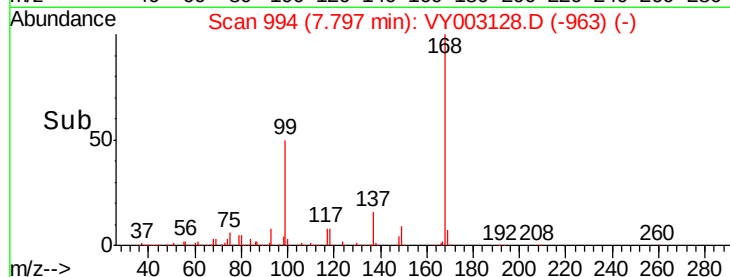
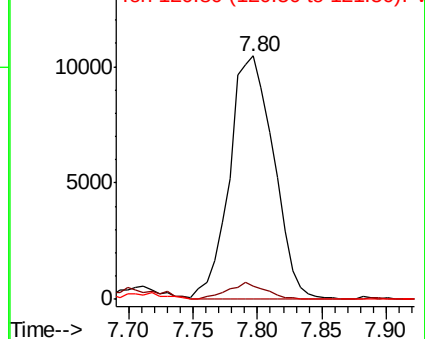
121 0.0 23.9 35.9#



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



#48

Methyl methacrylate

Concen: 1.142 ug/l

RT: 9.27 min Scan# 1235

Delta R.T. -0.03 min

Lab File: VY003128.D

Acq: 07 Jul 2020 15:50

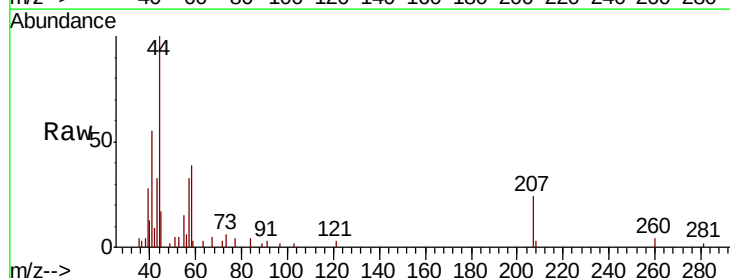
Tgt Ion: 41 Resp: 2572

Ion Ratio Lower Upper

41 100

69 0.0 67.7 101.5#

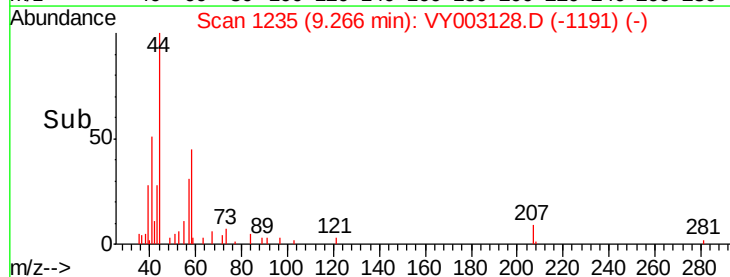
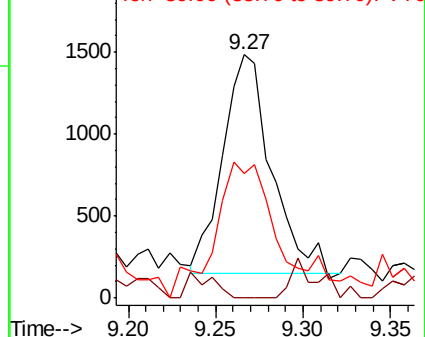
39 82.4 45.0 67.4#

