

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031620\
 Data File : VU037288.D
 Acq On : 16 Mar 2020 11:41
 Operator : JC/MD
 Sample : VSTD0.506
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Quant Time: Mar 16 18:28:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Mar 16 18:25:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	126212	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	121214	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	56365	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	3255	0.41	ug/L	0.00
7) Chloroethane-d5	1.93	69	2867	0.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	7364	0.45	ug/L	0.00
20) 2-Butanone-d5	4.69	46	8915	4.27	ug/L	0.00
24) Chloroform-d	5.11	84	6999	0.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	4658	0.48	ug/L	0.00
32) Benzene-d6	5.76	84	12407	0.43	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	4108	0.44	ug/L	0.00
41) Toluene-d8	7.93	98	11798	0.43	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	1851	0.48	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	7501	4.64	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	3444	0.44	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	5121	0.53	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	7712	0.49	ug/L	99
3) Chloromethane	1.53	50	8304	0.60	ug/L	97
5) Vinyl chloride	1.62	62	7140	0.58	ug/L	100
6) Bromomethane	1.87	94	3873	0.79	ug/L	93
8) Chloroethane	1.95	64	4507	0.70	ug/L	99
9) Trichlorofluoromethane	2.16	101	10752	0.61	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4881	0.55	ug/L	97
12) 1,1-Dichloroethene	2.60	96	4573	0.56	ug/L	92
13) Acetone	2.68	43	7709	4.54	ug/L	97
14) Carbon disulfide	2.82	76	14818	0.56	ug/L	98
15) Methyl Acetate	3.00	43	1766	0.44	ug/L #	83
16) Methylene chloride	3.08	84	5799	0.60	ug/L	99
17) Methyl tert-butyl Ether	3.41	73	12346	0.56	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	4894	0.57	ug/L	95
19) 1,1-Dichloroethane	3.92	63	9982	0.57	ug/L	93
21) 2-Butanone	4.77	43	12829	4.78	ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	5297	0.56	ug/L	98
23) Bromochloromethane	5.01	128	2279	0.55	ug/L	91
25) Chloroform	5.13	83	10812	0.57	ug/L	97
27) 1,2-Dichloroethane	5.83	62	7383	0.55	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	9140	0.59	ug/L	97
30) Cyclohexane	5.43	56	7780	0.53	ug/L #	90
31) Carbon tetrachloride	5.56	117	7812	0.58	ug/L	97
33) Benzene	5.81	78	20197	0.57	ug/L	100
34) Trichloroethene	6.57	95	5510	0.57	ug/L	97
35) Methylcyclohexane	6.79	83	7517	0.51	ug/L	95
37) 1,2-Dichloropropane	6.83	63	5255	0.56	ug/L #	97
38) Bromodichloromethane	7.14	83	7845	0.63	ug/L #	93
39) cis-1,3-Dichloropropene	7.64	75	7511	0.56	ug/L	98
40) 4-Methyl-2-pentanone	7.83	43	32182	4.88	ug/L	99

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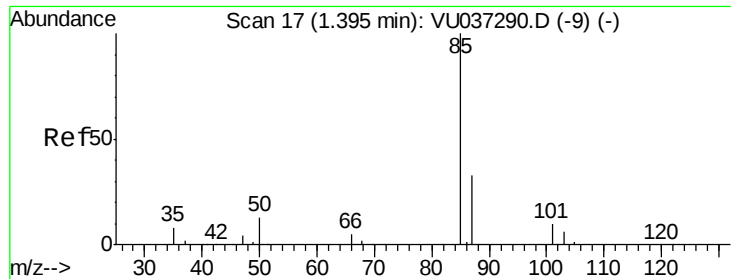
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031620WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	20025	0.53	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	6069	0.54	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	3886	0.58	ug/L	93
47) Tetrachloroethene	8.58	164	4162	0.56	ug/L	95
48) 2-Hexanone	8.72	43	23744	5.20	ug/L	99
49) Dibromochloromethane	8.83	129	4692	0.57	ug/L	99
50) 1,2-Dibromoethane	8.95	107	3540	0.55	ug/L #	98
51) Chlorobenzene	9.47	112	13786	0.56	ug/L	97
52) Ethylbenzene	9.59	91	23185	0.55	ug/L	100
53) m,p-Xylene	9.72	106	8457	0.56	ug/L	97
54) o-Xylene	10.12	106	7625	0.51	ug/L	99
55) Styrene	10.13	104	13291	0.55	ug/L	98
56) Isopropylbenzene	10.50	105	22216	0.56	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	5258	0.63	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	3943	0.59	ug/L	94
61) Bromoform	10.31	173	2857	0.66	ug/L #	94
62) 1,3-Dichlorobenzene	11.76	146	10619	0.58	ug/L	95
63) 1,4-Dichlorobenzene	11.85	146	11066	0.61	ug/L	96
65) 1,2-Dichlorobenzene	12.23	146	11319	0.65	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	818	0.61	ug/L #	78
67) 1,3,5-Trichlorobenzene	13.25	180	8028	0.63	ug/L	94
68) 1,2,4-trichlorobenzene	13.87	180	5016	0.57	ug/L	93
69) Naphthalene	14.12	128	6737	0.54	ug/L	96
70) 1,2,3-Trichlorobenzene	14.37	180	5410	0.66	ug/L	93

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

```
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Misc      : 25.0mL/MSVOA_U/WATER  
ALS Vial  : 3    Sample Multiplier: 1
```



#2

Dichlorodifluoromethane

Concen: 0.49 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

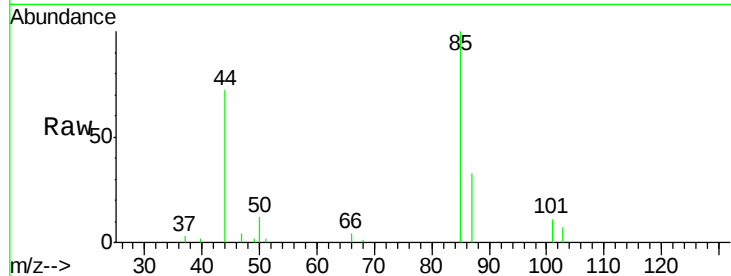
VSTD0.506

Tgt Ion: 85 Resp: 7712

Ion Ratio Lower Upper

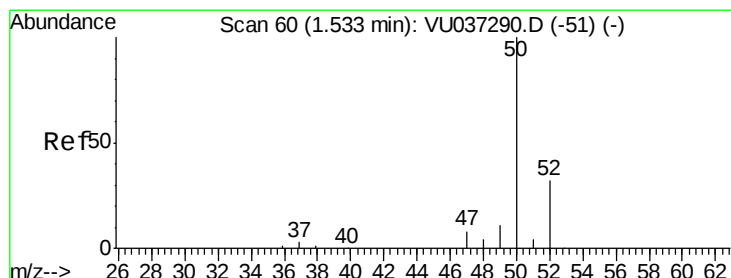
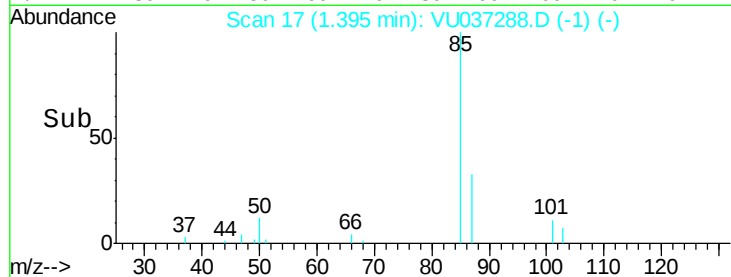
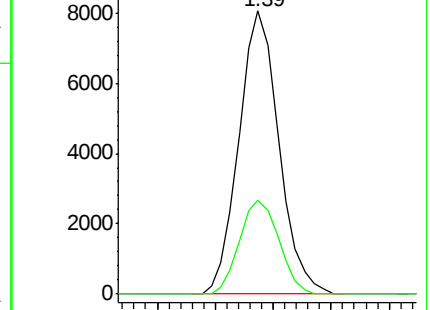
85 100

87 32.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.60 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037288.D

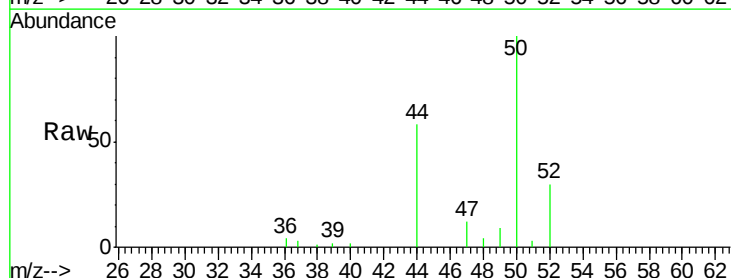
Acq: 16 Mar 2020 11:41

Tgt Ion: 50 Resp: 8304

Ion Ratio Lower Upper

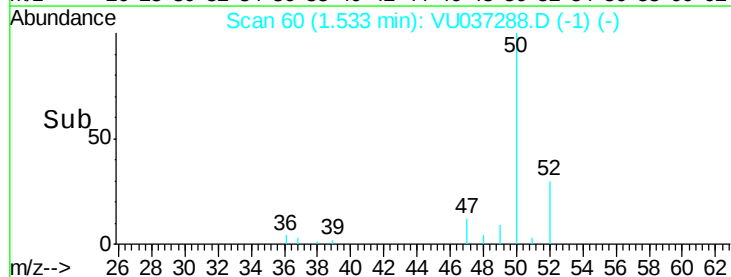
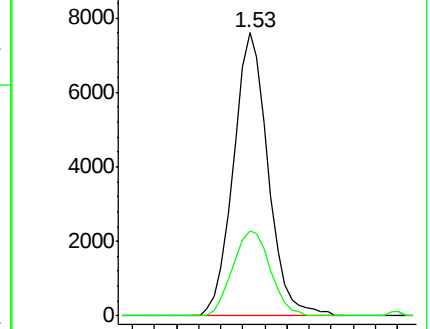
50 100

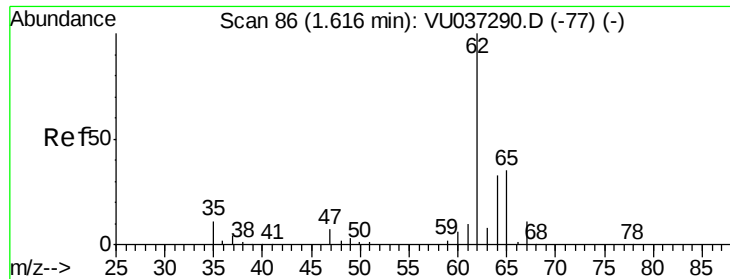
52 30.0 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.58 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

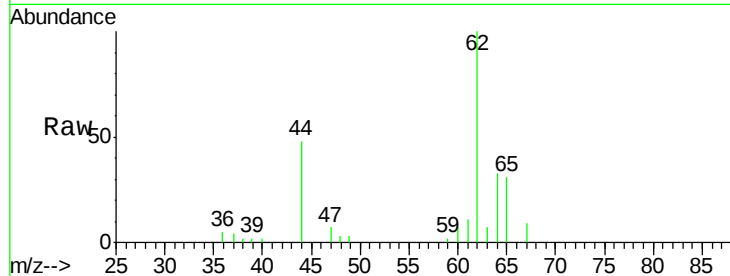
VSTD0.506

Tgt Ion: 62 Resp: 7140

Ion Ratio Lower Upper

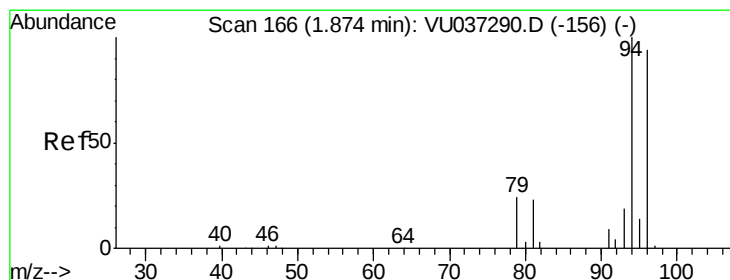
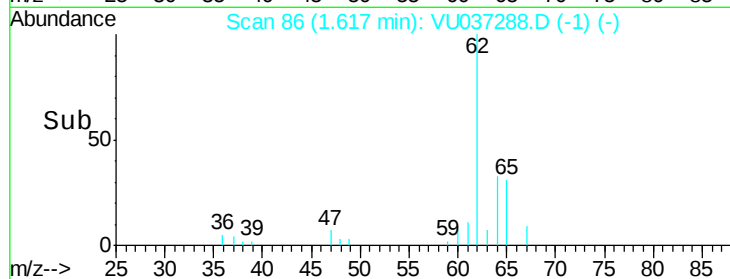
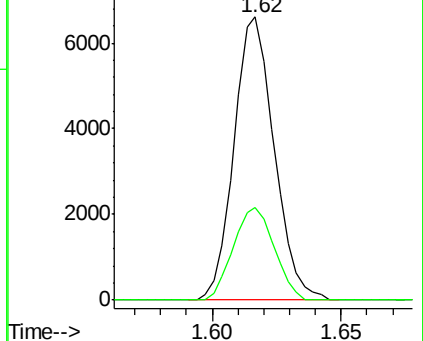
62 100

64 32.7 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU037290.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037290.D (-77) (-)



#6

Bromomethane

Concen: 0.79 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037288.D

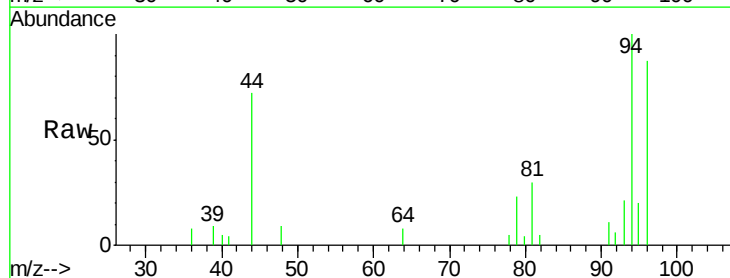
Acq: 16 Mar 2020 11:41

Tgt Ion: 94 Resp: 3873

Ion Ratio Lower Upper

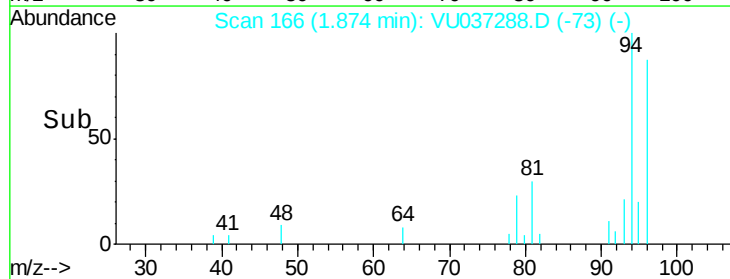
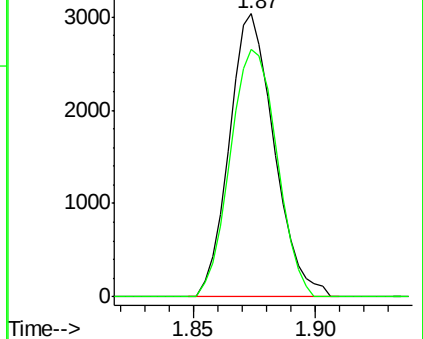
94 100

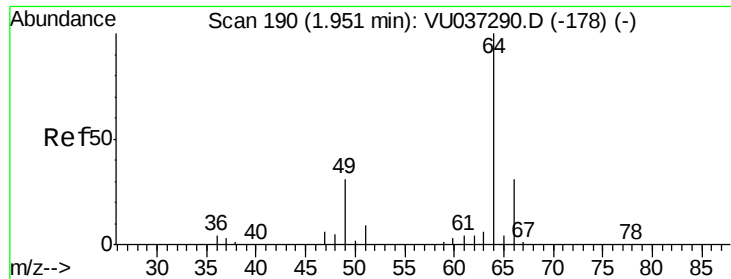
96 87.4 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU037290.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037290.D (-156) (-)





#8

Chloroethane

Concen: 0.70 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

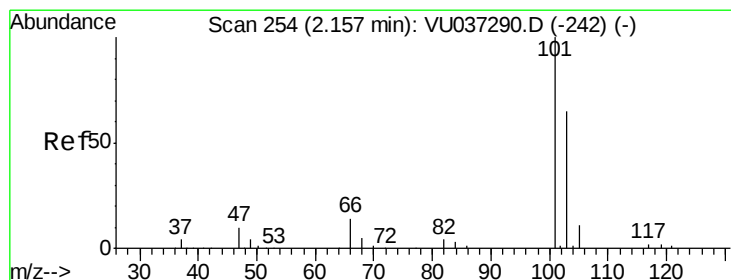
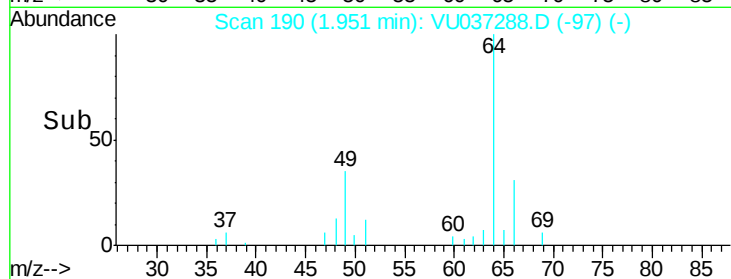
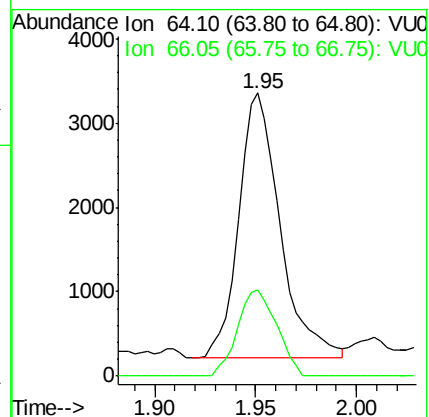
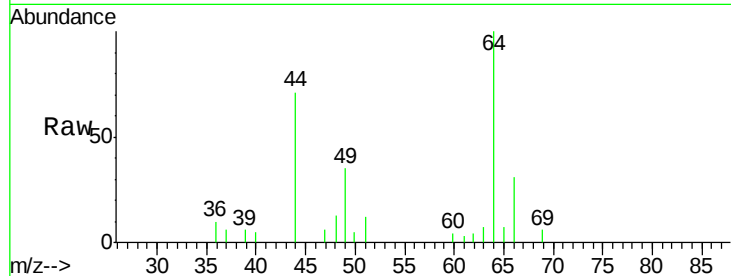
VSTD0.506

