

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120320\
 Data File : VU041451.D
 Acq On : 03 Dec 2020 15:52
 Operator : SY/MD
 Sample : VSTD0.505
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD0.505

Quant Time: Dec 04 01:53:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 04 01:52:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	63314	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	64703	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	35305	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	1802	0.42	ug/L	0.00
7) Chloroethane-d5	1.92	69	1438	0.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	4234	0.49	ug/L	0.00
20) 2-Butanone-d5	4.66	46	5717	5.10	ug/L	0.02
24) Chloroform-d	5.08	84	4586	0.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.71	65	3086	0.57	ug/L	0.00
32) Benzene-d6	5.74	84	6758	0.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	2175	0.45	ug/L	0.00
41) Toluene-d8	7.90	98	6790	0.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	1016	0.44	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	3748	4.93	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	2040	0.50	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	3182	0.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	3223	0.520 ug/L	92
3) Chloromethane	1.52	50	2099	0.420 ug/L	95
5) Vinyl chloride	1.61	62	2261	0.420 ug/L	90
6) Bromomethane	1.86	94	1584	0.695 ug/L	97
8) Chloroethane	1.94	64	1783	0.567 ug/L	85
9) Trichlorofluoromethane	2.15	101	4616	0.515 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1995	0.454 ug/L	97
12) 1,1-Dichloroethene	2.59	96	1761	0.455 ug/L	100
13) Acetone	2.67	43	3011	3.790 ug/L	100
14) Carbon disulfide	2.81	76	4415	0.341 ug/L #	93
15) Methyl Acetate	2.97	43	700	0.398 ug/L #	51
16) Methylene chloride	3.06	84	2590	0.473 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	5116	0.510 ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	1831	0.439 ug/L	86
19) 1,1-Dichloroethane	3.88	63	3569	0.431 ug/L	90
21) 2-Butanone	4.74	43	5230	4.306 ug/L	92
22) cis-1,2-Dichloroethene	4.69	96	1966	0.438 ug/L	78
23) Bromochloromethane	4.99	128	934	0.470 ug/L	78
25) Chloroform	5.10	83	4523	0.484 ug/L	89
27) 1,2-Dichloroethane	5.81	62	3289	0.529 ug/L #	80
29) 1,1,1-Trichloroethane	5.33	97	4309	0.520 ug/L #	74
30) Cyclohexane	5.40	56	2257	0.344 ug/L #	96
31) Carbon tetrachloride	5.54	117	3677	0.489 ug/L	99
33) Benzene	5.79	78	7263	0.423 ug/L	100
34) Trichloroethene	6.55	95	1968	0.418 ug/L	93
35) Methylcyclohexane	6.77	83	2809	0.417 ug/L	85
37) 1,2-Dichloropropane	6.80	63	1762	0.383 ug/L #	87
38) Bromodichloromethane	7.11	83	2928	0.449 ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	2787	0.426 ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	12213	4.230 ug/L	98

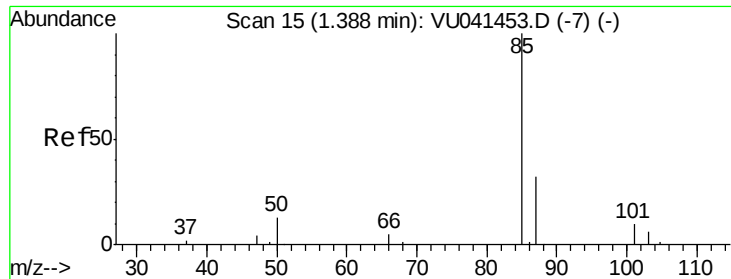
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120320\
 Data File : VU041451.D
 Acq On : 03 Dec 2020 15:52
 Operator : SY/MD
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Quant Time: Dec 04 01:53:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 04 01:52:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	7479	0.408	ug/L	93
44) trans-1,3-Dichloropropene	8.21	75	2772	0.458	ug/L	92
45) 1,1,2-Trichloroethane	8.40	97	1581	0.481	ug/L	99
47) Tetrachloroethene	8.56	164	1747	0.492	ug/L	90
48) 2-Hexanone	8.69	43	9055	4.253	ug/L	93
49) Dibromochloromethane	8.82	129	2188	0.508	ug/L	93
50) 1,2-Dibromoethane	8.93	107	1394	0.439	ug/L #	95
51) Chlorobenzene	9.45	112	5435	0.453	ug/L	94
52) Ethylbenzene	9.57	91	7921	0.400	ug/L	88
53) m,p-Xylene	9.70	106	3030	0.419	ug/L	85
54) o-Xylene	10.10	106	2826	0.405	ug/L	95
55) Styrene	10.11	104	5052	0.429	ug/L	99
56) Isopropylbenzene	10.48	105	7882	0.415	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	1824	0.454	ug/L	89
59) 1,2,3-Trichloropropane	10.82	75	1471	0.469	ug/L	91
61) Bromoform	10.29	173	1442	0.556	ug/L #	90
62) 1,3-Dichlorobenzene	11.74	146	4541	0.444	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	4442	0.437	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	4345	0.456	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.00	75	346	0.447	ug/L #	79
67) 1,3,5-Trichlorobenzene	13.21	180	3391	0.463	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	2476	0.429	ug/L	92
69) Naphthalene	14.08	128	3046	0.338	ug/L #	92
70) 1,2,3-Trichlorobenzene	14.32	180	2230	0.425	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 0.520 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

Instrument :

MSVOA_Y

ClientSampleId :

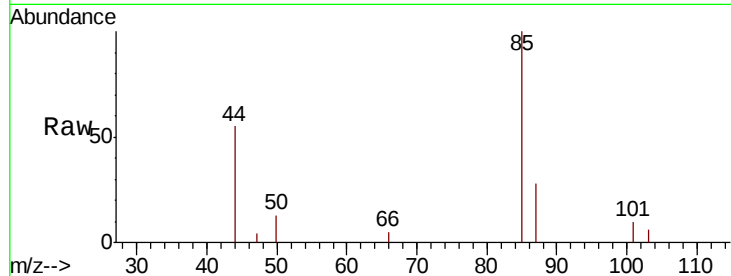
VSTD0.505

Tot Ion: 85 Resp: 3223

Ion Ratio Lower Upper

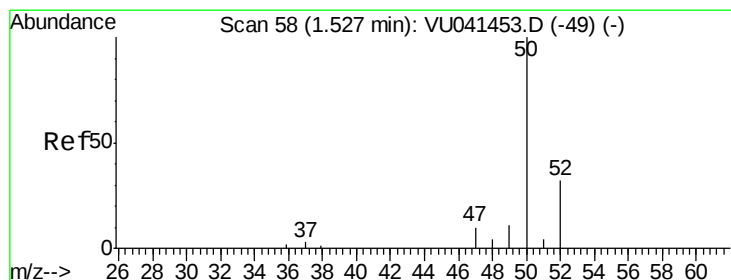
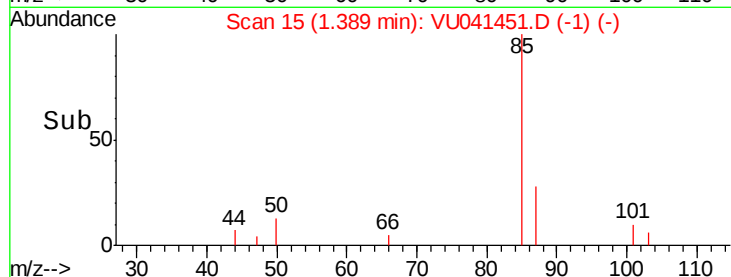
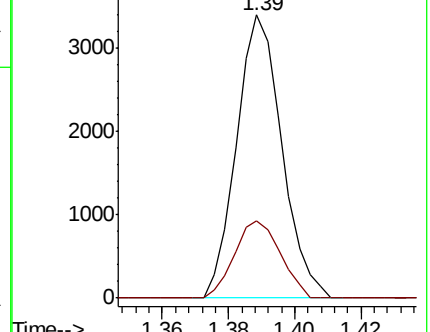
85 100

87 27.7 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU041451.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041451.D (-7) (-)



#3

Chloromethane

Concen: 0.420 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041451.D

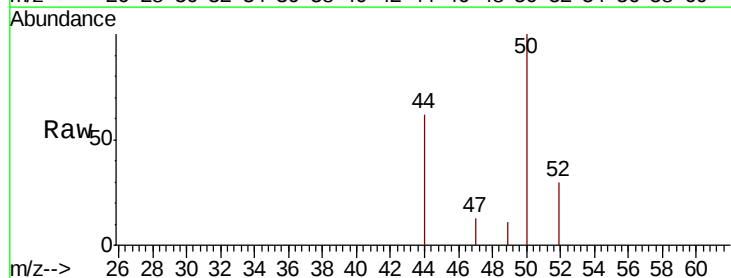
Acq: 03 Dec 2020 15:52

Tgt Ion: 50 Resp: 2099

Ion Ratio Lower Upper

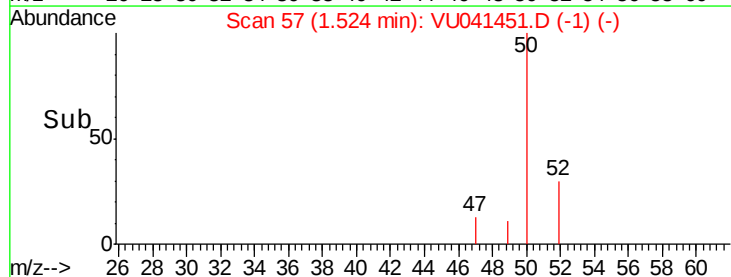
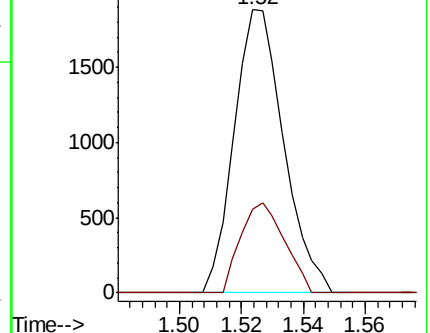
50 100

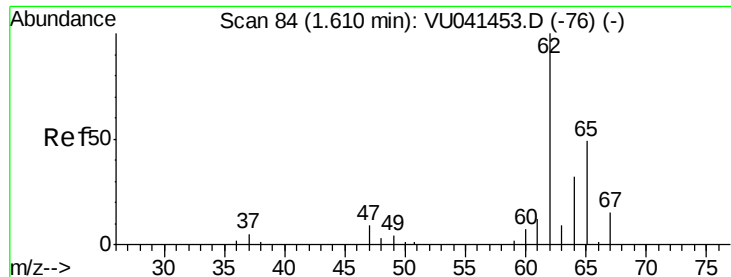
52 29.6 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VU041451.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041451.D (-49) (-)





#5

Vinyl chloride

Concen: 0.420 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

Instrument :

MSVOA_Y

ClientSampleId :

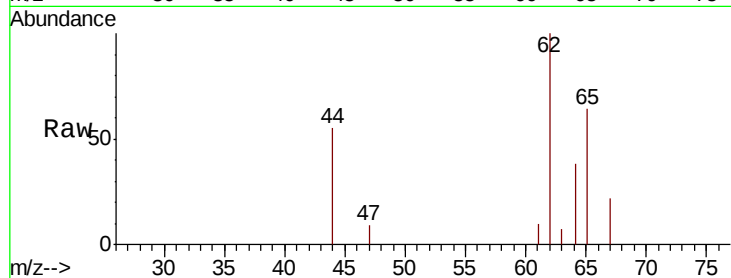
VSTD0.505

Tot Ion: 62 Resp: 2261

Ion Ratio Lower Upper

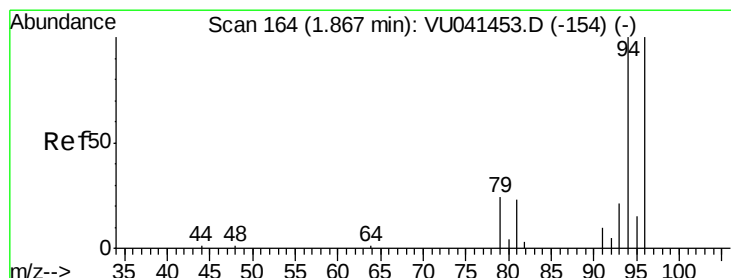
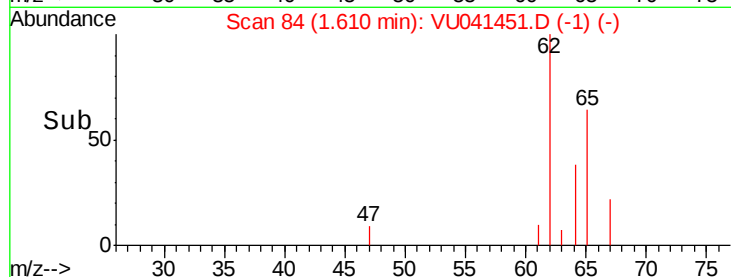
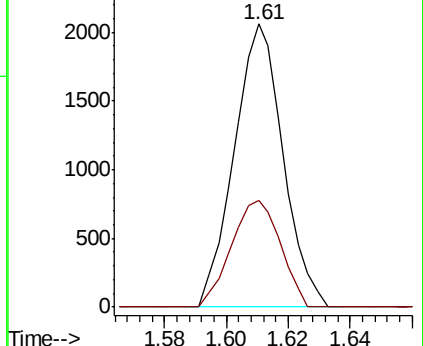
62 100

64 37.6 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.695 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041451.D

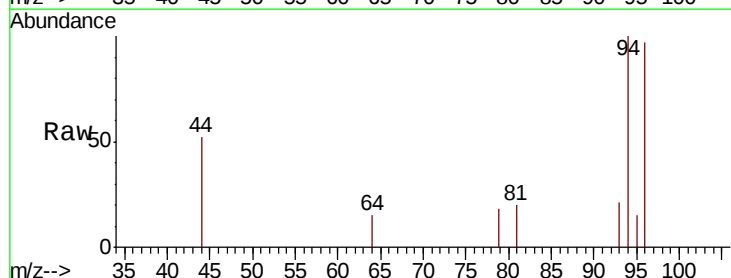
Acq: 03 Dec 2020 15:52

Tgt Ion: 94 Resp: 1584

Ion Ratio Lower Upper

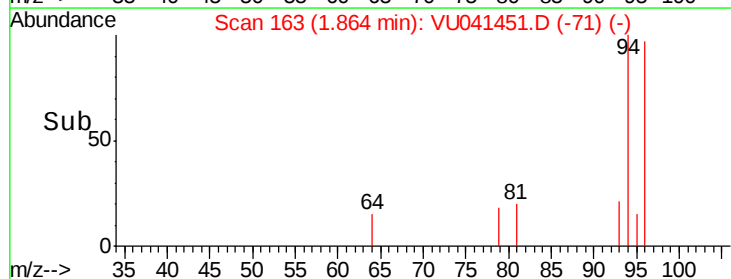
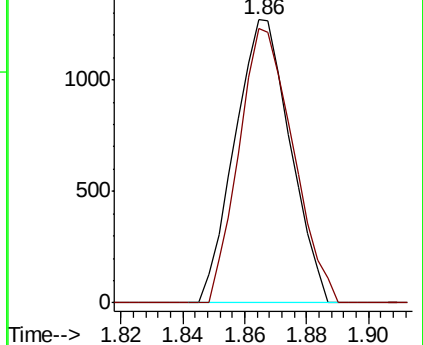
94 100

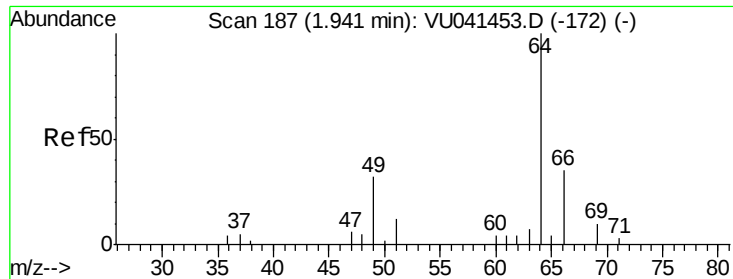
96 97.0 69.9 129.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

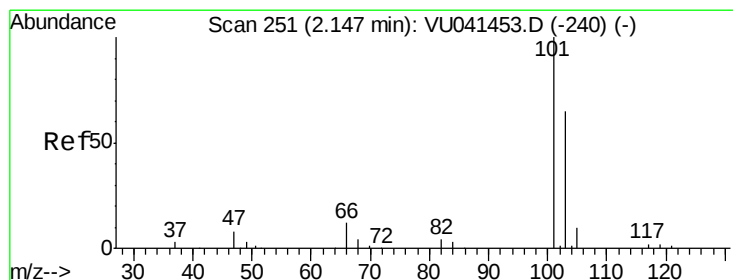
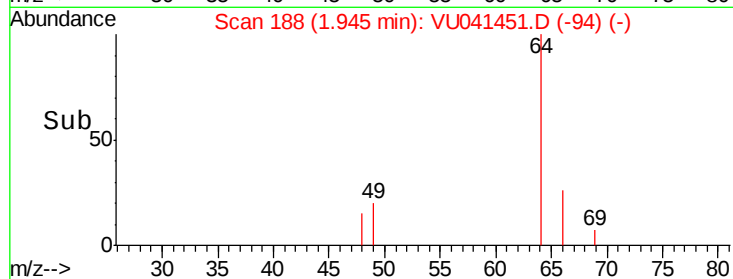
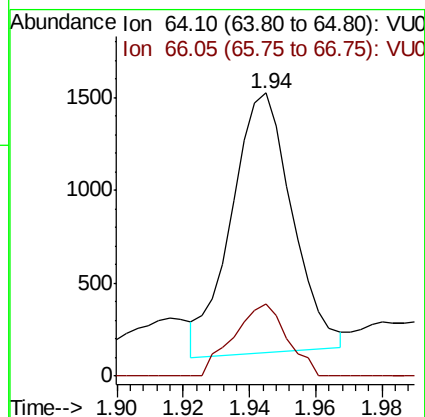
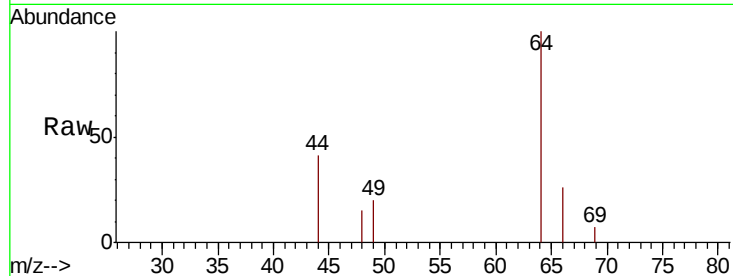




#8
Chloroethane
Concen: 0.567 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU041451.D
Acq: 03 Dec 2020 15:52