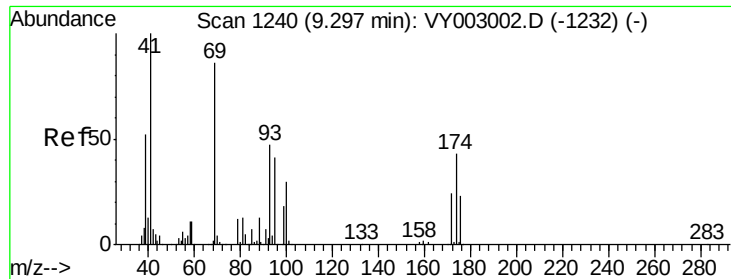


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

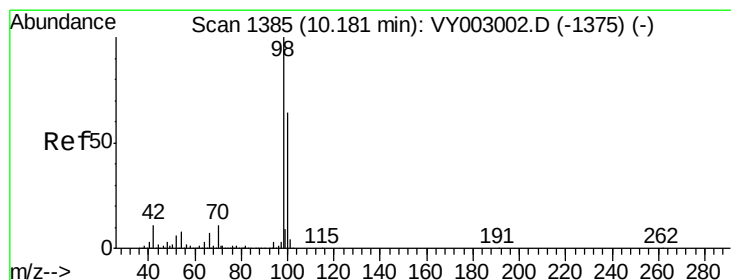
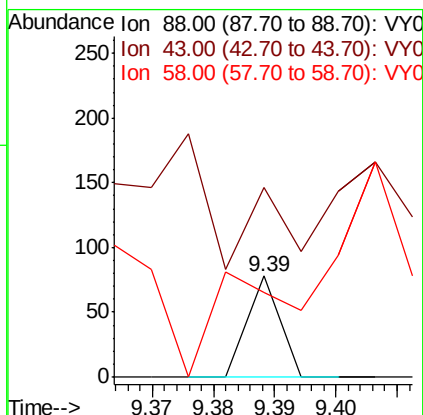
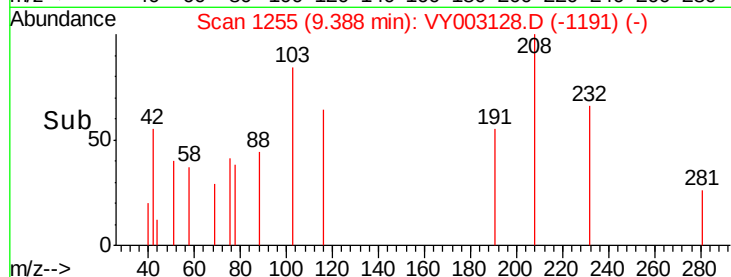
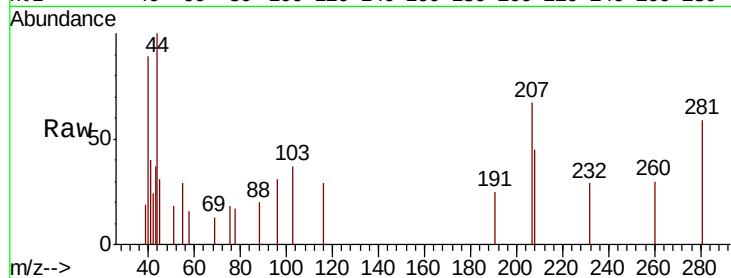




#49
1,4-Dioxane
Concen: 1.334 ug/l
RT: 9.39 min Scan# 1255
Delta R.T. 0.09 min
Lab File: VY003128.D
Acq: 07 Jul 2020 15:50