Tgt Ion: 64 Resp: 4507

Ion Ratio Lower Upper

64 100

66 30.5 21.7 40.3



#9

Trichlorofluoromethane

Concen: 0.61 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037288.D

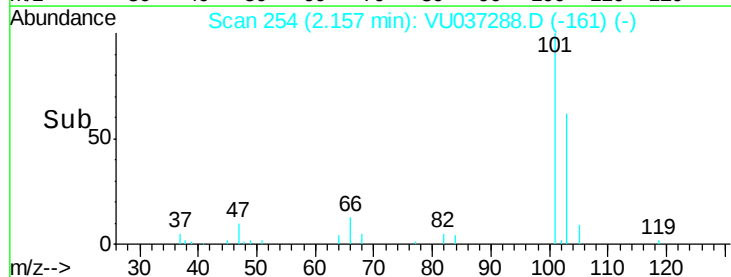
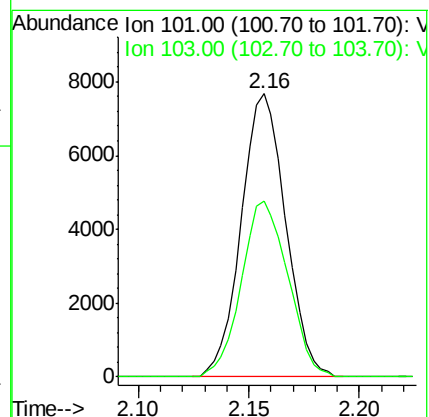
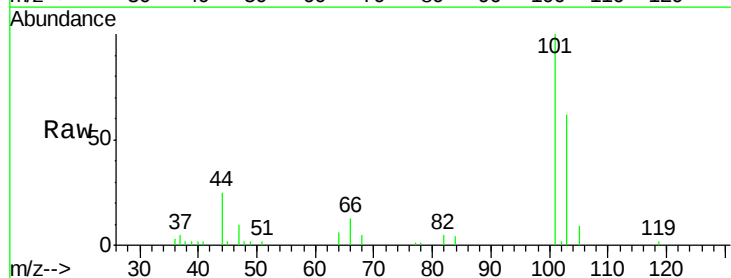
Acq: 16 Mar 2020 11:41

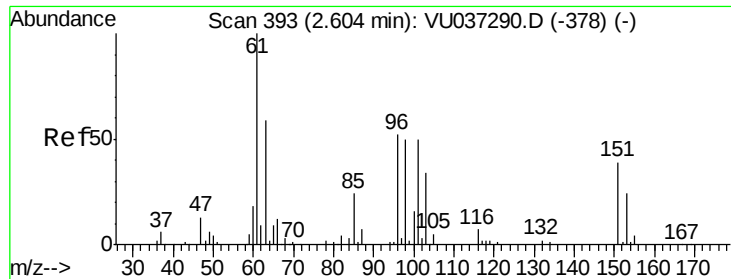
Tgt Ion: 101 Resp: 10752

Ion Ratio Lower Upper

101 100

103 64.9 52.9 79.3





#10

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

Concen: 0.55 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

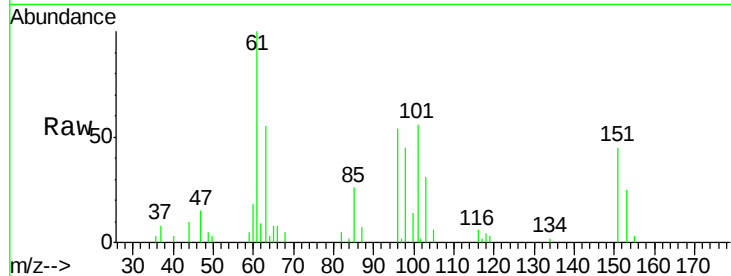
Tgt Ion: 101 Resp: 4881

Ion Ratio Lower Upper

101 100

85 44.9 39.1 58.7

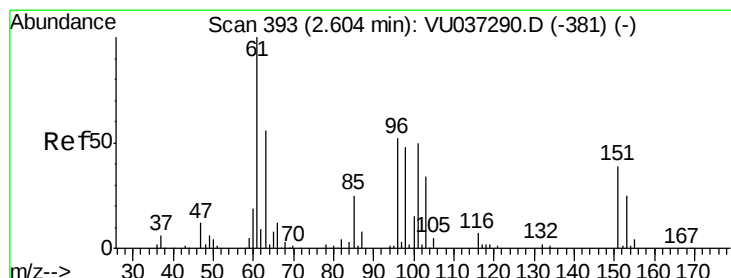
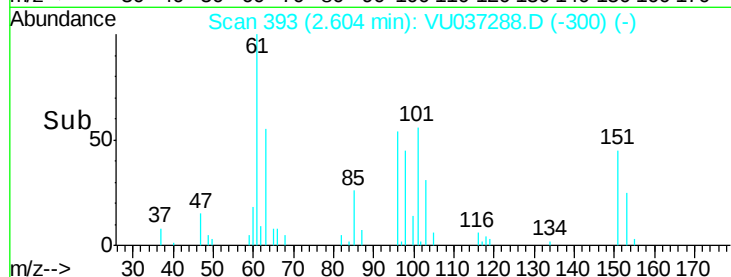
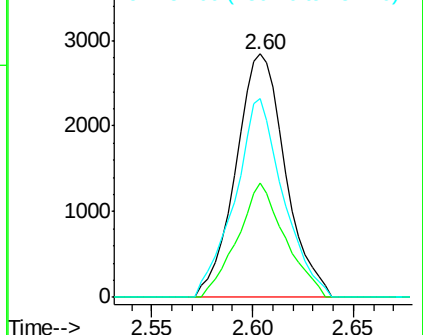
151 79.8 62.5 93.7



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: 0.56 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

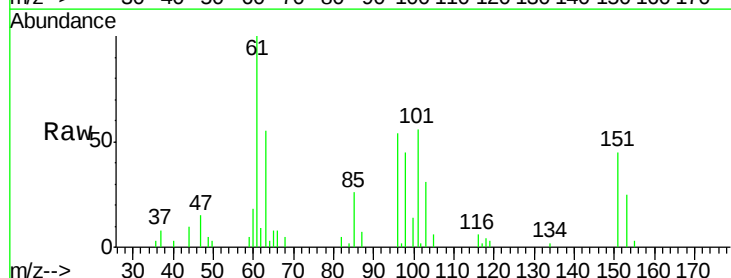
Tgt Ion: 96 Resp: 4573

Ion Ratio Lower Upper

96 100

61 183.9 134.3 249.5

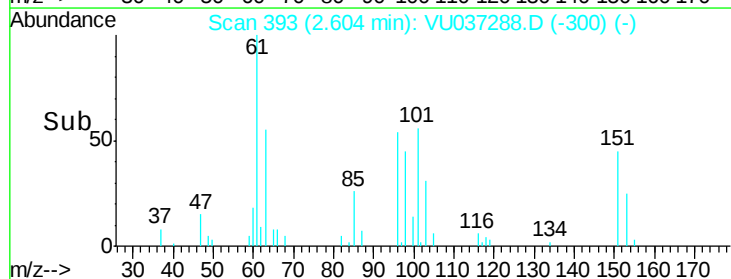
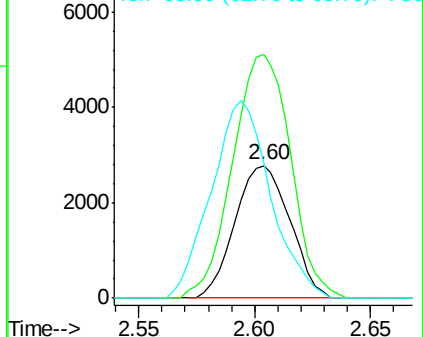
63 101.5 80.3 149.1

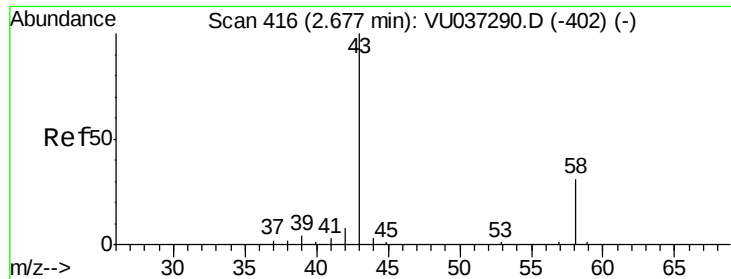


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.54 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.00 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

Instrument :

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ClientSampleId :

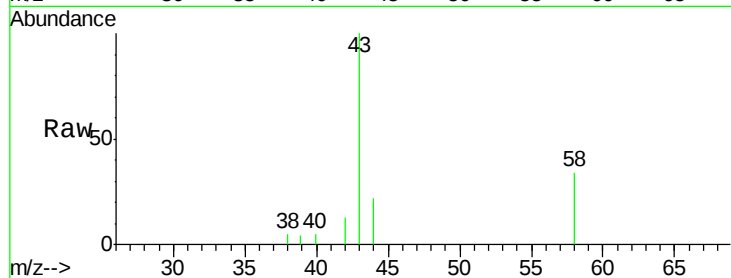
VSTD0.506

Tgt Ion: 43 Resp: 7709

Ion Ratio Lower Upper

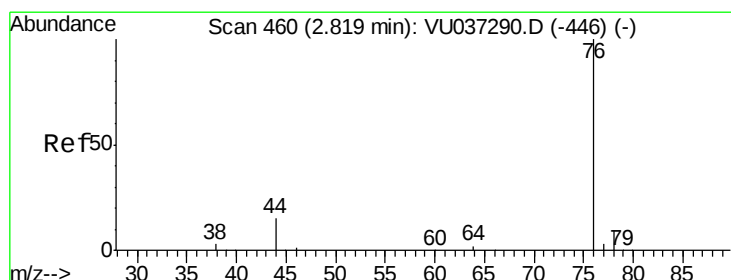
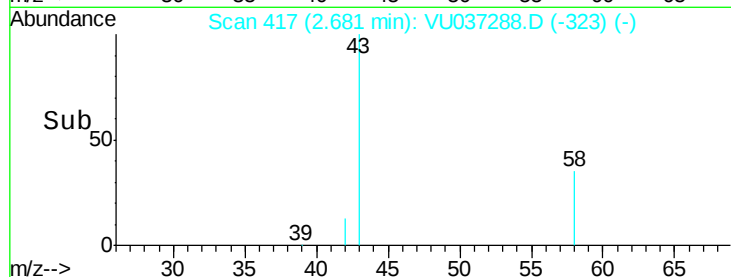
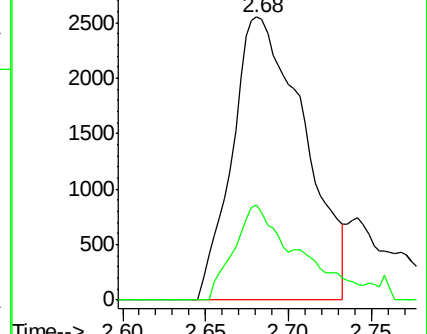
43 100

58 30.4 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VU037290.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU037290.D (-402) (-)



#14

Carbon disulfide

Concen: 0.56 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037288.D

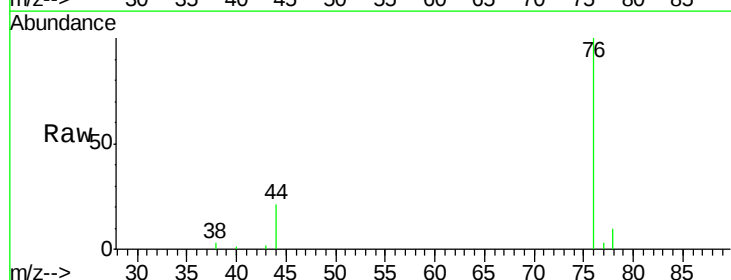
Acq: 16 Mar 2020 11:41

Tgt Ion: 76 Resp: 14818

Ion Ratio Lower Upper

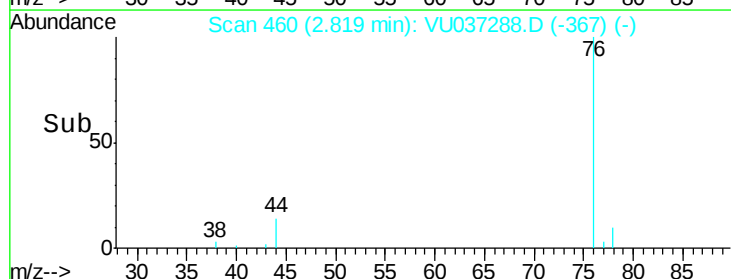
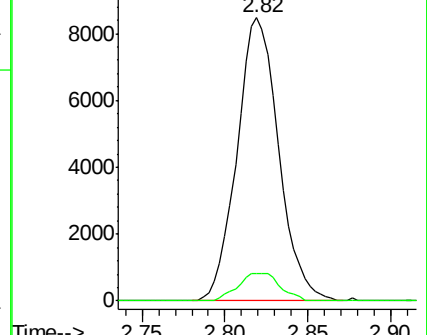
76 100

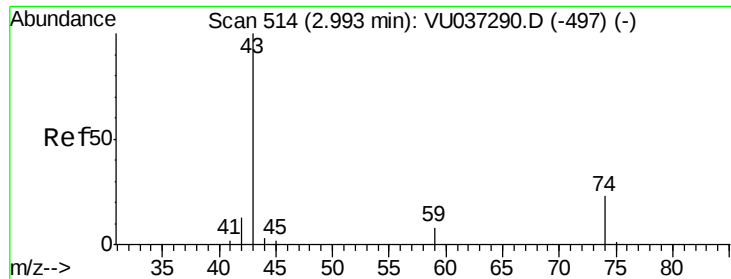
78 9.5 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU037290.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037290.D (-446) (-)

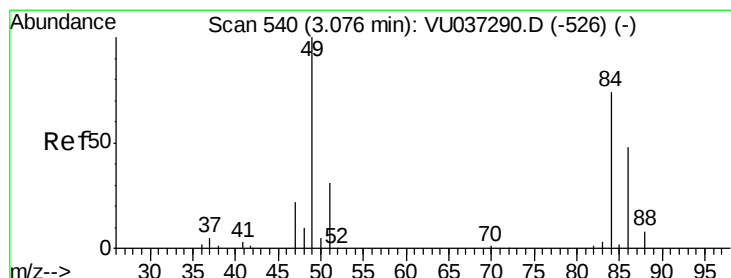
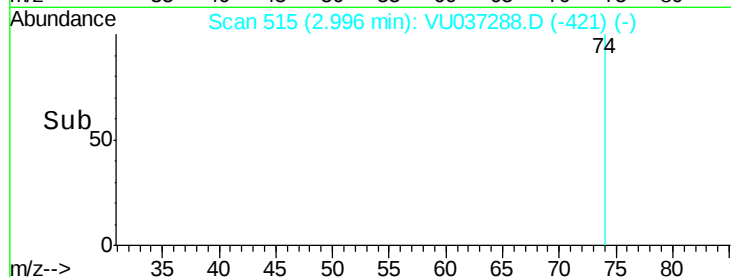
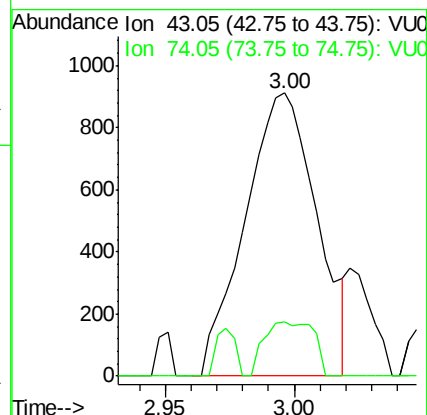
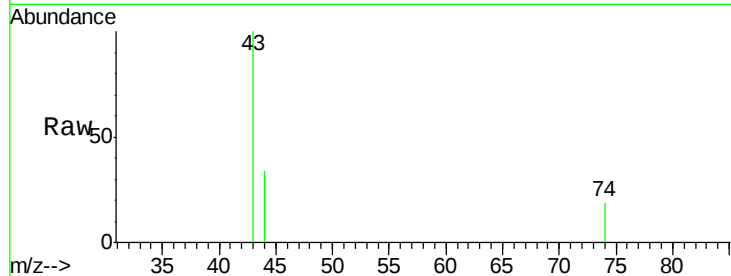




#15
Methyl Acetate
Concen: 0.44 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU037288.D
Acq: 16 Mar 2020 11:41

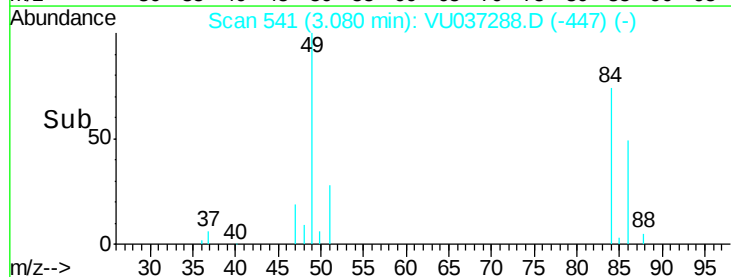
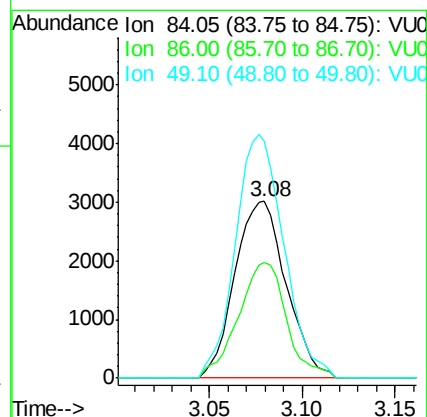
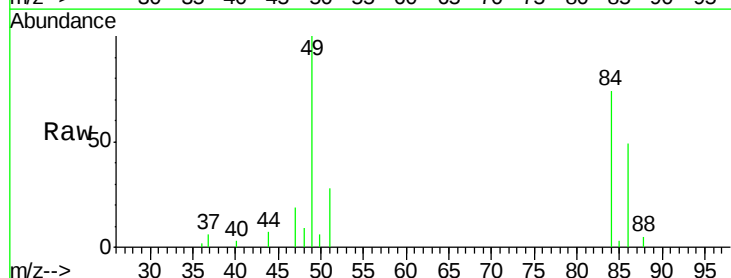
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

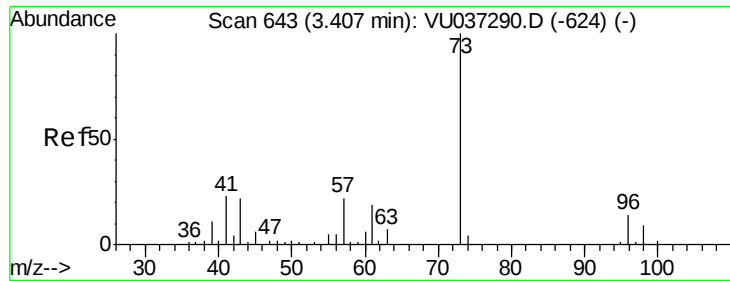
Tgt Ion: 43 Resp: 1766
Ion Ratio Lower Upper
43 100
74 13.3 17.0 25.4#



#16
Methylene chloride
Concen: 0.60 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU037288.D
Acq: 16 Mar 2020 11:41

Tgt Ion: 84 Resp: 5799
Ion Ratio Lower Upper
84 100
86 65.7 45.2 84.0
49 134.3 94.4 175.4

