

Data File : VU036548.D
Acq On : 24 Jan 2020 11:18
Operator : JC/MD
Sample : VSTD0.503
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5601

Quant Time: Jan 24 22:51:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 24 22:48:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	155848	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	145791	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	68504	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	4090	0.48	ug/L	0.00
7) Chloroethane-d5	1.93	69	3668	0.47	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	65	1610	0.45	ug/L	0.00
20) 2-Butanone-d5	4.70	46	7849	4.16	ug/L	0.00
24) Chloroform-d	5.11	84	7785	0.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	4128	0.50	ug/L	0.00
32) Benzene-d6	5.77	84	16521	0.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	4971	0.47	ug/L	0.00
41) Toluene-d8	7.93	98	15908	0.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	1857	0.43	ug/L	0.00
46) 2-Hexanone-d5	8.67	63	8571	4.26	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.78	84	4287	0.50	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.21	152	6024	0.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	5791	0.516 ug/L	95
3) Chloromethane	1.53	50	6283	0.537 ug/L	97
5) Vinyl chloride	1.62	62	6391	0.491 ug/L	99
6) Bromomethane	1.87	94	3588	0.473 ug/L	99
8) Chloroethane	1.95	64	4816	0.636 ug/L	93
9) Trichlorofluoromethane	2.16	101	7542	0.498 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4463	0.469 ug/L	97
12) 1,1-Dichloroethene	2.60	96	4670	0.503 ug/L	96
13) Acetone	2.68	43	7392	5.478 ug/L	90
14) Carbon disulfide	2.82	76	14202	0.489 ug/L	100
15) Methyl Acetate	3.00	43	2023	0.615 ug/L #	69
16) Methylene chloride	3.08	84	9109	0.864 ug/L	98
17) Methyl tert-butyl Ether	3.42	73	11398	0.482 ug/L	96
18) trans-1,2-Dichloroethene	3.39	96	4939	0.494 ug/L	94
19) 1,1-Dichloroethane	3.92	63	8784	0.504 ug/L	99
21) 2-Butanone	4.78	43	10678	4.735 ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	5640	0.509 ug/L	98
23) Bromochloromethane	5.02	128	2061	0.428 ug/L	94
25) Chloroform	5.13	83	8449	0.489 ug/L	99
27) 1,2-Dichloroethane	5.84	62	5402	0.498 ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	7244	0.510 ug/L	97
30) Cyclohexane	5.43	56	8302	0.509 ug/L	96
31) Carbon tetrachloride	5.56	117	6015	0.487 ug/L	96
33) Benzene	5.81	78	20073	0.499 ug/L	100
34) Trichloroethene	6.57	95	5243	0.488 ug/L	94
35) Methylcyclohexane	6.80	83	8776	0.477 ug/L	97
37) 1,2-Dichloropropane	6.83	63	4820	0.467 ug/L #	93
38) Bromodichloromethane	7.14	83	5856	0.469 ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	7424	0.476 ug/L	98
40) 4-Methyl-2-pentanone	7.83	43	28301	5.007 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	22608	0.507	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	5302	0.438	ug/L	84
45) 1,1,2-Trichloroethane	8.43	97	3659	0.479	ug/L	92
47) Tetrachloroethene	8.58	164	4237	0.489	ug/L	91
48) 2-Hexanone	8.73	43	18531	4.642	ug/L	100
49) Dibromochloromethane	8.84	129	3907	0.452	ug/L	97
50) 1,2-Dibromoethane	8.95	107	3547	0.491	ug/L #	95
51) Chlorobenzene	9.47	112	14312	0.499	ug/L	97
52) Ethylbenzene	9.60	91	23705	0.485	ug/L	99
53) m,p-Xylene	9.72	106	9061	0.474	ug/L	92
54) o-Xylene	10.12	106	9150	0.495	ug/L	98
55) Styrene	10.14	104	14382	0.467	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.81	83	4735	0.506	ug/L	94
59) Bromoform	10.32	173	2234	0.491	ug/L #	93
60) Isopropylbenzene	10.51	105	23261	0.517	ug/L	98
61) 1,2,3-Trichloropropane	10.85	75	3349	0.545	ug/L	97
62) 1,3,5-Trimethylbenzene	11.11	105	19505	0.503	ug/L	99
63) 1,2,4-Trimethylbenzene	11.49	105	19045	0.491	ug/L	98
64) 1,3-Dichlorobenzene	11.77	146	10640	0.506	ug/L	94
65) 1,4-Dichlorobenzene	11.86	146	11041	0.532	ug/L	97
67) 1,2-Dichlorobenzene	12.23	146	10664	0.536	ug/L	96
68) 1,2-Dibromo-3-chloropropan	13.01	75	617	0.465	ug/L #	82
69) 1,3,5-Trichlorobenzene	13.24	180	7626	0.458	ug/L	99
70) 1,2,4-trichlorobenzene	13.86	180	4658	0.378	ug/L	97
71) Naphthalene	14.10	128	5113	0.286	ug/L	97
72) 1,2,3-Trichlorobenzene	14.35	180	4286	0.385	ug/L	96

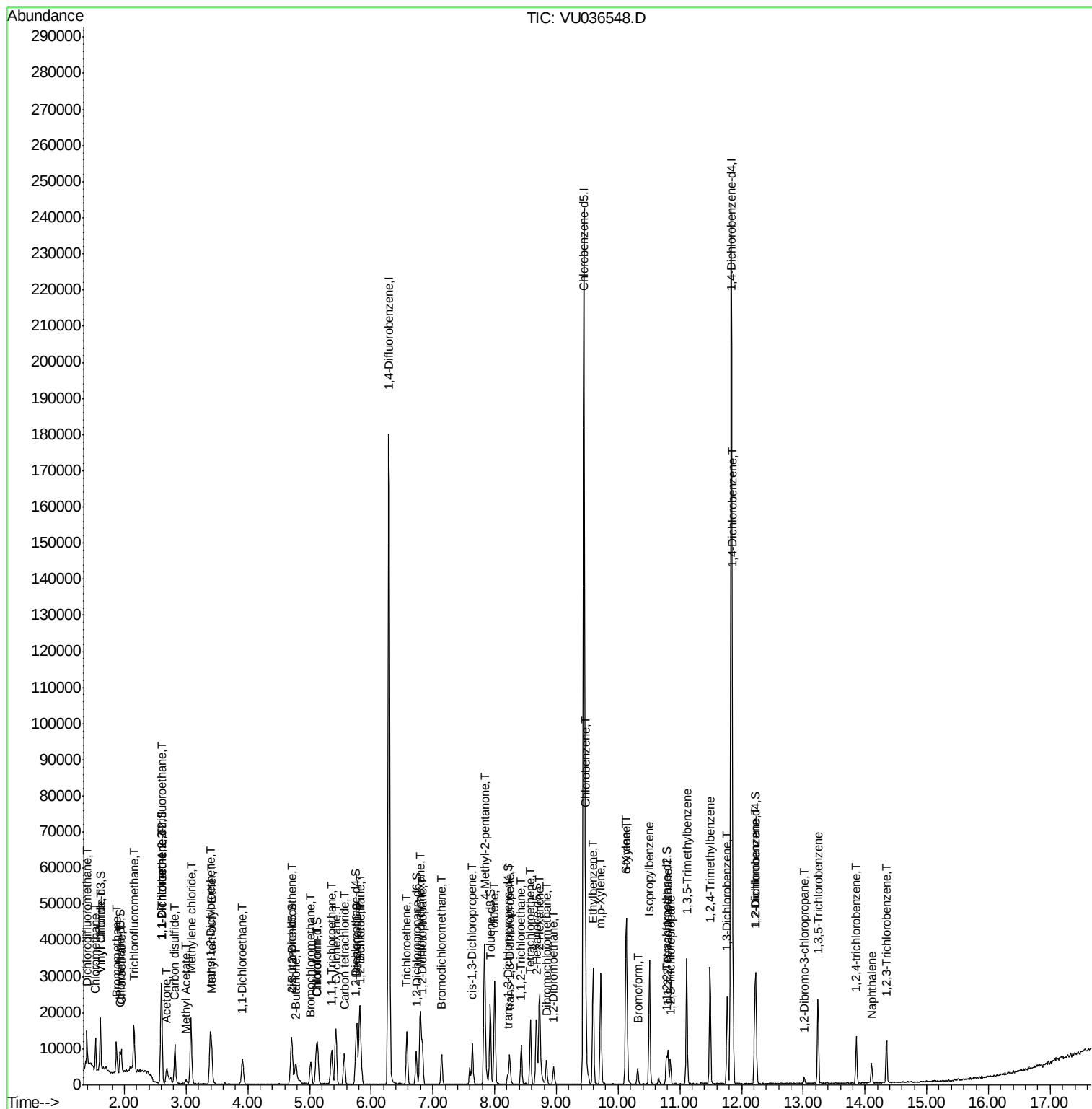
(#) = qualifier out of range (m) = manual integration (+) = signals summed

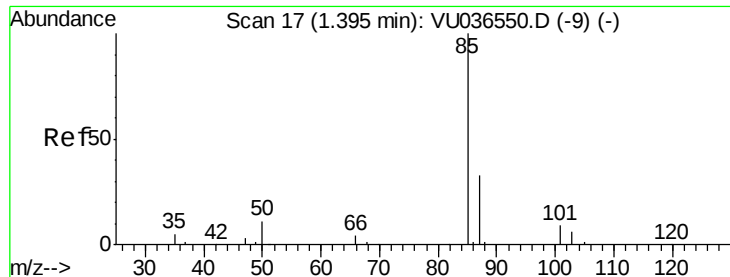
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#2

Dichlorodifluoromethane

Concen: 0.516 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036548.D

Acq: 24 Jan 2020 11:18

Instrument :

MSVOA_U

ClientSampleId :

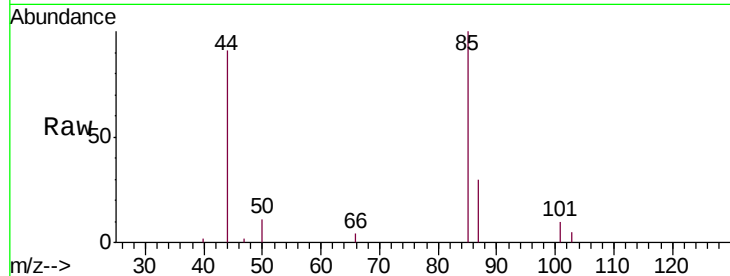
VSTD0.5601

Tgt Ion: 85 Resp: 5791

Ion Ratio Lower Upper

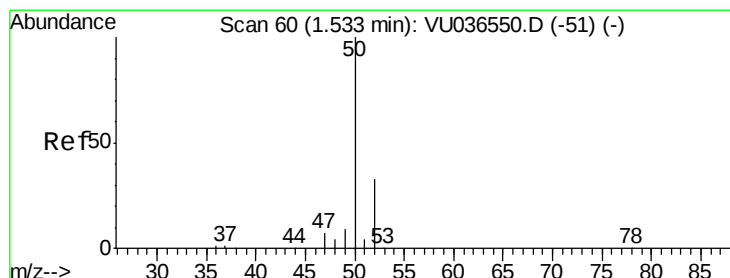
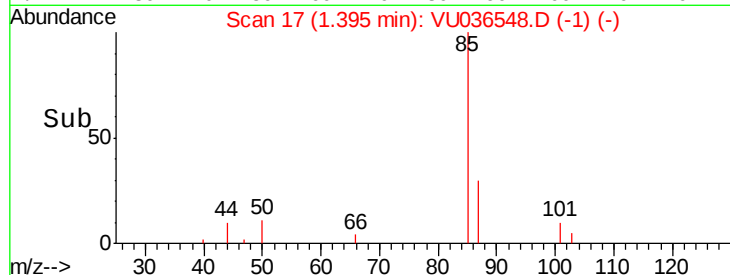
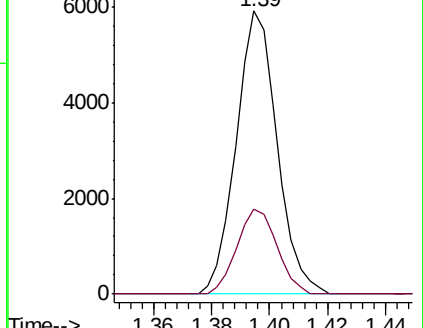
85 100

87 29.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU036550.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036550.D (-9) (-)