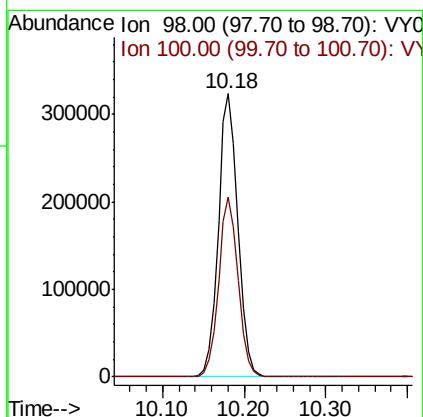
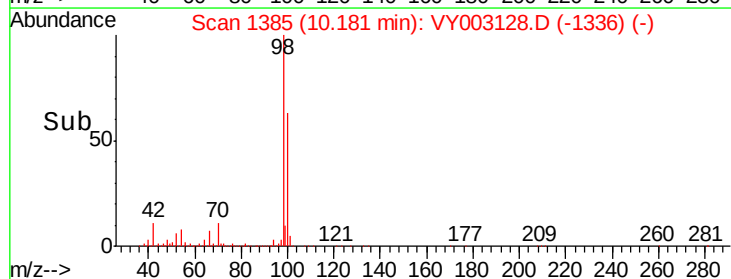
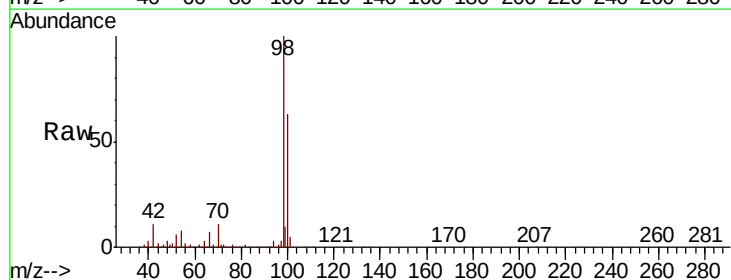
Instrument :
MSVOA_Y
ClientSampleId :
E3-41-COMP-1-FLOOR

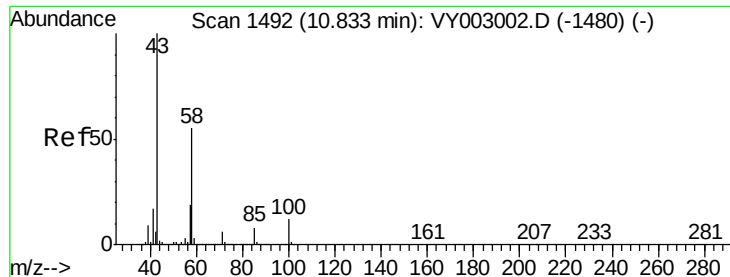
Tot Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 410.3 28.6 42.8#
58 0.0 56.7 85.1#



#50
Toluene-d8
Concen: 51.639 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003128.D
Acq: 07 Jul 2020 15:50

Tgt Ion: 98 Resp: 539467
Ion Ratio Lower Upper
98 100
100 63.2 51.1 76.7

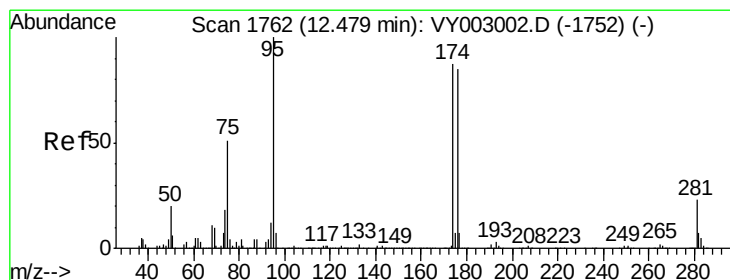
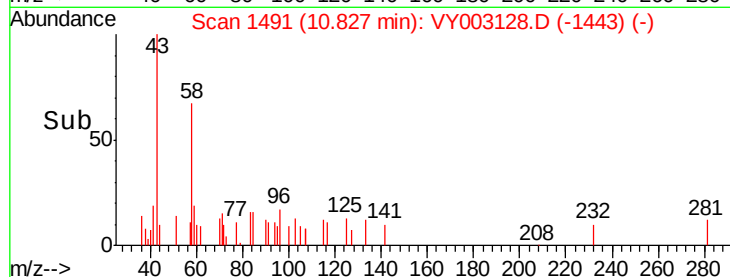
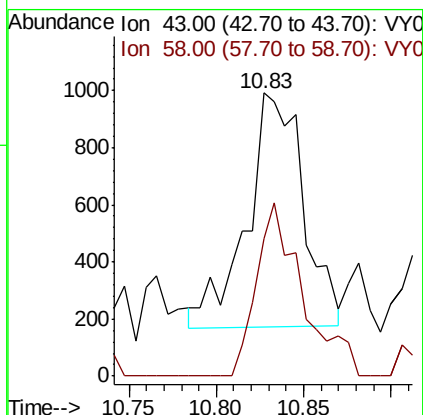
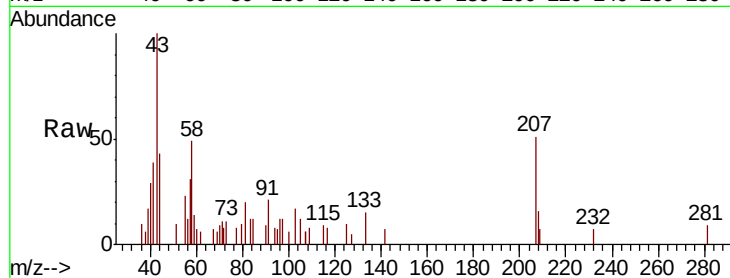