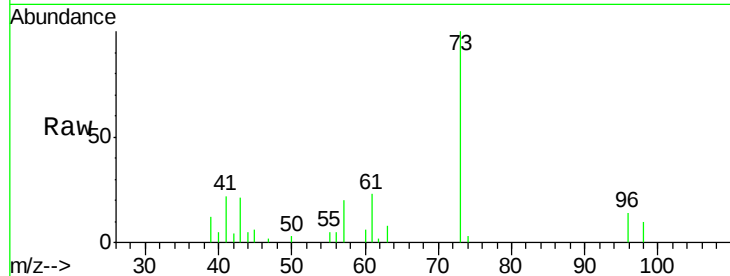




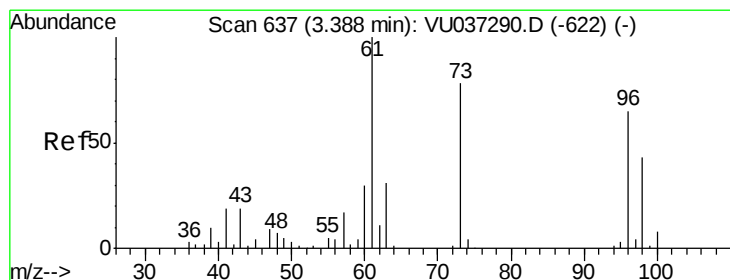
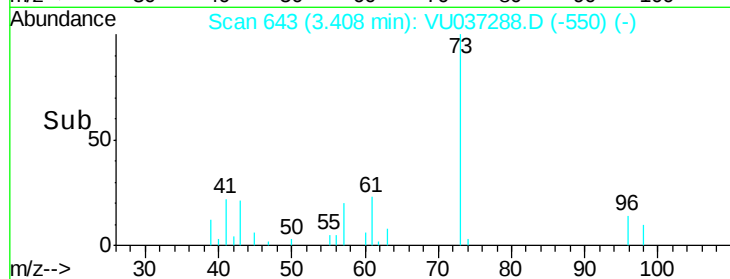
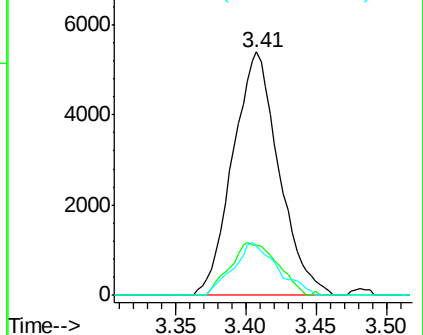
#17
Methyl tert-butyl Ether
Concen: 0.56 ug/L
RT: 3.41 min Scan# 643
Delta R.T. 0.00 min
Lab File: VU037288.D
Acq: 16 Mar 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tgt Ion: 73 Resp: 12346
Ion Ratio Lower Upper
73 100
43 22.2 18.6 28.0
57 20.7 17.1 25.7

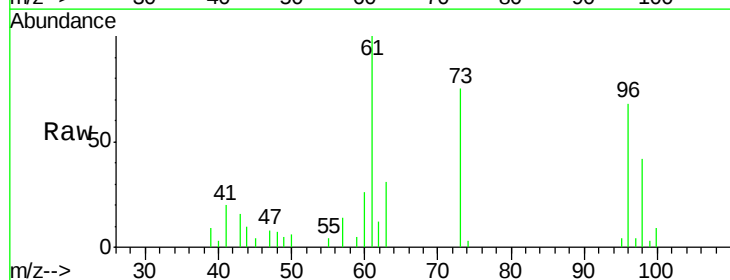


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

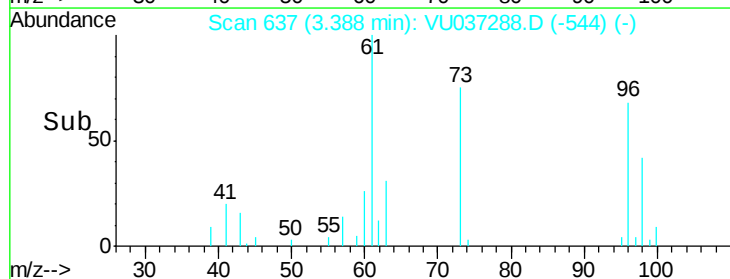
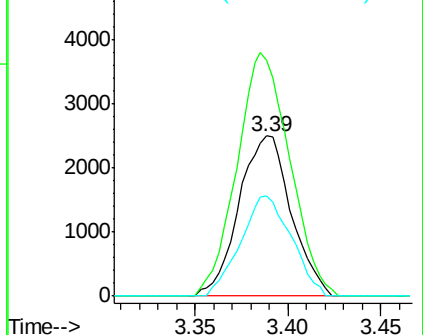


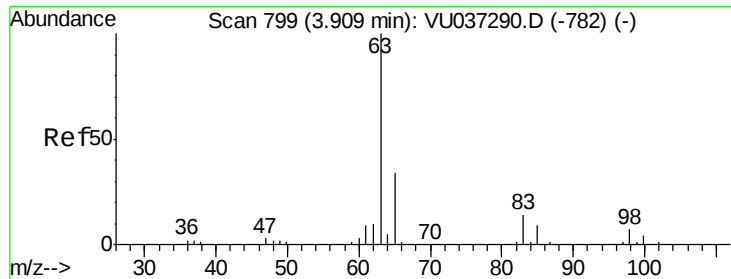
#18
trans-1,2-Dichloroethene
Concen: 0.57 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037288.D
Acq: 16 Mar 2020 11:41

Tgt Ion: 96 Resp: 4894
Ion Ratio Lower Upper
96 100
61 147.2 107.5 199.7
98 62.5 45.9 85.3



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

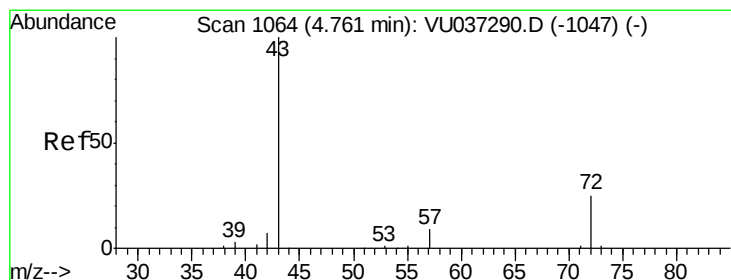
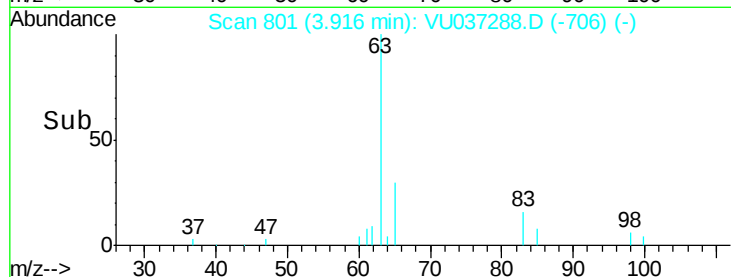
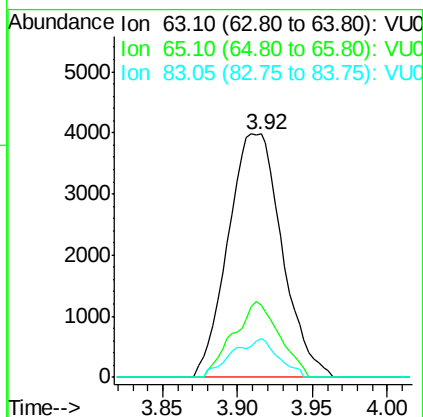
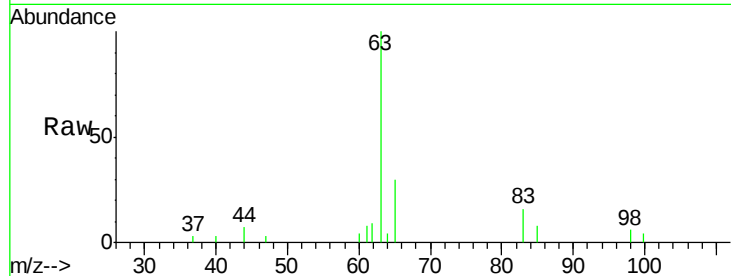




#19
 1,1-Dichloroethane
 Concen: 0.57 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: VU037288.D
 Acq: 16 Mar 2020 11:41

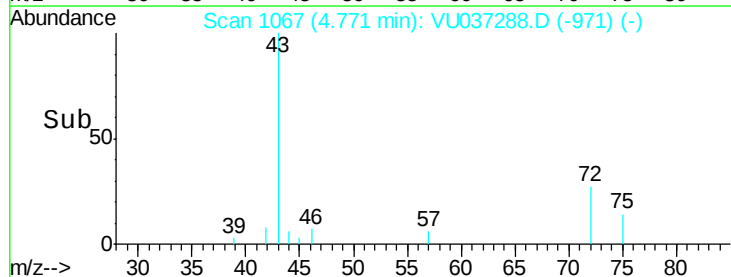
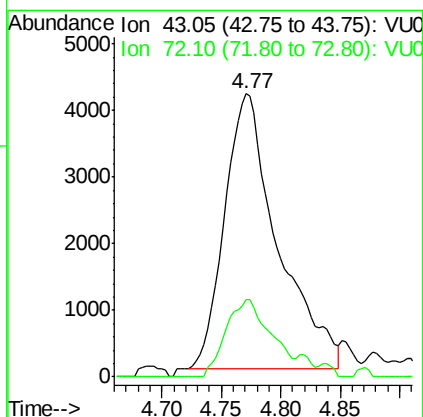
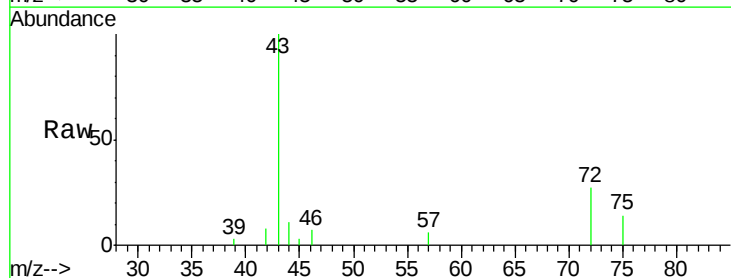
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

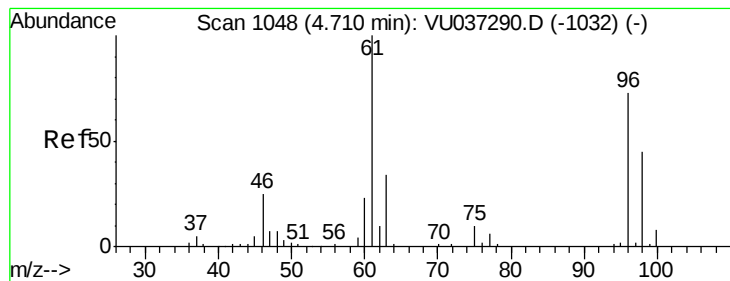
Tgt Ion: 63 Resp: 9982
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.1 44.7
 83 15.7 10.1 18.9



#21
 2-Butanone
 Concen: 4.78 ug/L
 RT: 4.77 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: VU037288.D
 Acq: 16 Mar 2020 11:41

Tgt Ion: 43 Resp: 12829
 Ion Ratio Lower Upper
 43 100
 72 23.4 12.5 37.5





#22

cis-1,2-Dichloroethene

Concen: 0.56 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

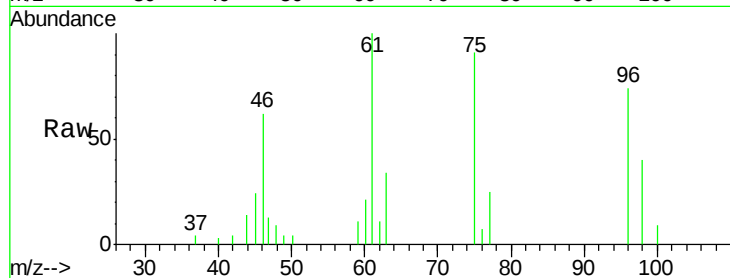
Tgt Ion: 96 Resp: 5297

Ion Ratio Lower Upper

96 100

61 134.5 95.8 178.0

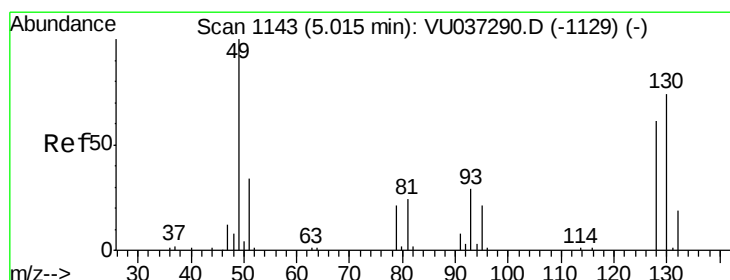
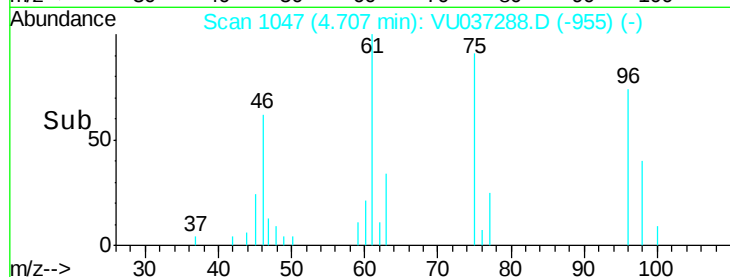
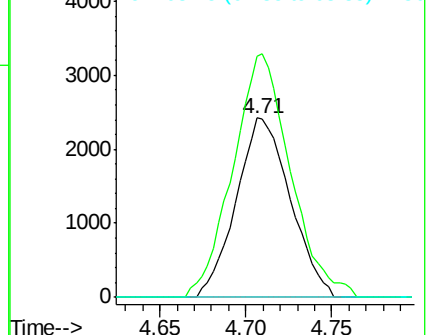
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037290.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU037290.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU037290.D (-1032) (-)



#23

Bromochloromethane

Concen: 0.55 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

Tgt Ion: 128 Resp: 2279

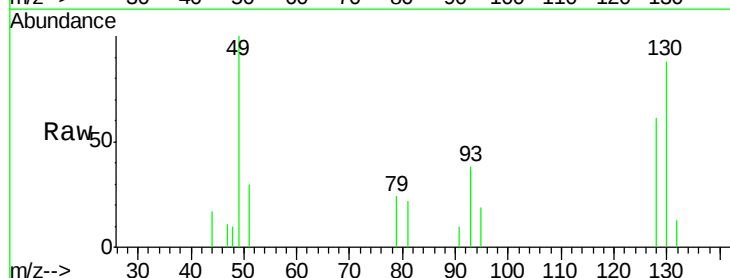
Ion Ratio Lower Upper

128 100

49 163.4 116.7 216.7

130 143.0 85.3 158.5

51 48.8 44.6 66.8

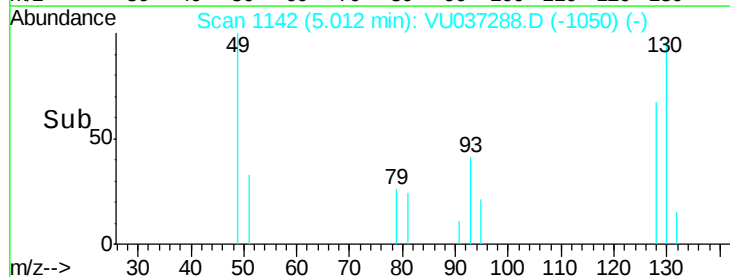
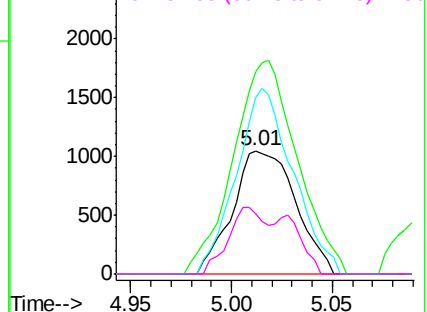


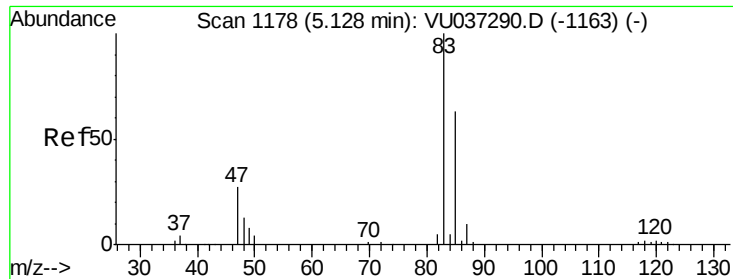
Abundance Ion 127.90 (127.60 to 128.60): VU037290.D (-1129) (-)

Ion 49.10 (48.80 to 49.80): VU037290.D (-1129) (-)

Ion 129.95 (129.65 to 130.65): VU037290.D (-1129) (-)

Ion 51.05 (50.75 to 51.75): VU037290.D (-1129) (-)

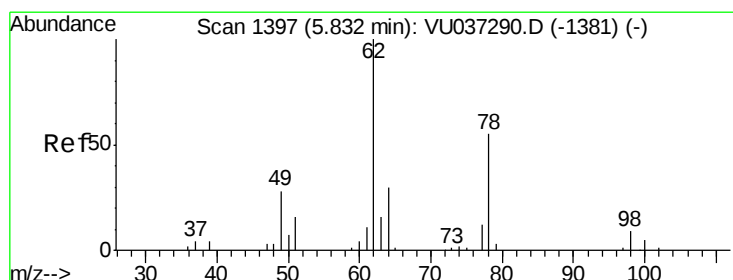
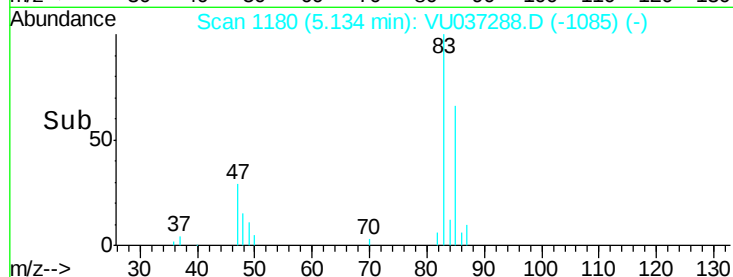
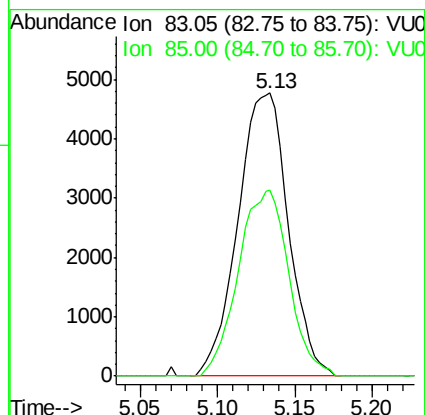
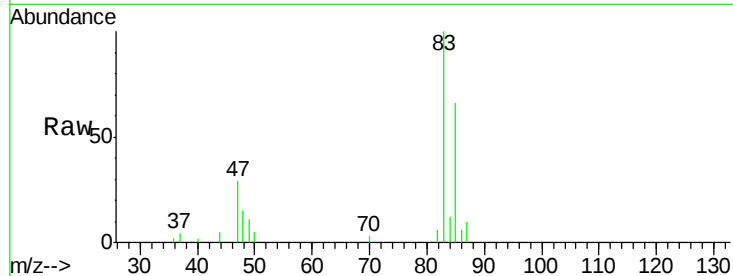