#3

Chloromethane

Concen: 0.537 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU036548.D

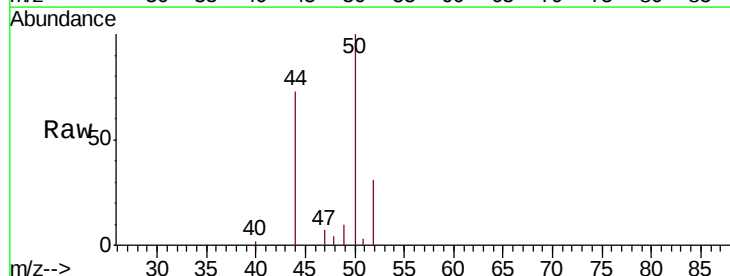
Acq: 24 Jan 2020 11:18

Tgt Ion: 50 Resp: 6283

Ion Ratio Lower Upper

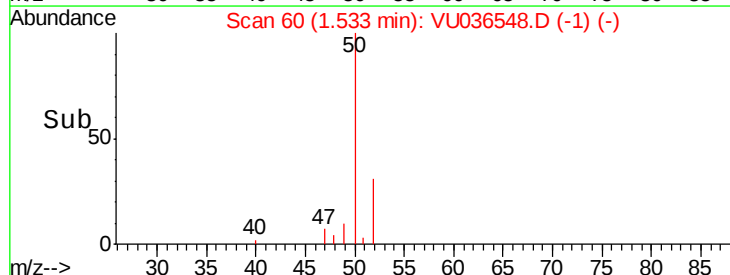
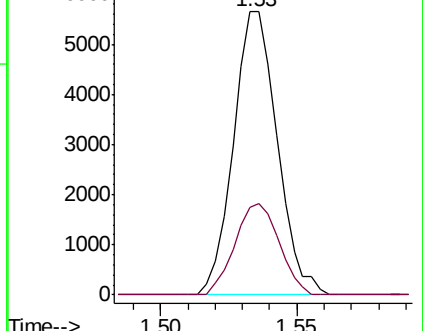
50 100

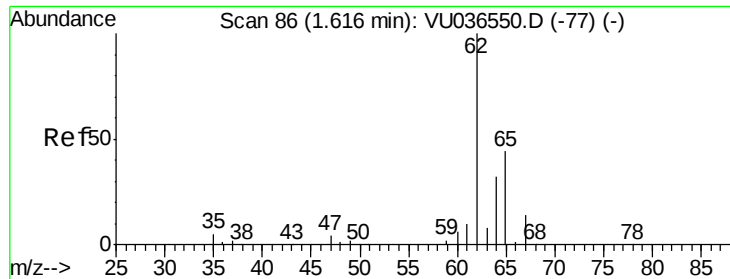
52 30.9 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU036550.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU036550.D (-51) (-)

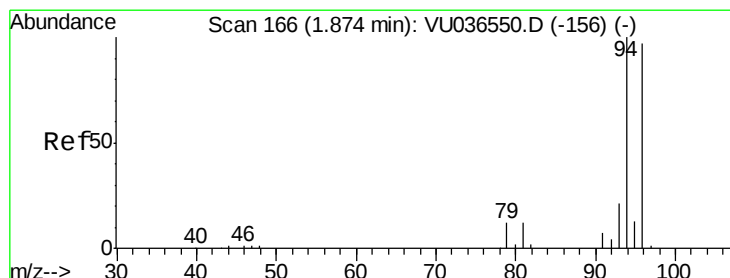
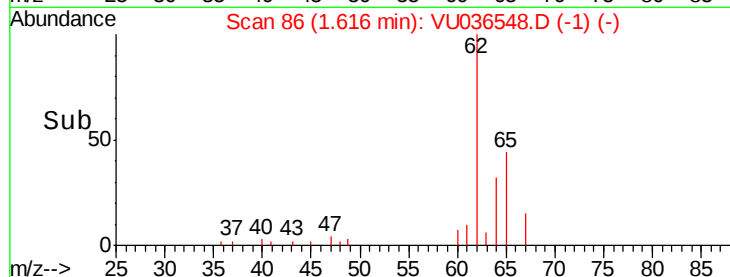
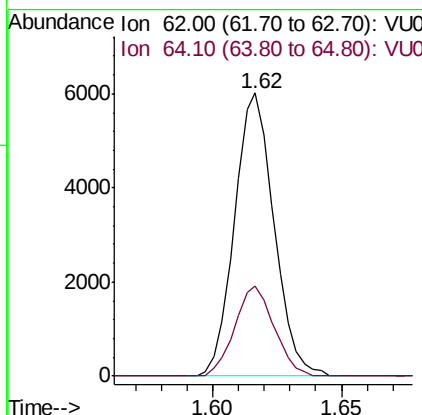
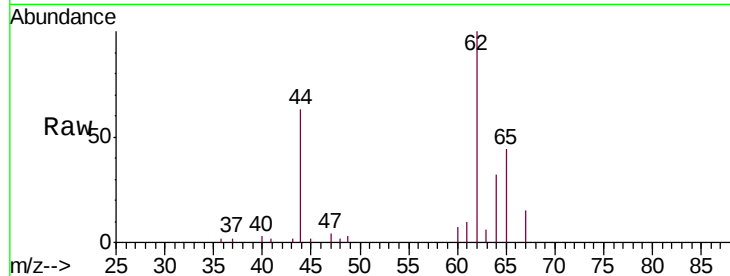




#5
 Vinyl chloride
 Concen: 0.491 ug/L
 RT: 1.62 min Scan# 86
 Delta R.T. 0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

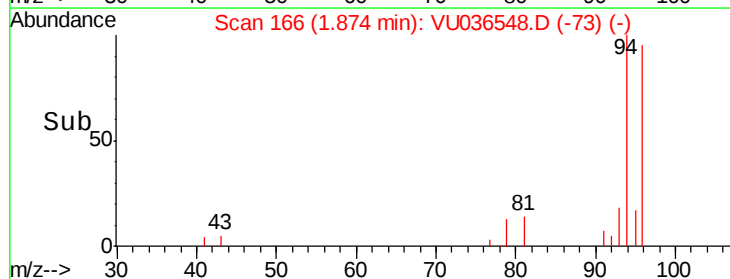
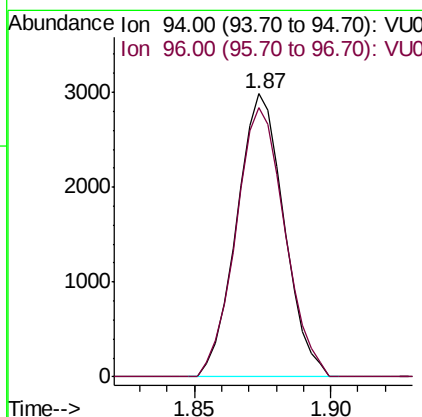
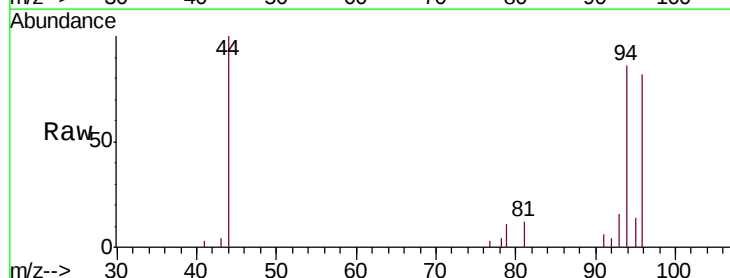
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5601

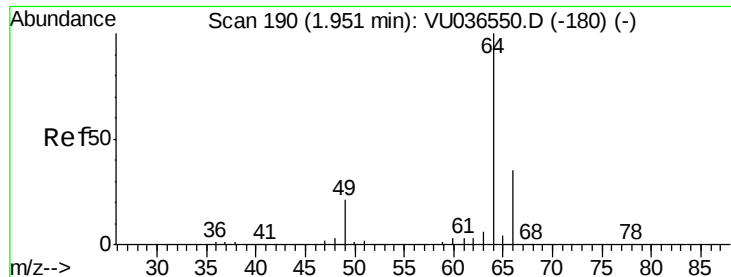
Tgt Ion: 62 Resp: 6391
 Ion Ratio Lower Upper
 62 100
 64 31.7 22.6 42.0



#6
 Bromomethane
 Concen: 0.473 ug/L
 RT: 1.87 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

Tgt Ion: 94 Resp: 3588
 Ion Ratio Lower Upper
 94 100
 96 95.3 67.6 125.6





#8

Chloroethane

Concen: 0.636 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036548.D

Acq: 24 Jan 2020 11:18

Instrument :

MSVOA_U

ClientSampleId :

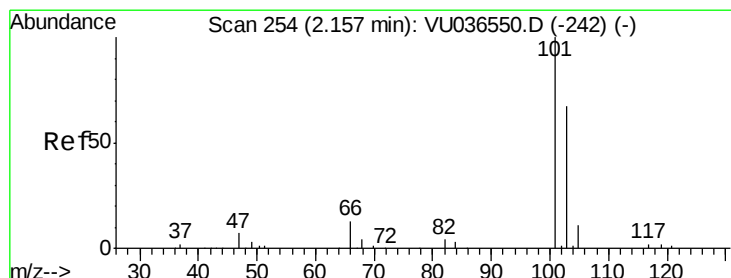
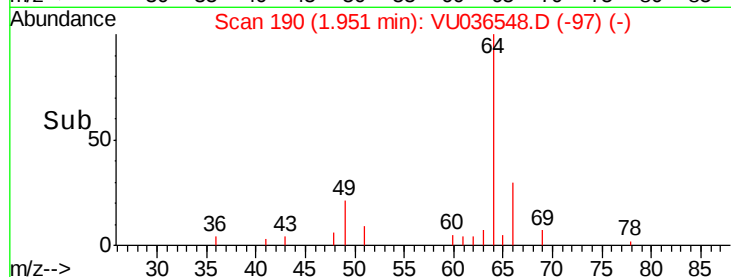
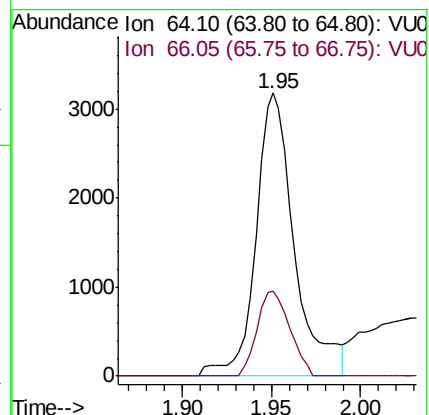
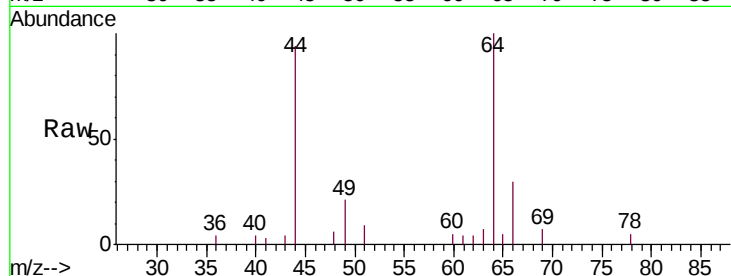
VSTD0.5601

Tgt Ion: 64 Resp: 4816

Ion Ratio Lower Upper

64 100

66 30.2 24.1 44.8



#9

Trichlorofluoromethane

Concen: 0.498 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036548.D

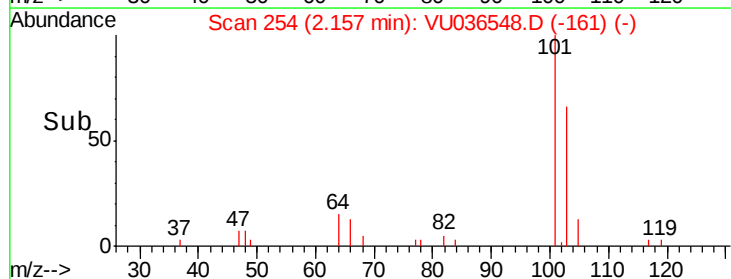
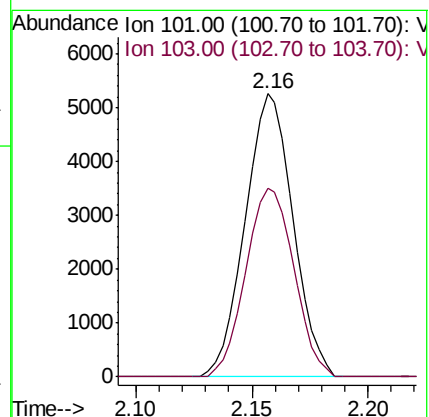
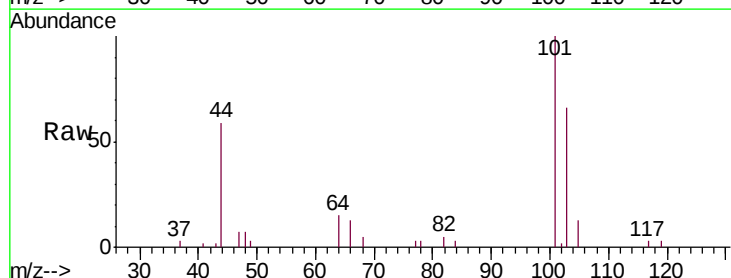
Acq: 24 Jan 2020 11:18