#59
2-Hexanone
Concen: 1.031 ug/l
RT: 10.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VY003128.D
Acq: 07 Jul 2020 15:50

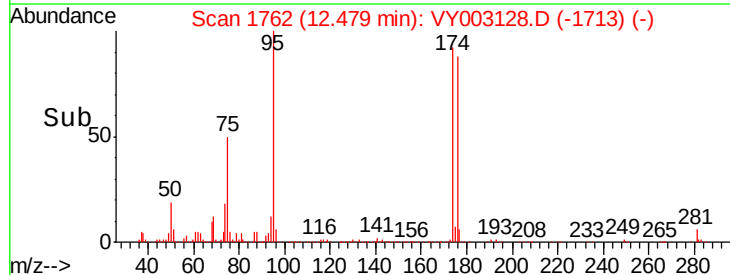
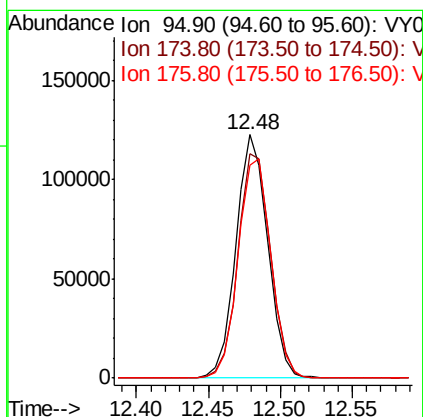
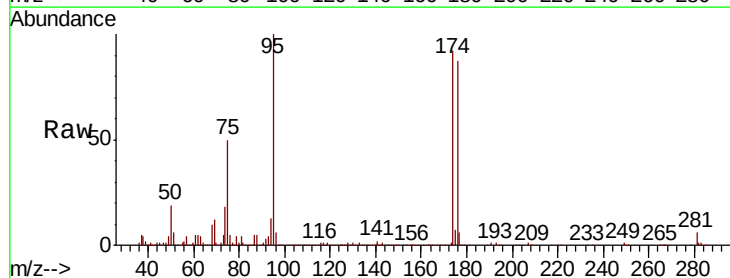
Instrument :
MSVOA_Y
ClientSampleId :
E3-41-COMP-1-FLOOR

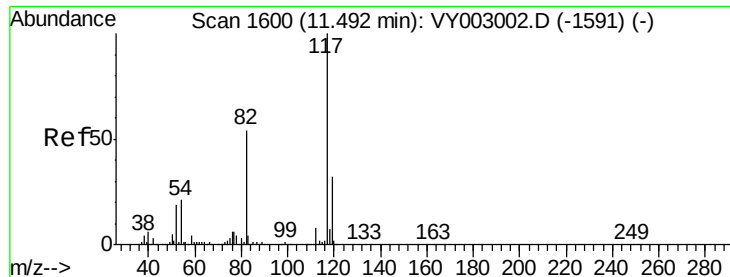
Tot Ion: 43 Resp: 1844
Ion Ratio Lower Upper
43 100
58 60.6 27.5 82.4