#25
Chloroform
Concen: 0.57 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VU037288.D
Acq: 16 Mar 2020 11:41

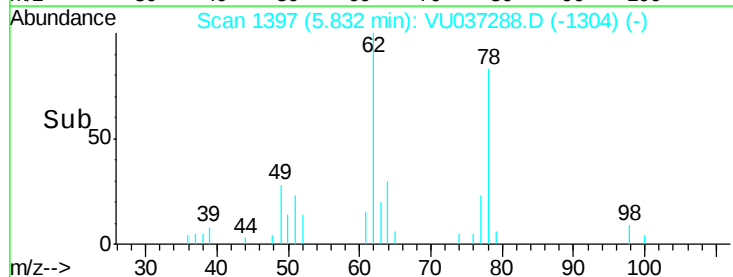
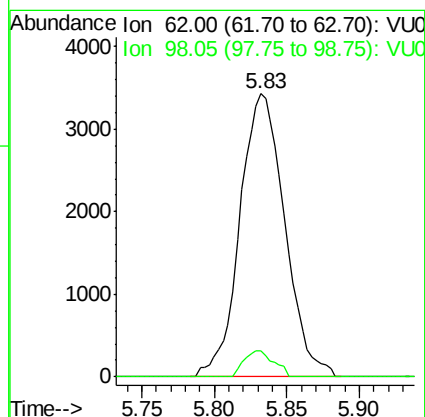
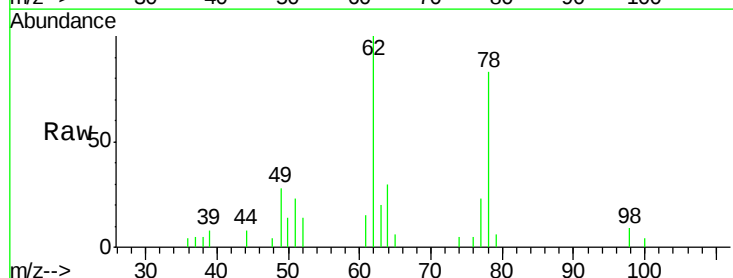
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

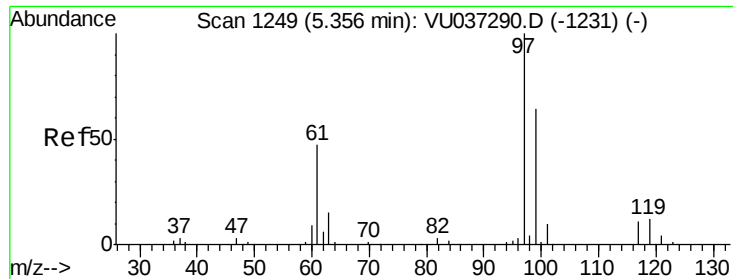
Tgt Ion: 83 Resp: 10812
Ion Ratio Lower Upper
83 100
85 66.0 44.7 82.9



#27
1,2-Dichloroethane
Concen: 0.55 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037288.D
Acq: 16 Mar 2020 11:41

Tgt Ion: 62 Resp: 7383
Ion Ratio Lower Upper
62 100
98 9.2 6.8 10.2

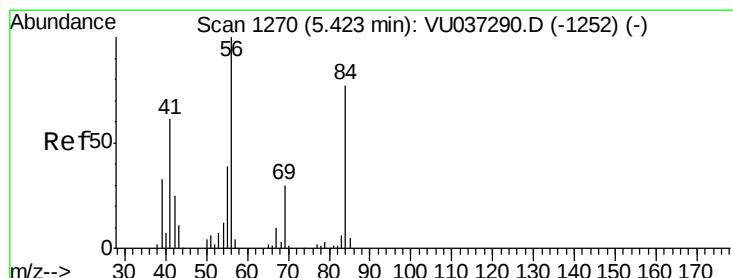
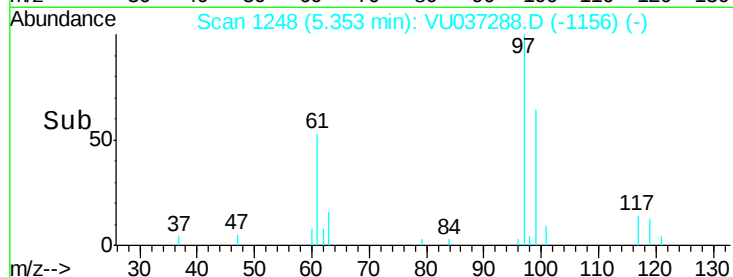
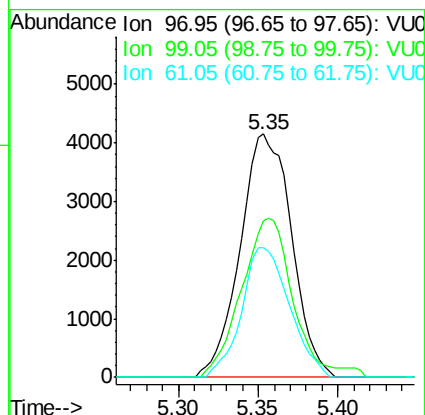
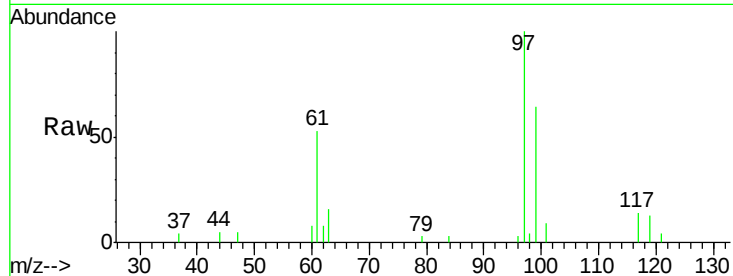




#29
 1,1,1-Trichloroethane
 Concen: 0.59 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037288.D
 Acq: 16 Mar 2020 11:41

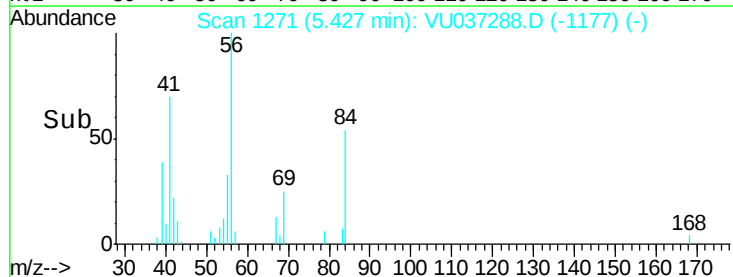
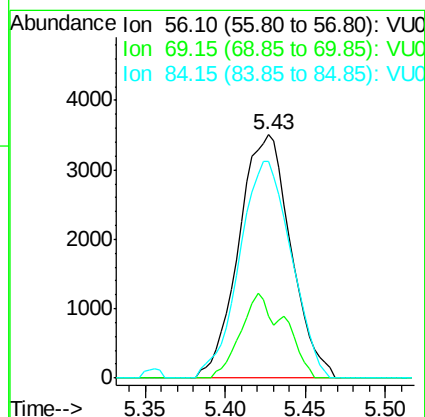
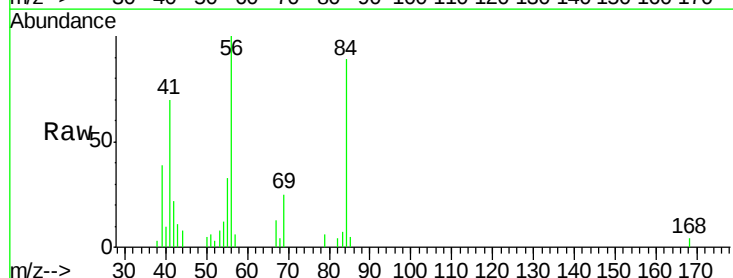
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD0.506

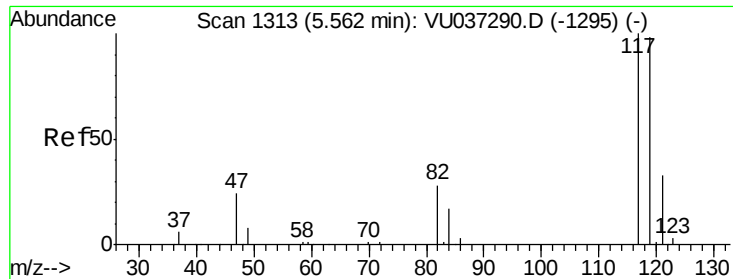
Tgt Ion: 97 Resp: 9140
 Ion Ratio Lower Upper
 97 100
 99 64.7 50.6 76.0
 61 49.6 36.8 55.2



#30
 Cyclohexane
 Concen: 0.53 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU037288.D
 Acq: 16 Mar 2020 11:41

Tgt Ion: 56 Resp: 7780
 Ion Ratio Lower Upper
 56 100
 69 19.9 24.3 36.5#
 84 89.0 66.6 100.0

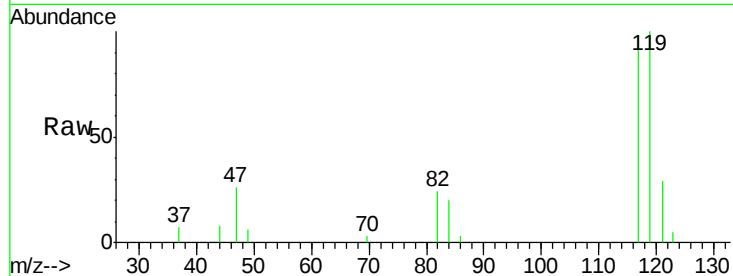




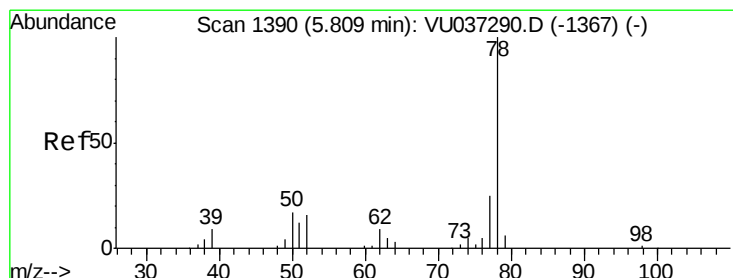
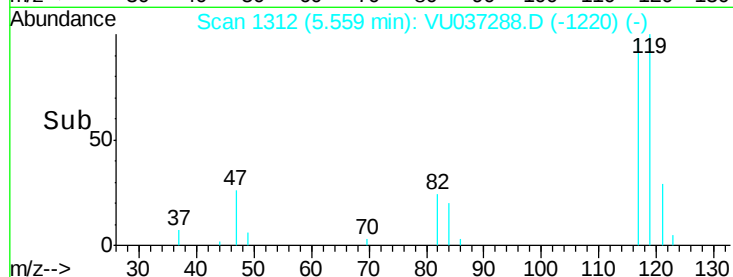
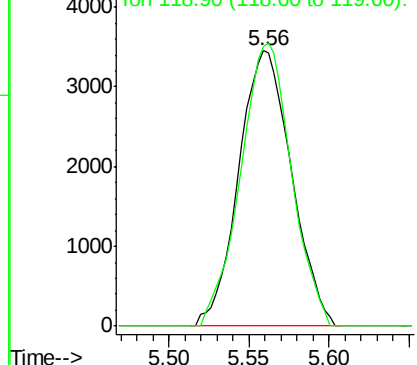
#31
Carbon tetrachloride
Concen: 0.58 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU037288.D
Acq: 16 Mar 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tgt Ion: 117 Resp: 7812
Ion Ratio Lower Upper
117 100
119 99.1 77.0 115.6

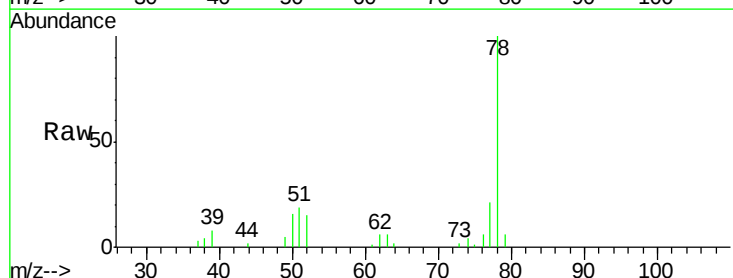


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

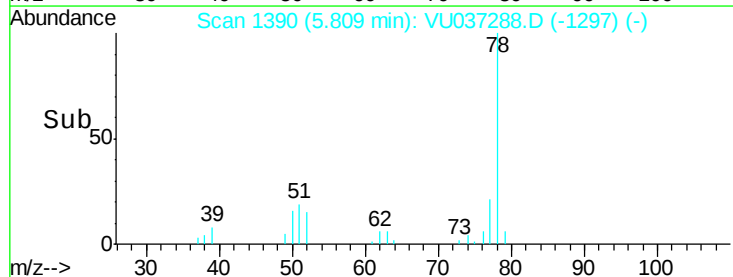
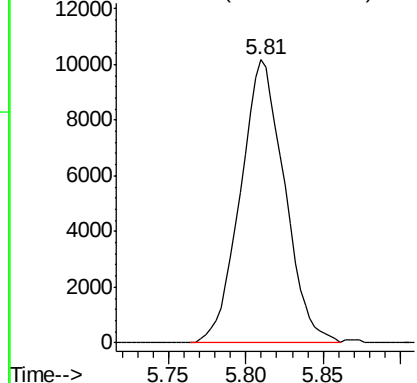


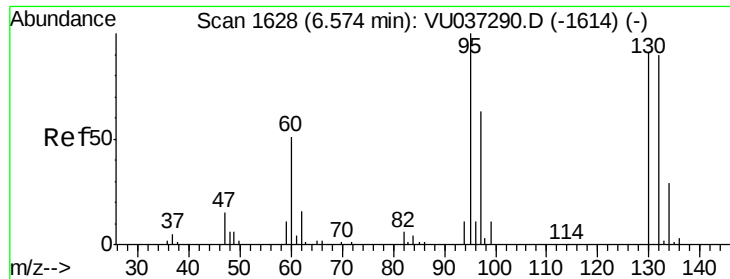
#33
Benzene
Concen: 0.57 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU037288.D
Acq: 16 Mar 2020 11:41

Tgt Ion: 78 Resp: 20197



Abundance Ion 78.10 (77.80 to 78.80): VU0

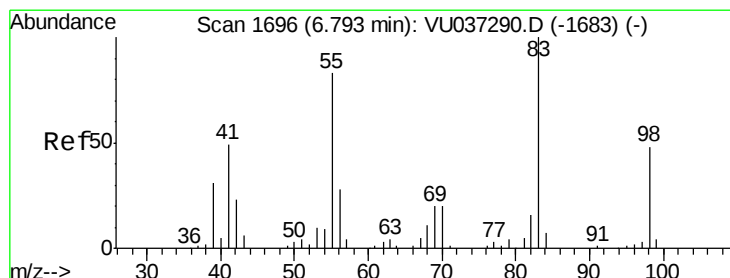
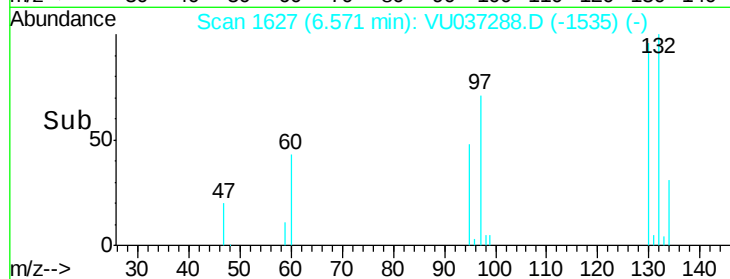
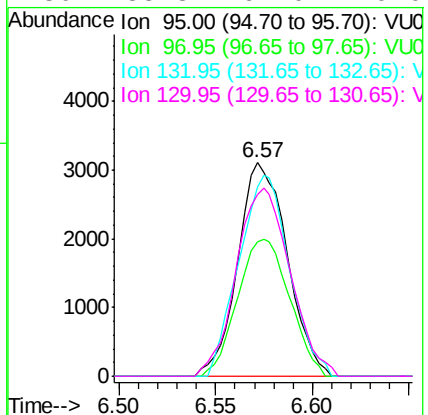
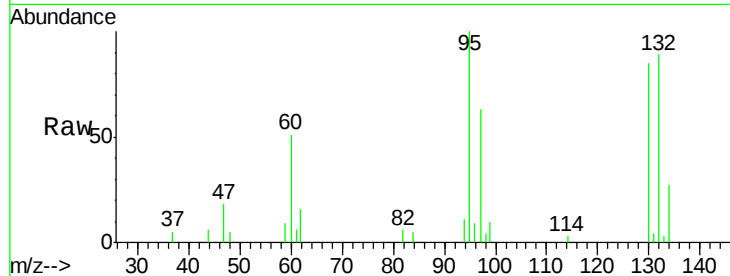




#34
 Trichloroethene
 Concen: 0.57 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037288.D
 Acq: 16 Mar 2020 11:41

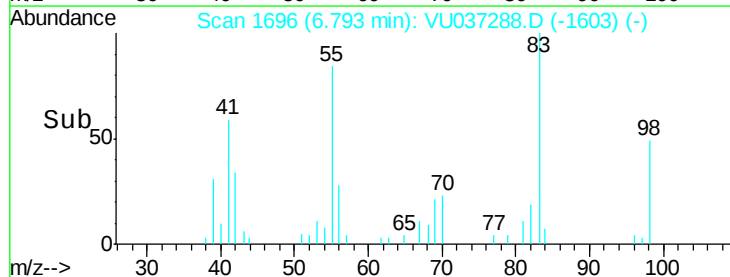
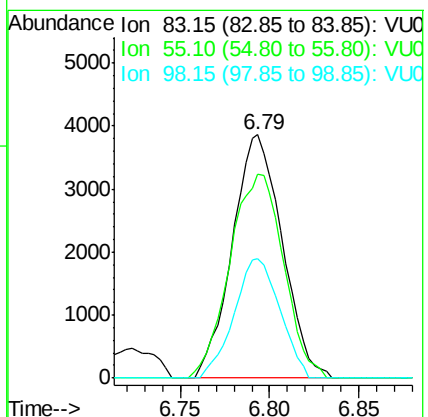
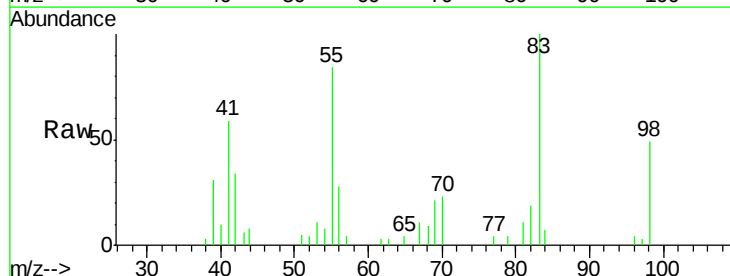
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