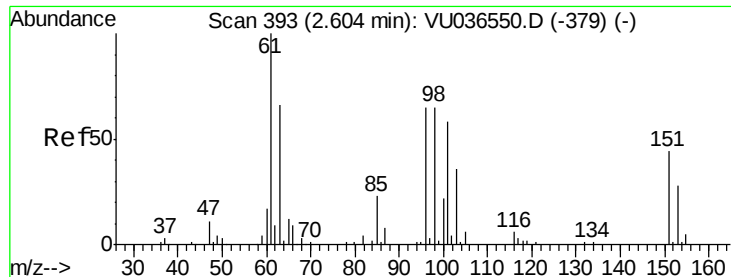
Tgt Ion: 101 Resp: 7542

Ion Ratio Lower Upper

101 100

103 67.0 52.5 78.7





#10

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

Concen: 0.469 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036548.D

Acq: 24 Jan 2020 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5601

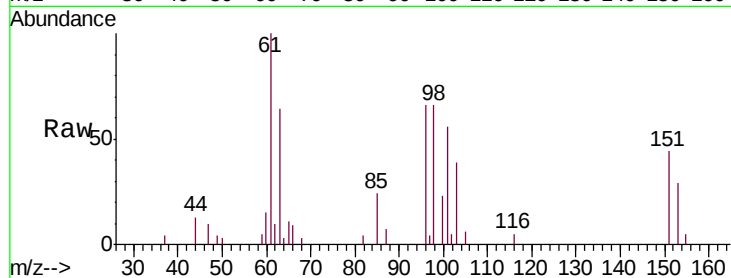
Tgt Ion:101 Resp: 4463

Ion Ratio Lower Upper

101 100

85 44.6 32.2 48.4

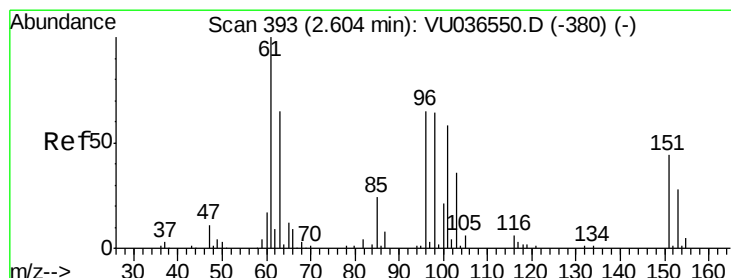
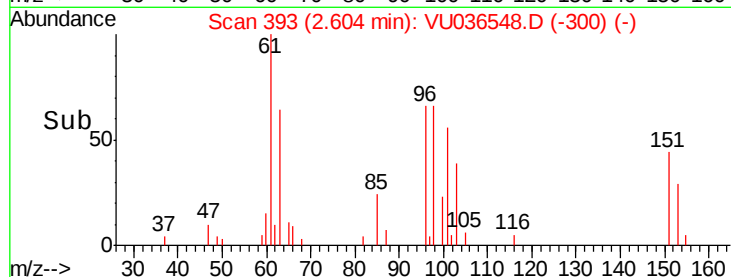
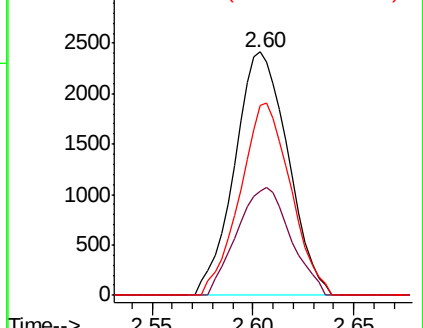
151 74.9 59.2 88.8



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: 0.503 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036548.D

Acq: 24 Jan 2020 11:18

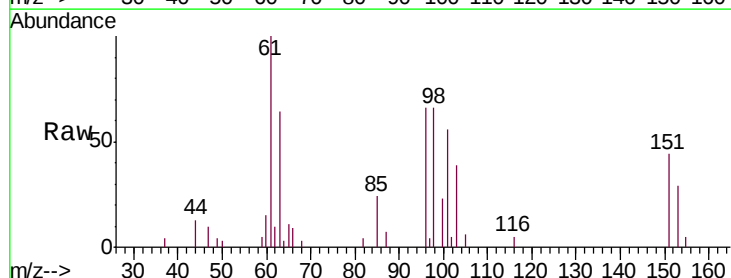
Tgt Ion: 96 Resp: 4670

Ion Ratio Lower Upper

96 100

61 150.6 108.2 201.0

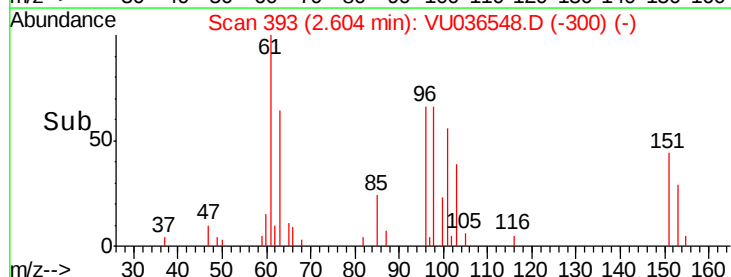
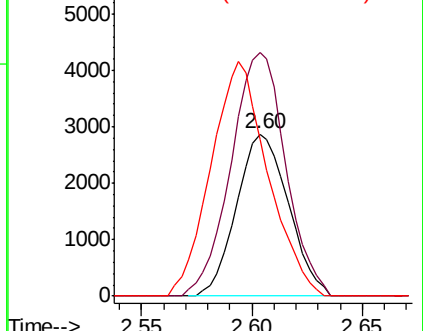
63 96.6 72.0 133.8

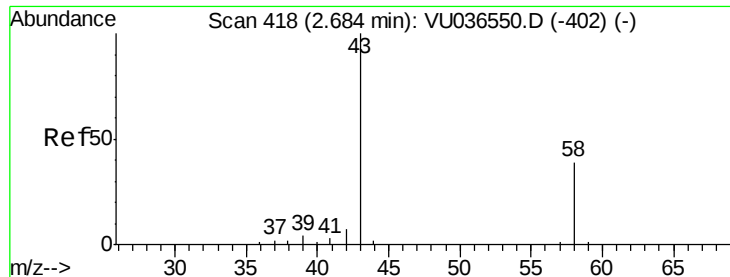


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.478 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.00 min

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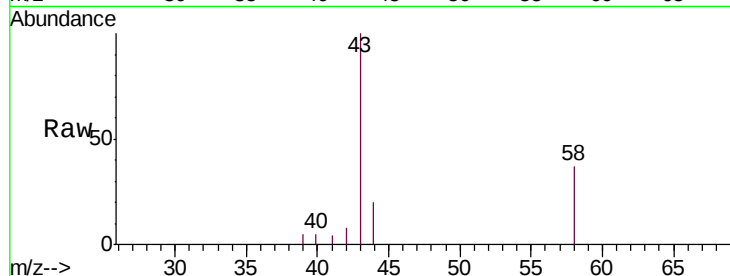
VSTD0.5601

Tgt Ion: 43 Resp: 7392

Ion Ratio Lower Upper

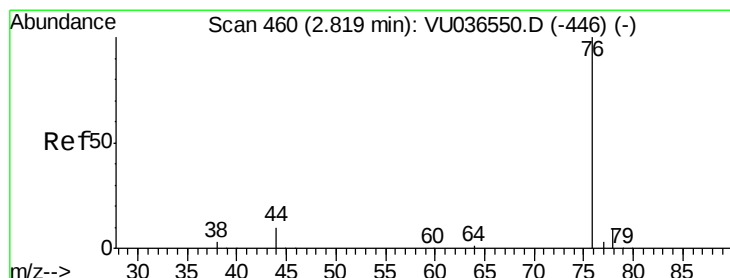
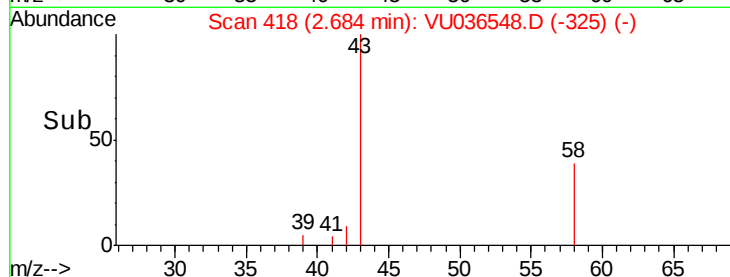
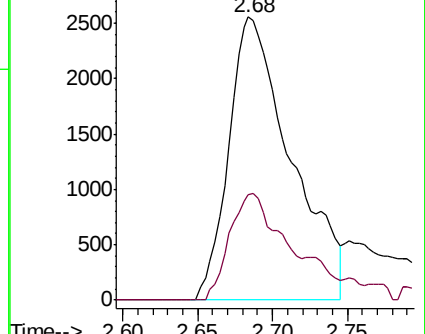
43 100

58 30.8 0.0 74.0



Abundance Ion 43.05 (42.75 to 43.75): VU036550.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU036550.D (-402) (-)



#14

Carbon disulfide

Concen: 0.489 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036548.D

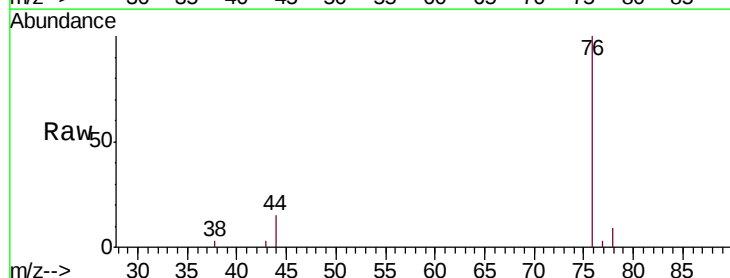
Acq: 24 Jan 2020 11:18

Tgt Ion: 76 Resp: 14202

Ion Ratio Lower Upper

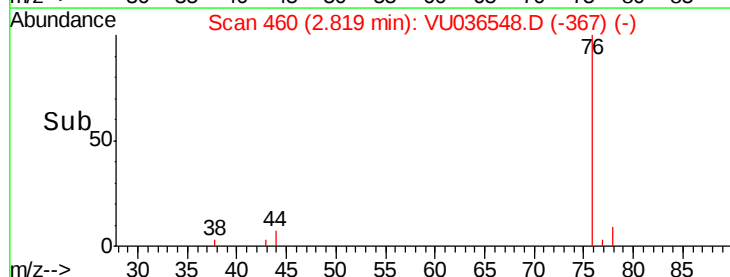
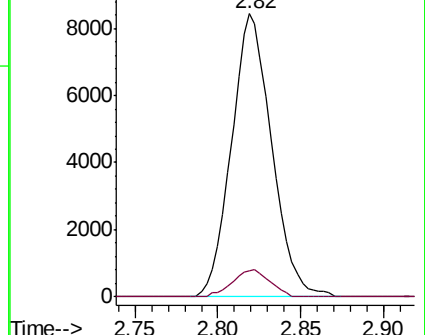
76 100

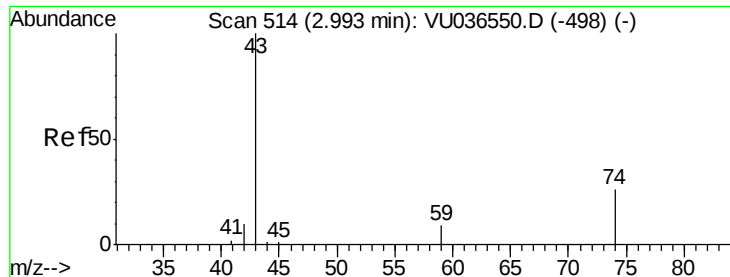
78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU036550.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU036550.D (-446) (-)





#15

Methyl Acetate

Concen: 0.615 ug/L

RT: 3.00 min Scan# 515

Delta R.T. 0.00 min

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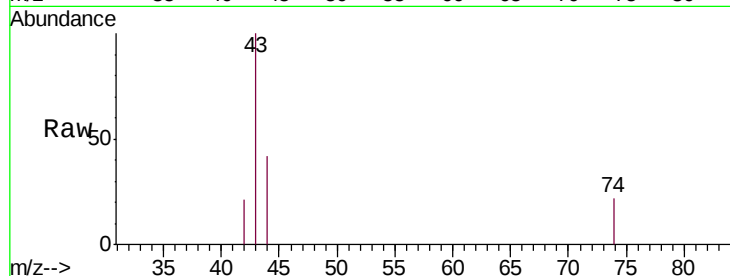
VSTD0.5601