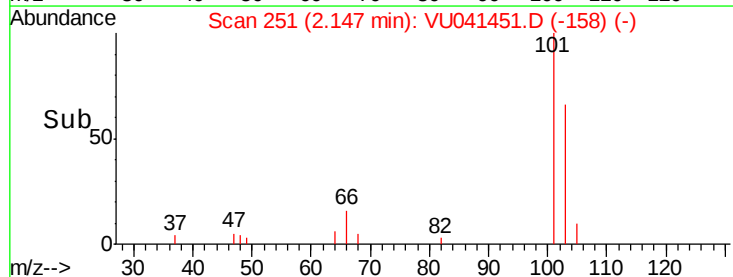
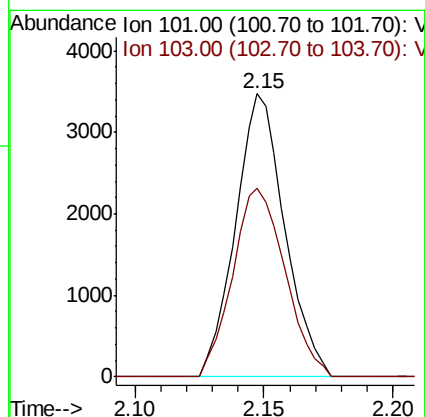
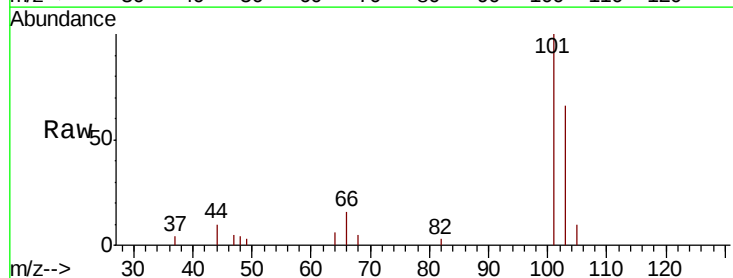
Instrument :
MSVOA_Y
ClientSampleId :
VSTD0.505

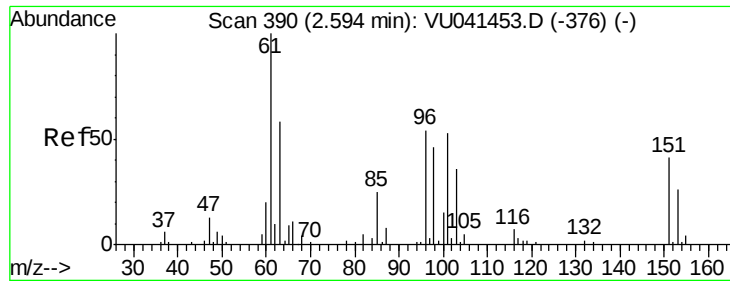
Tot Ion: 64 Resp: 1783
Ion Ratio Lower Upper
64 100
66 25.7 24.1 44.7



#9
Trichlorofluoromethane
Concen: 0.515 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041451.D
Acq: 03 Dec 2020 15:52

Tgt Ion: 101 Resp: 4616
Ion Ratio Lower Upper
101 100
103 71.1 52.1 78.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.454 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD0.505

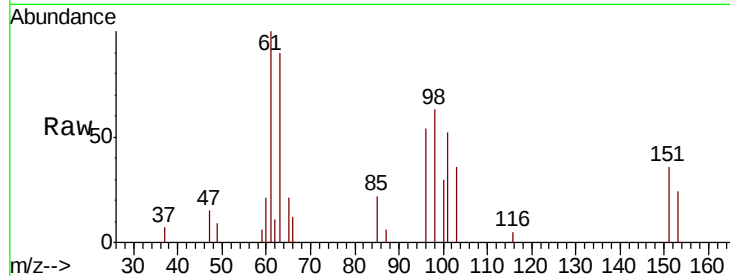
Tot Ion:101 Resp: 1995

Ion Ratio Lower Upper

101 100

85 42.2 37.4 56.0

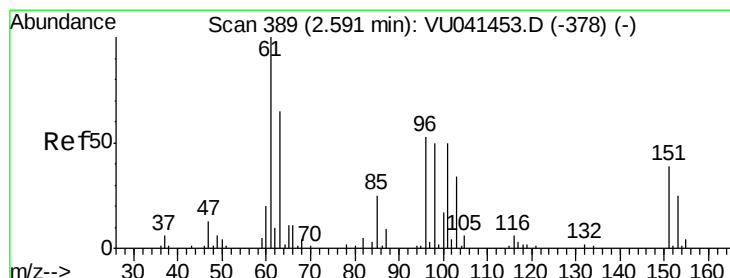
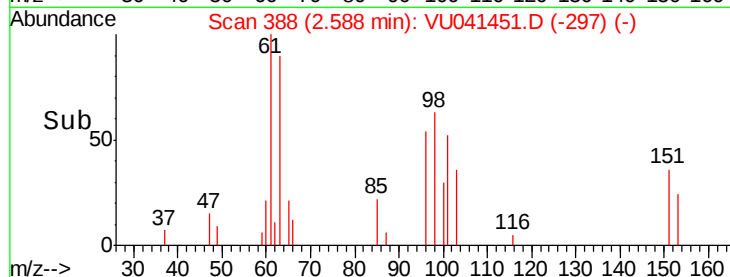
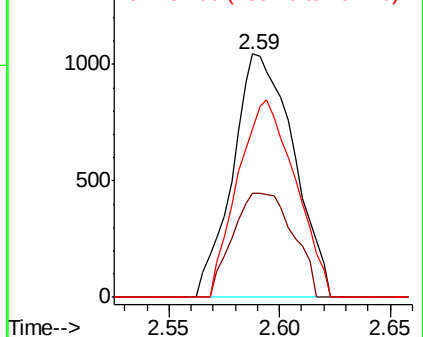
151 76.8 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.455 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

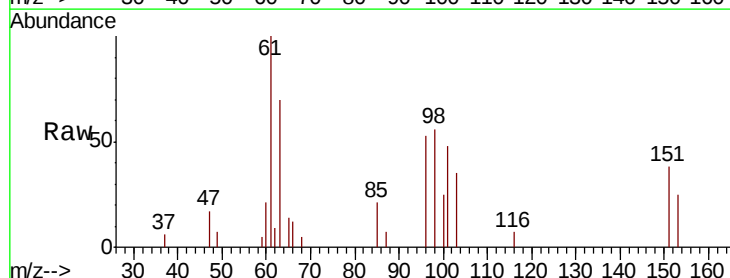
Tgt Ion: 96 Resp: 1761

Ion Ratio Lower Upper

96 100

61 189.2 132.6 246.2

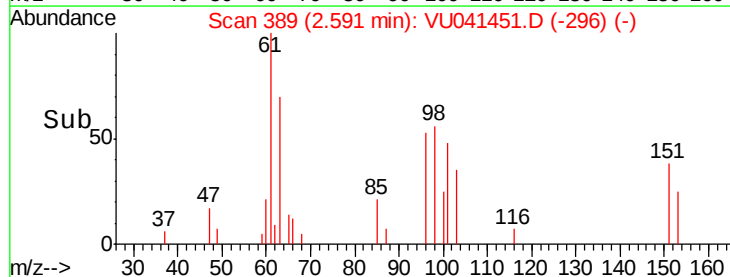
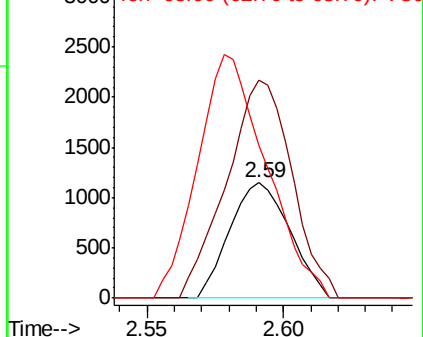
63 132.0 91.9 170.7

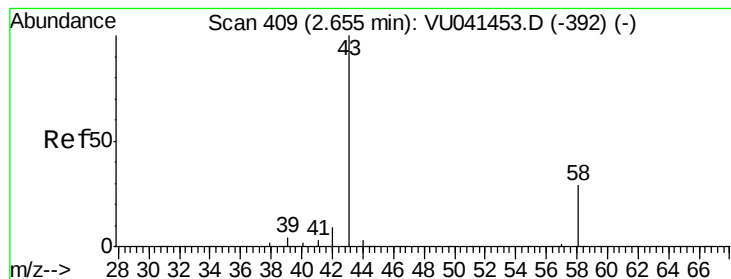


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.790 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

Instrument :

MSVOA_Y

ClientSampled :

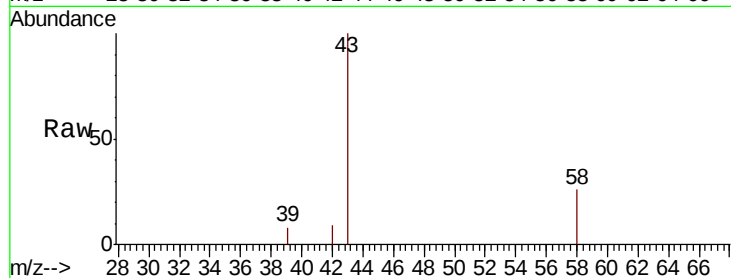
VSTD0.505

Tot Ion: 43 Resp: 3011

Ion Ratio Lower Upper

43 100

58 26.0 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.67

1500

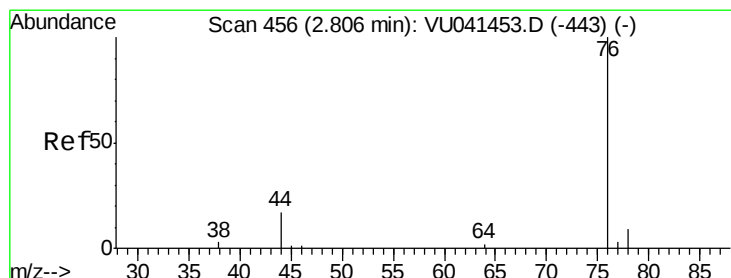
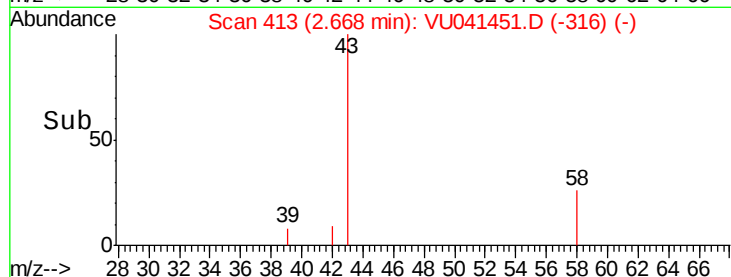
1000

500

0

2.65 2.70 2.75

Time-->



#14

Carbon disulfide

Concen: 0.341 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041451.D

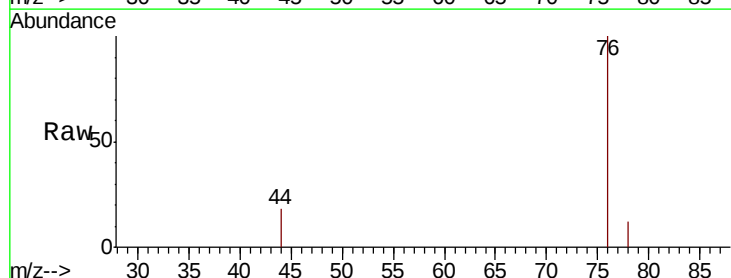
Acq: 03 Dec 2020 15:52

Tgt Ion: 76 Resp: 4415

Ion Ratio Lower Upper

76 100

78 11.8 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

3000

2500

2000

1500

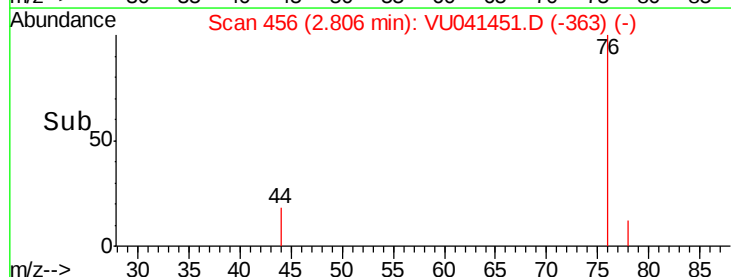
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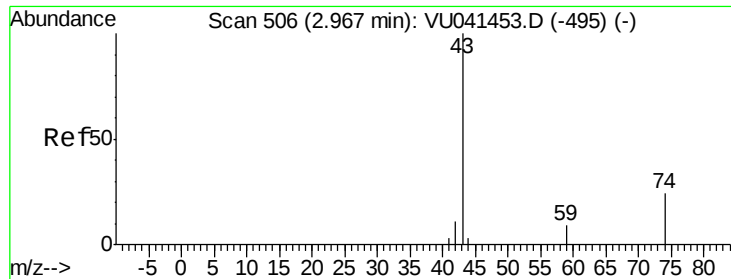
500

0

2.75 2.80 2.85

Time-->





#15

Methyl Acetate

Concen: 0.398 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.01 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

Instrument :

MSVOA_Y

ClientSampleId :

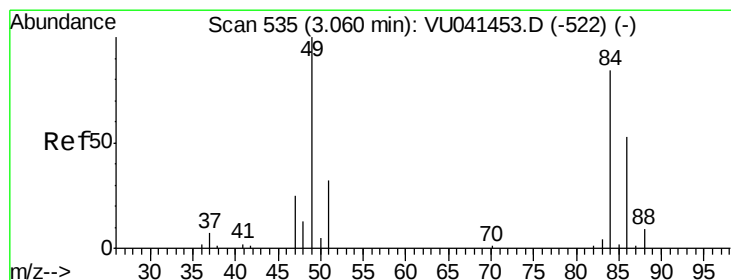
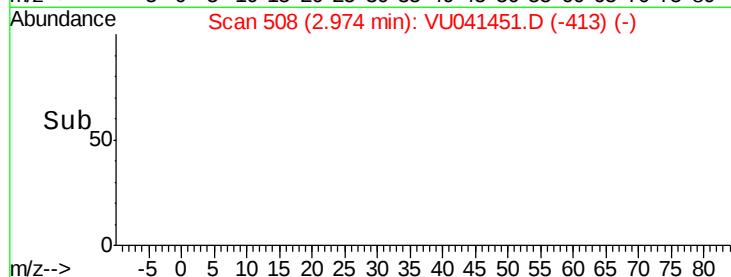
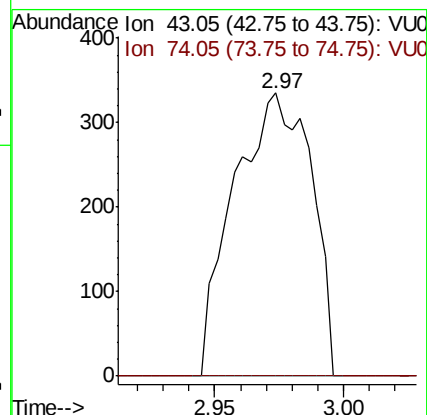
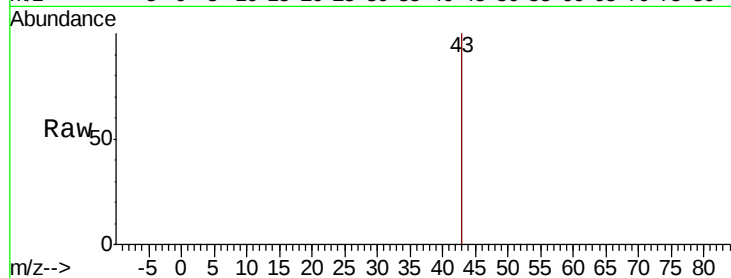
VSTD0.505

Tot Ion: 43 Resp: 700

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



#16

Methylene chloride

Concen: 0.473 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

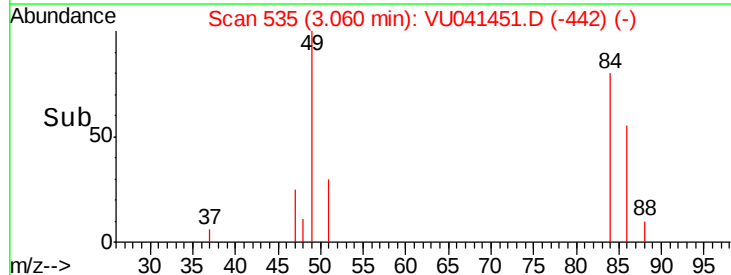
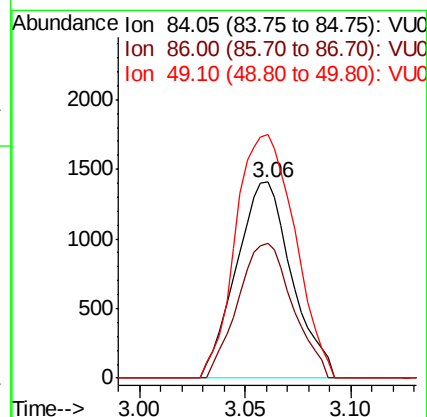
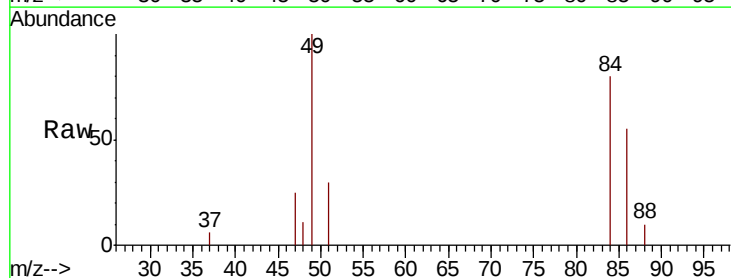
Tgt Ion: 84 Resp: 2590