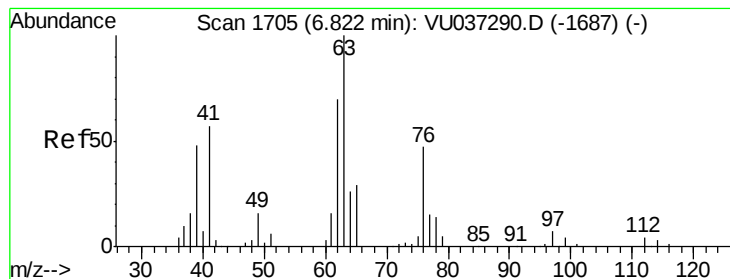
Tgt Ion: 95 Resp: 5510
 Ion Ratio Lower Upper
 95 100
 97 63.2 44.3 82.3
 132 88.5 63.2 117.4
 130 85.3 64.0 119.0



#35
 Methylcyclohexane
 Concen: 0.51 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037288.D
 Acq: 16 Mar 2020 11:41

Tgt Ion: 83 Resp: 7517
 Ion Ratio Lower Upper
 83 100
 55 90.0 67.0 100.6
 98 45.0 37.4 56.0





#37

1,2-Dichloropropane

Concen: 0.56 ug/L

RT: 6.83 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

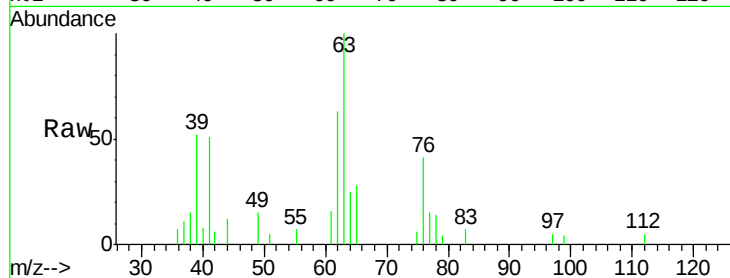
VSTD0.506

Tgt Ion: 63 Resp: 5255

Ion Ratio Lower Upper

63 100

112 2.8 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU037290.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU037290.D (-1687) (-)

6.83

3000

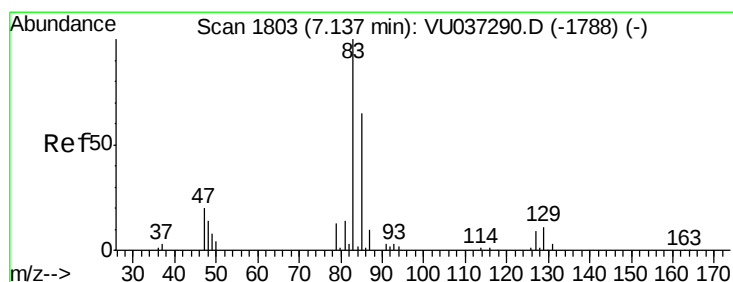
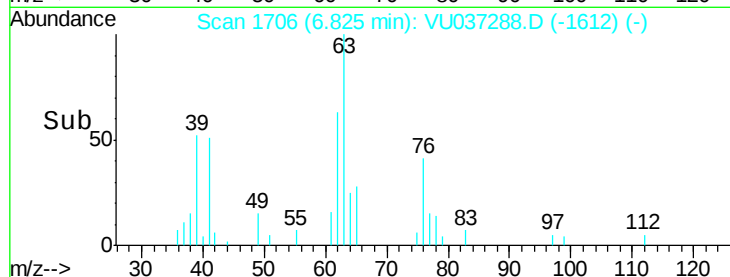
2000

1000

0

6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 0.63 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

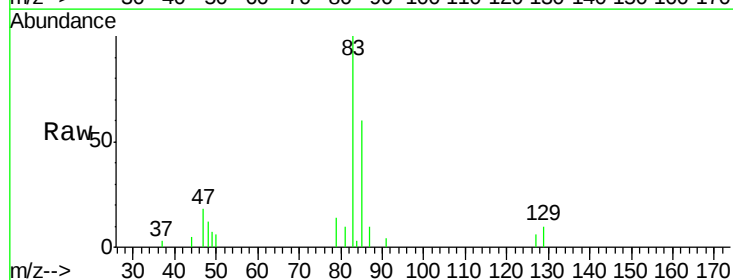
Tgt Ion: 83 Resp: 7845

Ion Ratio Lower Upper

83 100

85 60.2 45.8 85.0

127 5.6 7.0 10.6#



Abundance Ion 82.95 (82.65 to 83.65): VU037290.D (-1788) (-)

Ion 85.00 (84.70 to 85.70): VU037290.D (-1788) (-)

Ion 126.90 (126.60 to 127.60): VU037290.D (-1788) (-)

7.14

6000

5000

4000

3000

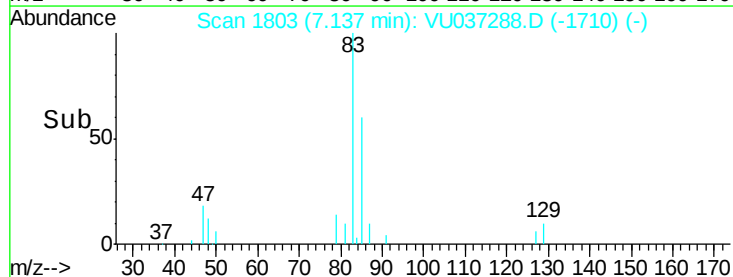
2000

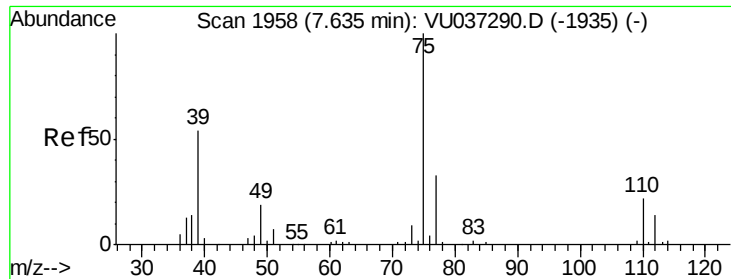
1000

0

7.10 7.15 7.20

Time-->

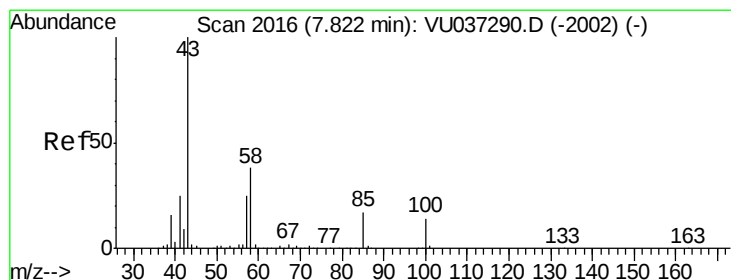
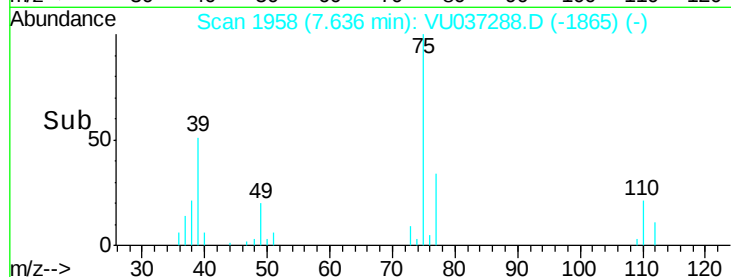
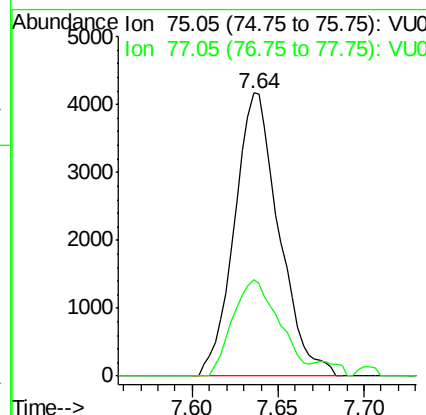
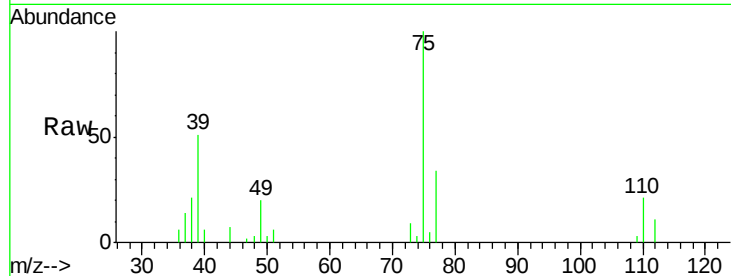




#39
 cis-1,3-Dichloropropene
 Concen: 0.56 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037288.D
 Acq: 16 Mar 2020 11:41

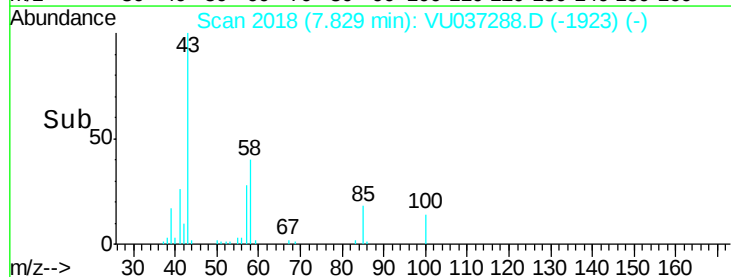
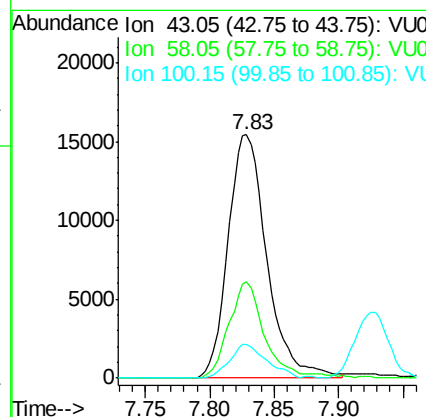
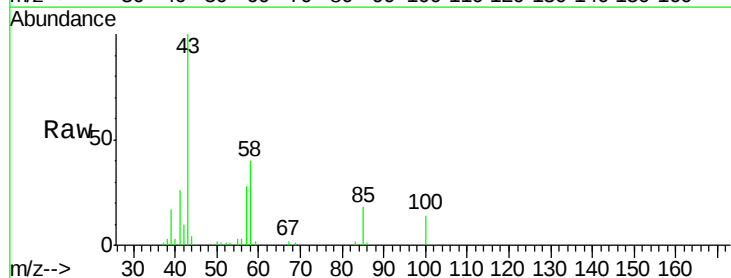
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

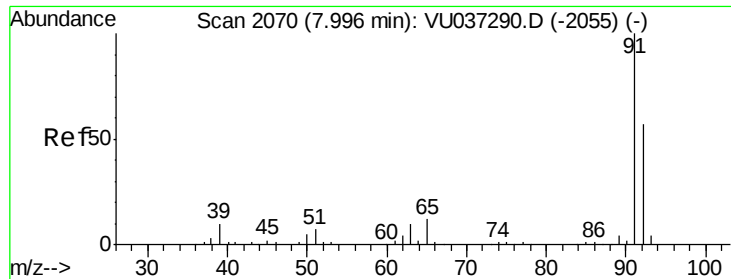
Tgt Ion: 75 Resp: 7511
 Ion Ratio Lower Upper
 75 100
 77 34.2 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 4.88 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: VU037288.D
 Acq: 16 Mar 2020 11:41

Tgt Ion: 43 Resp: 32182
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.8 44.8
 100 13.3 11.3 16.9





#42

Toluene

Concen: 0.53 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

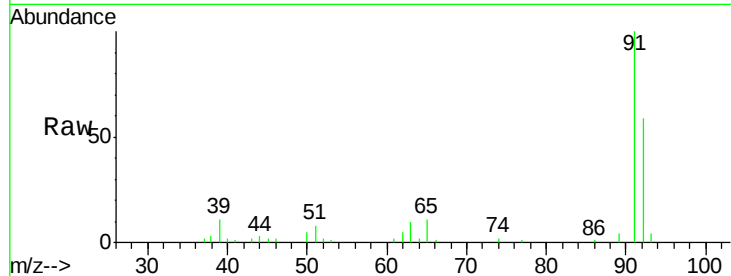
VSTD0.506

Tgt Ion: 91 Resp: 20025

Ion Ratio Lower Upper

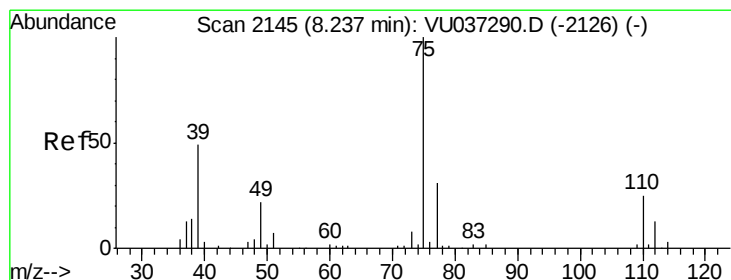
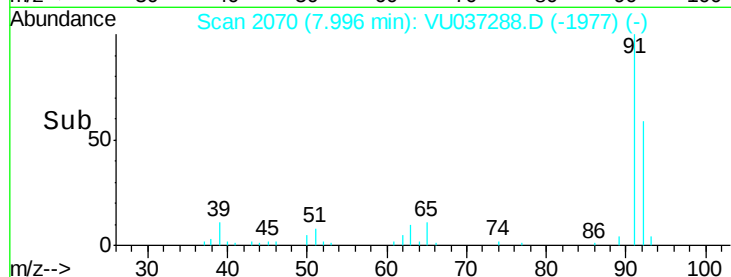
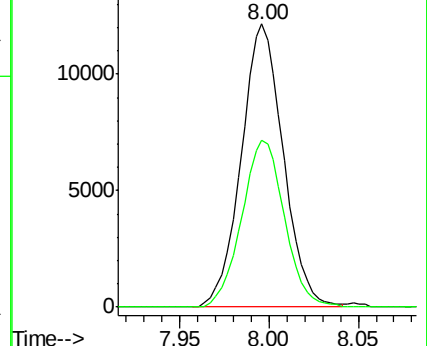
91 100

92 59.0 39.8 73.8



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: 0.54 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037288.D

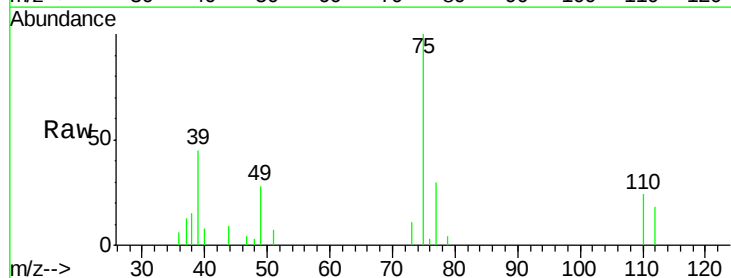
Acq: 16 Mar 2020 11:41

Tgt Ion: 75 Resp: 6069

Ion Ratio Lower Upper

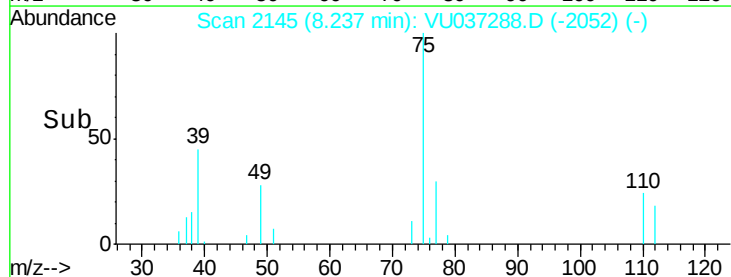
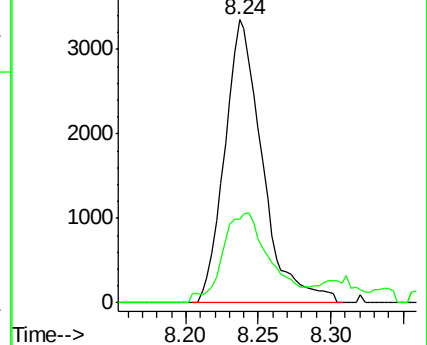
75 100

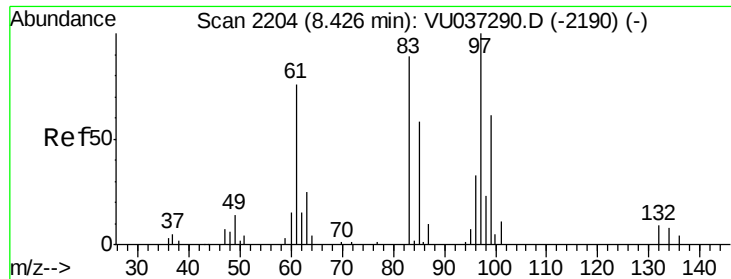
77 29.6 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

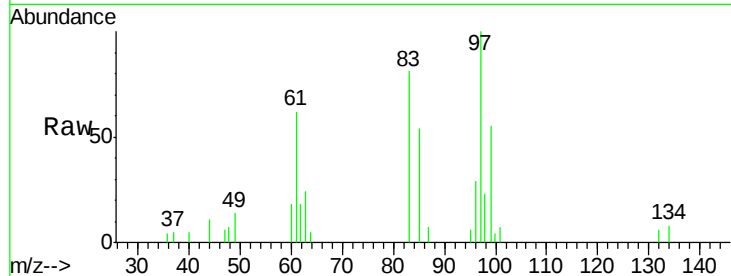




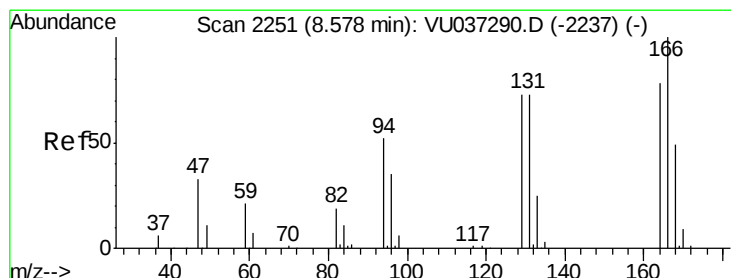
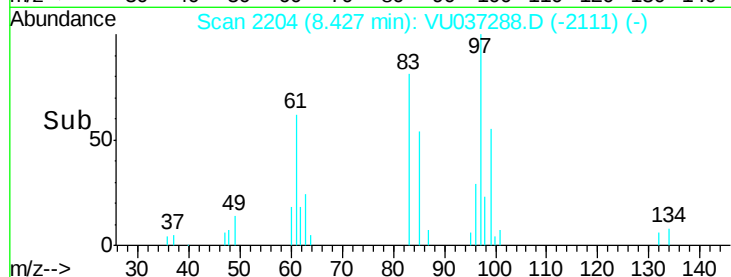
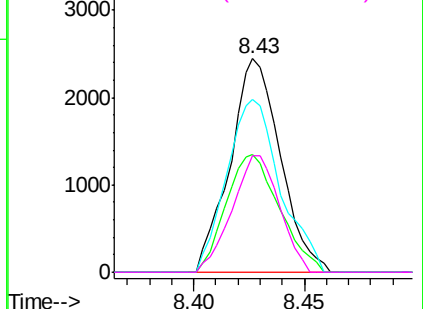
#45
 1,1,2-Trichloroethane
 Concen: 0.58 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037288.D
 Acq: 16 Mar 2020 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tgt Ion:	97	Resp:	3886
Ion	Ratio	Lower	Upper
97	100		
99	55.2	42.8	79.6
83	81.0	62.4	115.8
85	54.3	40.7	75.7