Tgt Ion: 43 Resp: 2023

Ion Ratio Lower Upper

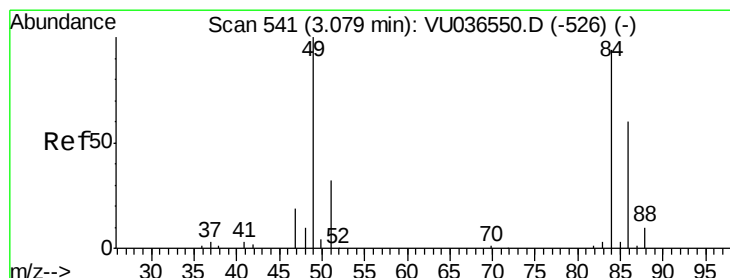
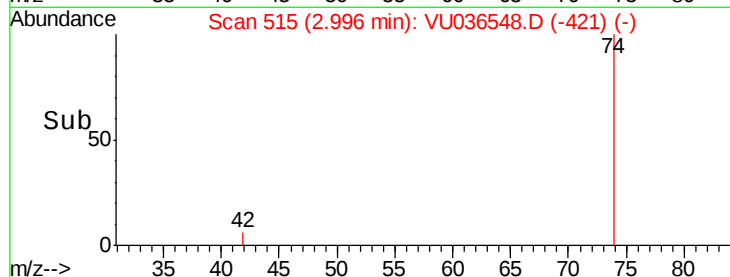
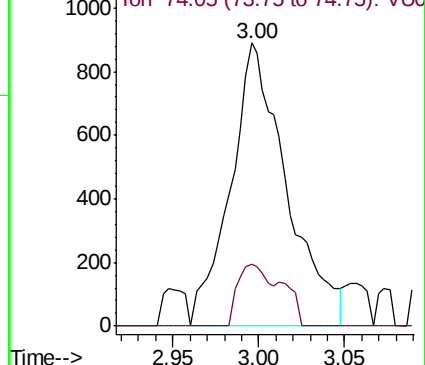
43 100

74 12.1 22.7 34.1#



Abundance Ion 43.05 (42.75 to 43.75): VU036548.D (-421) (-)

Ion 74.05 (73.75 to 74.75): VU036548.D (-421) (-)



#16

Methylene chloride

Concen: 0.864 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU036548.D

Acq: 24 Jan 2020 11:18

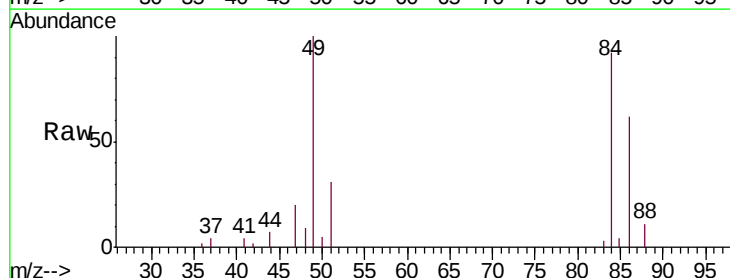
Tgt Ion: 84 Resp: 9109

Ion Ratio Lower Upper

84 100

86 66.9 44.8 83.2

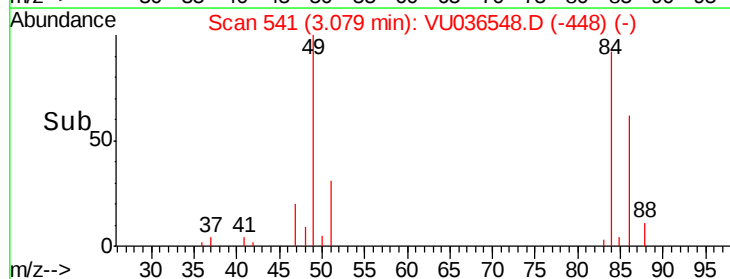
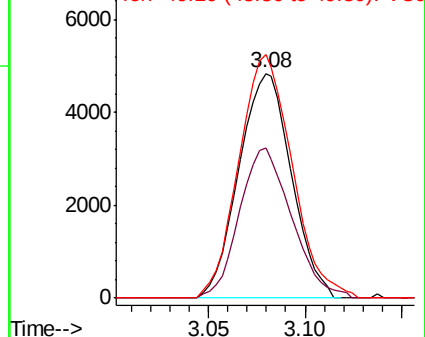
49 108.4 74.8 139.0

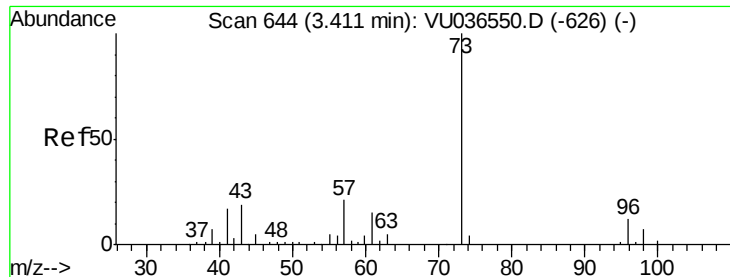


Abundance Ion 84.05 (83.75 to 84.75): VU036548.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU036548.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU036548.D (-448) (-)

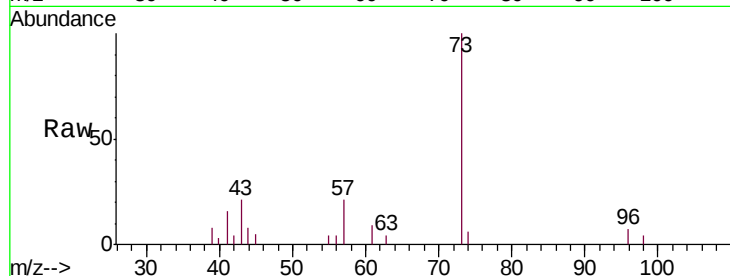




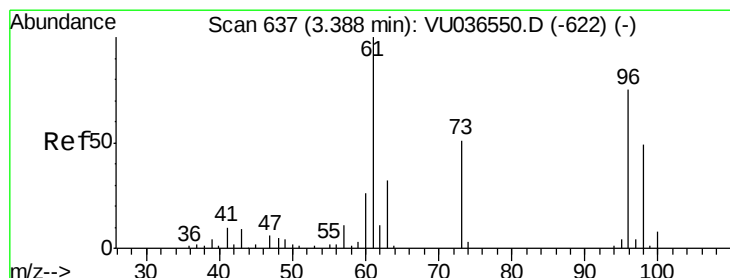
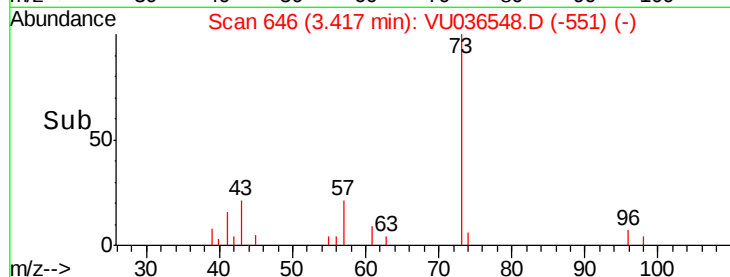
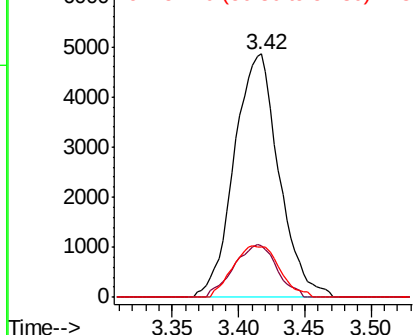
#17
Methyl tert-butyl Ether
Concen: 0.482 ug/L
RT: 3.42 min Scan# 646
Delta R.T. 0.01 min
Lab File: VU036548.D
Acq: 24 Jan 2020 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5601

Tgt Ion: 73 Resp: 11398
Ion Ratio Lower Upper
73 100
43 20.9 14.6 21.8
57 22.0 17.0 25.6

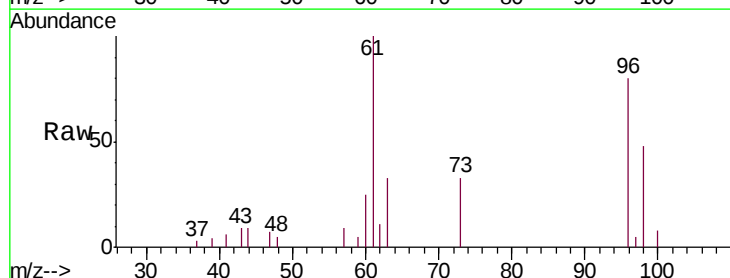


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

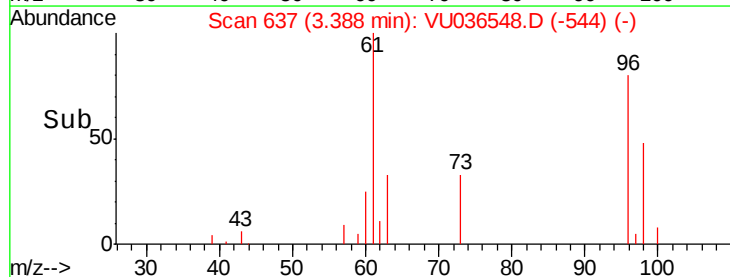
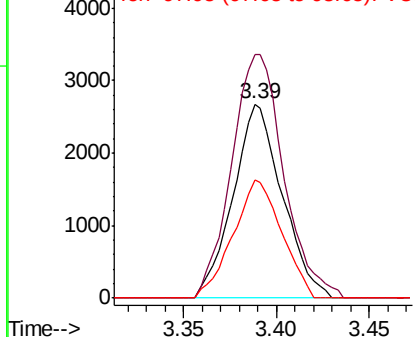


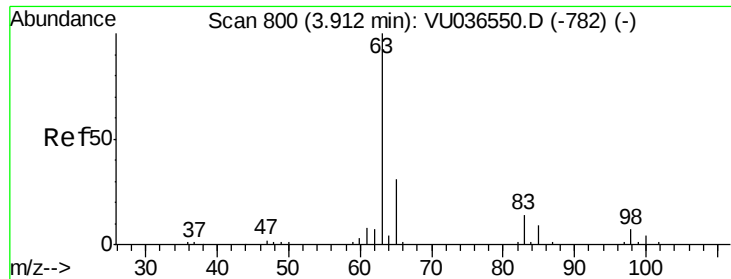
#18
trans-1,2-Dichloroethene
Concen: 0.494 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU036548.D
Acq: 24 Jan 2020 11:18

Tgt Ion: 96 Resp: 4939
Ion Ratio Lower Upper
96 100
61 125.6 93.1 172.9
98 60.7 45.5 84.5



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

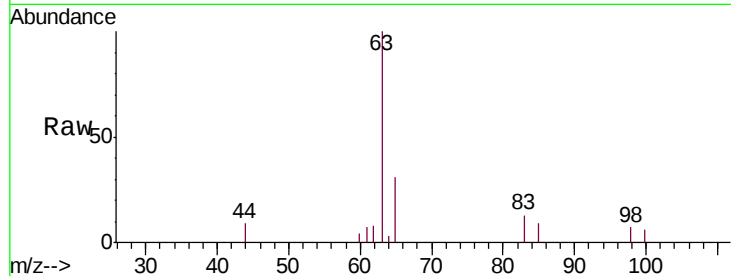




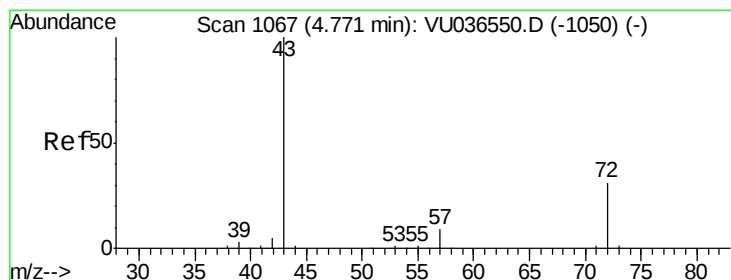
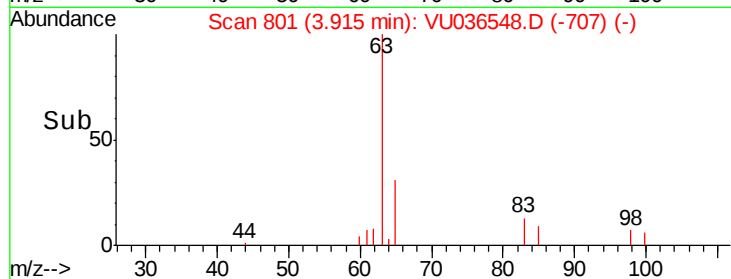
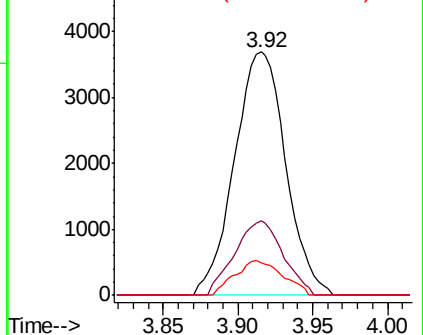
#19
 1,1-Dichloroethane
 Concen: 0.504 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5601