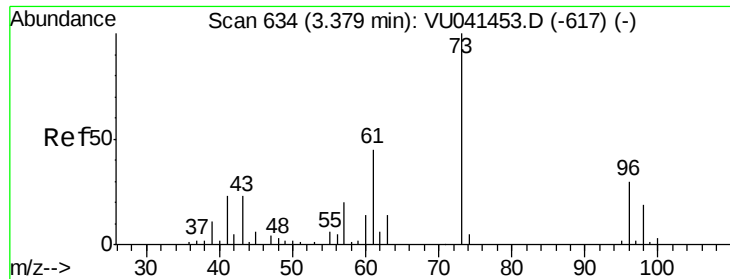
Ion Ratio Lower Upper

84 100

86 68.9 44.3 82.3

49 124.3 83.2 154.4

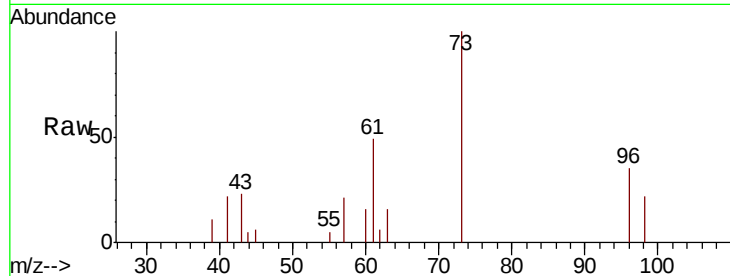




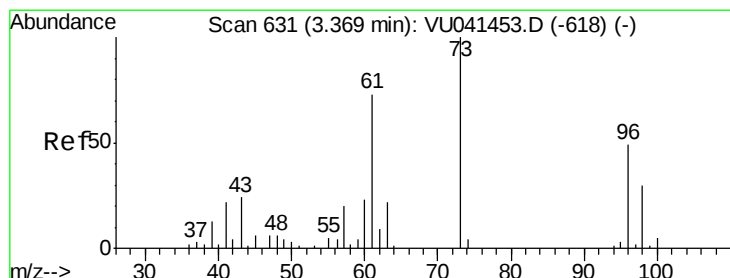
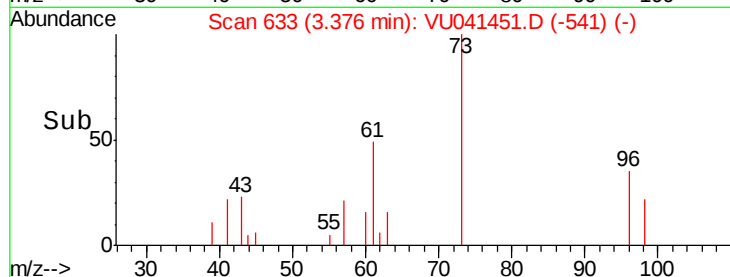
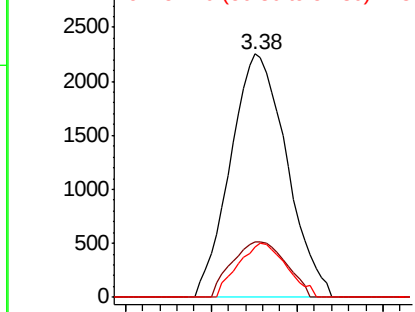
#17
Methvl tert-butvl Ether
Concen: 0.510 ug/L
RT: 3.38 min Scan# 633
Delta R.T. -0.00 min
Lab File: VU041451.D
Acq: 03 Dec 2020 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTD0.505

Tot Ion: 73 Resp: 5116
Ion Ratio Lower Upper
73 100
43 21.9 19.3 28.9
57 19.3 16.1 24.1

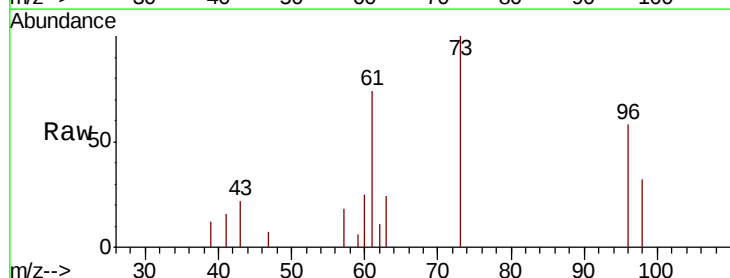


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

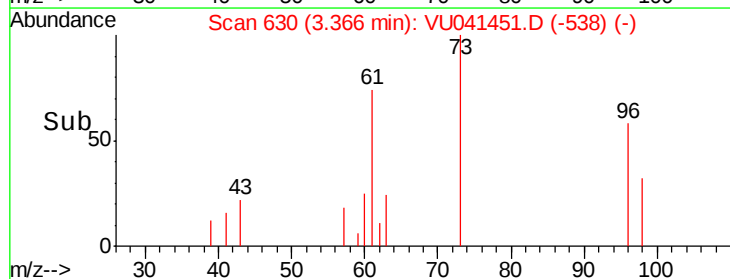
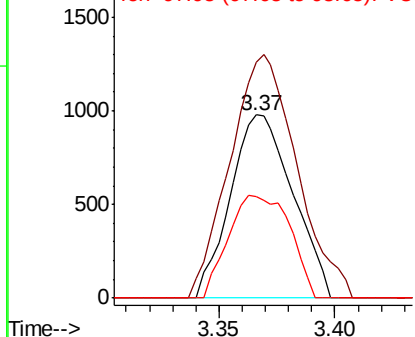


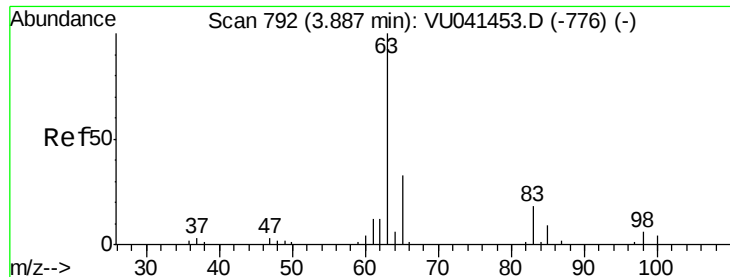
#18
trans-1,2-Dichloroethene
Concen: 0.439 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU041451.D
Acq: 03 Dec 2020 15:52

Tgt Ion: 96 Resp: 1831
Ion Ratio Lower Upper
96 100
61 129.0 104.4 193.8
98 55.6 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

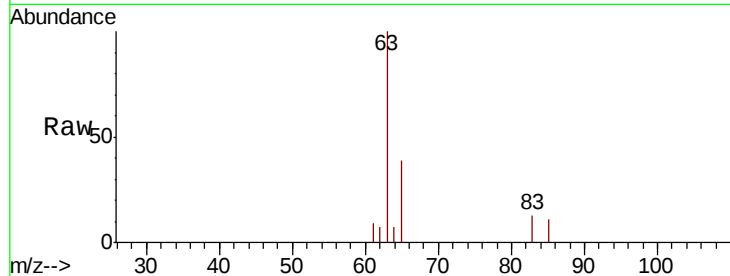




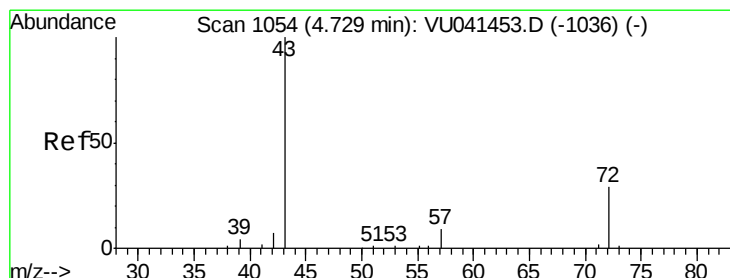
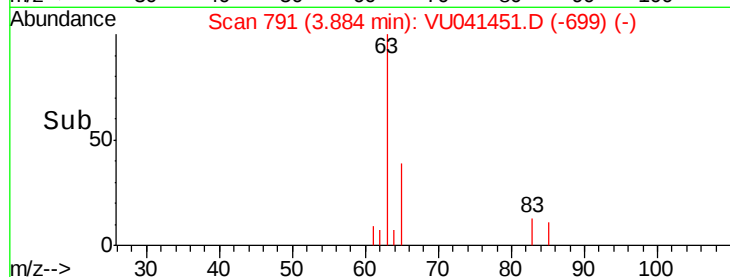
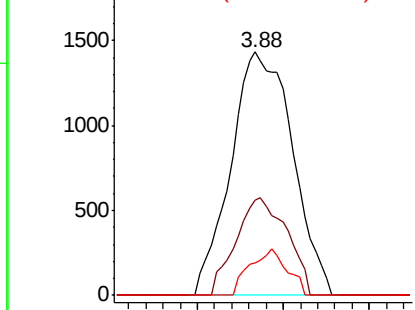
#19
 1,1-Dichloroethane
 Concen: 0.431 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VU041451.D
 Acq: 03 Dec 2020 15:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD0.505

Tot Ion:	63	Resp:	3569
Ion	Ratio	Lower	Upper
63	100		
65	39.3	23.3	43.3
83	13.4	12.4	23.0

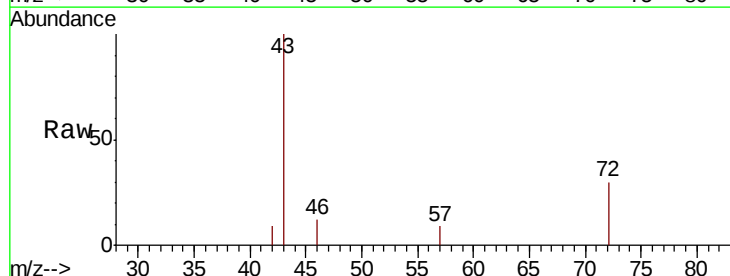


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

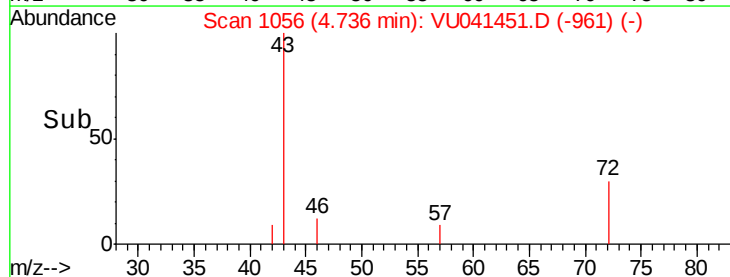
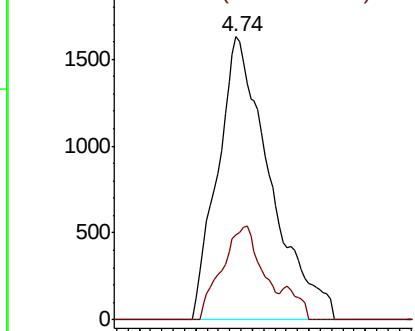


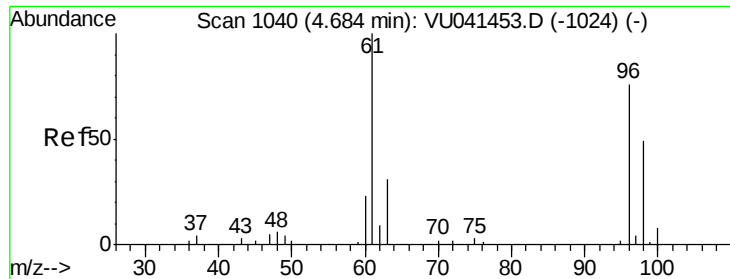
#21
 2-Butanone
 Concen: 4.306 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VU041451.D
 Acq: 03 Dec 2020 15:52

Tgt Ion:	43	Resp:	5230
Ion	Ratio	Lower	Upper
43	100		
72	25.6	14.9	44.5



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



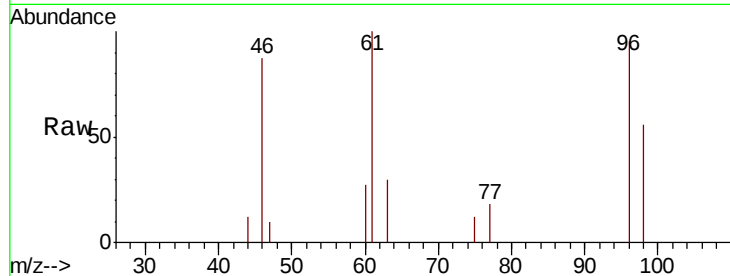


#22

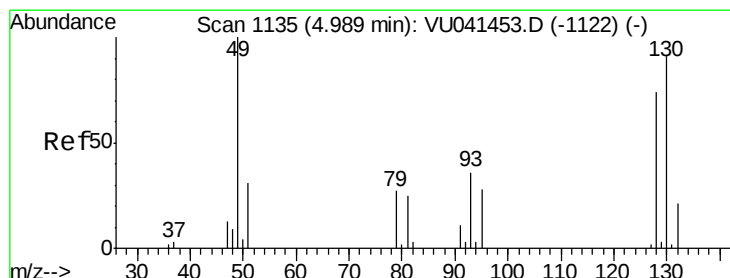
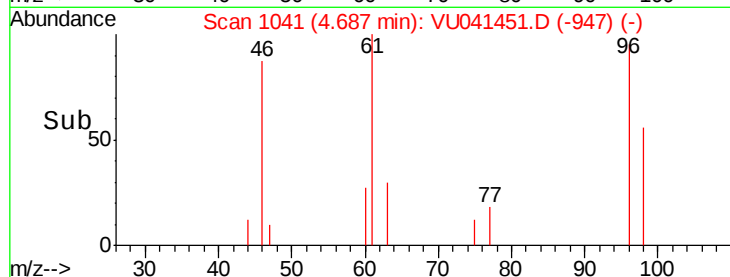
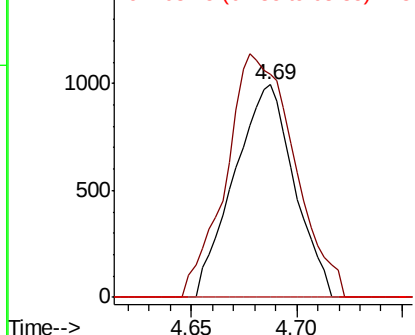
cis-1,2-Dichloroethene
 Concen: 0.438 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU041451.D
 Acq: 03 Dec 2020 15:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD0.505

Tot Ion: 96 Resp: 1966
 Ion Ratio Lower Upper
 96 100
 61 105.0 91.7 170.3
 68 0.0 0.0 0.0



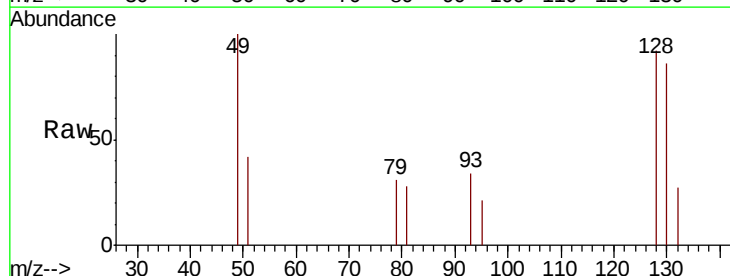
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



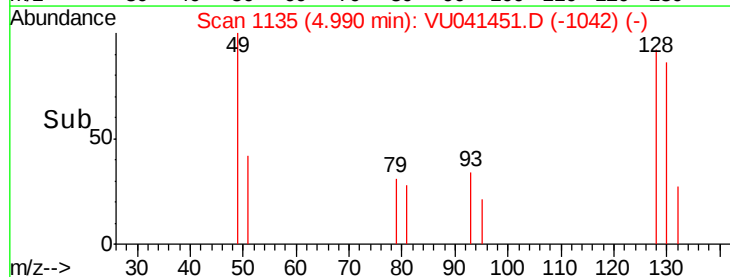
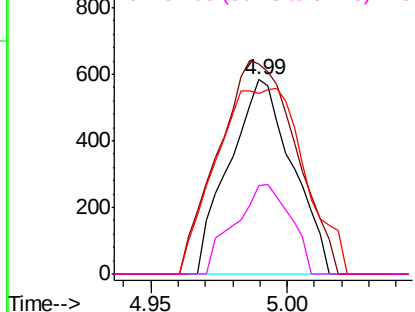
#23

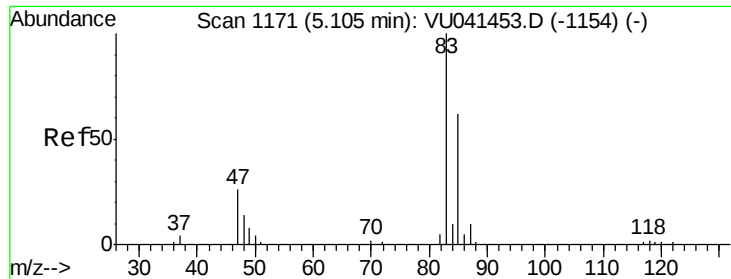
Bromochloromethane
 Concen: 0.470 ug/L
 RT: 4.99 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VU041451.D
 Acq: 03 Dec 2020 15:52

Tgt Ion: 128 Resp: 934
 Ion Ratio Lower Upper
 128 100
 49 108.2 94.7 175.9
 130 93.0 85.9 159.5
 51 45.3 33.9 50.9



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

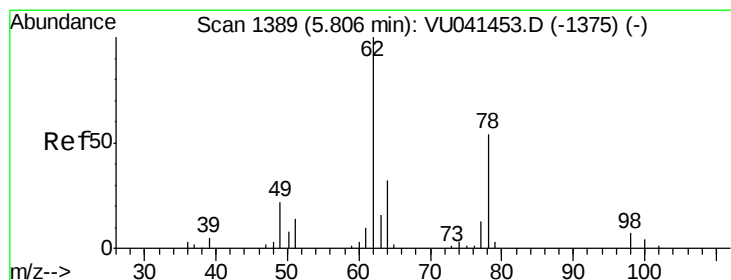
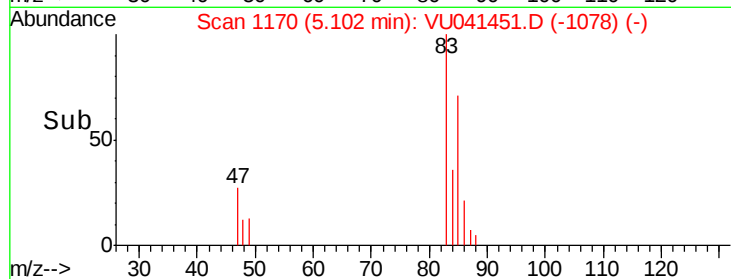
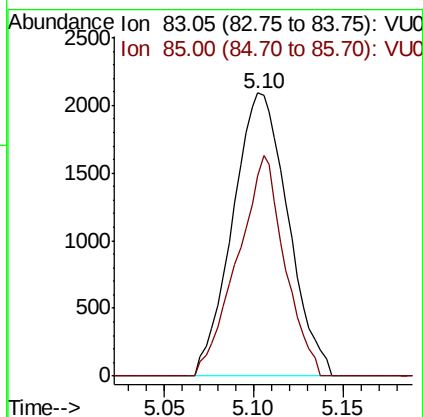
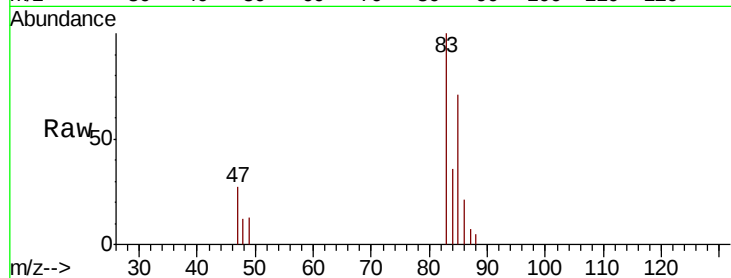




#25
Chloroform
Concen: 0.484 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041451.D
Acq: 03 Dec 2020 15:52