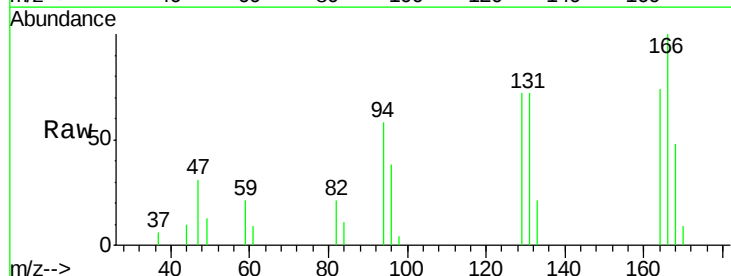


Abundance Ion 96.95 (96.65 to 97.65): VU037290.D (-2190) (-)

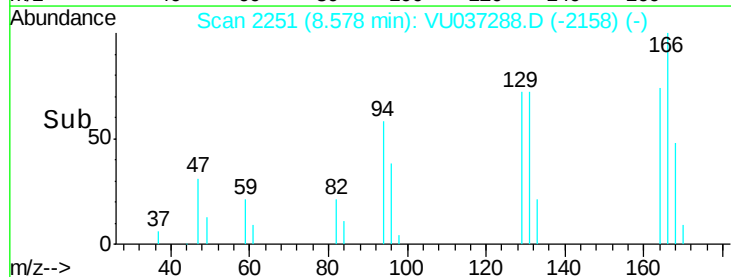
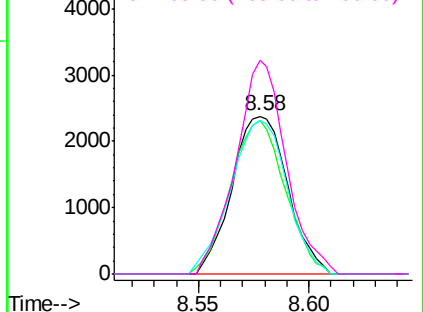


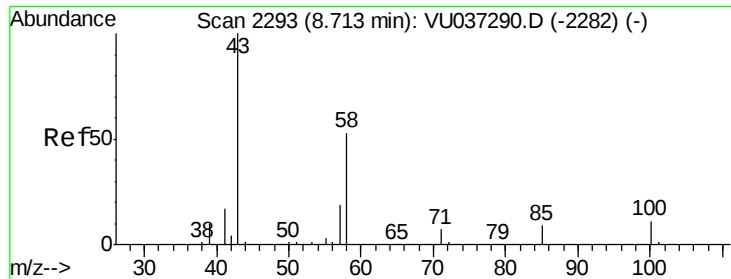
#47
 Tetrachloroethene
 Concen: 0.56 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU037288.D
 Acq: 16 Mar 2020 11:41

Tgt Ion:	164	Resp:	4162
Ion	Ratio	Lower	Upper
164	100		
129	97.3	65.8	122.2
131	97.6	65.1	120.9
166	135.2	89.7	166.5



Abundance Ion 163.90 (163.60 to 164.60): VU037290.D (-2237) (-)

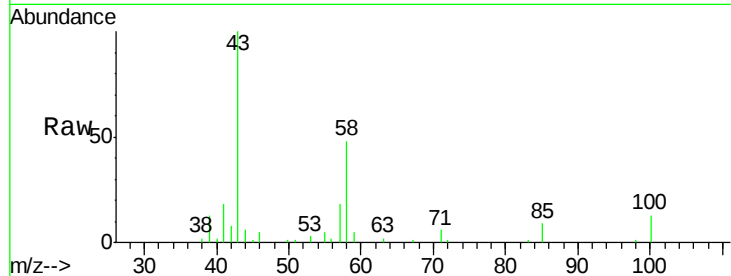




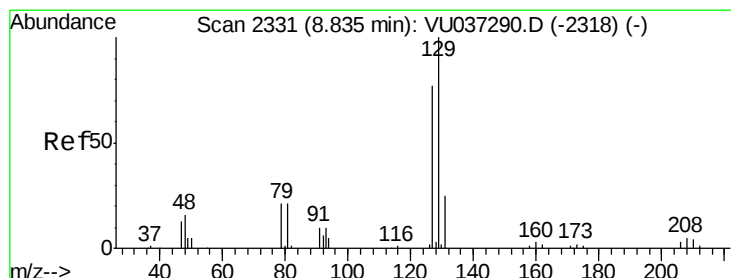
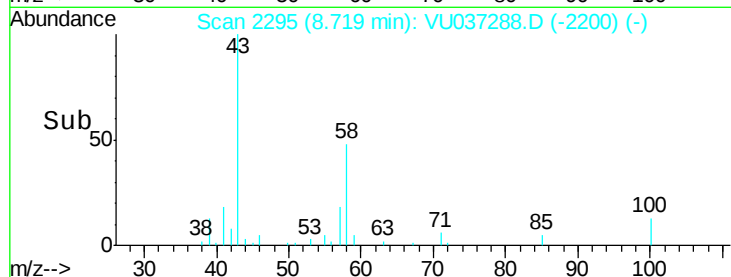
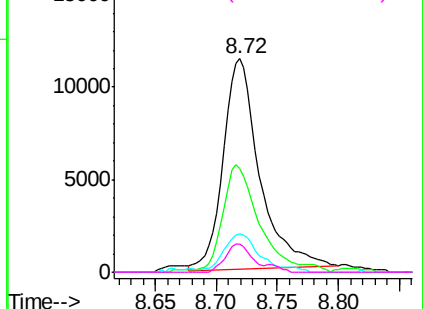
#48
2-Hexanone
Concen: 5.20 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VU037288.D
Acq: 16 Mar 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tgt Ion: 43 Resp: 23744
Ion Ratio Lower Upper
43 100
58 50.9 41.9 62.9
57 18.5 14.7 22.1
100 11.0 8.6 13.0

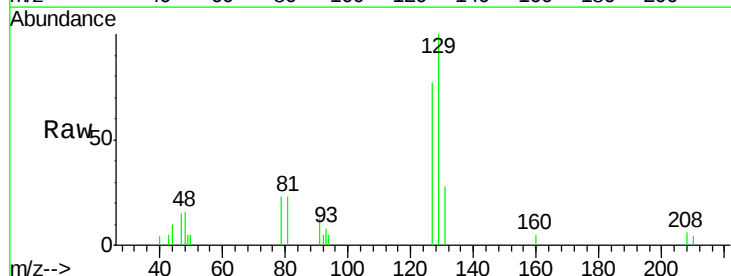


Abundance Ion 43.05 (42.75 to 43.75): VU037288.D (-2200) (-)
Ion 58.05 (57.75 to 58.75): VU037288.D (-2200) (-)
Ion 57.20 (56.90 to 57.90): VU037288.D (-2200) (-)
Ion 100.15 (99.85 to 100.85): VU037288.D (-2200) (-)

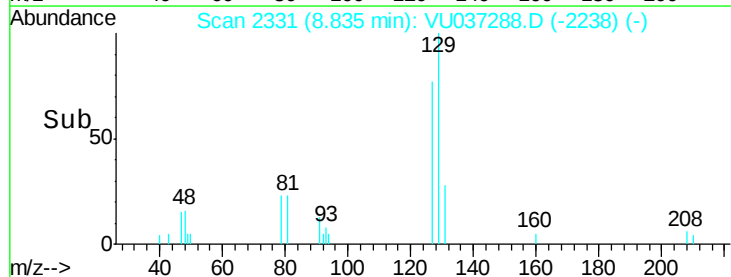
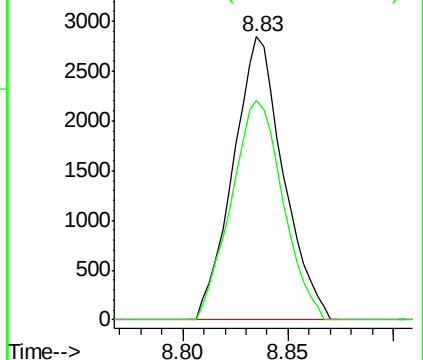


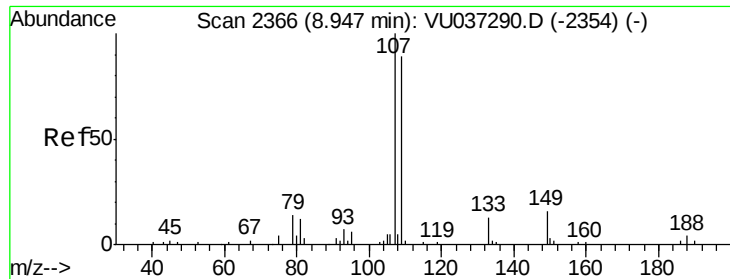
#49
Dibromochloromethane
Concen: 0.57 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037288.D
Acq: 16 Mar 2020 11:41

Tgt Ion: 129 Resp: 4692
Ion Ratio Lower Upper
129 100
127 77.5 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): VU037288.D (-2238) (-)
Ion 126.90 (126.60 to 127.60): VU037288.D (-2238) (-)

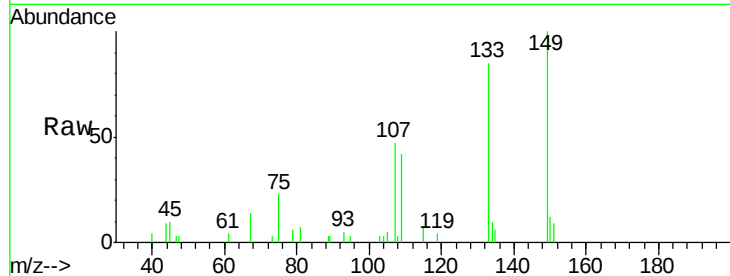




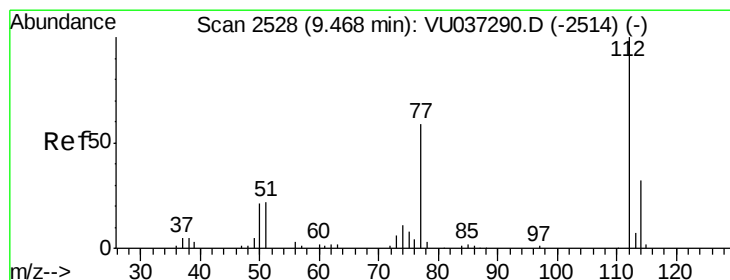
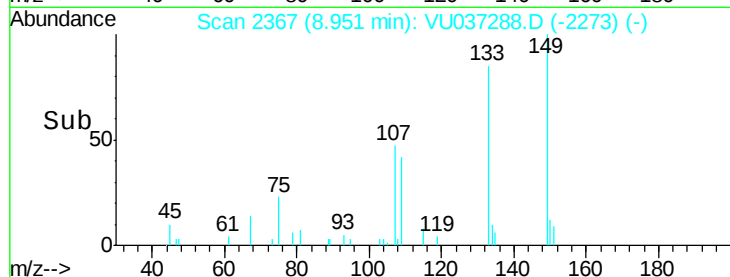
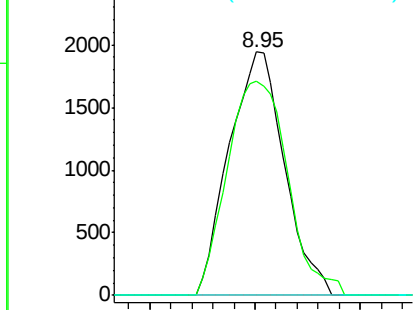
#50
1,2-Dibromoethane
Concen: 0.55 ug/L
RT: 8.95 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VU037288.D
Acq: 16 Mar 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tgt Ion:107 Resp: 3540
Ion Ratio Lower Upper
107 100
109 87.9 62.3 115.7
188 0.0 3.0 4.6#

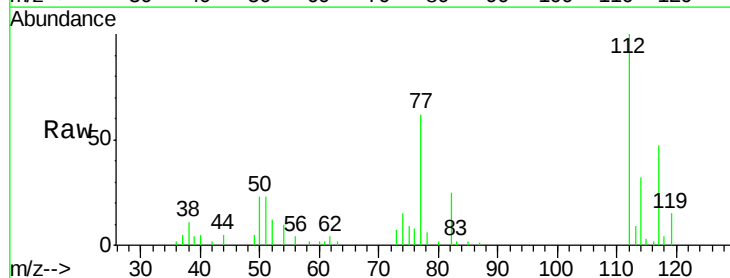


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

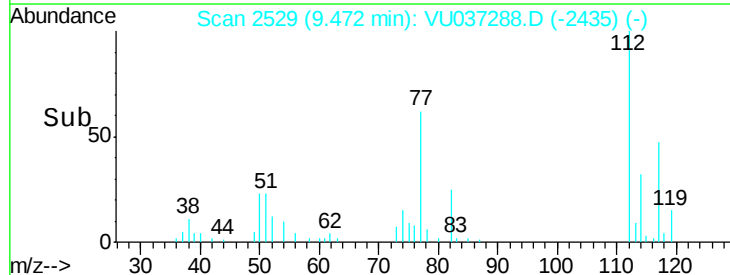
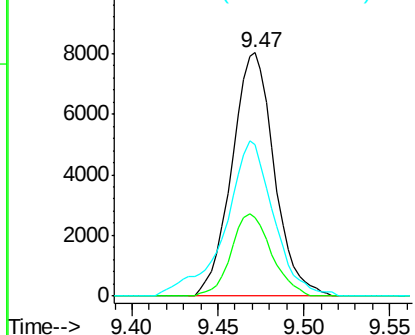


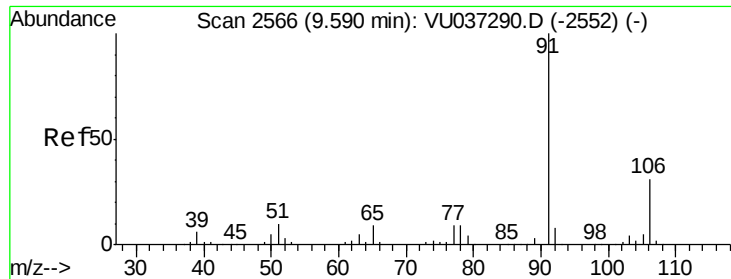
#51
Chlorobenzene
Concen: 0.56 ug/L
RT: 9.47 min Scan# 2529
Delta R.T. 0.00 min
Lab File: VU037288.D
Acq: 16 Mar 2020 11:41

Tgt Ion:112 Resp: 13786
Ion Ratio Lower Upper
112 100
114 32.2 22.1 41.1
77 62.4 47.8 71.6



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): V





#52

Ethylbenzene

Concen: 0.55 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

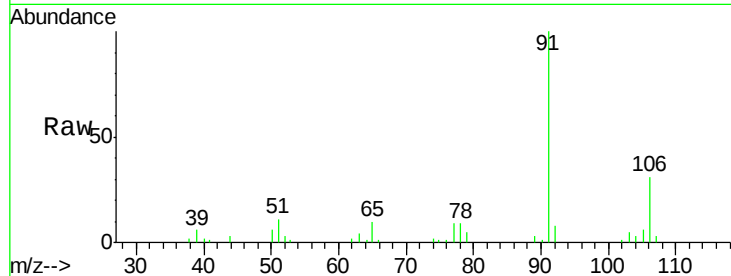
VSTD0.506

Tgt Ion: 91 Resp: 23185

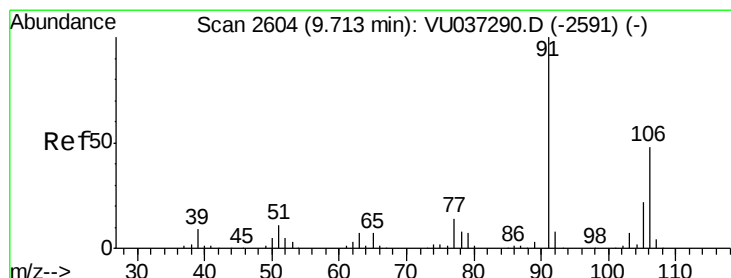
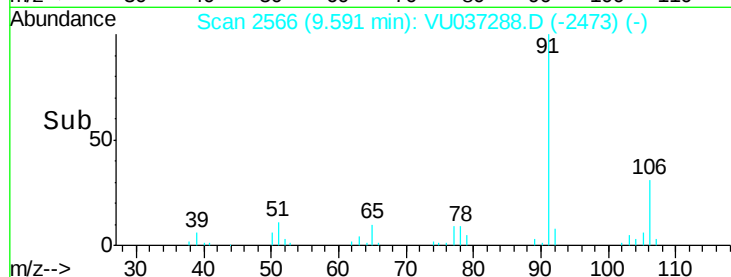
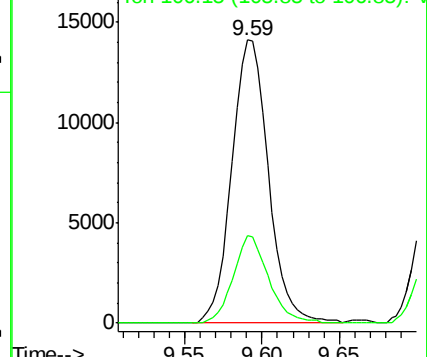
Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU037290.D (-2552) (-)



#53

m,p-Xylene

Concen: 0.56 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU037288.D

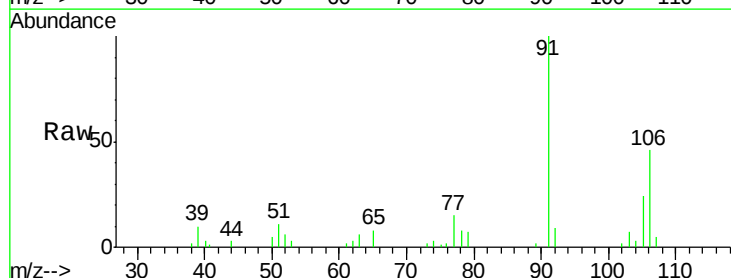
Acq: 16 Mar 2020 11:41

Tgt Ion: 106 Resp: 8457

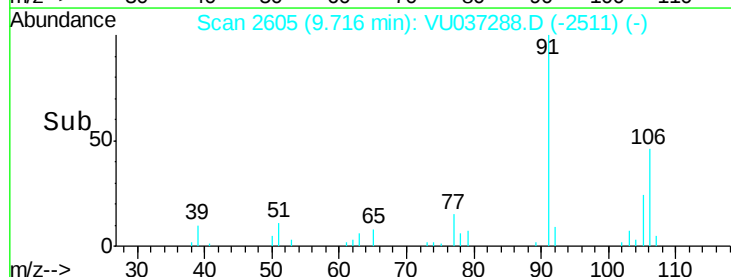
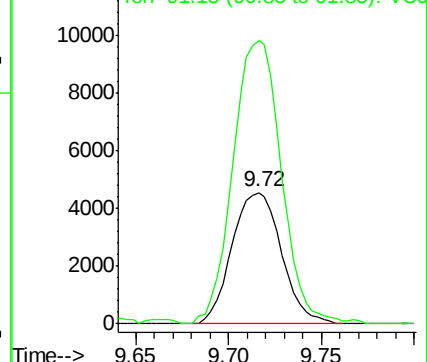
Ion Ratio Lower Upper