Tgt Ion: 63 Resp: 8784
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.8 40.6
 83 13.2 9.8 18.2

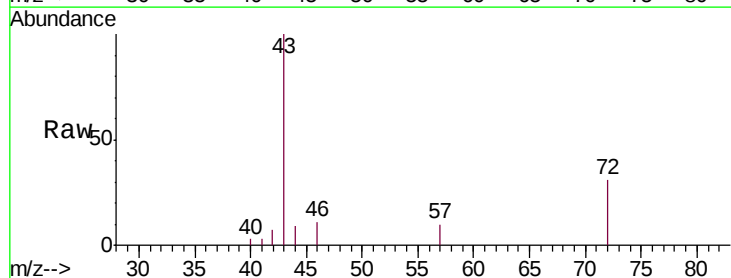


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

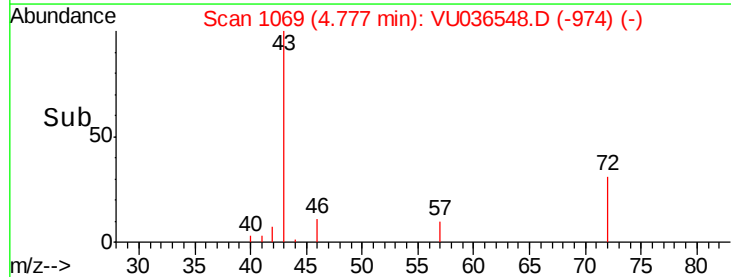
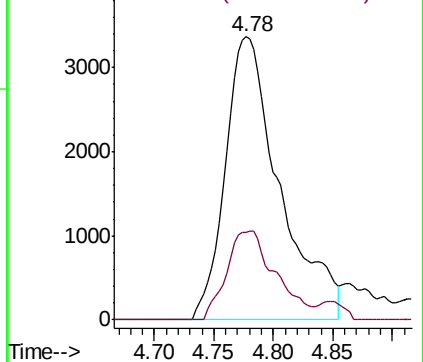


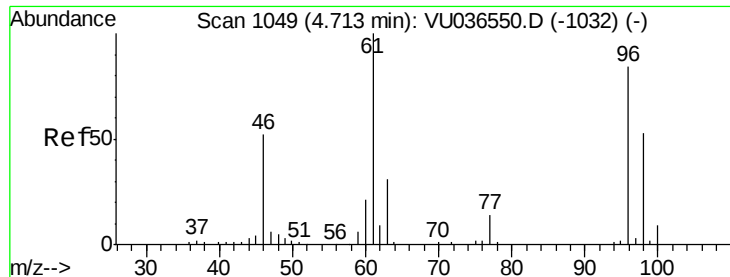
#21
 2-Butanone
 Concen: 4.735 ug/L
 RT: 4.78 min Scan# 1069
 Delta R.T. 0.01 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

Tgt Ion: 43 Resp: 10678
 Ion Ratio Lower Upper
 43 100
 72 28.2 15.4 46.4



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: 0.509 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036548.D

Acq: 24 Jan 2020 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5601

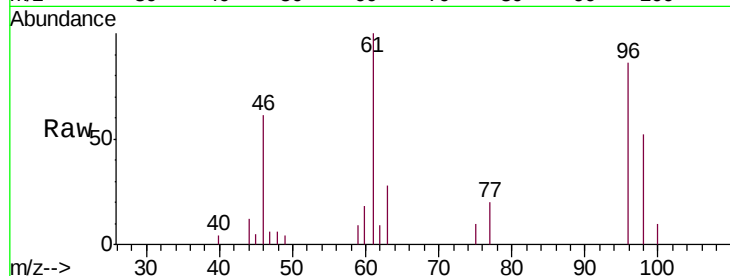
Tgt Ion: 96 Resp: 5640

Ion Ratio Lower Upper

96 100

61 116.2 83.0 154.1

98 60.3 43.8 81.3

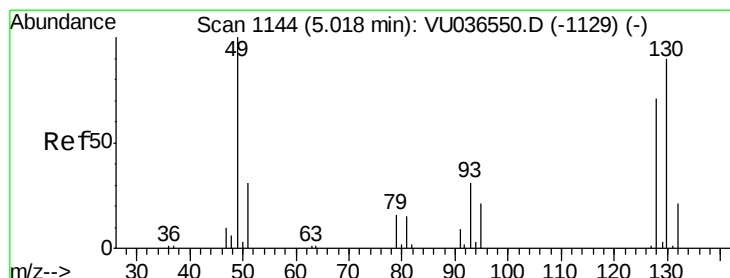
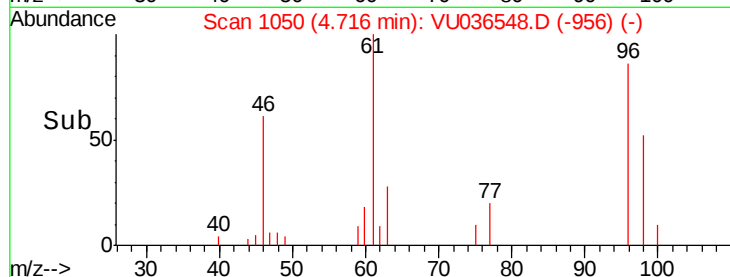
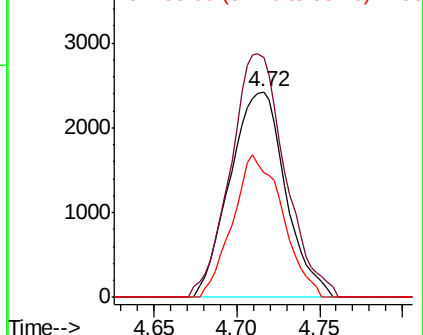


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 98.00 (97.70 to 98.70): VU0



#23

Bromochloromethane

Concen: 0.428 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036548.D

Acq: 24 Jan 2020 11:18

Tgt Ion: 128 Resp: 2061

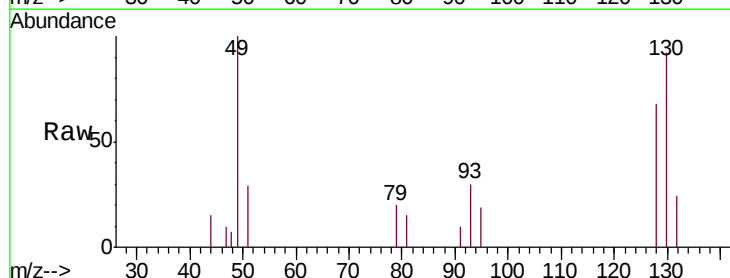
Ion Ratio Lower Upper

128 100

49 147.7 98.6 183.2

130 135.7 89.1 165.5

51 42.1 35.4 53.2



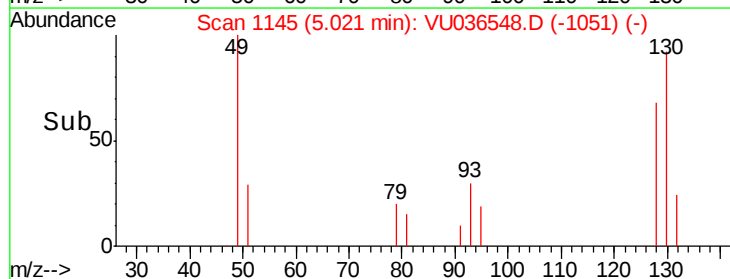
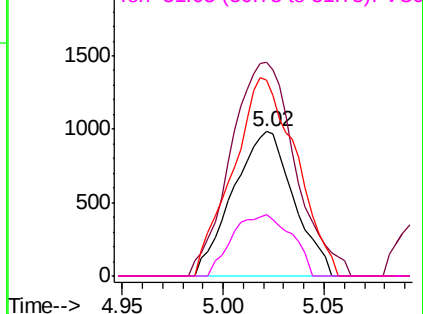
Abundance

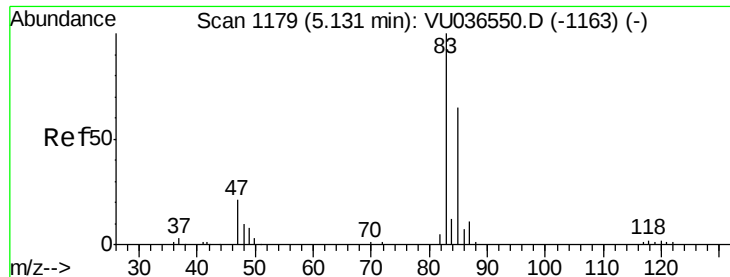
Ion 127.90 (127.60 to 128.60): V

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

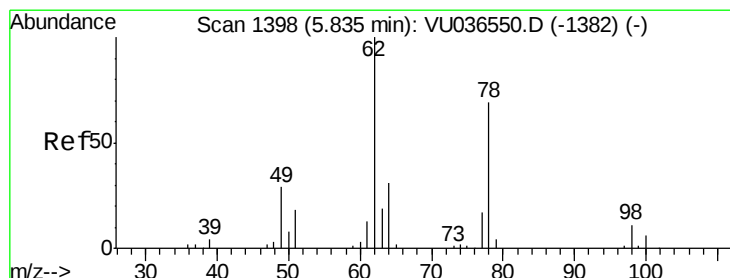
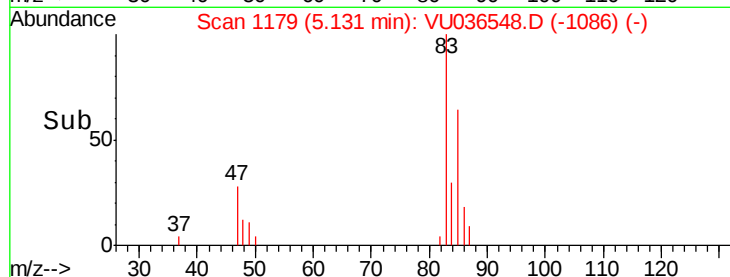
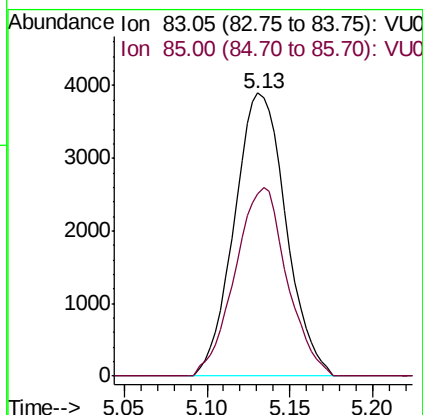
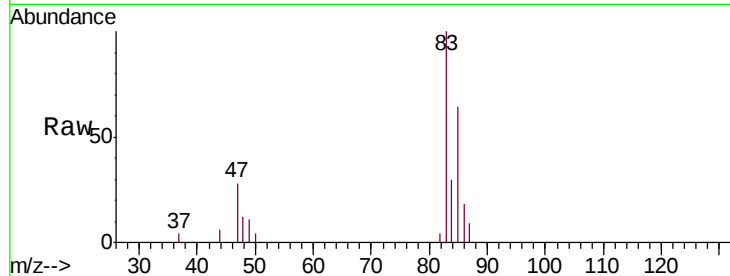




#25
Chloroform
Concen: 0.489 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036548.D
Acq: 24 Jan 2020 11:18

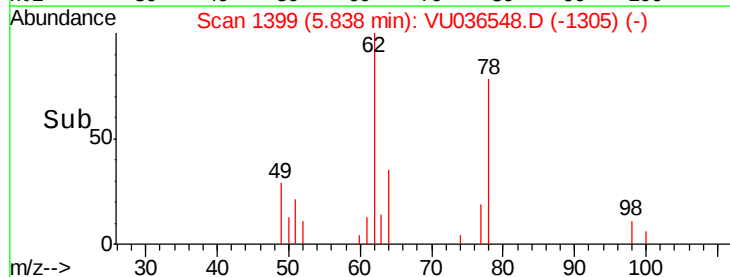
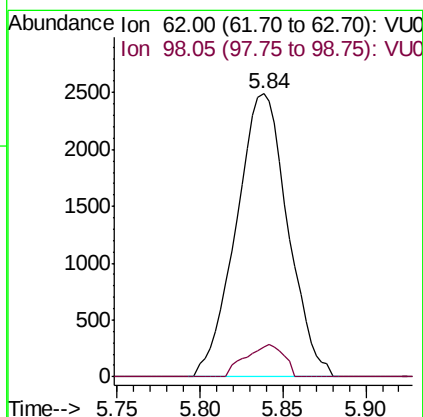
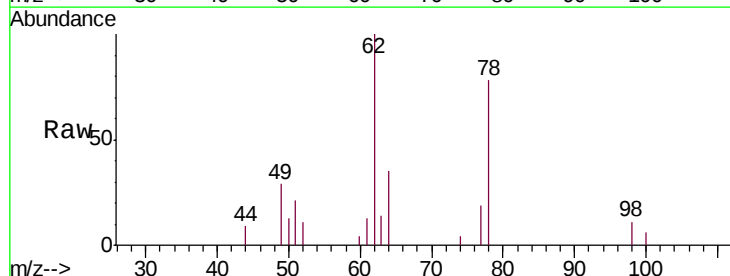
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5601