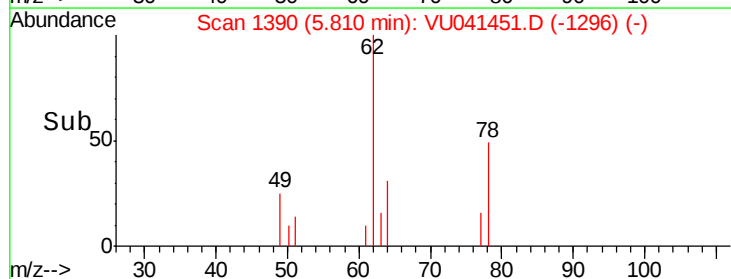
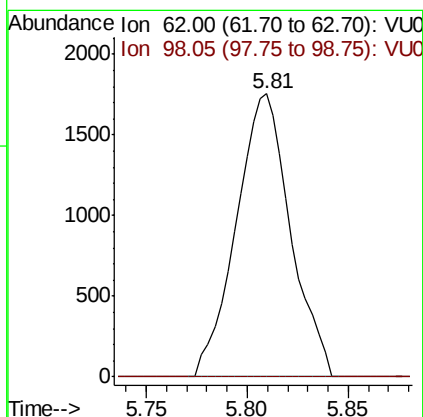
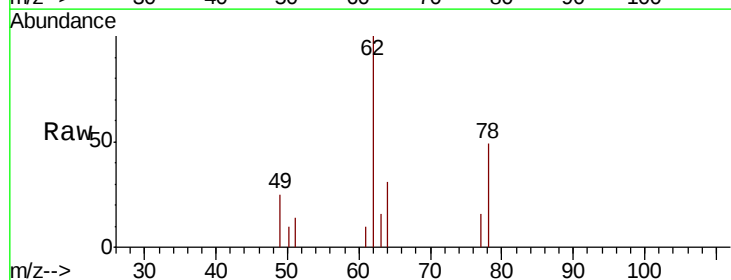
Instrument :
MSVOA_Y
ClientSampleId :
VSTD0.505

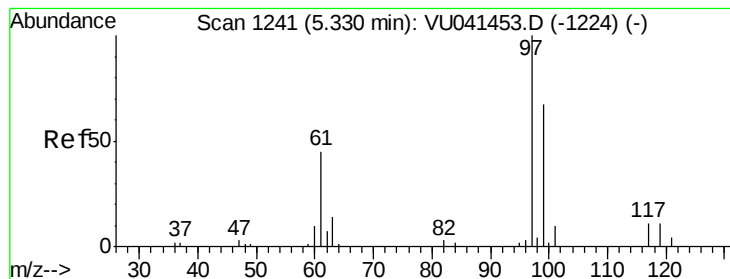
Tot Ion: 83 Resp: 4523
Ion Ratio Lower Upper
83 100
85 70.9 43.7 81.1



#27
1,2-Dichloroethane
Concen: 0.529 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041451.D
Acq: 03 Dec 2020 15:52

Tgt Ion: 62 Resp: 3289
Ion Ratio Lower Upper
62 100
98 0.0 5.6 8.4#





#29

1,1,1-Trichloroethane

Concen: 0.520 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

Instrument :

MSVOA_Y

ClientSampled :

VSTD0.505

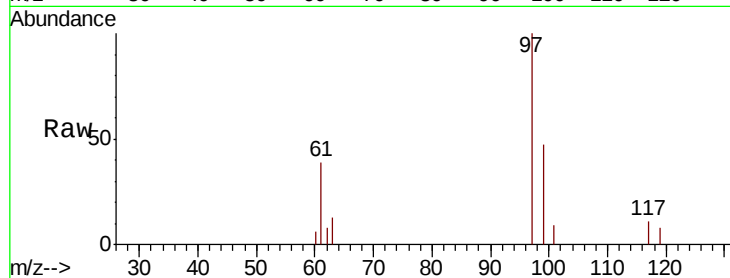
Tot Ion: 97 Resp: 4309

Ion Ratio Lower Upper

97 100

99 29.5 51.0 76.6#

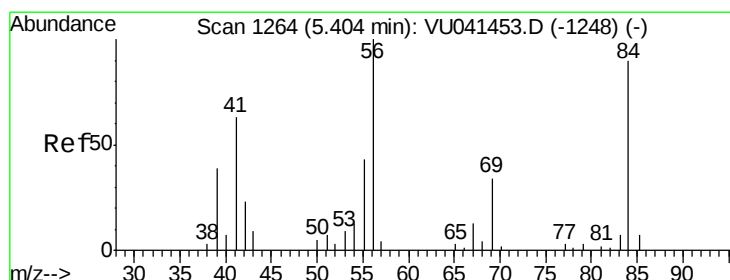
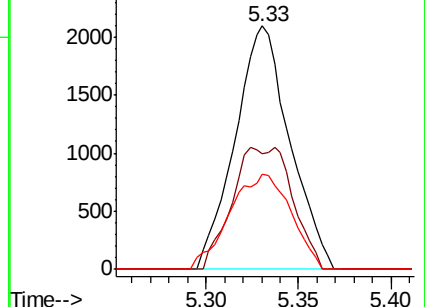
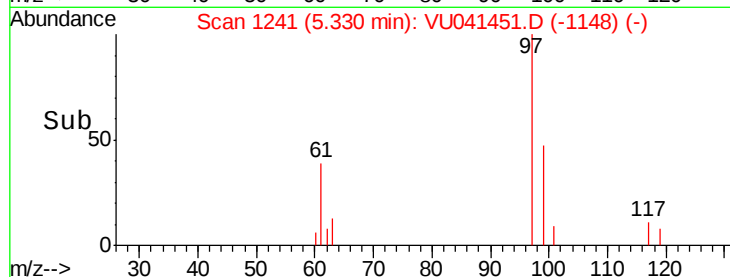
61 43.7 34.7 52.1



Abundance Ion 96.95 (96.65 to 97.65): VU041451.D (-1148) (-)

Ion 99.05 (98.75 to 99.75): VU041451.D (-1148) (-)

Ion 61.05 (60.75 to 61.75): VU041451.D (-1148) (-)



#30

Cyclohexane

Concen: 0.344 ug/L

RT: 5.40 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

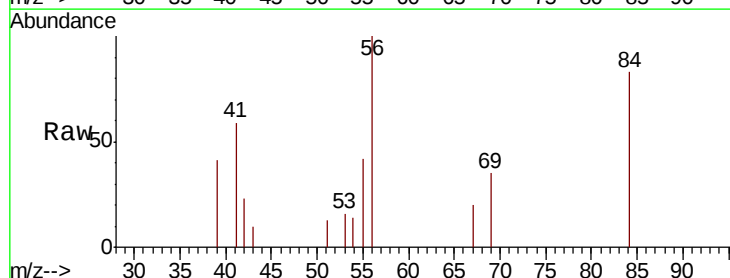
Tgt Ion: 56 Resp: 2257

Ion Ratio Lower Upper

56 100

69 26.5 26.6 39.8#

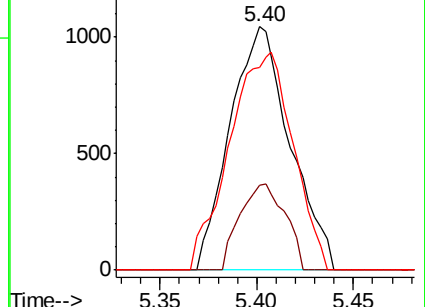
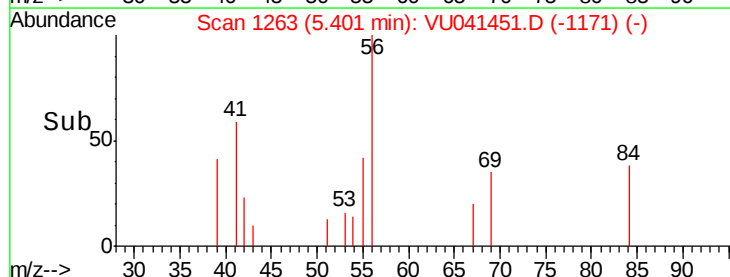
84 94.7 76.7 115.1

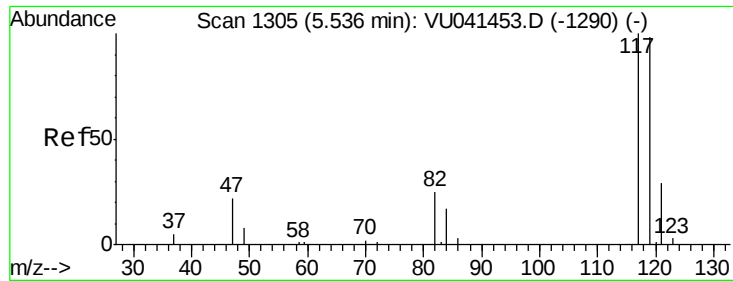


Abundance Ion 56.10 (55.80 to 56.80): VU041451.D (-1171) (-)

Ion 69.15 (68.85 to 69.85): VU041451.D (-1171) (-)

Ion 84.15 (83.85 to 84.85): VU041451.D (-1171) (-)





#31

Carbon tetrachloride

Concen: 0.489 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

Instrument :

MSVOA_Y

ClientSampleId :

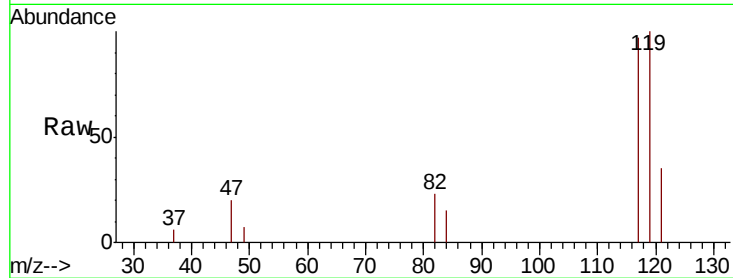
VSTD0.505

Tot Ion:117 Resp: 3677

Ion Ratio Lower Upper

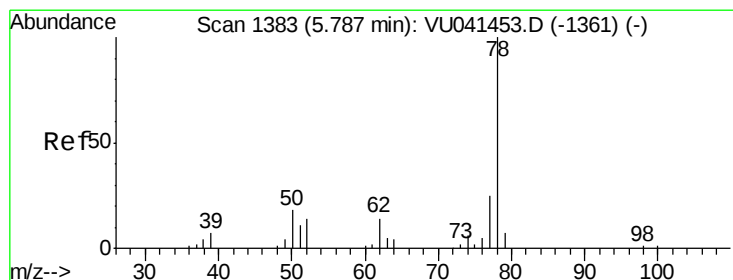
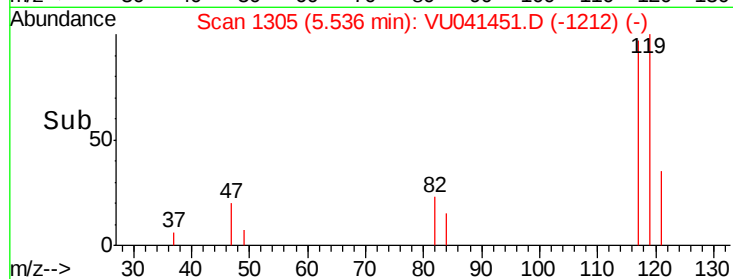
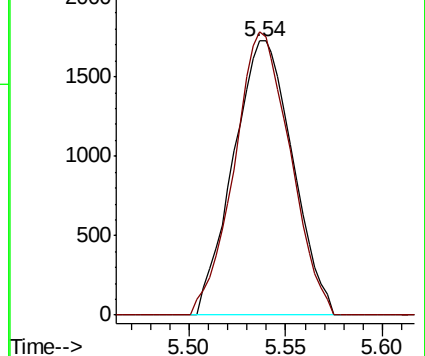
117 100

119 97.4 77.0 115.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.423 ug/L

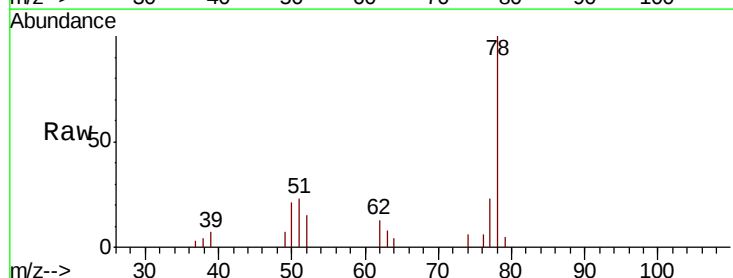
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU041451.D

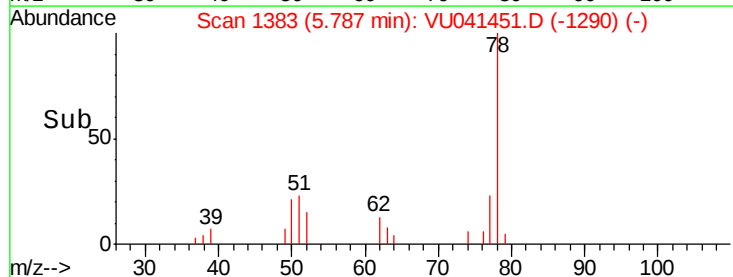
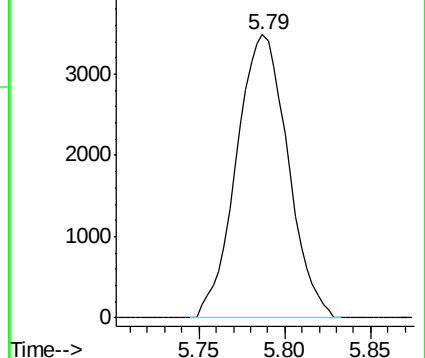
Acq: 03 Dec 2020 15:52

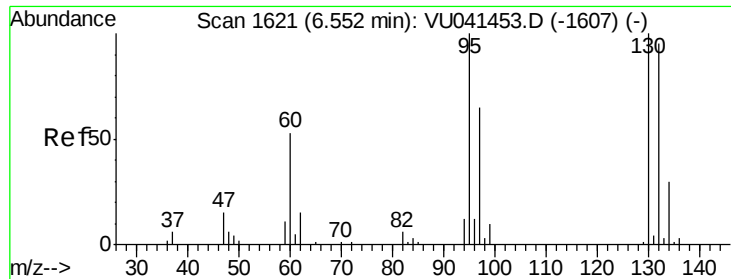
Tgt Ion: 78 Resp: 7263



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 78.10 (77.80 to 78.80): VU0

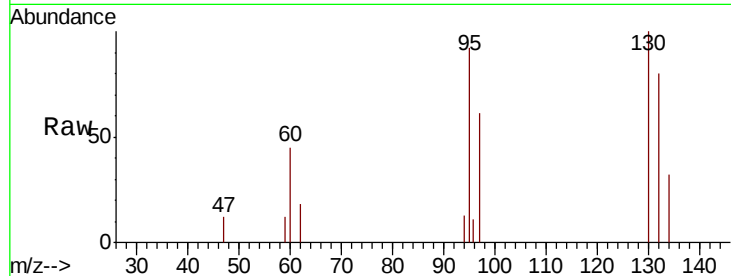




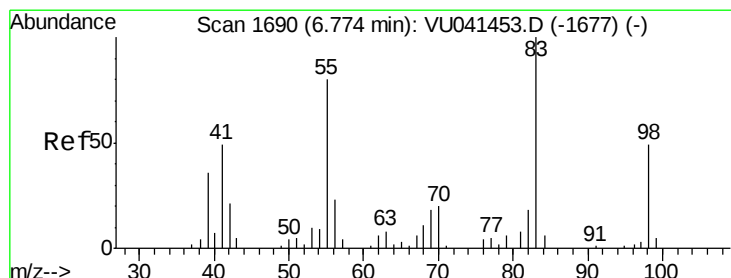
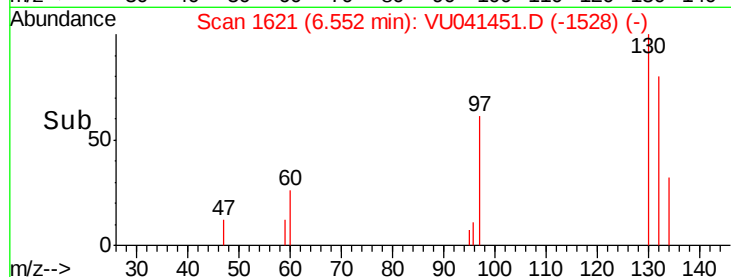
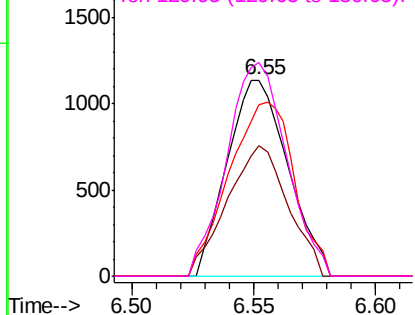
#34
 Trichloroethene
 Concen: 0.418 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041451.D
 Acq: 03 Dec 2020 15:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD0.505

Tot Ion: 95 Resp: 1968
 Ion Ratio Lower Upper
 95 100
 97 66.9 45.8 85.0
 132 87.3 66.5 123.5
 130 109.1 70.3 130.5

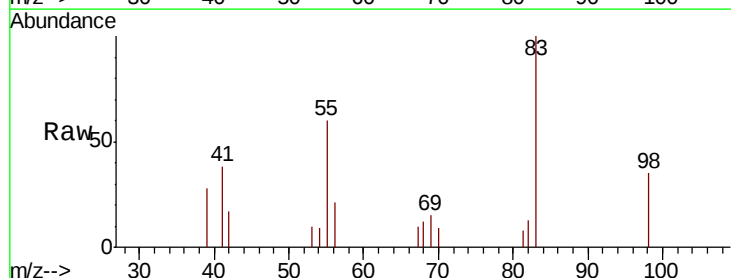


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

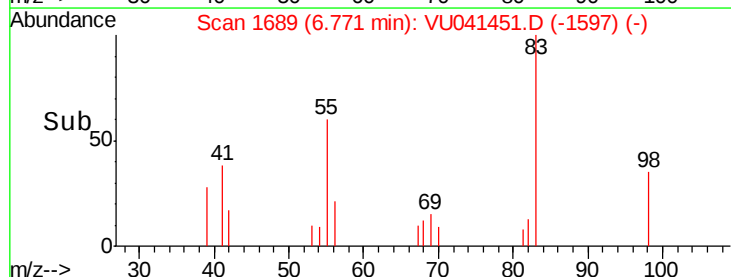
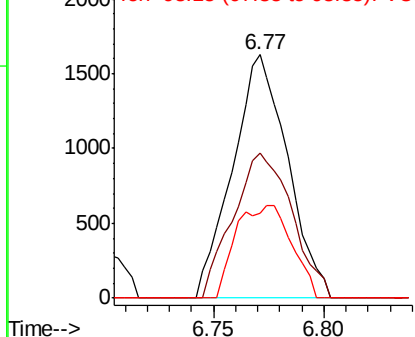