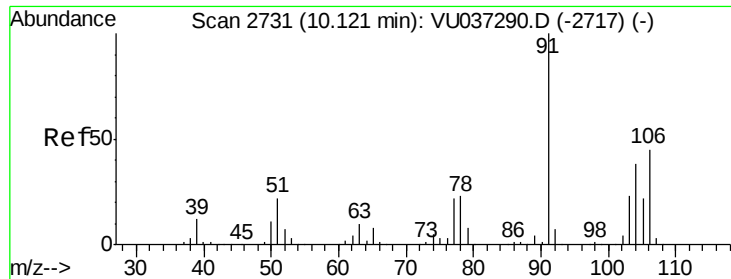
106 100

91 215.2 147.2 273.4



Abundance Ion 106.15 (105.85 to 106.85): VU037290.D (-2591) (-)

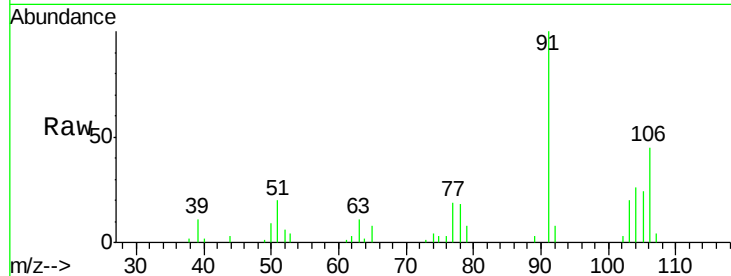




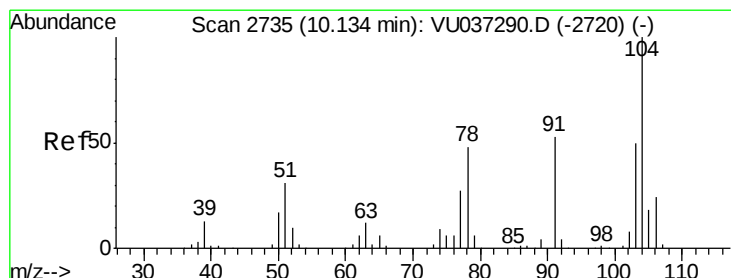
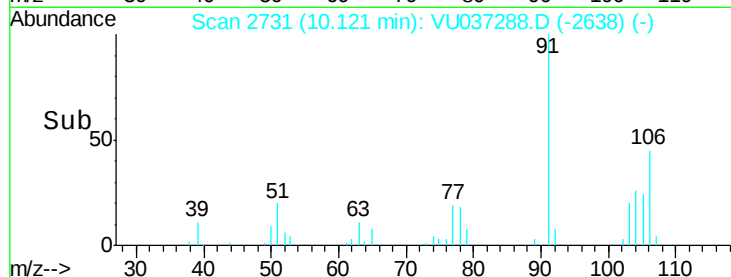
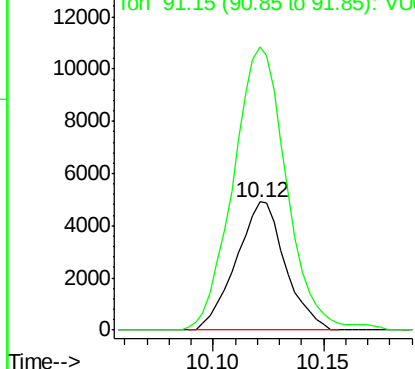
#54
o-Xylene
Concen: 0.51 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037288.D
Acq: 16 Mar 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tgt Ion:106 Resp: 7625
Ion Ratio Lower Upper
106 100
91 221.0 155.8 289.3

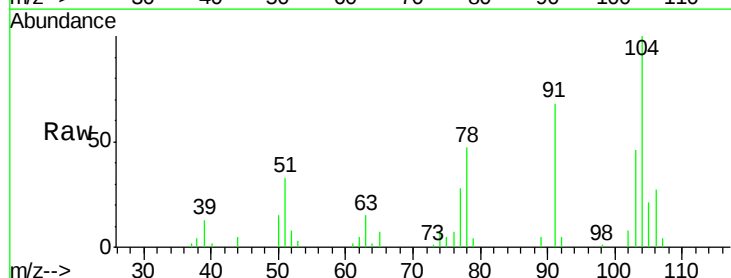


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

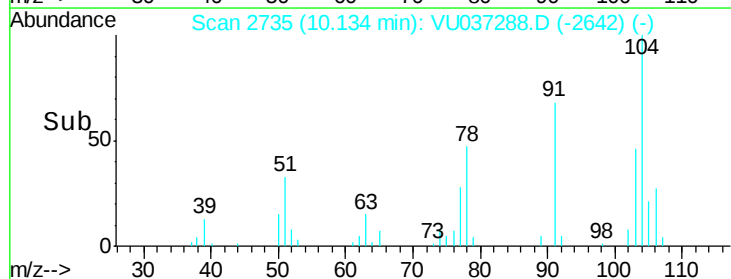
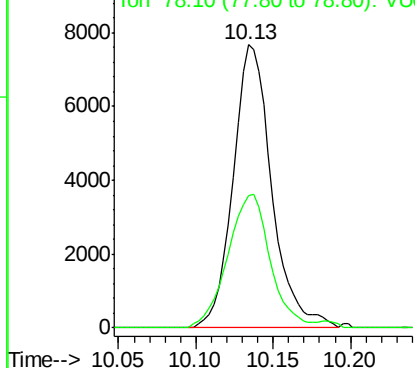


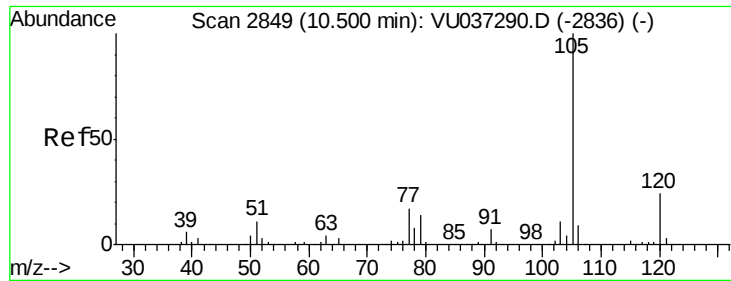
#55
Styrene
Concen: 0.55 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037288.D
Acq: 16 Mar 2020 11:41

Tgt Ion:104 Resp: 13291
Ion Ratio Lower Upper
104 100
78 46.8 33.6 62.4



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





#56

Isopropylbenzene

Concen: 0.56 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

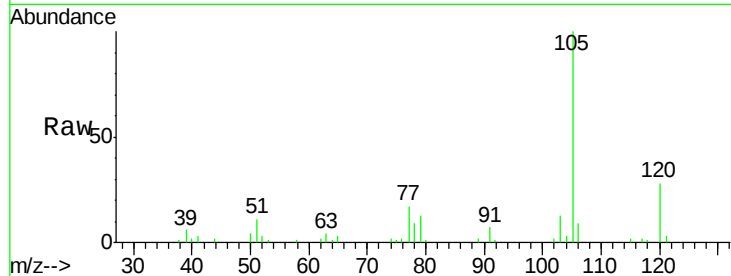
Tgt Ion: 105 Resp: 22216

Ion Ratio Lower Upper

105 100

120 25.7 20.2 30.2

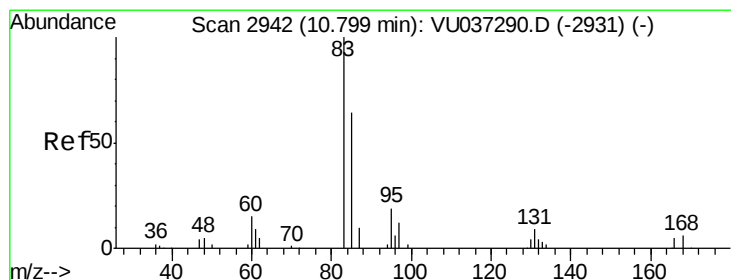
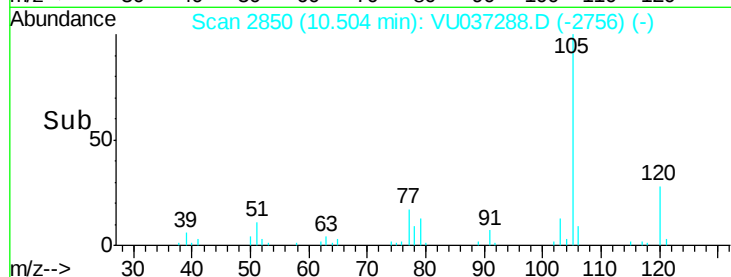
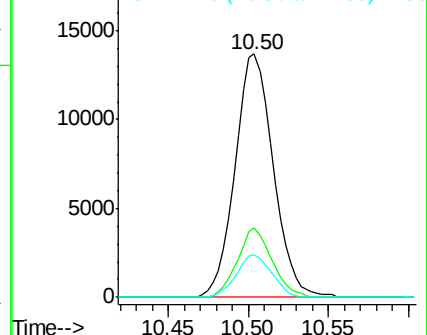
77 16.3 13.8 20.6



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: 0.63 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

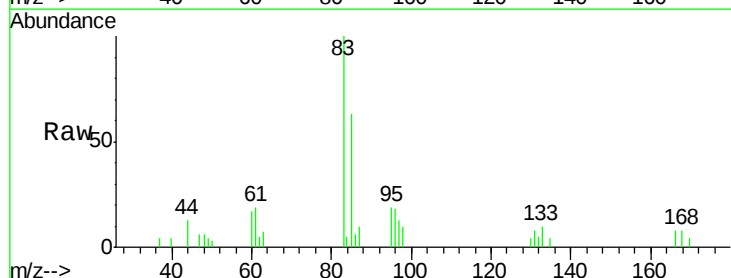
Tgt Ion: 83 Resp: 5258

Ion Ratio Lower Upper

83 100

85 63.4 45.9 85.3

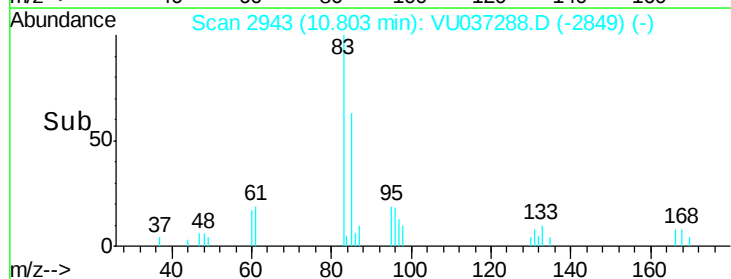
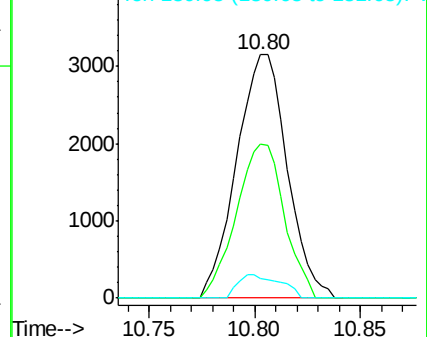
131 8.1 7.5 11.3

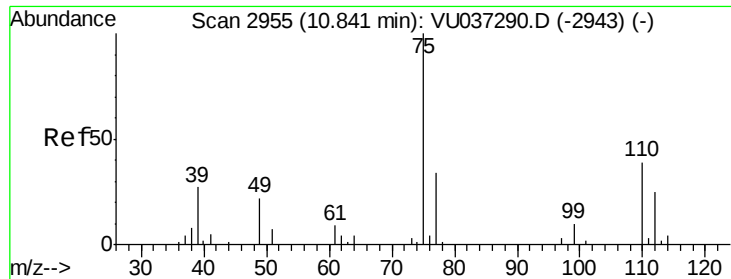


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

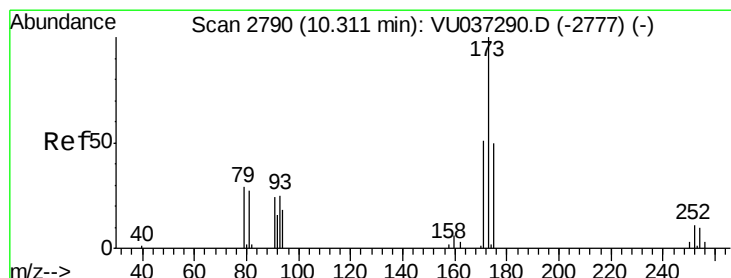
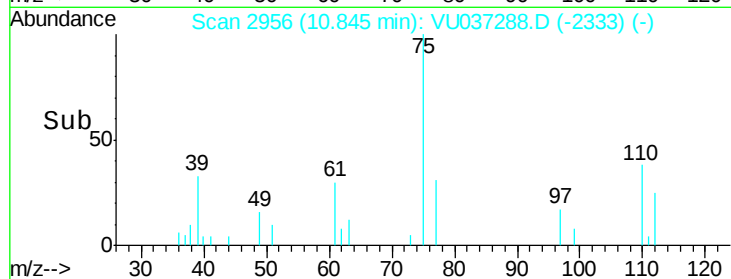
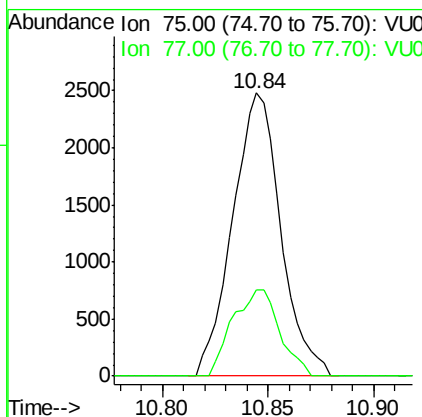
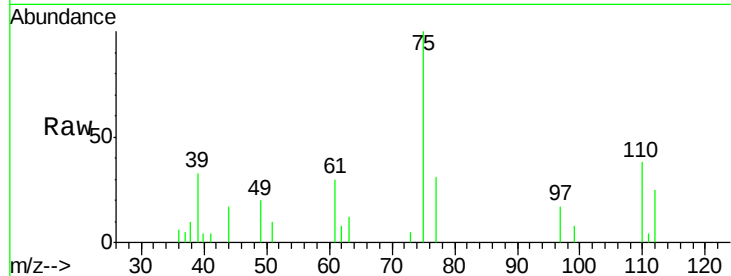




#59
 1,2,3-Trichloropropane
 Concen: 0.59 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. 0.00 min
 Lab File: VU037288.D
 Acq: 16 Mar 2020 11:41

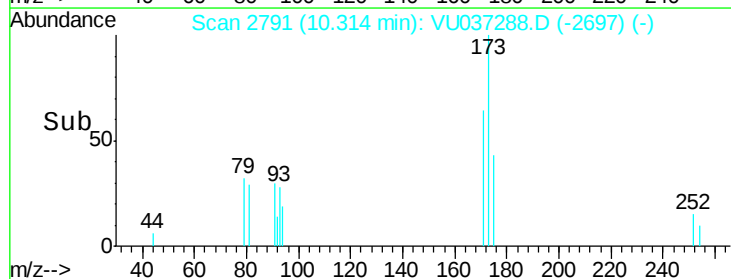
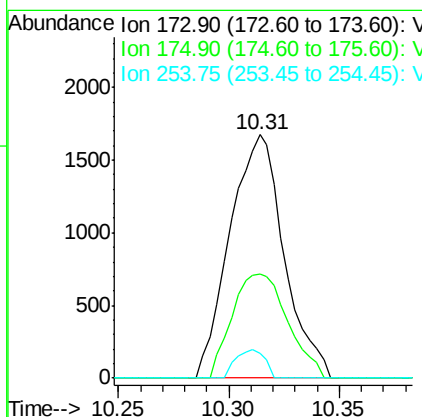
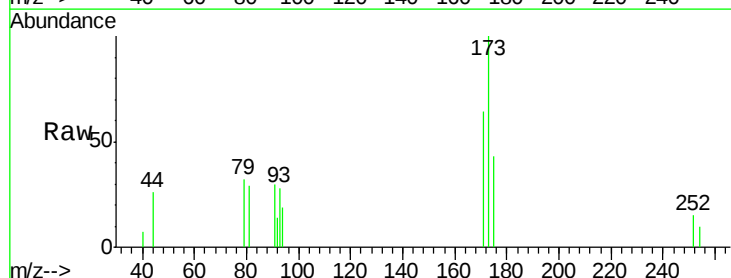
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

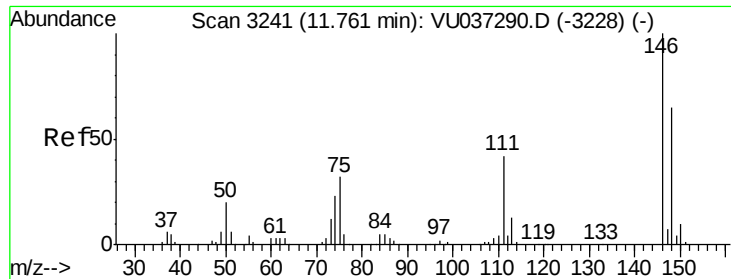
Tgt Ion: 75 Resp: 3943
 Ion Ratio Lower Upper
 75 100
 77 29.7 26.4 39.6



#61
 Bromoform
 Concen: 0.66 ug/L
 RT: 10.31 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VU037288.D
 Acq: 16 Mar 2020 11:41

Tgt Ion: 173 Resp: 2857
 Ion Ratio Lower Upper
 173 100
 175 43.8 38.2 57.2
 254 6.3 7.8 11.8#