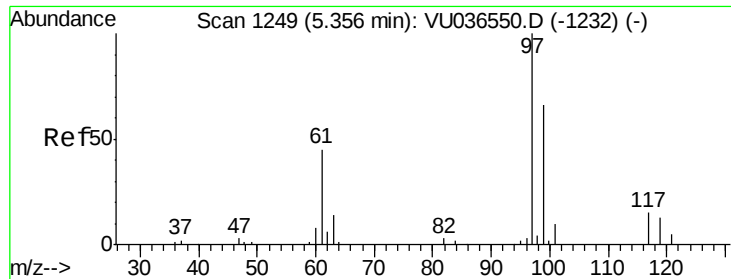
Tgt Ion: 83 Resp: 8449
Ion Ratio Lower Upper
83 100
85 64.4 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.498 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036548.D
Acq: 24 Jan 2020 11:18

Tgt Ion: 62 Resp: 5402
Ion Ratio Lower Upper
62 100
98 10.7 8.5 12.7

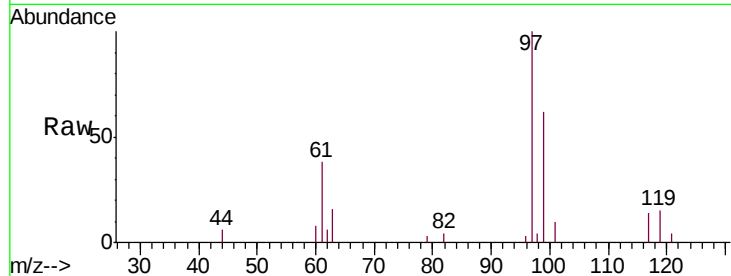




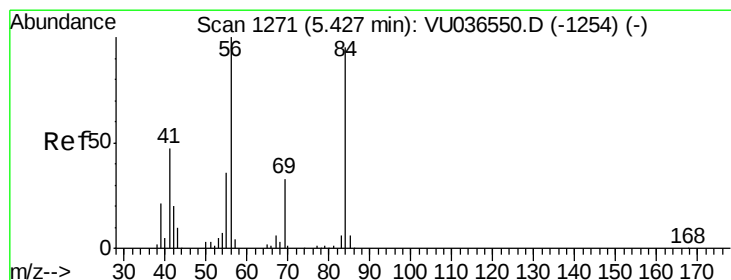
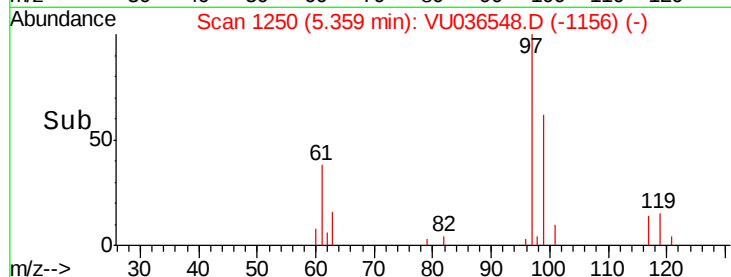
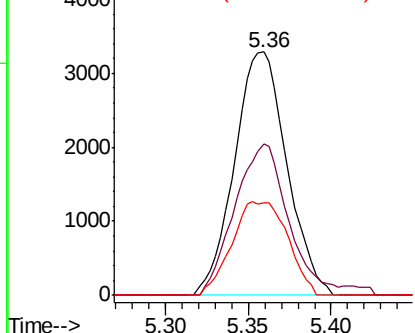
#29
 1,1,1-Trichloroethane
 Concen: 0.510 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5601

Tgt Ion: 97 Resp: 7244
 Ion Ratio Lower Upper
 97 100
 99 63.5 52.0 78.0
 61 41.0 35.6 53.4

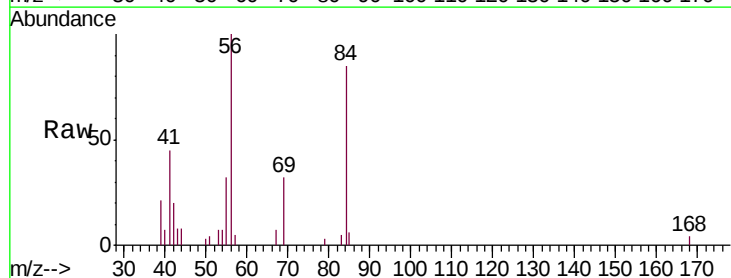


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

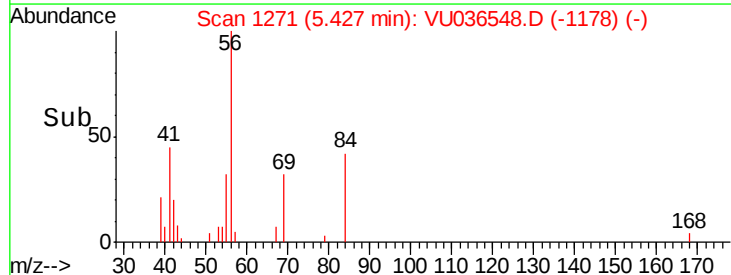
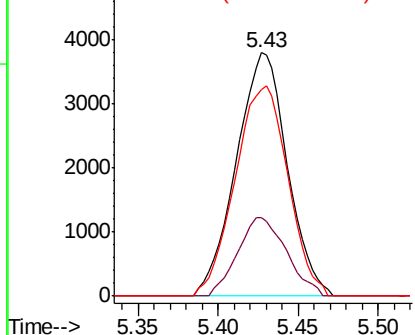


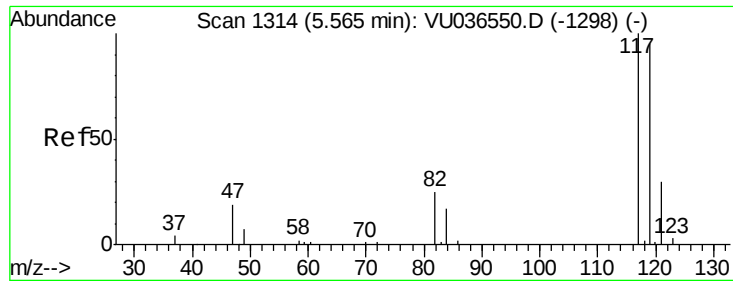
#30
 Cyclohexane
 Concen: 0.509 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

Tgt Ion: 56 Resp: 8302
 Ion Ratio Lower Upper
 56 100
 69 30.8 25.7 38.5
 84 89.2 75.3 112.9



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.487 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036548.D

Acq: 24 Jan 2020 11:18

Instrument :

MSVOA_U

ClientSampleId :

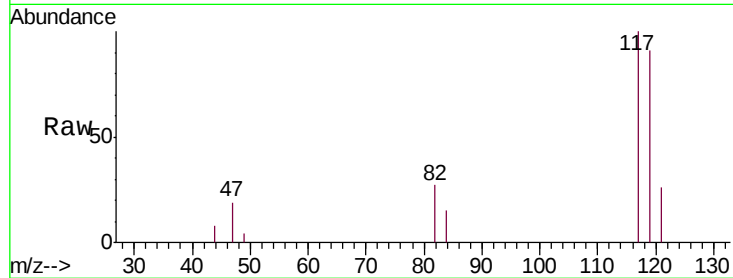
VSTD0.5601

Tgt Ion:117 Resp: 6015

Ion Ratio Lower Upper

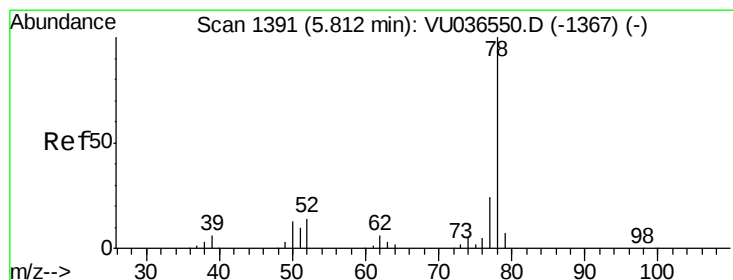
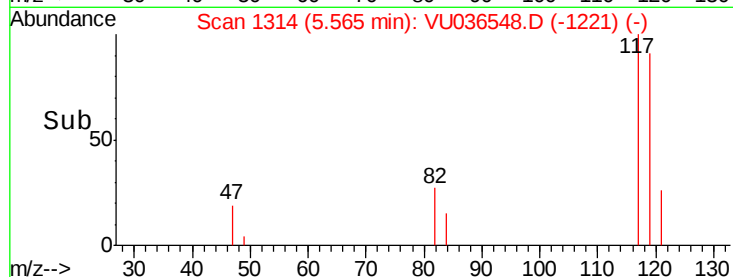
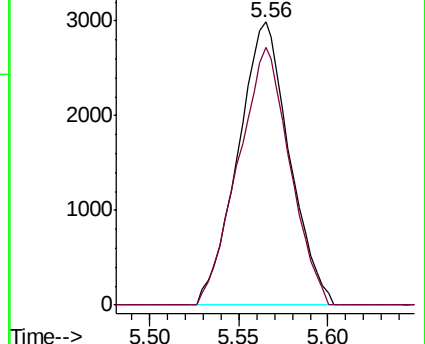
117 100

119 91.6 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.499 ug/L

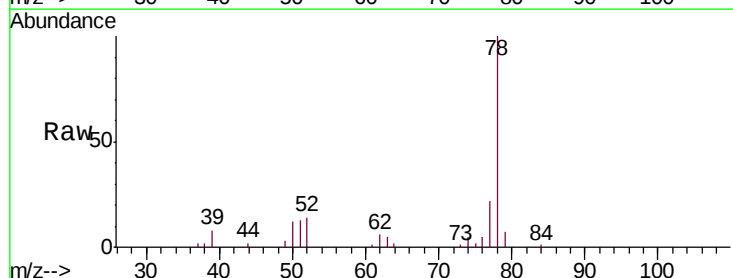
RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU036548.D