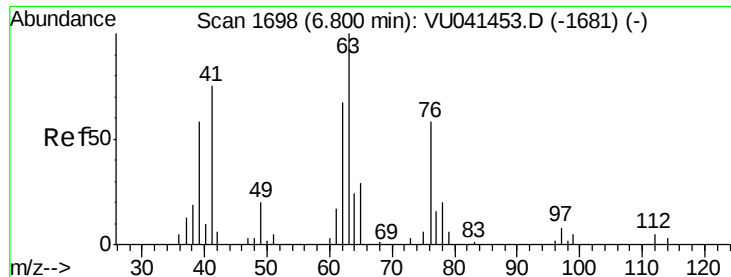
#35
 Methylcyclohexane
 Concen: 0.417 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU041451.D
 Acq: 03 Dec 2020 15:52

Tgt Ion: 83 Resp: 2809
 Ion Ratio Lower Upper
 83 100
 55 63.9 62.2 93.2
 98 38.5 38.2 57.4



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

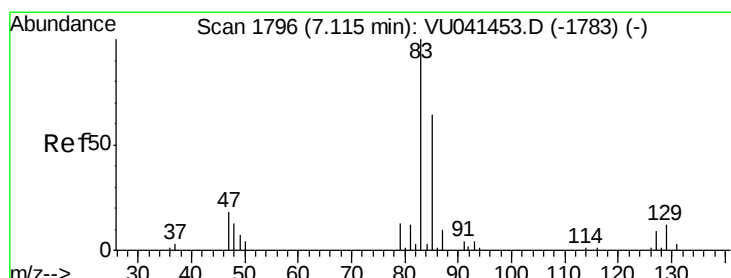
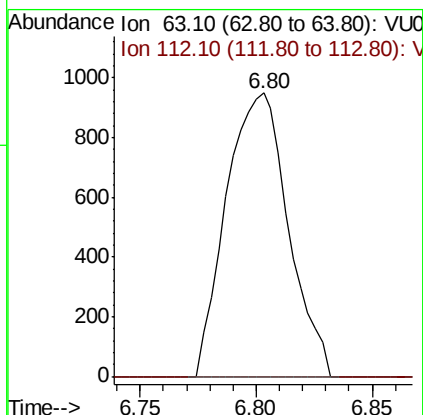
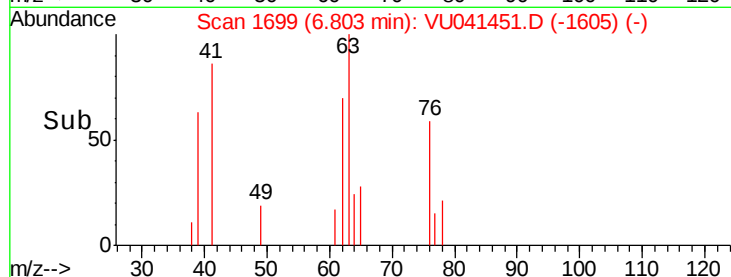
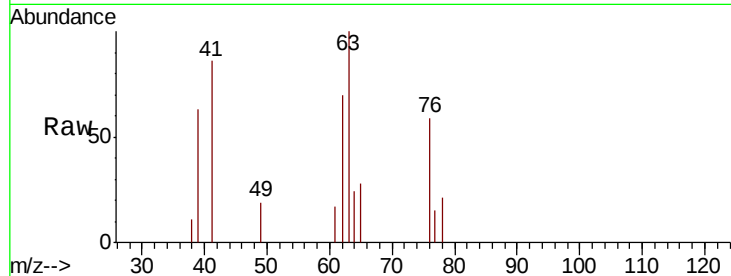




#37
 1,2-Dichloropropane
 Concen: 0.383 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041451.D
 Acq: 03 Dec 2020 15:52

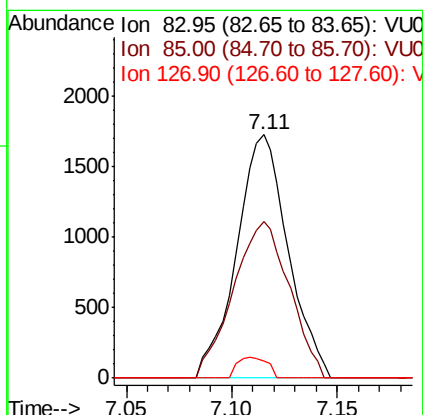
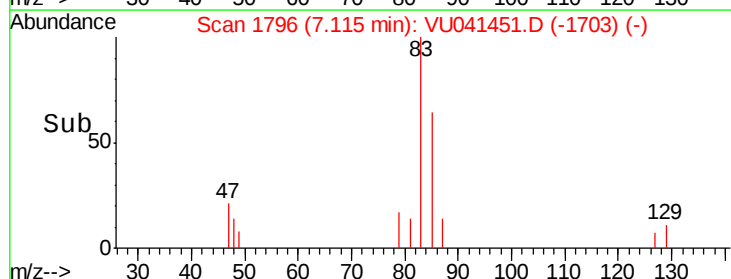
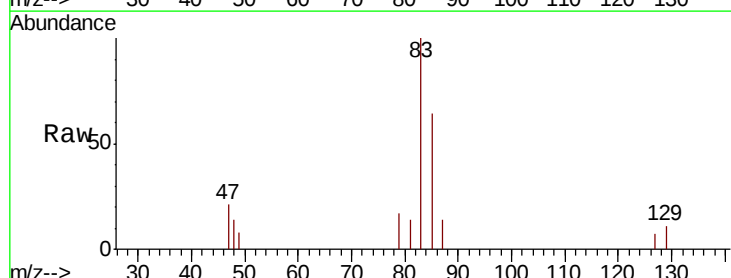
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD0.505

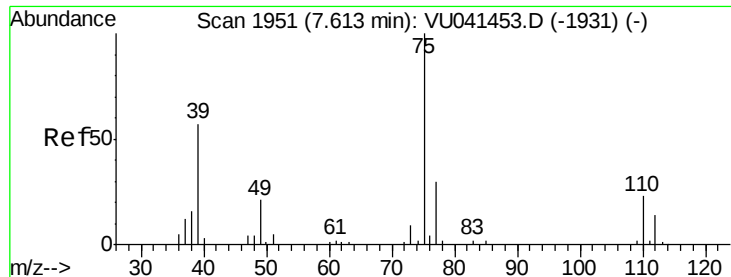
Tot Ion: 63 Resp: 1762
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 0.449 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041451.D
 Acq: 03 Dec 2020 15:52

Tgt Ion: 83 Resp: 2928
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.8 83.2
 127 7.0 7.0 10.4



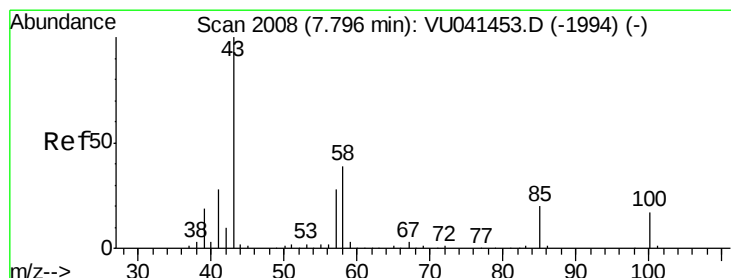
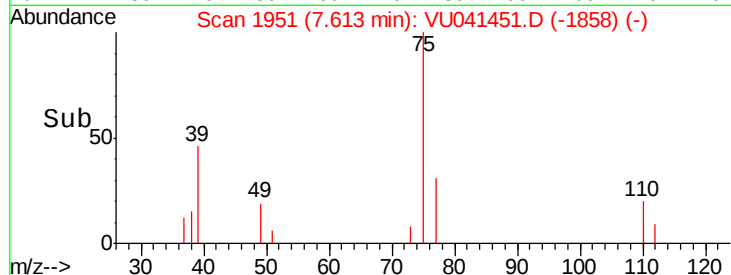
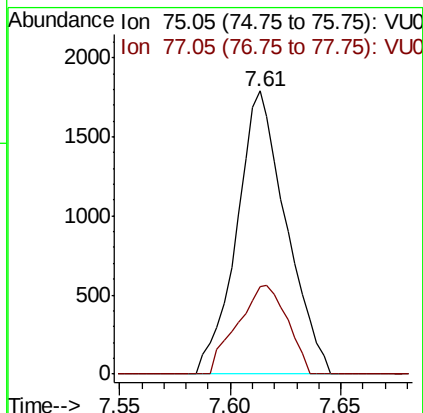
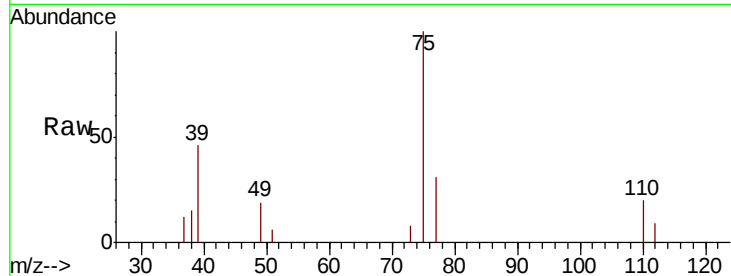


#39

cis-1,3-Dichloropropene
 Concen: 0.426 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041451.D
 Acq: 03 Dec 2020 15:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD0.505

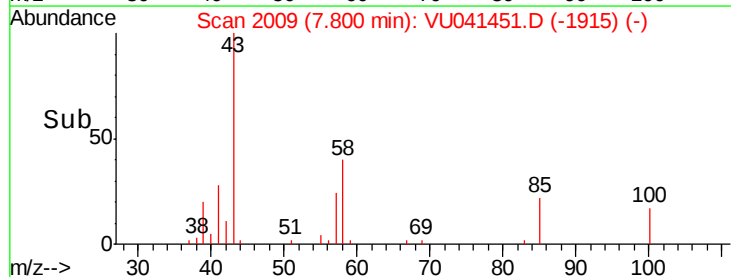
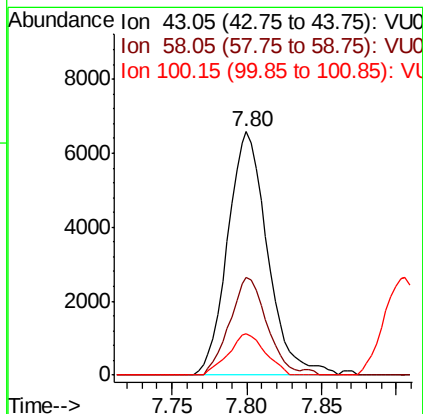
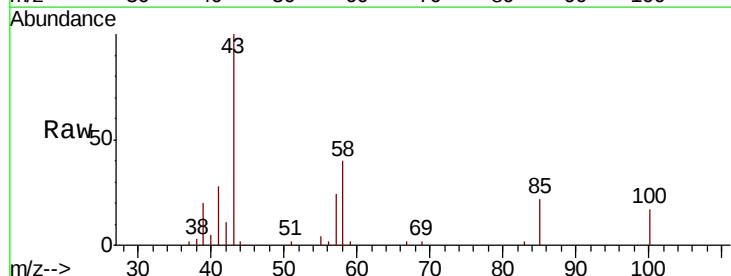
Tot Ion: 75 Resp: 2787
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.0 39.0

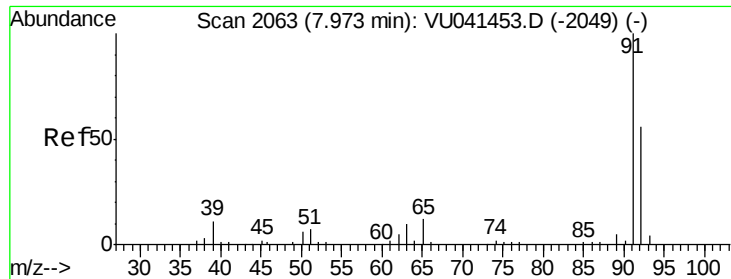


#40

4-Methyl-2-pentanone
 Concen: 4.230 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041451.D
 Acq: 03 Dec 2020 15:52

Tgt Ion: 43 Resp: 12213
 Ion Ratio Lower Upper
 43 100
 58 37.8 31.1 46.7
 100 15.7 13.7 20.5





#42

Toluene

Concen: 0.408 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

Instrument :

MSVOA_Y

ClientSampleId :

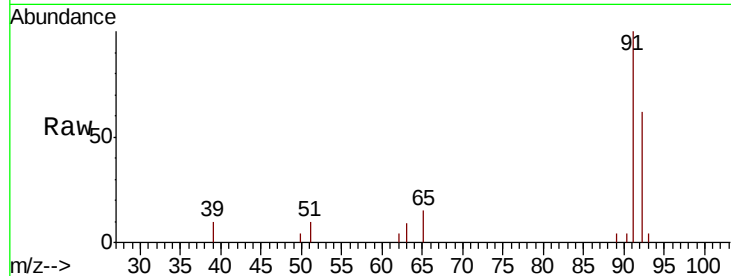
VSTD0.505

Tot Ion: 91 Resp: 7479

Ion Ratio Lower Upper

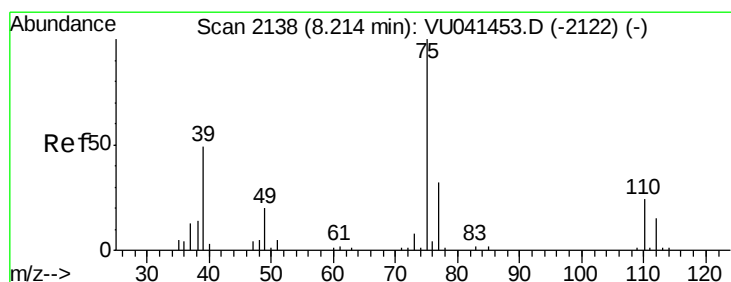
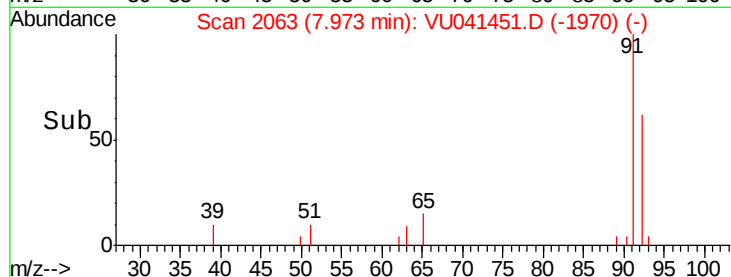
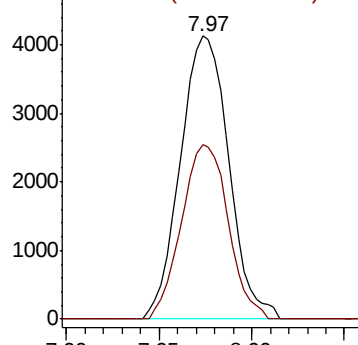
91 100

92 61.6 39.5 73.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.458 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041451.D

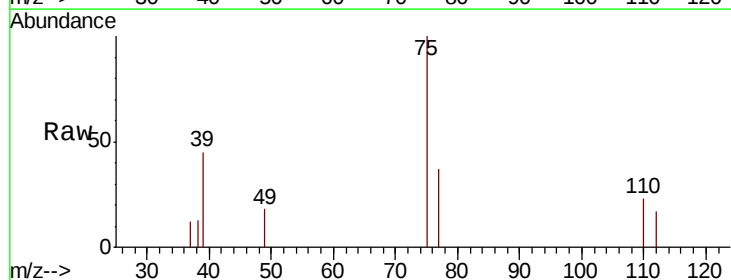
Acq: 03 Dec 2020 15:52

Tgt Ion: 75 Resp: 2772

Ion Ratio Lower Upper

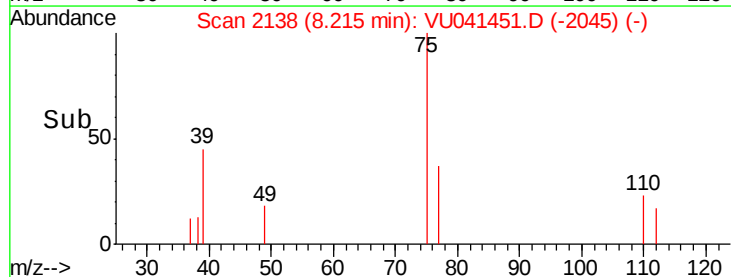
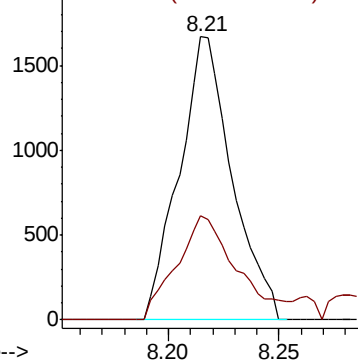
75 100

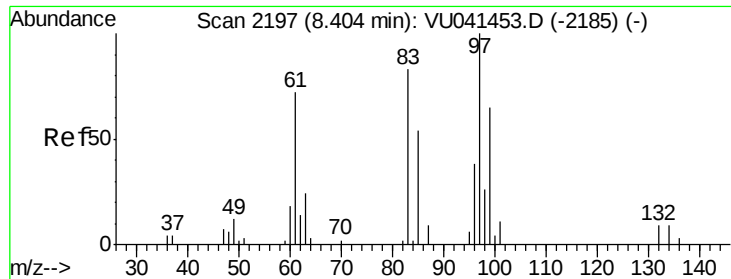
77 36.6 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

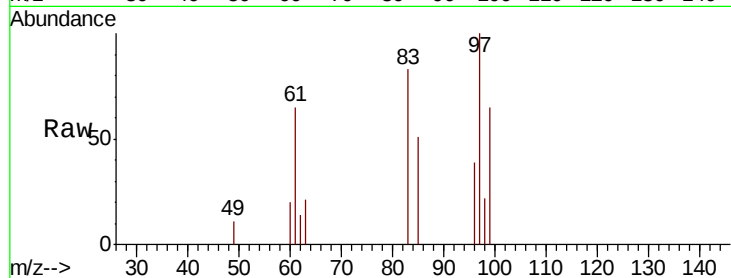




#45
 1,1,2-Trichloroethane
 Concen: 0.481 ug/L
 RT: 8.40 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VU041451.D
 Acq: 03 Dec 2020 15:52

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD0.505

Tot Ion:	97	Resp:	1581
Ion	Ratio	Lower	Upper
97	100		
99	65.1	45.2	84.0
83	82.7	57.8	107.4
85	51.3	37.8	70.2