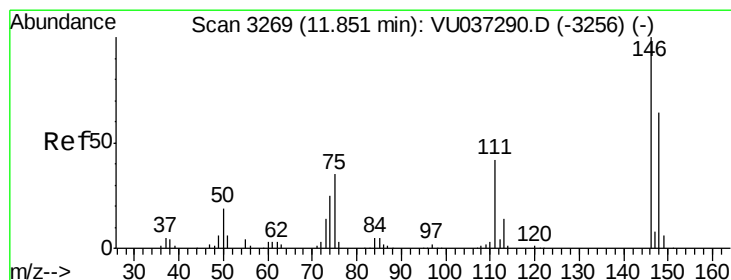
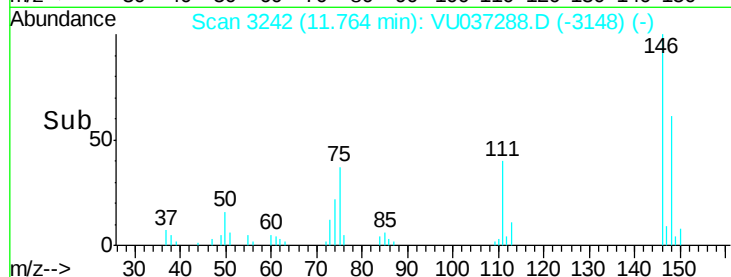
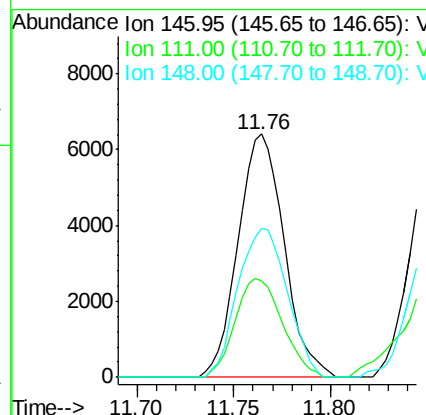
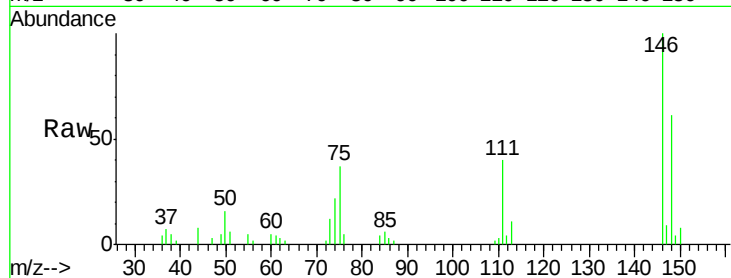




#62
 1,3-Dichlorobenzene
 Concen: 0.58 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VU037288.D
 Acq: 16 Mar 2020 11:41

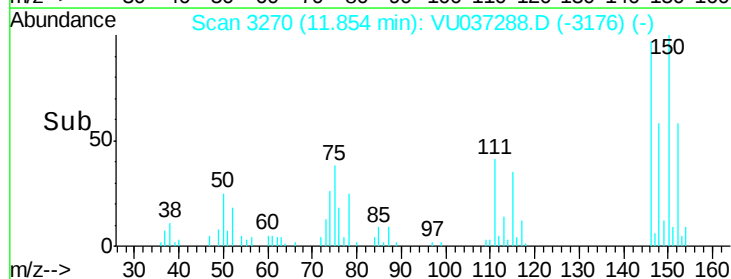
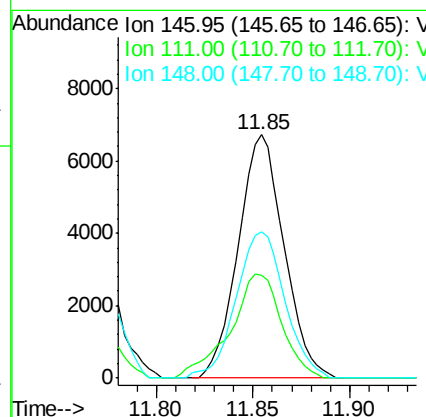
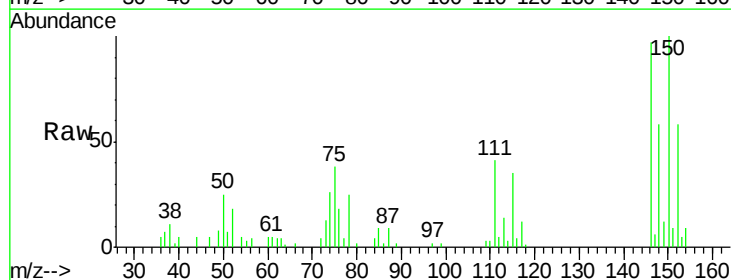
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

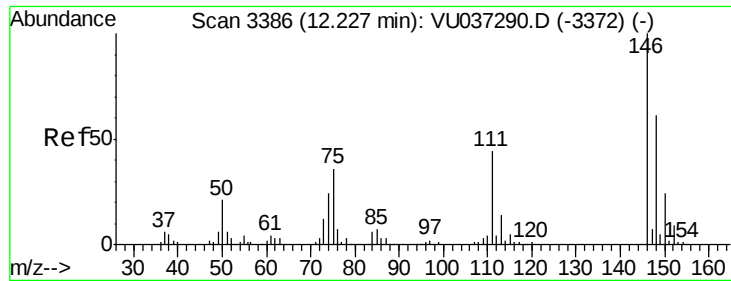
Tgt Ion:146 Resp: 10619
 Ion Ratio Lower Upper
 146 100
 111 39.6 29.6 55.0
 148 61.0 45.6 84.8



#63
 1,4-Dichlorobenzene
 Concen: 0.61 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037288.D
 Acq: 16 Mar 2020 11:41

Tgt Ion:146 Resp: 11066
 Ion Ratio Lower Upper
 146 100
 111 42.4 29.0 53.9
 148 60.3 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 0.65 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

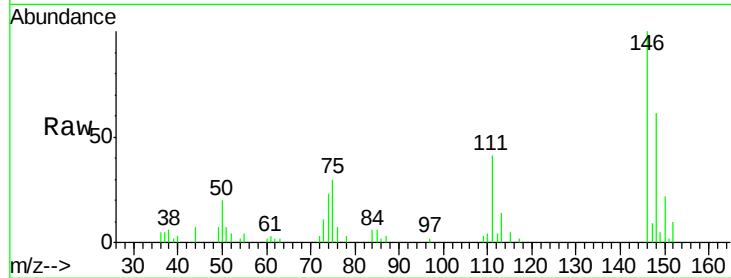
Tgt Ion:146 Resp: 11319

Ion Ratio Lower Upper

146 100

111 41.1 35.4 53.2

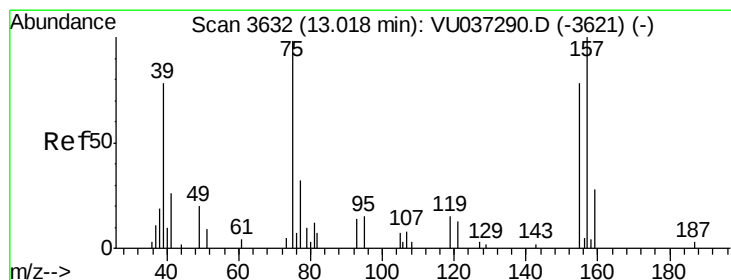
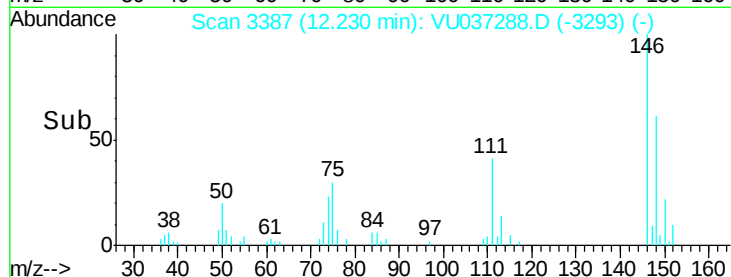
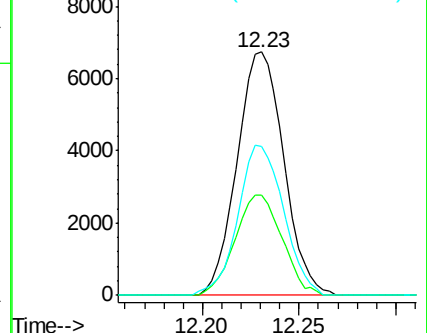
148 60.9 48.8 73.2



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: 0.61 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.01 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

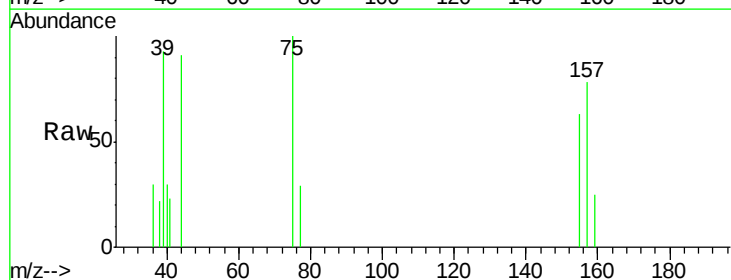
Tgt Ion: 75 Resp: 818

Ion Ratio Lower Upper

75 100

155 62.8 63.7 95.5#

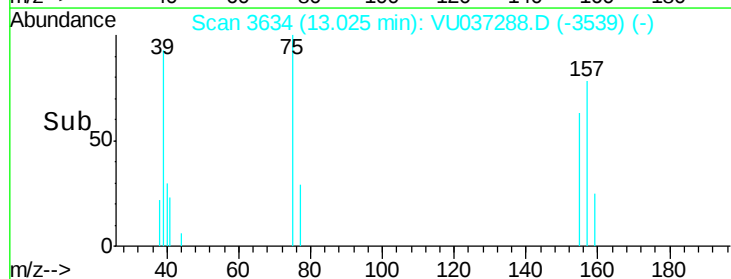
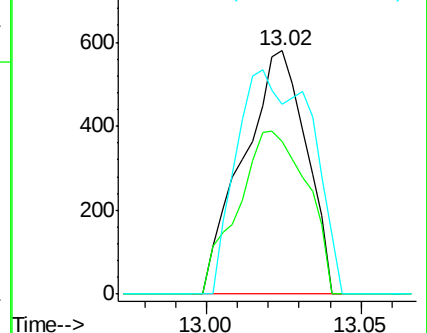
157 77.9 81.5 122.3#

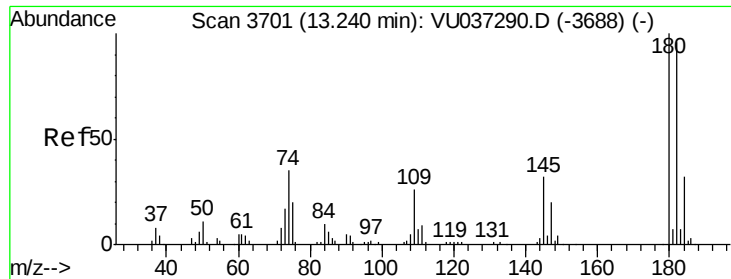


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

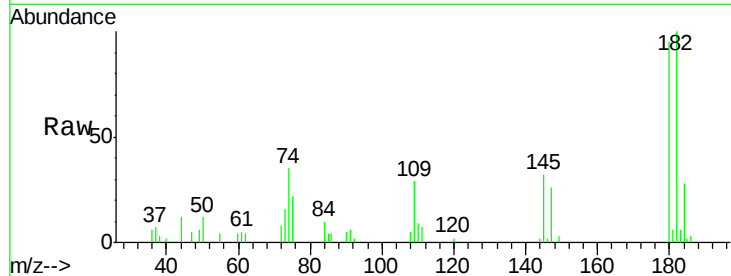




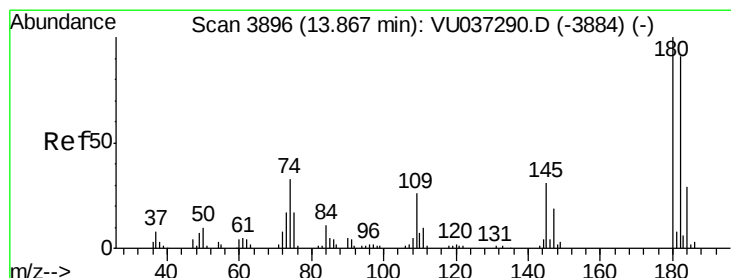
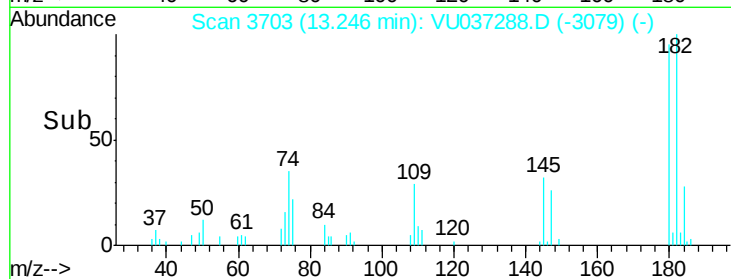
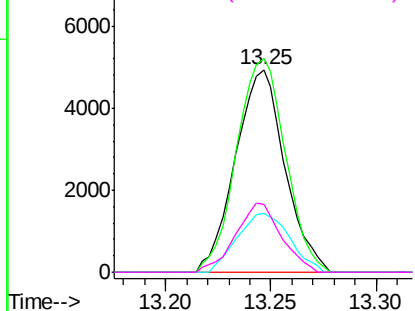
#67
 1,3,5-Trichlorobenzene
 Concen: 0.63 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU037288.D
 Acq: 16 Mar 2020 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tgt Ion:180 Resp: 8028
 Ion Ratio Lower Upper
 180 100
 182 104.7 76.2 114.4
 184 31.0 24.4 36.6
 145 31.6 24.6 36.8

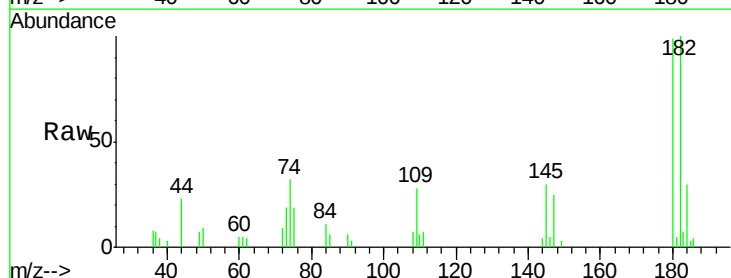


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

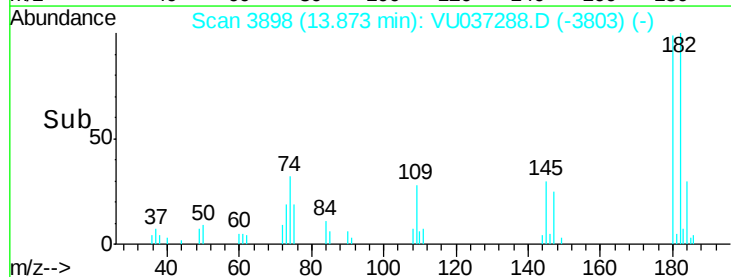
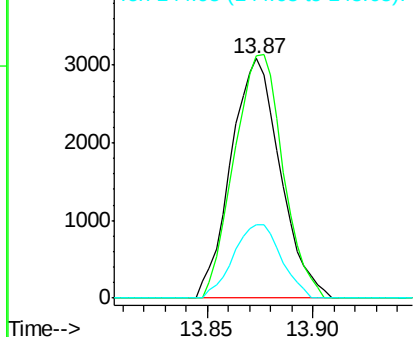


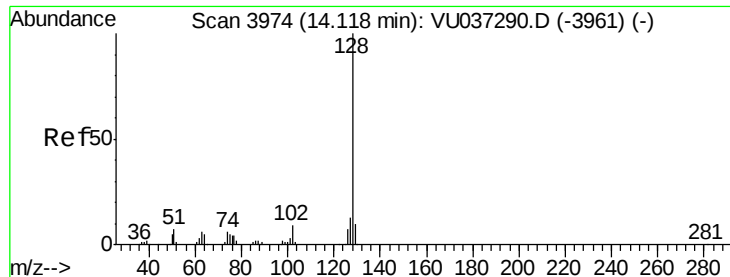
#68
 1,2,4-trichlorobenzene
 Concen: 0.57 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU037288.D
 Acq: 16 Mar 2020 11:41

Tgt Ion:180 Resp: 5016
 Ion Ratio Lower Upper
 180 100
 182 100.7 73.8 110.6
 145 29.8 24.6 36.8



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: 0.54 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

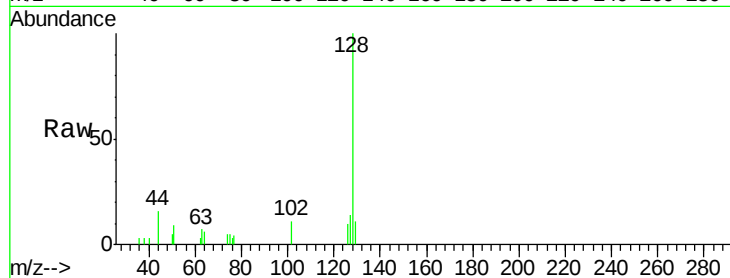
Tgt Ion:128 Resp: 6737

Ion Ratio Lower Upper

128 100

129 9.0 8.6 12.8

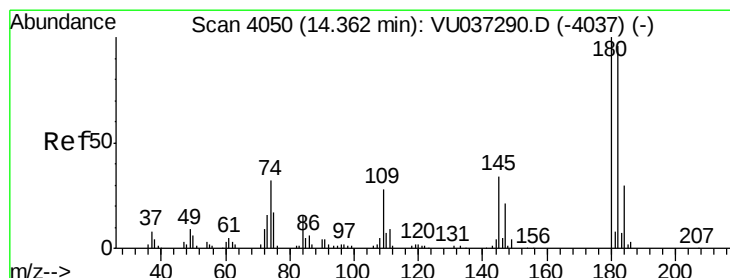
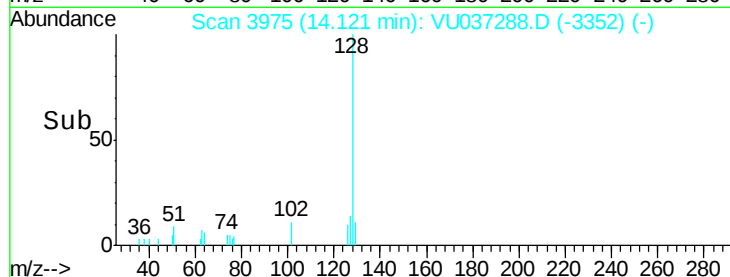
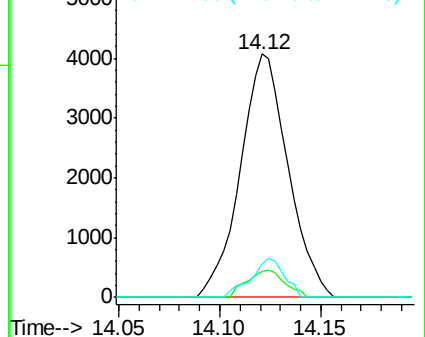
127 11.3 10.0 15.0



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: 0.66 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. 0.00 min

Lab File: VU037288.D

Acq: 16 Mar 2020 11:41

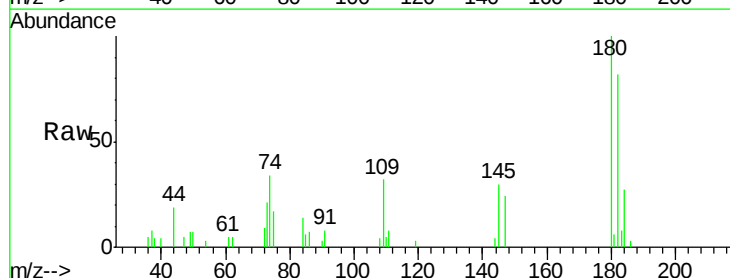
Tgt Ion:180 Resp: 5410

Ion Ratio Lower Upper

180 100

182 87.5 77.4 116.2

145 32.6 26.7 40.1



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