Acq: 24 Jan 2020 11:18

Tgt Ion: 78 Resp: 20073



Abundance Ion 78.10 (77.80 to 78.80): VU0

12000

10000

8000

6000

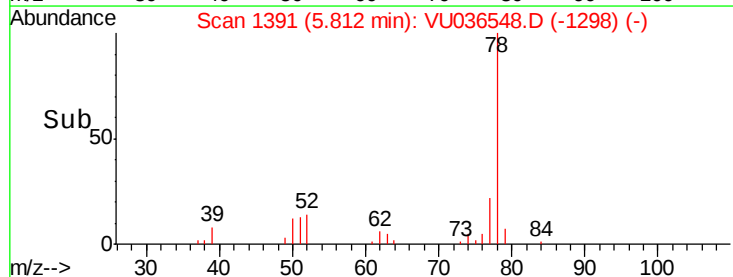
4000

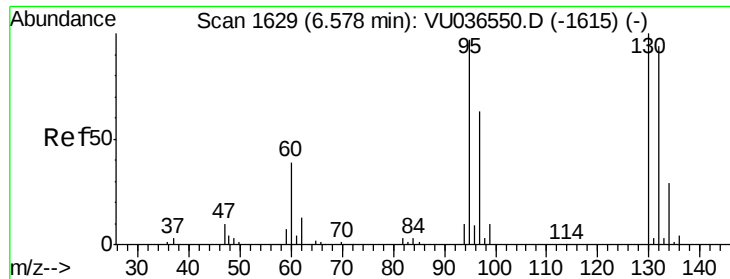
2000

0

5.75 5.80 5.85 5.90

Time-->





#34

Trichloroethene

Concen: 0.488 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036548.D

Acq: 24 Jan 2020 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5601

Tgt Ion: 95 Resp: 5243

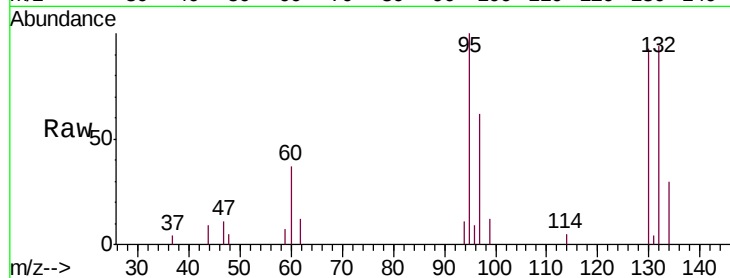
Ion Ratio Lower Upper

95 100

97 61.5 45.6 84.8

132 94.2 67.7 125.7

130 92.6 72.2 134.2

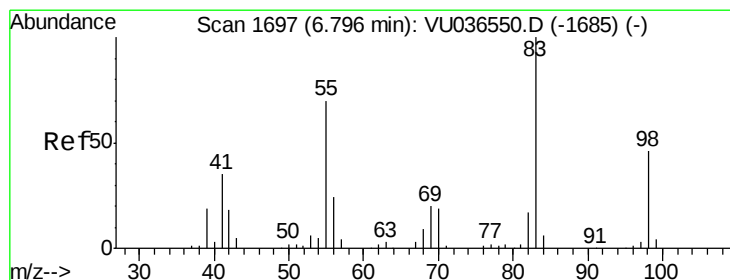
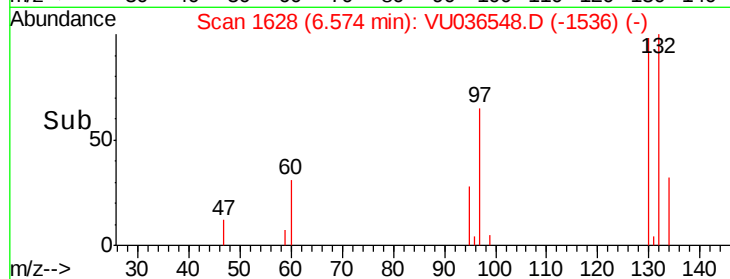
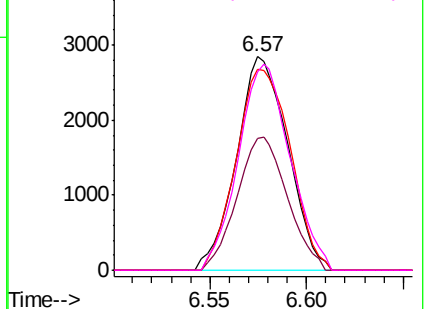


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.477 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036548.D

Acq: 24 Jan 2020 11:18

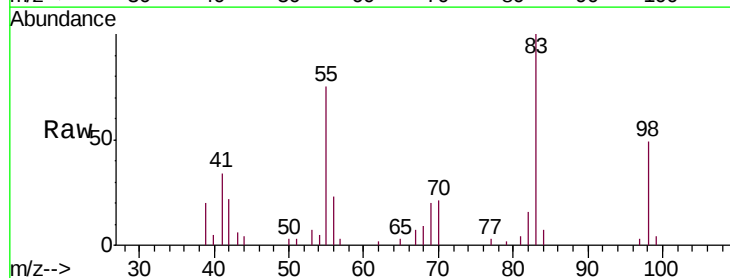
Tgt Ion: 83 Resp: 8776

Ion Ratio Lower Upper

83 100

55 73.4 56.9 85.3

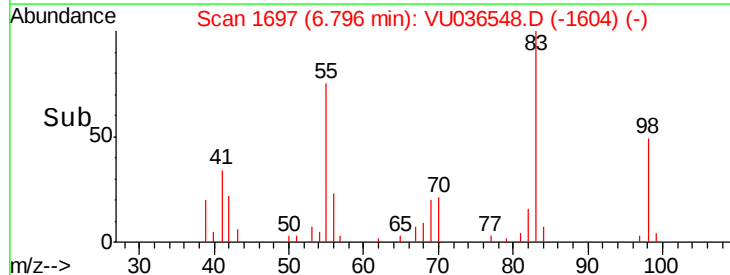
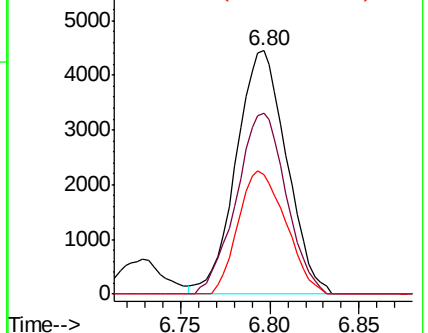
98 47.8 36.9 55.3

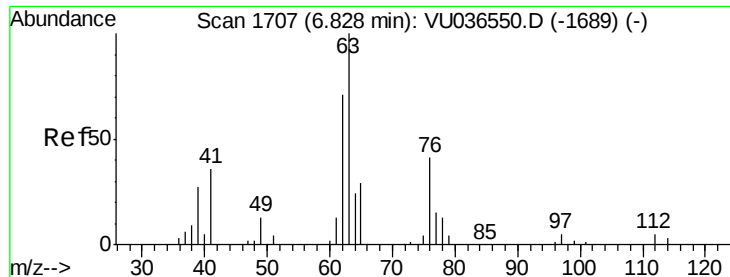


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

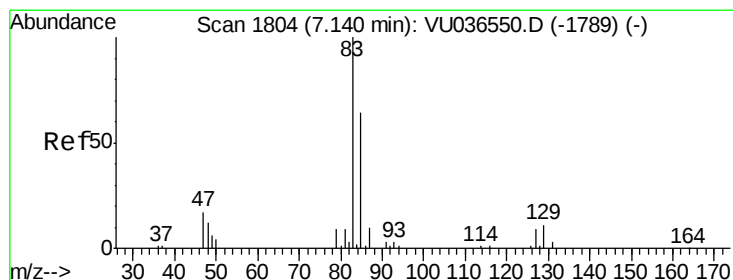
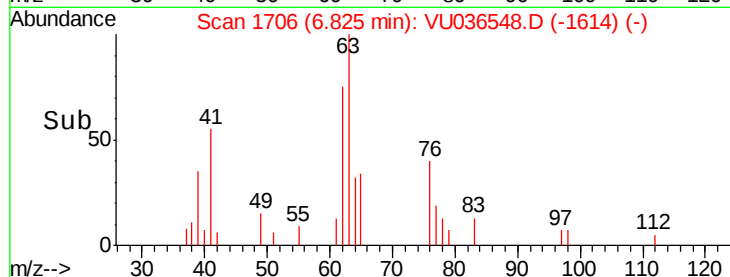
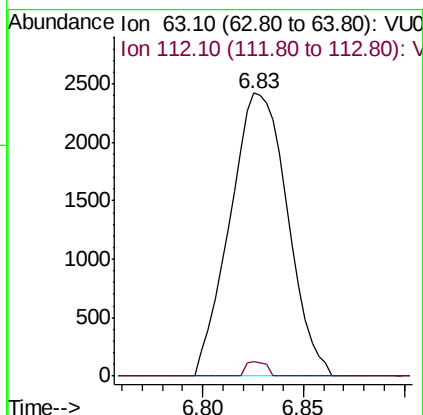
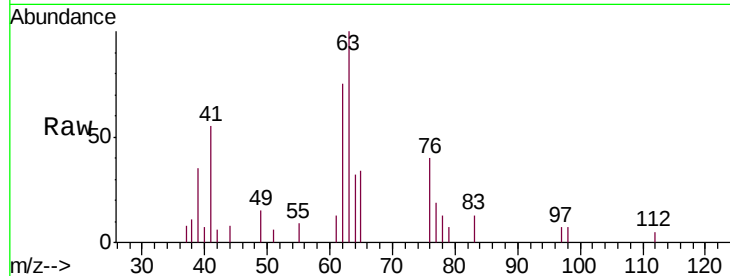




#37
 1,2-Dichloropropane
 Concen: 0.467 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

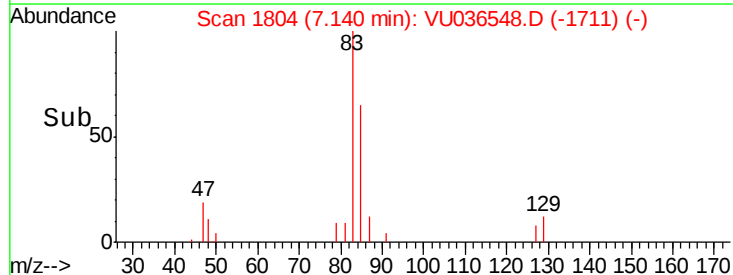
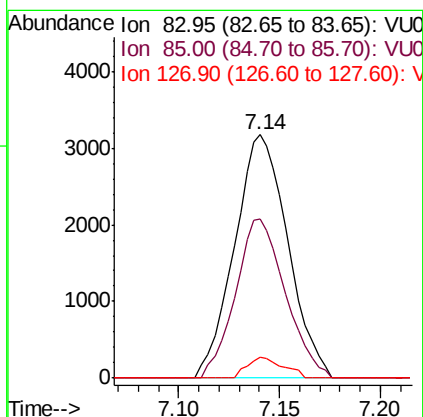
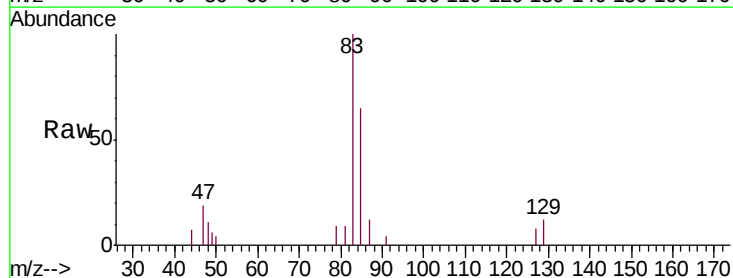
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5601

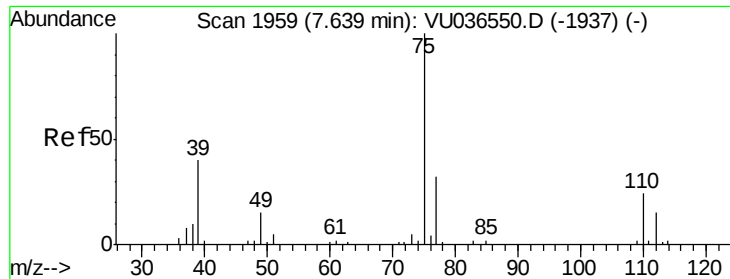
Tgt Ion: 63 Resp: 4820
 Ion Ratio Lower Upper
 63 100
 112 1.8 3.3 4.9#



#38
 Bromodichloromethane
 Concen: 0.469 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

Tgt Ion: 83 Resp: 5856
 Ion Ratio Lower Upper
 83 100
 85 65.3 44.7 82.9
 127 8.3 7.2 10.8

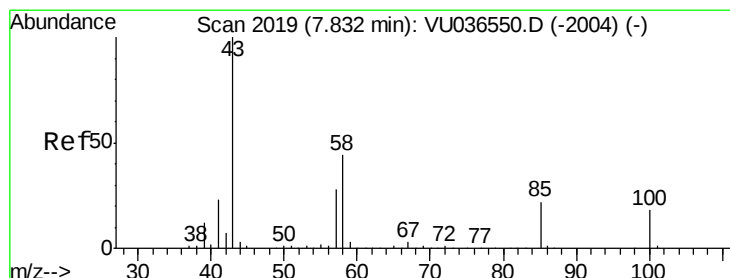
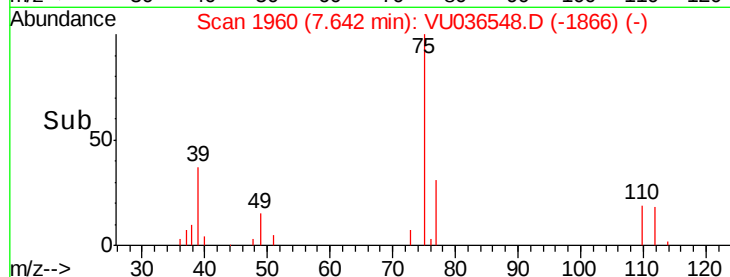
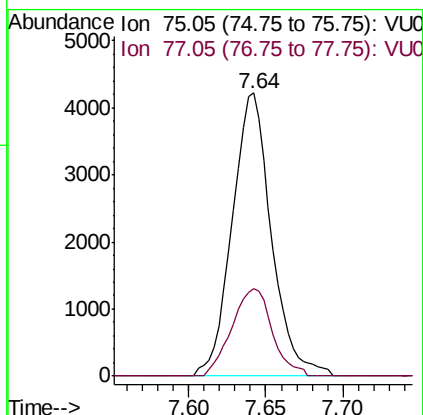
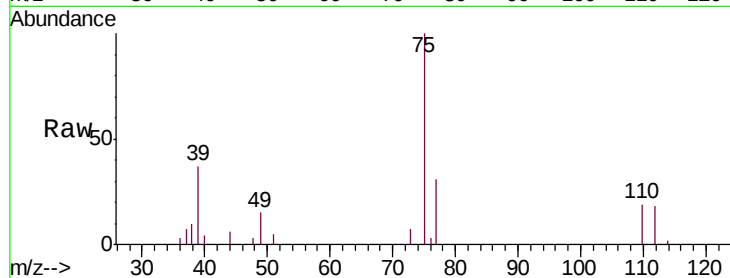