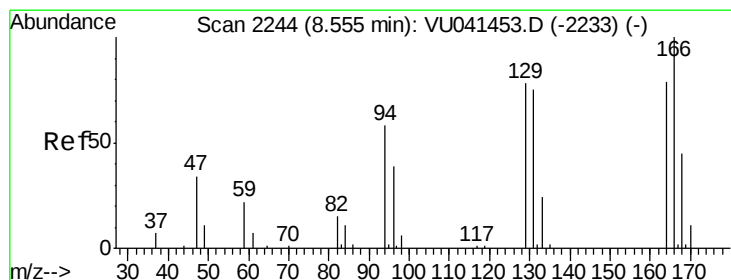
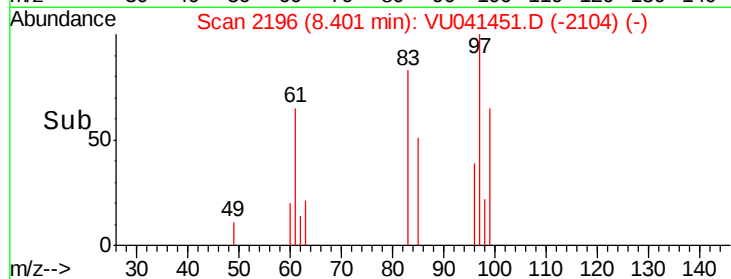
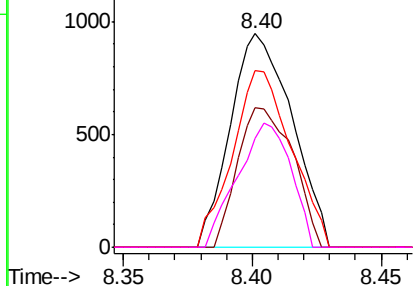
Abundance

Ion 96.95 (96.65 to 97.65): VU041451.D (-2197) (-)

Ion 99.05 (98.75 to 99.75): VU041451.D (-2197) (-)

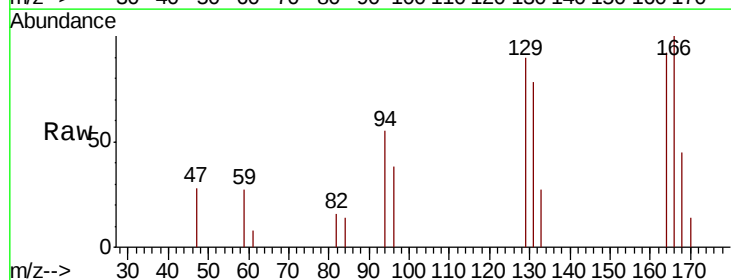
Ion 82.95 (82.65 to 83.65): VU041451.D (-2197) (-)

Ion 85.00 (84.70 to 85.70): VU041451.D (-2197) (-)



#47
 Tetrachloroethene
 Concen: 0.492 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU041451.D
 Acq: 03 Dec 2020 15:52

Tgt Ion:	164	Resp:	1747
Ion	Ratio	Lower	Upper
164	100		
129	98.3	69.4	128.8
131	84.6	66.5	123.5
166	108.9	89.2	165.6



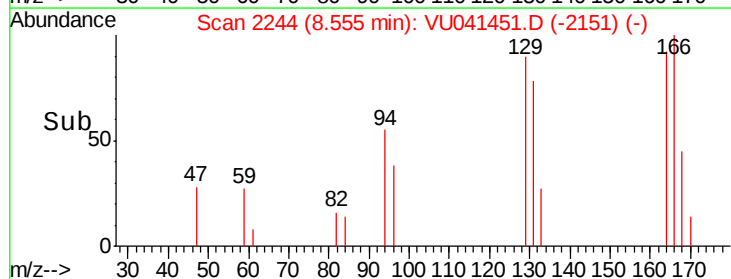
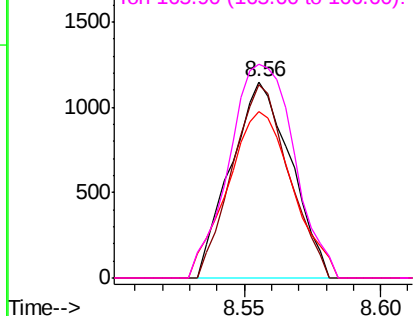
Abundance

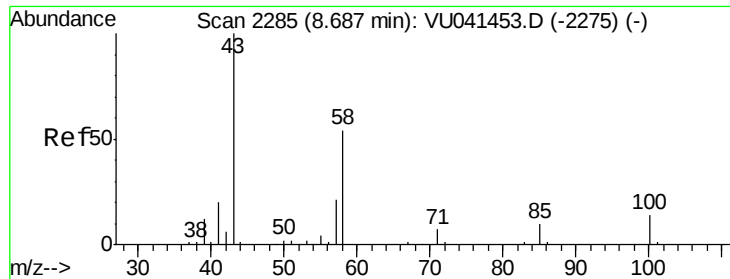
Ion 163.90 (163.60 to 164.60): VU041451.D (-2244) (-)

Ion 128.95 (128.65 to 129.65): VU041451.D (-2244) (-)

Ion 130.95 (130.65 to 131.65): VU041451.D (-2244) (-)

Ion 165.90 (165.60 to 166.60): VU041451.D (-2244) (-)

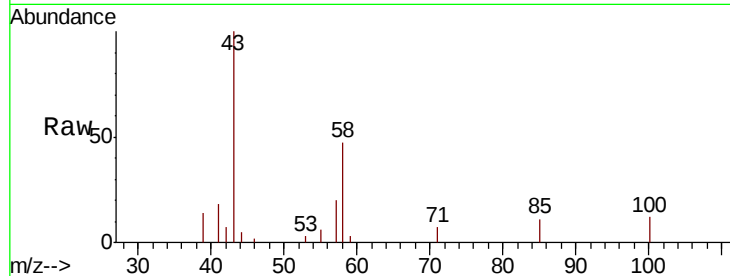




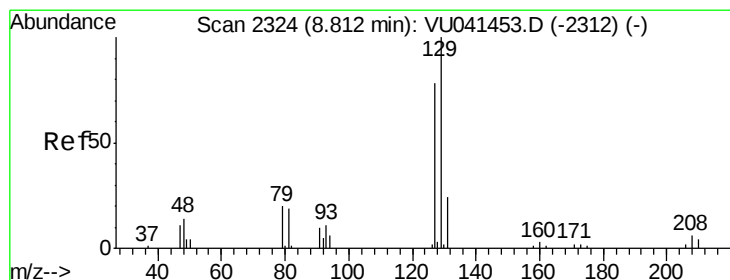
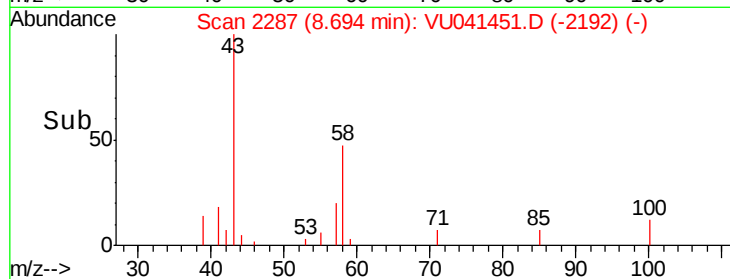
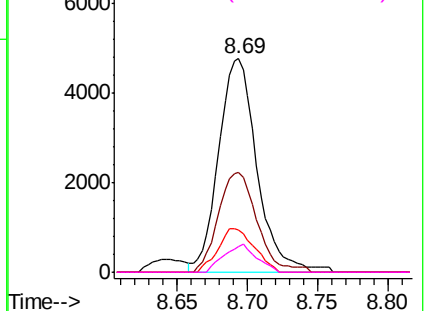
#48
2-Hexanone
Concen: 4.253 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.01 min
Lab File: VU041451.D
Acq: 03 Dec 2020 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTD0.505

Tot Ion: 43 Resp: 9055
Ion Ratio Lower Upper
43 100
58 47.1 42.9 64.3
57 19.2 17.2 25.8
100 11.2 10.6 15.8

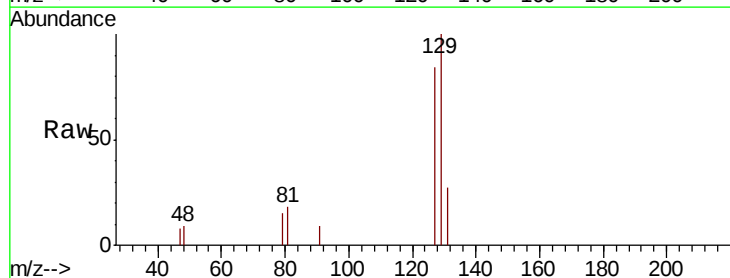


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

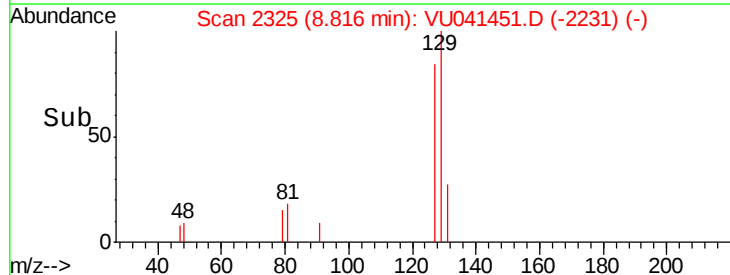
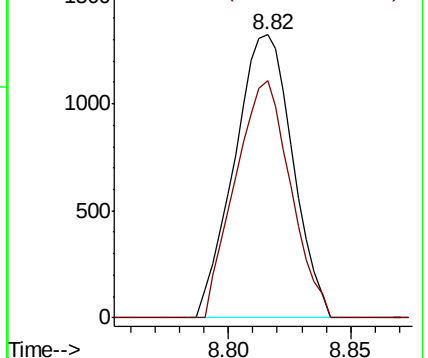


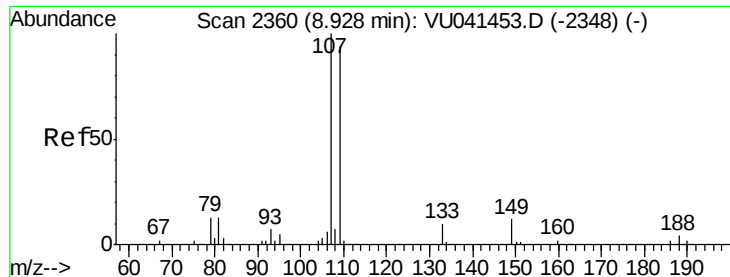
#49
Dibromochloromethane
Concen: 0.508 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041451.D
Acq: 03 Dec 2020 15:52

Tgt Ion: 129 Resp: 2188
Ion Ratio Lower Upper
129 100
127 83.8 54.6 101.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

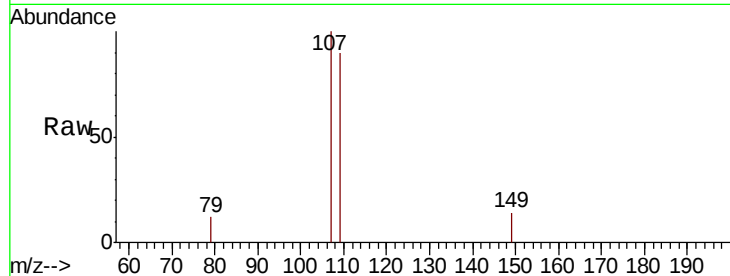




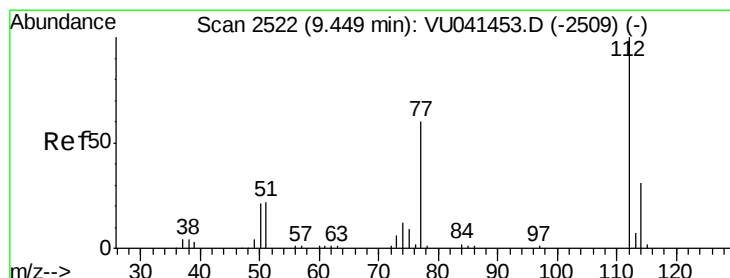
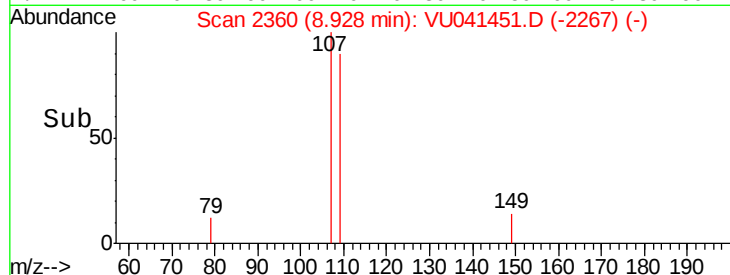
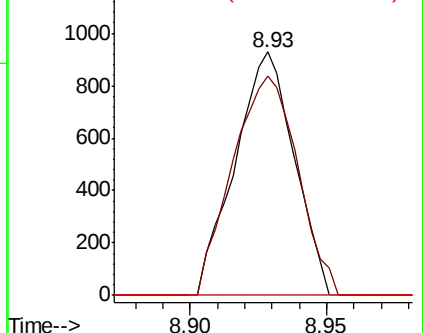
#50
 1,2-Dibromoethane
 Concen: 0.439 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041451.D
 Acq: 03 Dec 2020 15:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD0.505

Tot Ion:107 Resp: 1394
 Ion Ratio Lower Upper
 107 100
 109 90.1 66.0 122.6
 188 0.0 3.1 4.7#

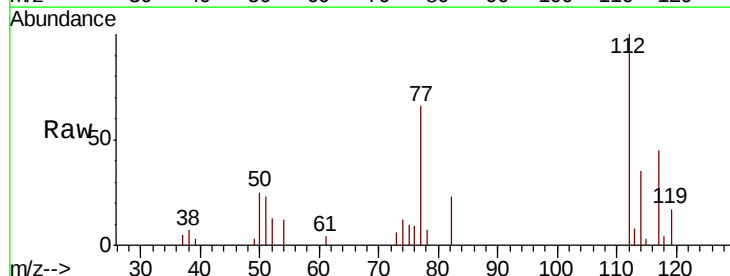


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

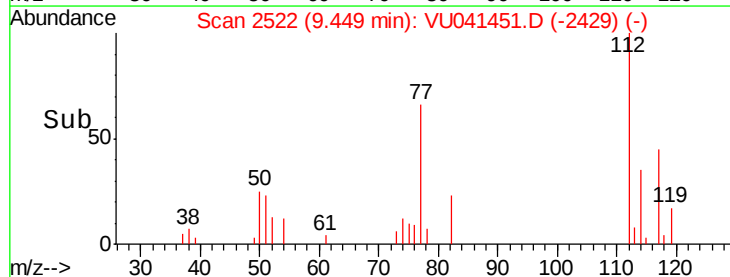
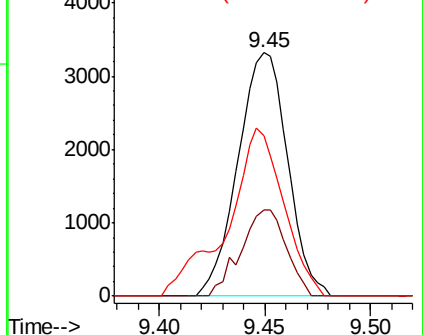


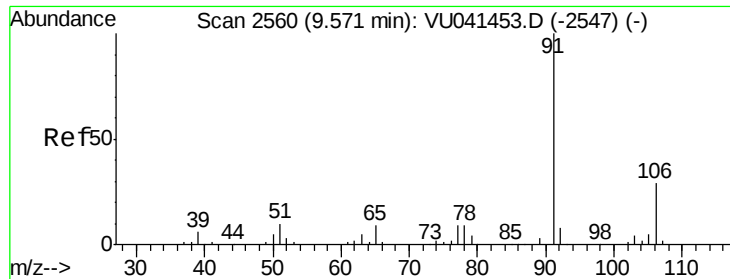
#51
 Chlorobenzene
 Concen: 0.453 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041451.D
 Acq: 03 Dec 2020 15:52

Tgt Ion:112 Resp: 5435
 Ion Ratio Lower Upper
 112 100
 114 35.3 22.0 41.0
 77 65.8 48.8 73.2



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.400 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

Instrument :

MSVOA_Y

ClientSampled :

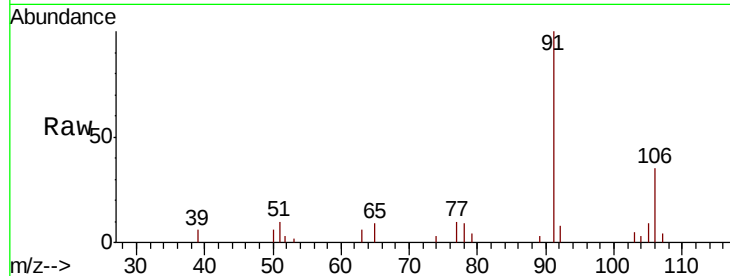
VSTD0.505

Tot Ion: 91 Resp: 7921

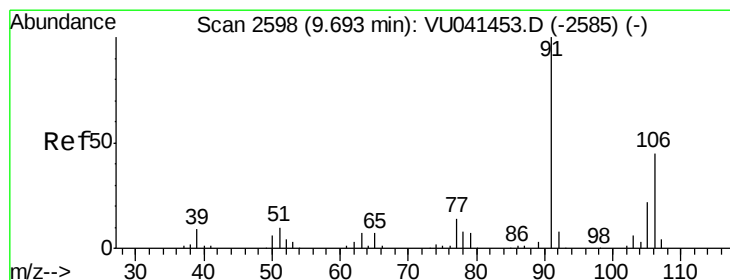
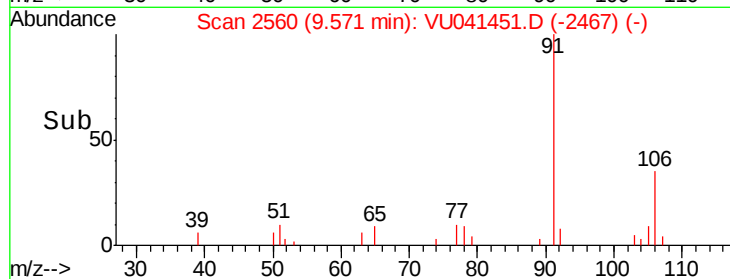
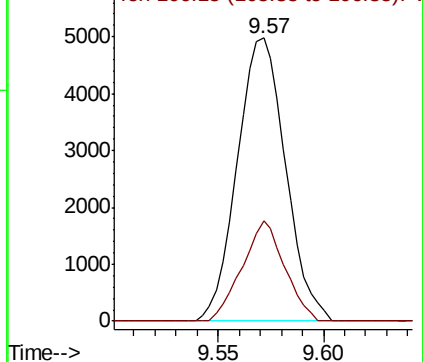
Ion Ratio Lower Upper

91 100

106 35.3 20.2 37.4



Abundance Ion 91.15 (90.85 to 91.85): VU041451.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.419 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU041451.D