#62
4-Bromofluorobenzene
Concen: 50.807 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003128.D
Acq: 07 Jul 2020 15:50

Tgt Ion: 95 Resp: 186833
Ion Ratio Lower Upper
95 100
174 95.2 0.0 184.8
176 93.1 0.0 183.0

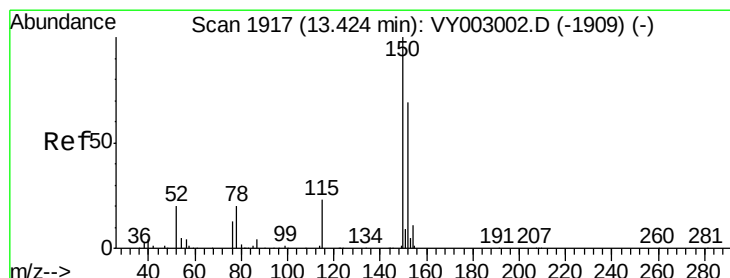
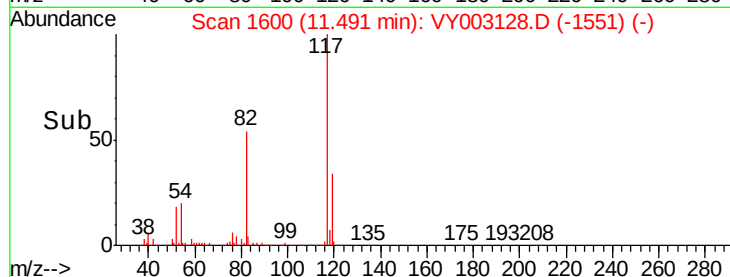
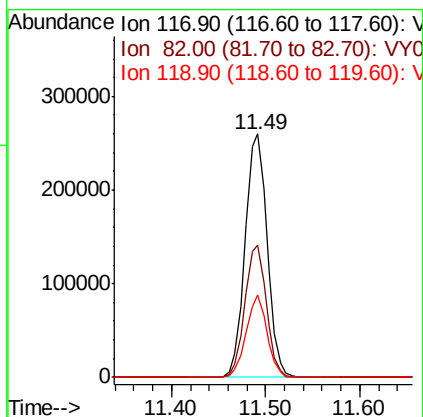
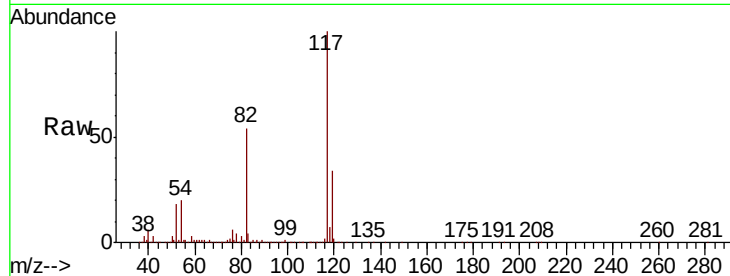




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003128.D
Acq: 07 Jul 2020 15:50