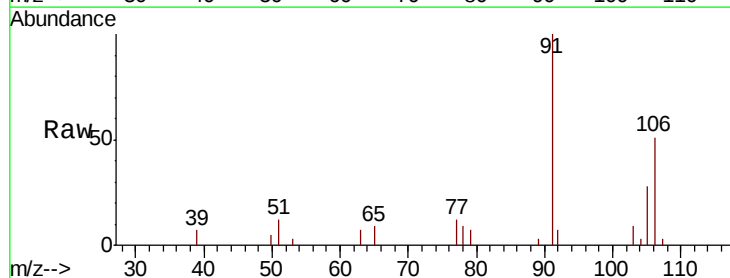
Acq: 03 Dec 2020 15:52

Tgt Ion: 106 Resp: 3030

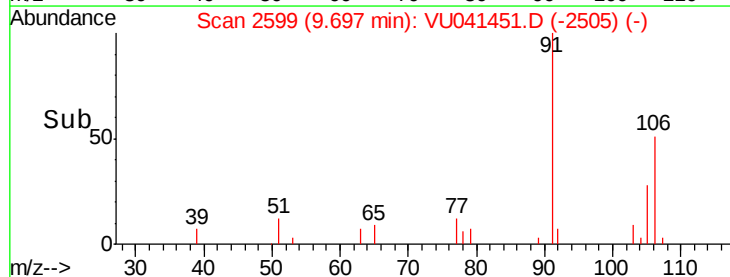
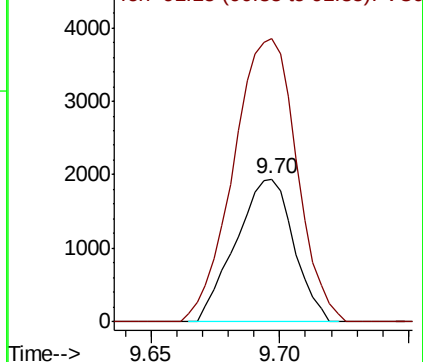
Ion Ratio Lower Upper

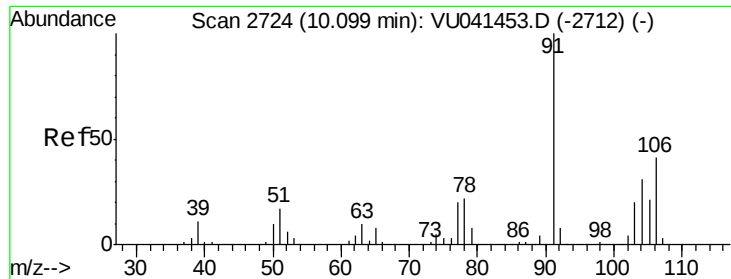
106 100

91 197.7 155.8 289.4



Abundance Ion 106.15 (105.85 to 106.85): VU041451.D (-2598) (-)

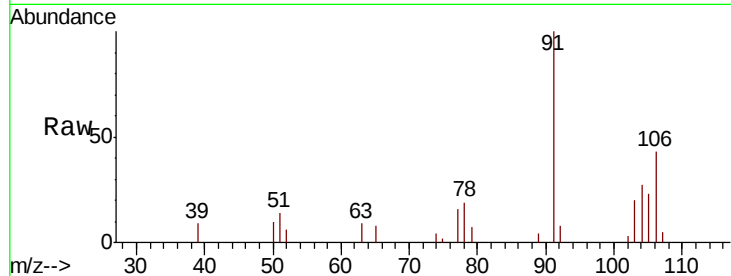




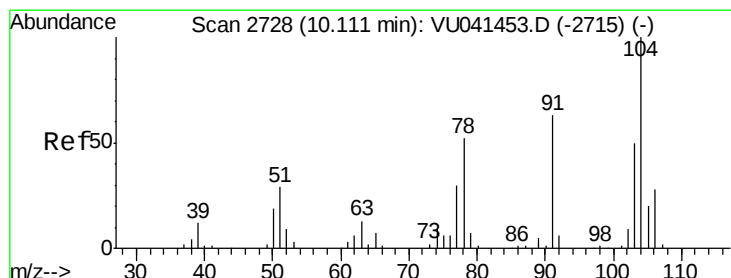
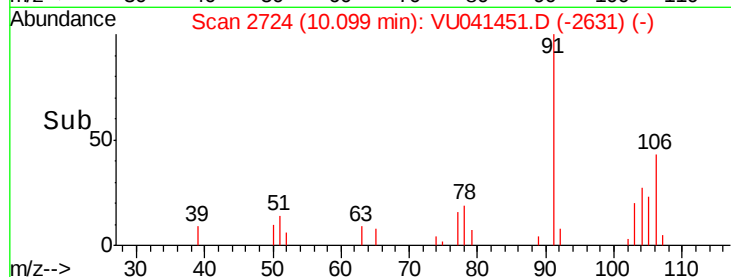
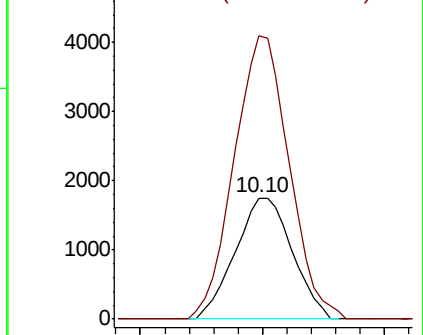
#54
o-Xylene
Concen: 0.405 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041451.D
Acq: 03 Dec 2020 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTD0.505

Tot Ion:106 Resp: 2826
Ion Ratio Lower Upper
106 100
91 233.2 169.8 315.4

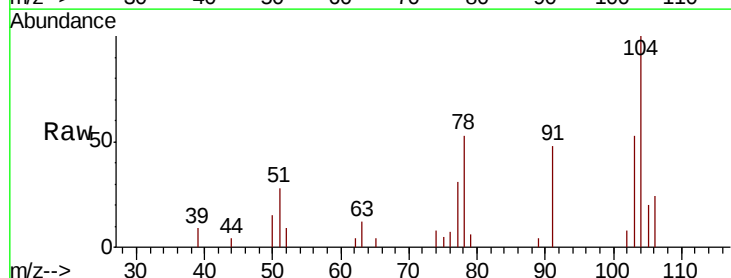


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

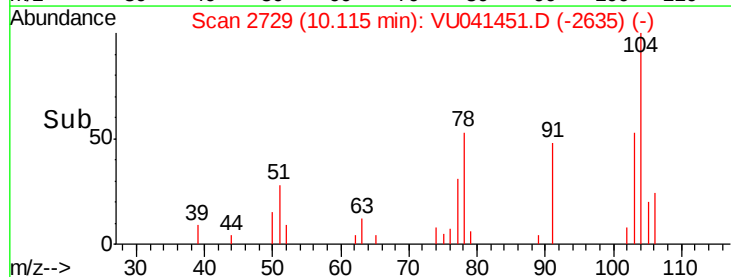
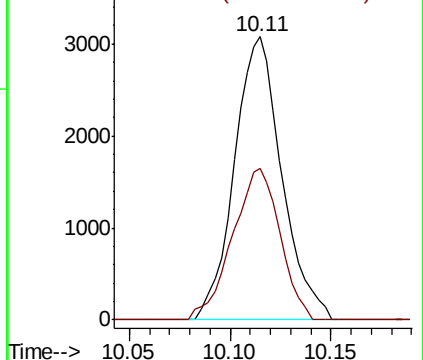


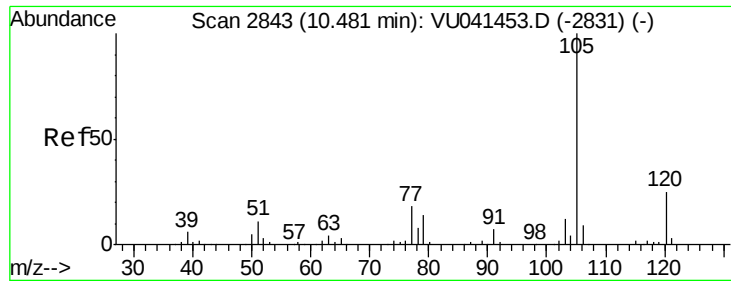
#55
Styrene
Concen: 0.429 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041451.D
Acq: 03 Dec 2020 15:52

Tgt Ion:104 Resp: 5052
Ion Ratio Lower Upper
104 100
78 53.4 36.9 68.5



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.415 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD0.505

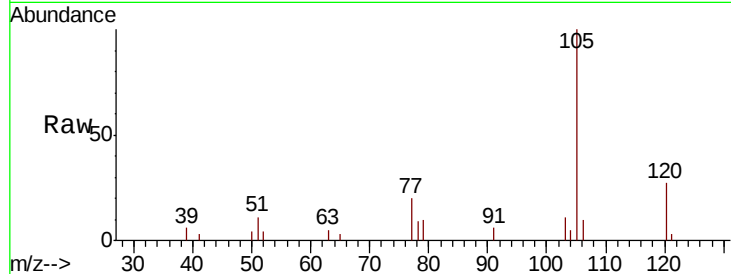
Tot Ion:105 Resp: 7882

Ion Ratio Lower Upper

105 100

120 25.3 20.3 30.5

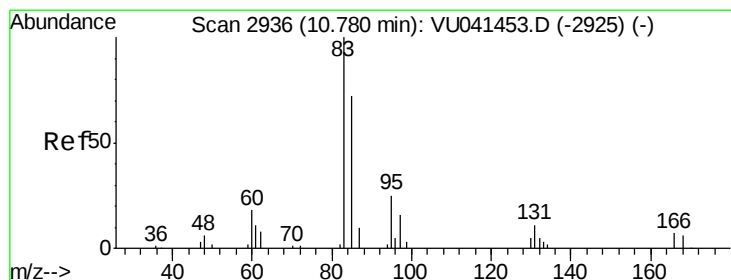
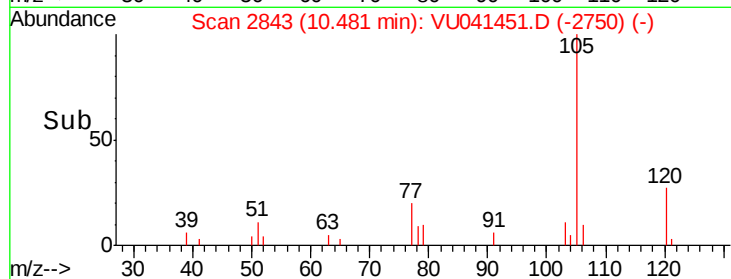
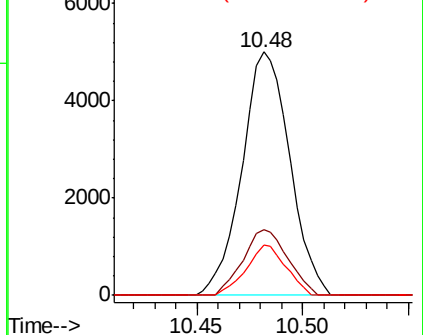
77 17.3 14.2 21.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.454 ug/L

RT: 10.78 min Scan# 2935

Delta R.T. -0.00 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

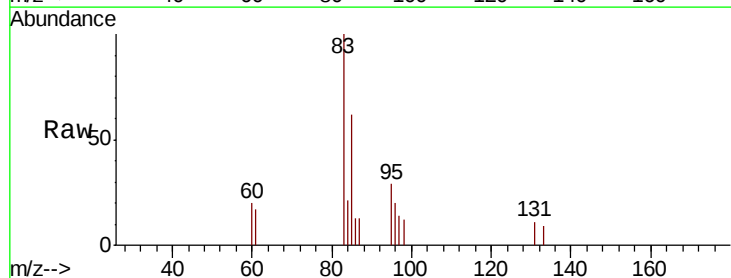
Tgt Ion: 83 Resp: 1824

Ion Ratio Lower Upper

83 100

85 62.2 50.7 94.3

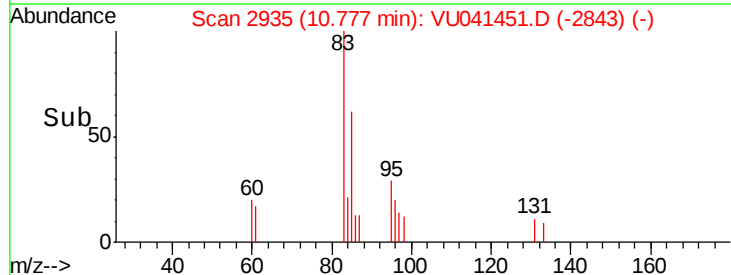
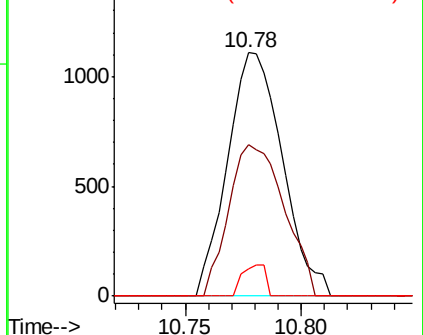
131 11.1 10.3 15.5

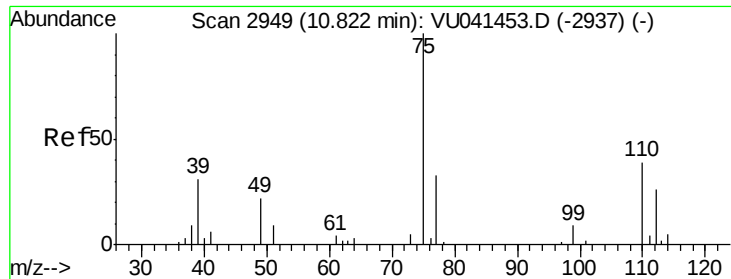


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.469 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

Instrument :

MSVOA_Y

ClientSampled :

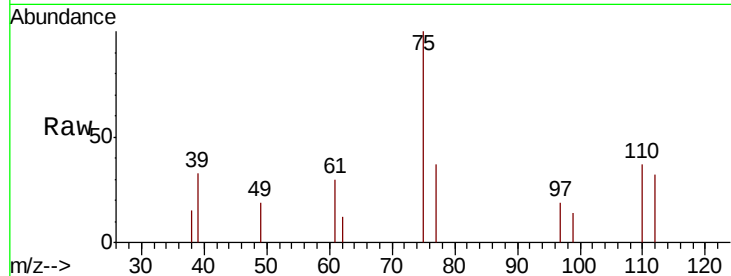
VSTD0.505

Tot Ion: 75 Resp: 1471

Ion Ratio Lower Upper

75 100

77 29.2 27.3 40.9

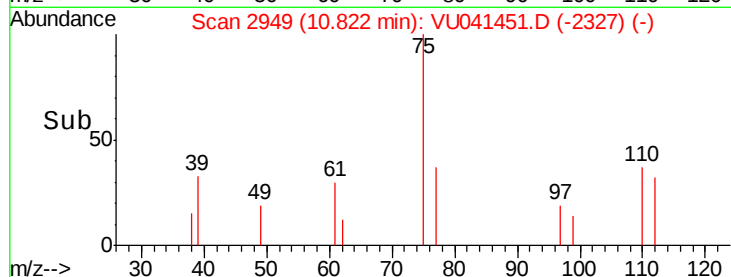


Abundance Ion 75.00 (74.70 to 75.70): VU041451.D (-2937) (-)

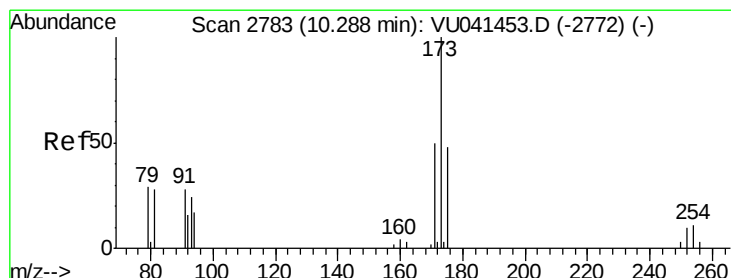
Ion 77.00 (76.70 to 77.70): VU041451.D (-2937) (-)

10.82

10.85



Time-->



#61

Bromoform

Concen: 0.556 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

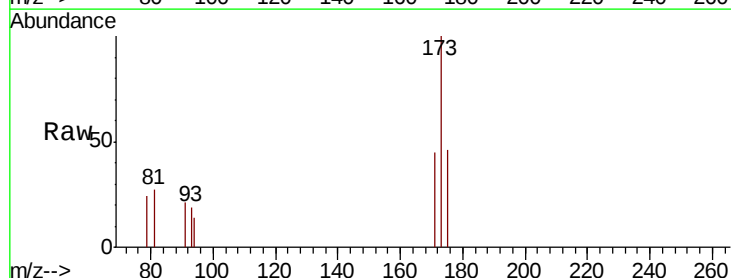
Tgt Ion: 173 Resp: 1442

Ion Ratio Lower Upper

173 100

175 43.3 38.0 57.0

254 0.0 7.7 11.5#



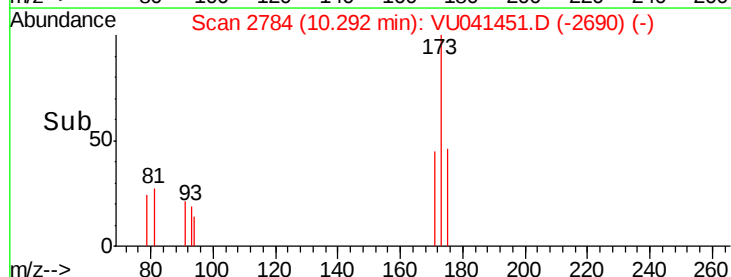
Abundance Ion 172.90 (172.60 to 173.60): VU041451.D (-2690) (-)

Ion 174.90 (174.60 to 175.60): VU041451.D (-2690) (-)

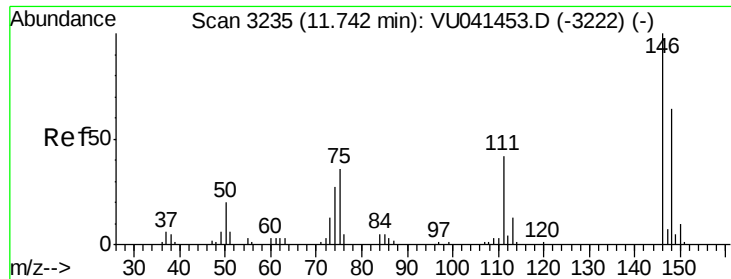
Ion 253.75 (253.45 to 254.45): VU041451.D (-2690) (-)

10.29

10.30



Time-->



#62

1,3-Dichlorobenzene

Concen: 0.444 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD0.505

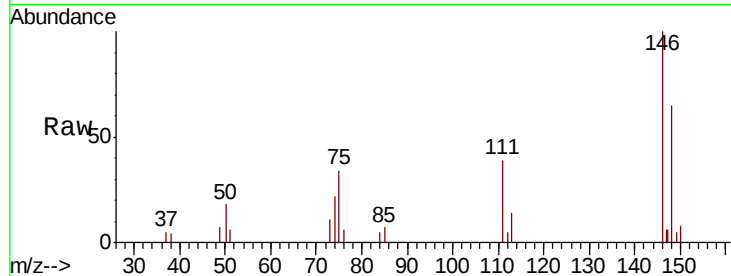
Tot Ion:146 Resp: 4541

Ion Ratio Lower Upper

146 100

111 38.5 29.3 54.3

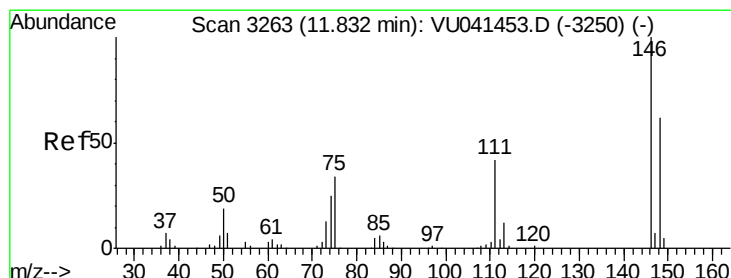
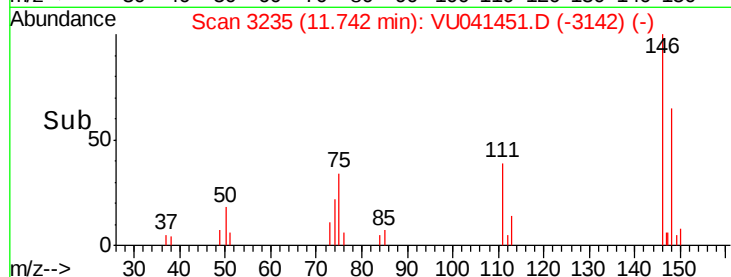
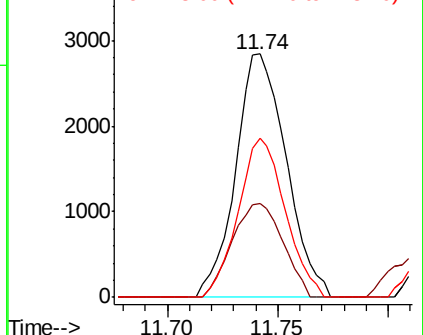
148 65.3 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.437 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

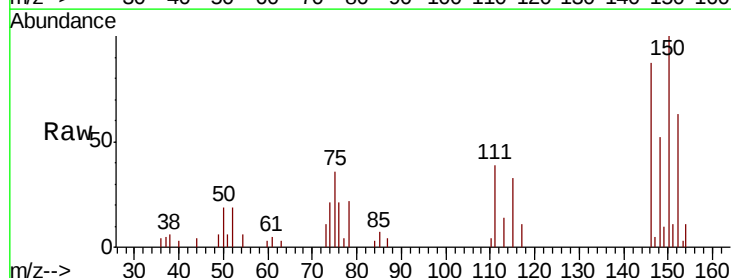
Tgt Ion:146 Resp: 4442

Ion Ratio Lower Upper

146 100

111 44.2 29.8 55.4

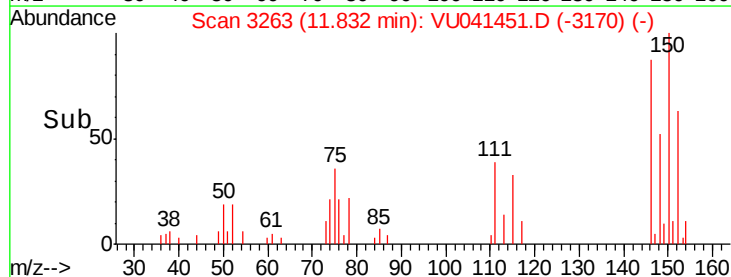
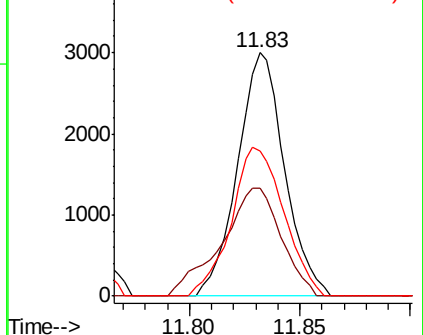
148 59.7 43.1 80.1

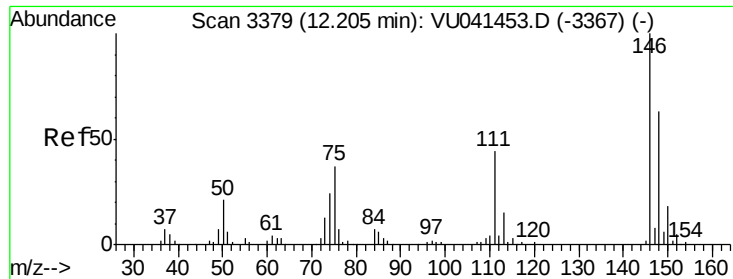


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.456 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD0.505

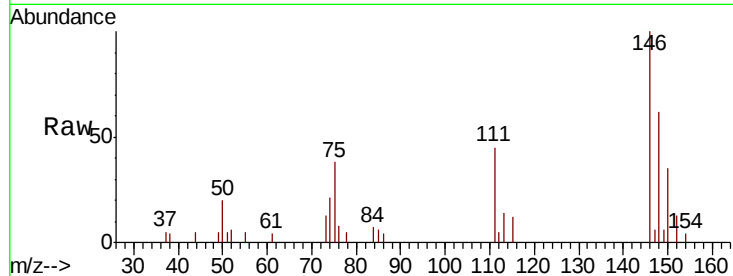
Tot Ion:146 Resp: 4345

Ion Ratio Lower Upper

146 100

111 44.8 35.6 53.4

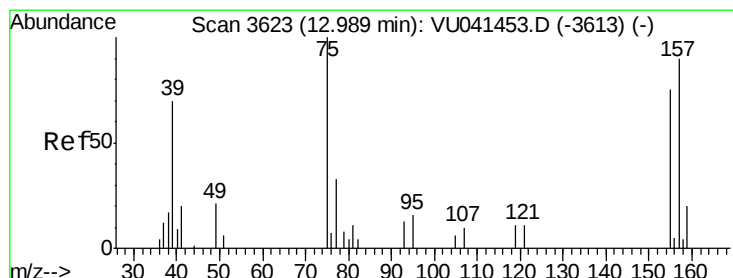
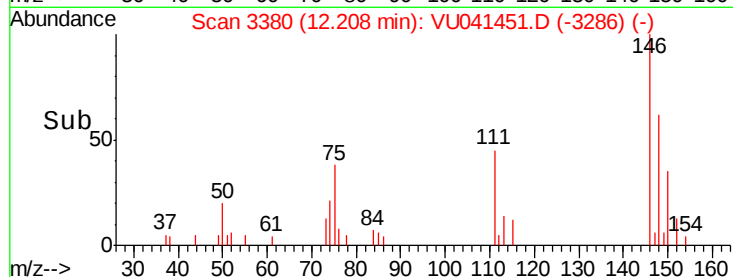
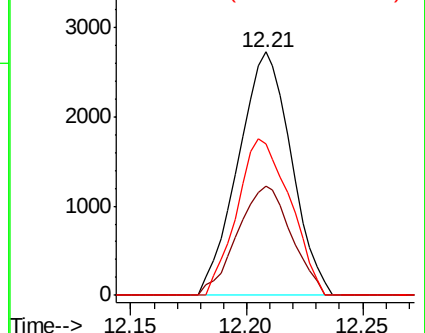
148 62.4 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.447 ug/L

RT: 13.00 min Scan# 3626

Delta R.T. 0.01 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

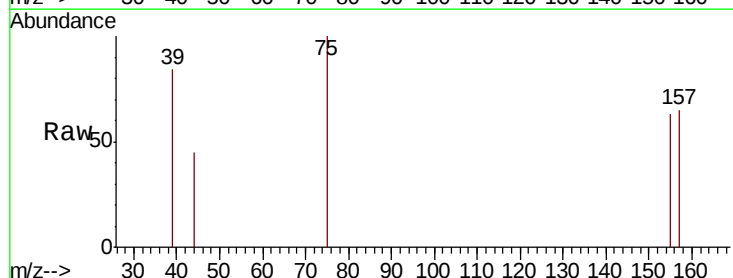
Tgt Ion: 75 Resp: 346

Ion Ratio Lower Upper

75 100

155 62.9 60.0 90.0

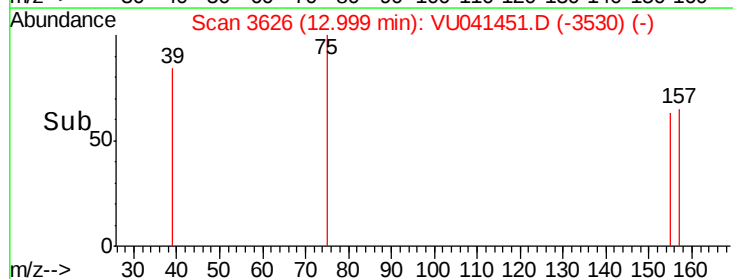
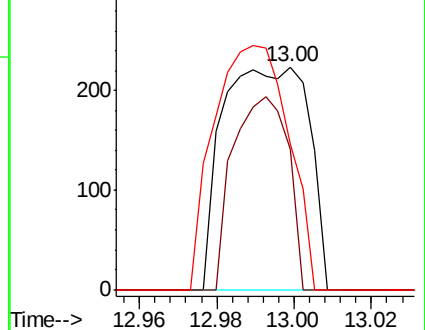
157 65.2 72.3 108.5#

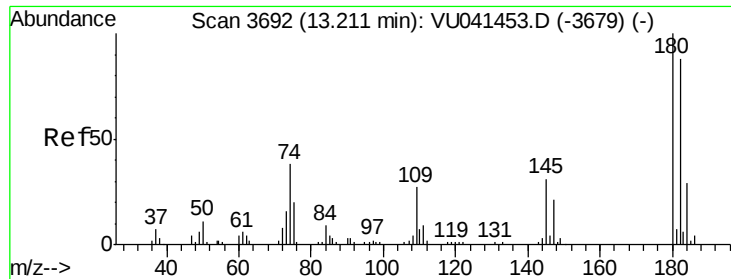


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

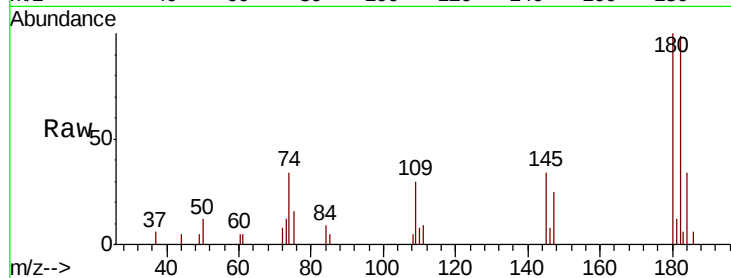




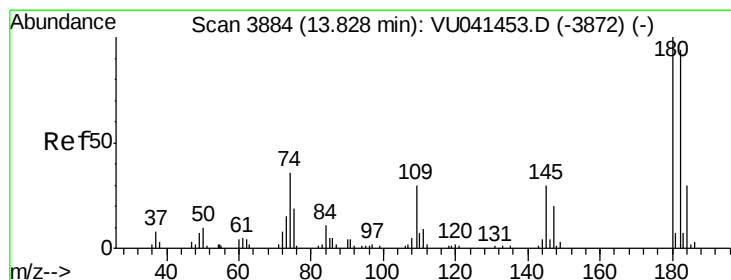
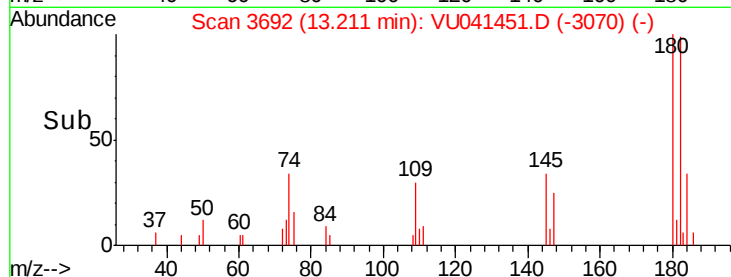
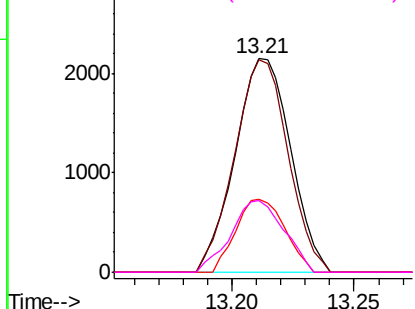
#67
 1,3,5-Trichlorobenzene
 Concen: 0.463 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041451.D
 Acq: 03 Dec 2020 15:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD0.505

Tot Ion:180 Resp: 3391
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.2 114.4
 184 30.2 24.3 36.5
 145 32.1 25.7 38.5

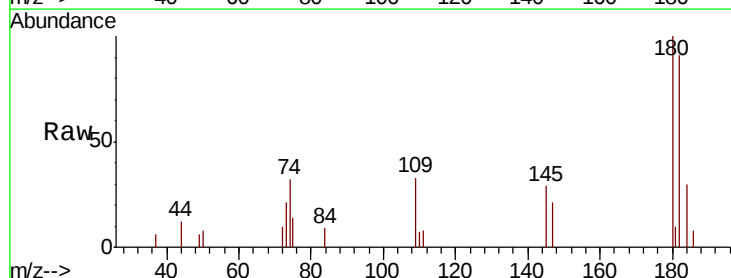


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

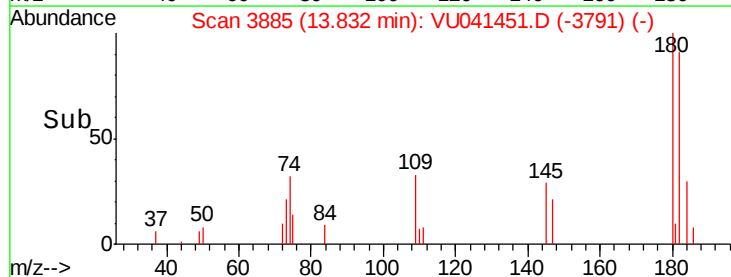
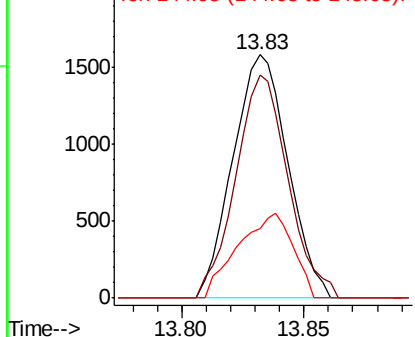


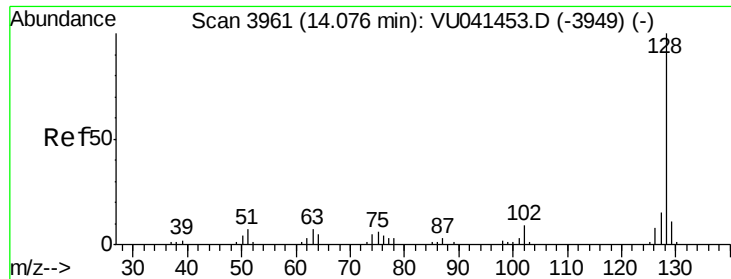
#68
 1,2,4-trichlorobenzene
 Concen: 0.429 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041451.D
 Acq: 03 Dec 2020 15:52

Tgt Ion:180 Resp: 2476
 Ion Ratio Lower Upper
 180 100
 182 87.3 76.1 114.1
 145 35.0 24.9 37.3



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.338 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

Instrument :

MSVOA_Y

ClientSampled :

VSTD0.505

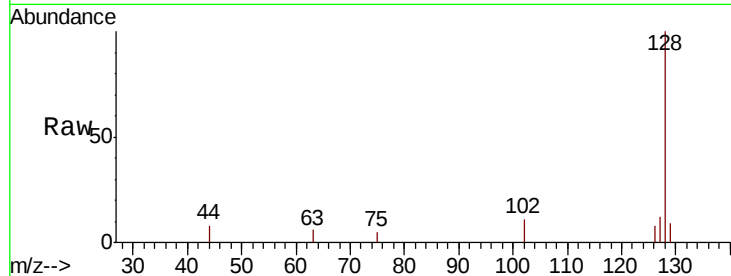
Tot Ion:128 Resp: 3046

Ion Ratio Lower Upper

128 100

129 8.0 8.5 12.7#

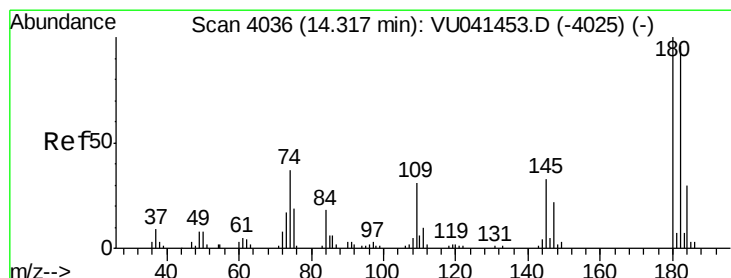
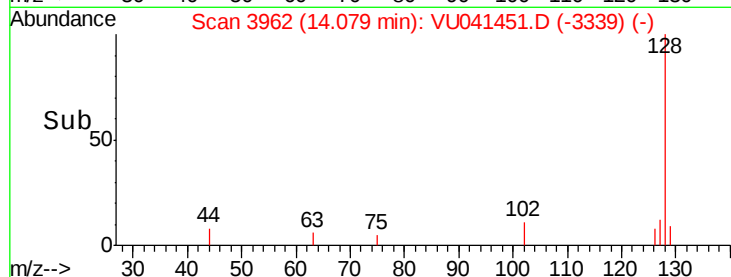
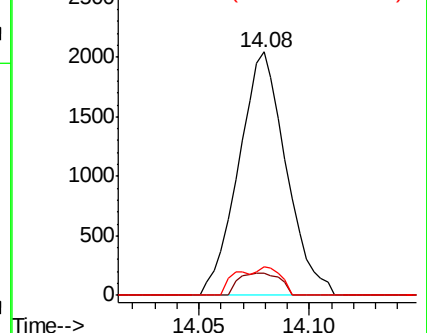
127 10.8 11.6 17.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.425 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.01 min

Lab File: VU041451.D

Acq: 03 Dec 2020 15:52

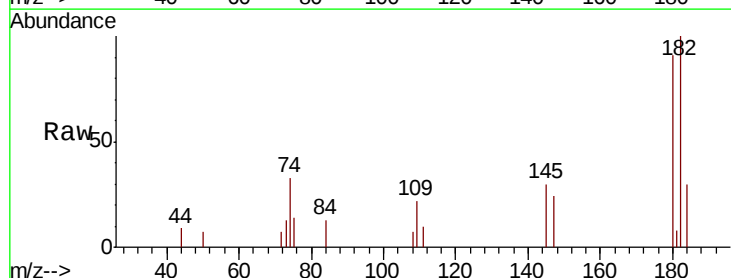
Tgt Ion:180 Resp: 2230

Ion Ratio Lower Upper

180 100

182 99.0 75.3 112.9

145 29.7 26.9 40.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