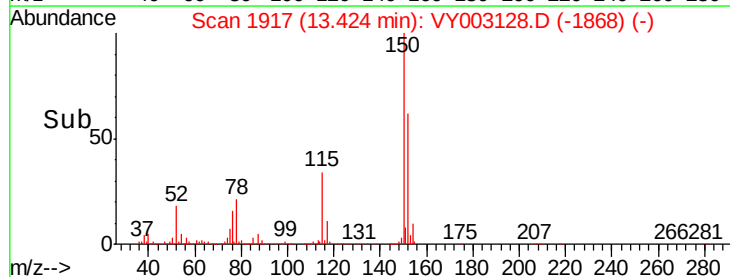
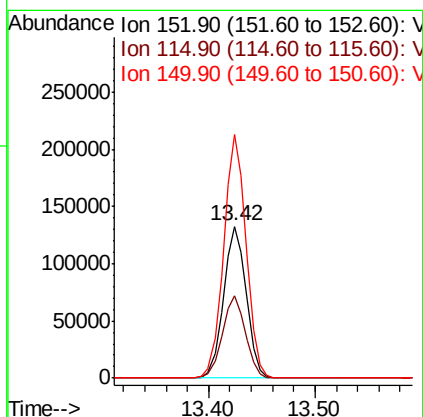
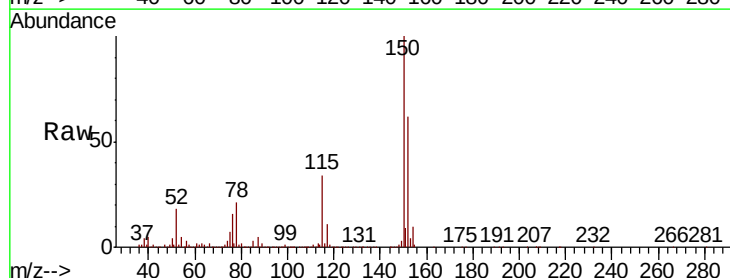
Instrument :
MSVOA_Y
ClientSampleId :
E3-41-COMP-1-FLOOR

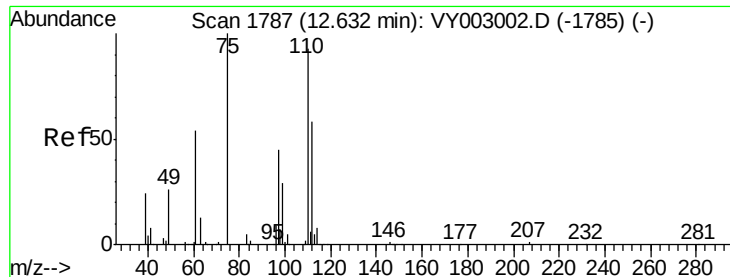
Tot Ion:117 Resp: 425079
Ion Ratio Lower Upper
117 100
82 54.4 43.0 64.6
119 34.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003128.D
Acq: 07 Jul 2020 15:50

Tgt Ion:152 Resp: 196934
Ion Ratio Lower Upper
152 100
115 54.3 27.3 81.9
150 158.5 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 49.009 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003128.D

Acq: 07 Jul 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

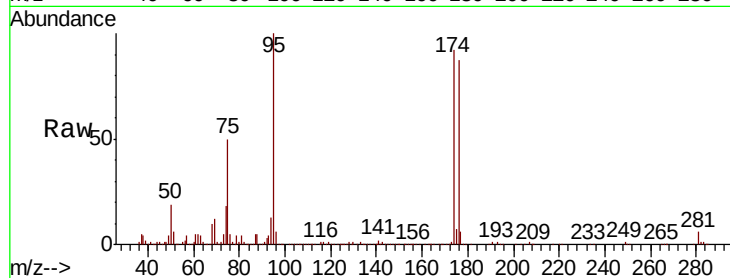
E3-41-COMP-1-FLOOR

Tot Ion: 75 Resp: 95521

Ion Ratio Lower Upper

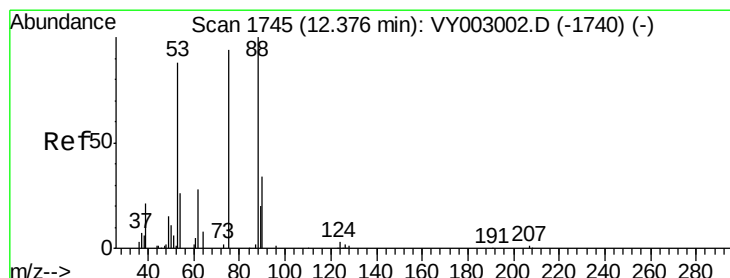
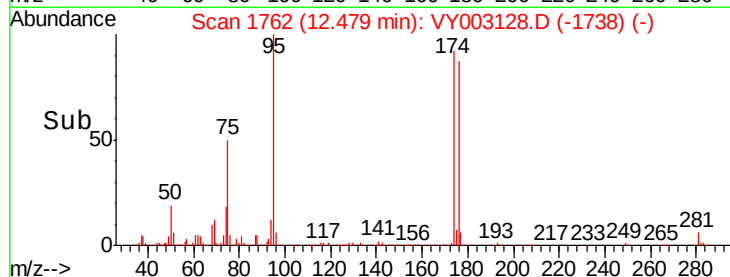
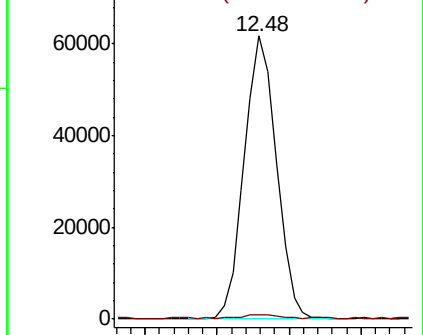
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 95.351 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003128.D

Acq: 07 Jul 2020 15:50

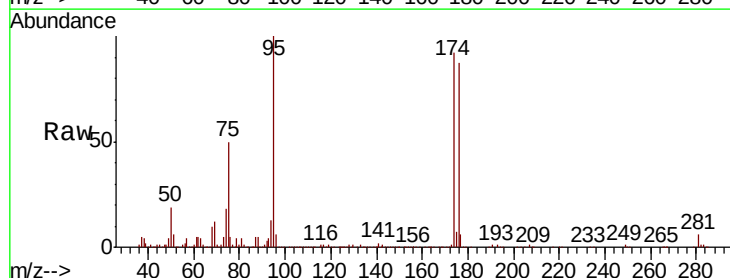
Tgt Ion: 75 Resp: 95521

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

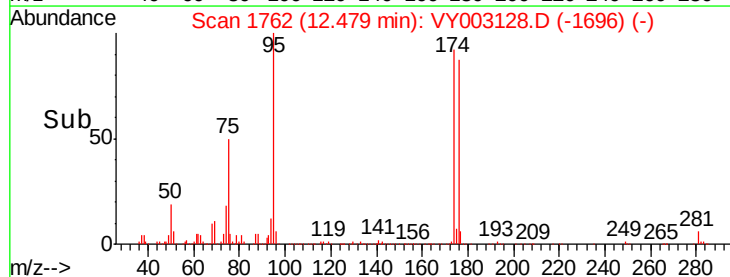
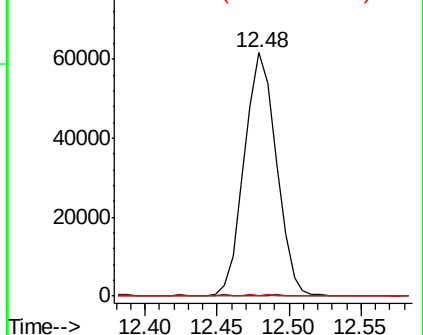
89 0.5 37.5 56.3#

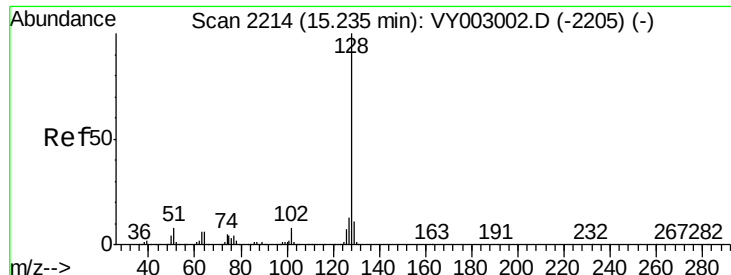


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95
Naphthalene
Concen: 1.180 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003128.D
Acq: 07 Jul 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
E3-41-COMP-1-FLOOR

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.1	10.8	16.2
129	12.8	8.8	13.2