#39
 cis-1,3-Dichloropropene
 Concen: 0.476 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

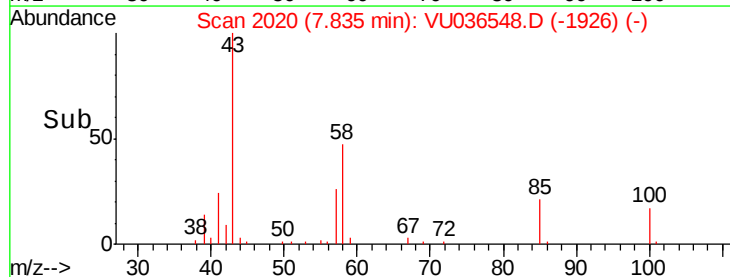
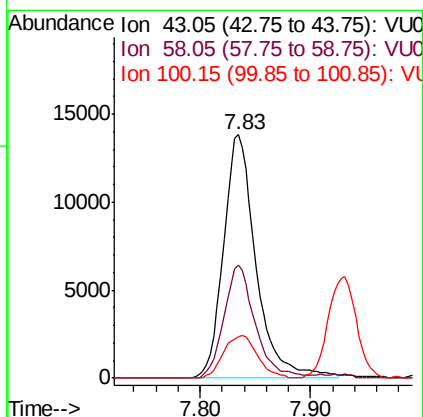
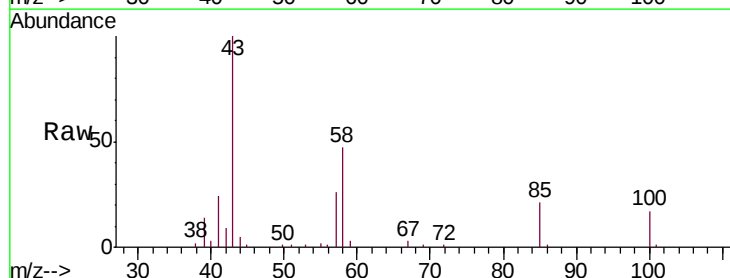
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5601

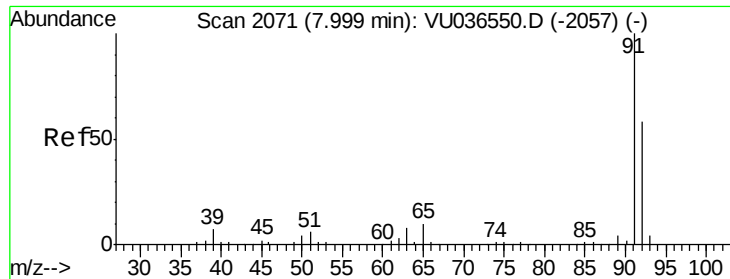
Tgt Ion: 75 Resp: 7424
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 5.007 ug/L
 RT: 7.83 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

Tgt Ion: 43 Resp: 28301
 Ion Ratio Lower Upper
 43 100
 58 44.5 35.6 53.4
 100 18.2 14.9 22.3





#42

Toluene

Concen: 0.507 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036548.D

Acq: 24 Jan 2020 11:18

Instrument :

MSVOA_U

ClientSampleId :

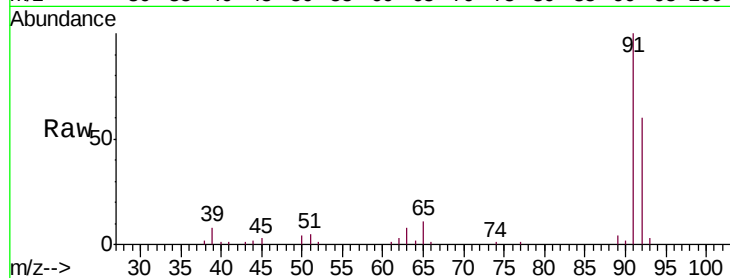
VSTD0.5601

Tgt Ion: 91 Resp: 22608

Ion Ratio Lower Upper

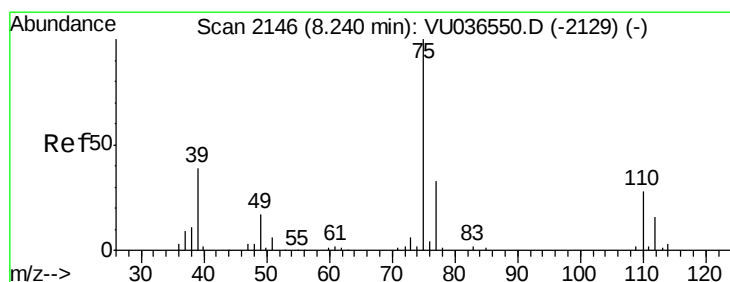
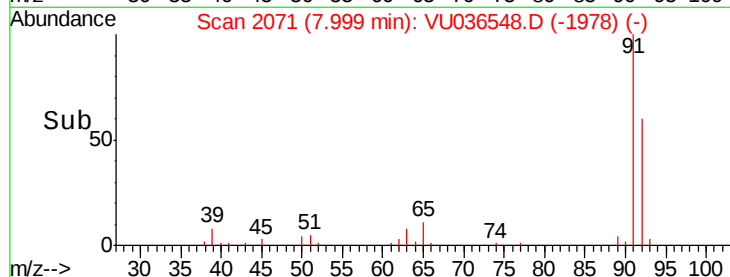
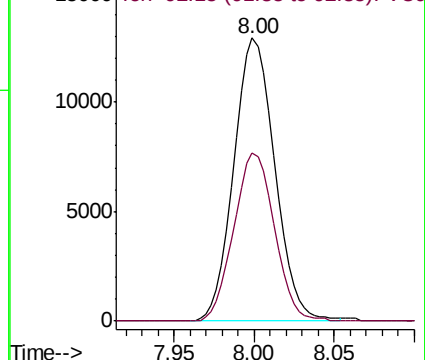
91 100

92 59.5 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU036550.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036550.D (-2057) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.438 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036548.D

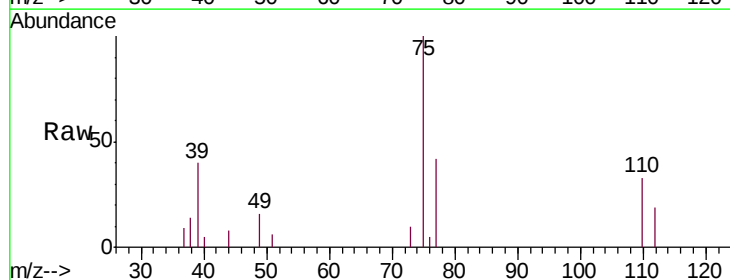
Acq: 24 Jan 2020 11:18

Tgt Ion: 75 Resp: 5302

Ion Ratio Lower Upper

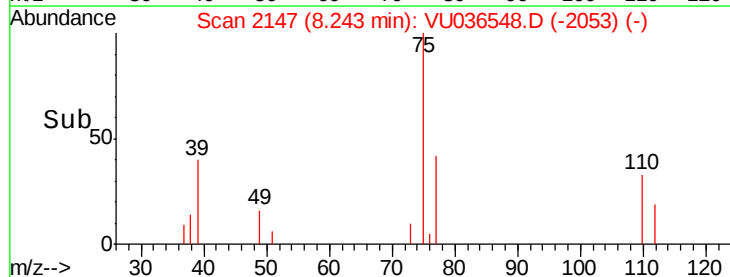
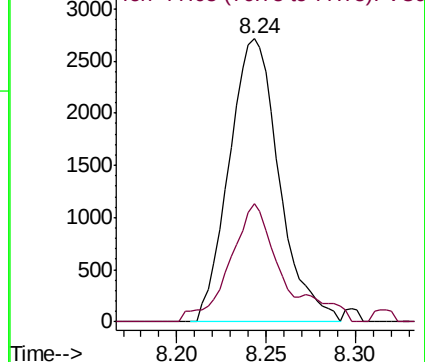
75 100

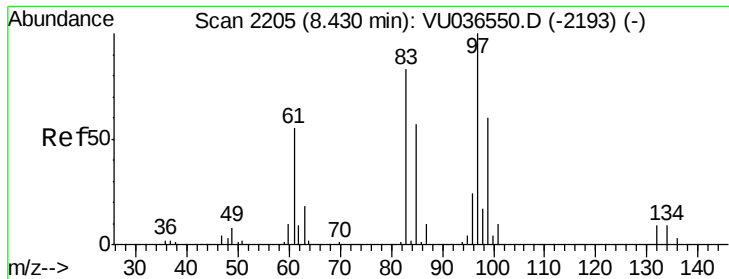
77 41.6 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VU036550.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036550.D (-2129) (-)

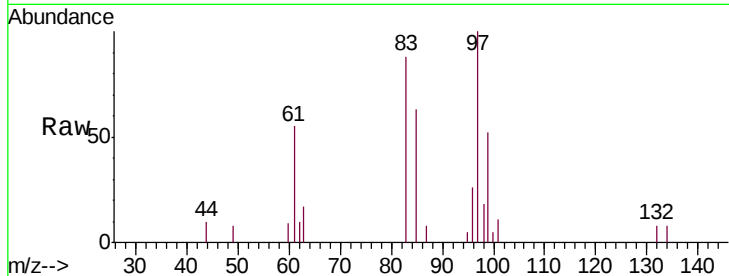




#45
 1,1,2-Trichloroethane
 Concen: 0.479 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5601

Tgt Ion:	97	Resp:	3659
Ion	Ratio	Lower	Upper
97	100		
99	51.7	42.1	78.3
83	88.4	58.4	108.6
85	63.2	39.6	73.6



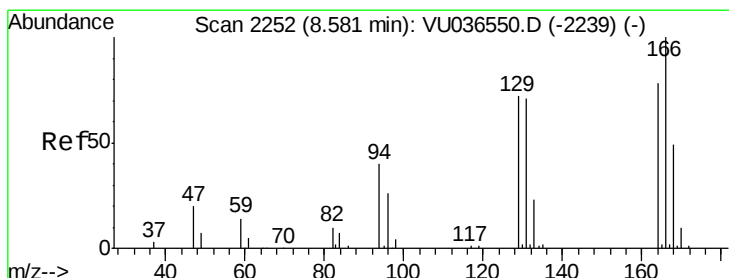
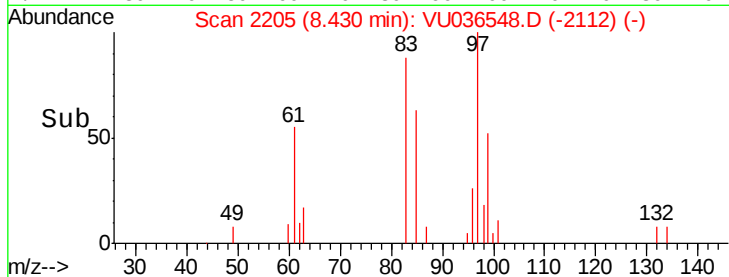
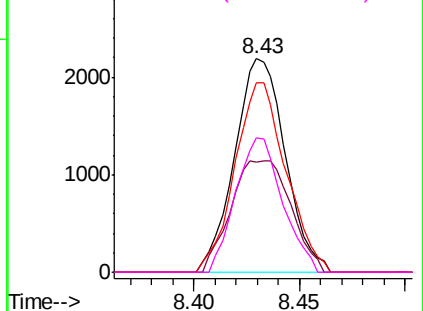
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

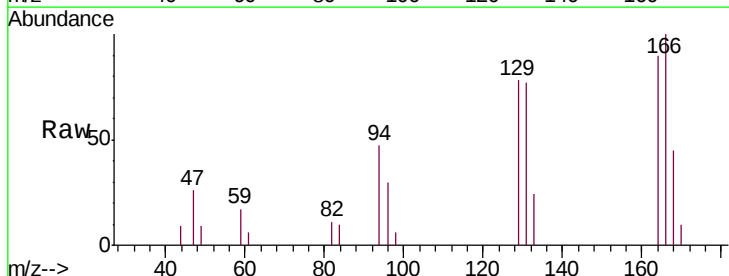
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 0.489 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

Tgt Ion:	164	Resp:	4237
Ion	Ratio	Lower	Upper
164	100		
129	87.1	64.7	120.1
131	85.4	64.0	118.8
166	111.2	89.5	166.3



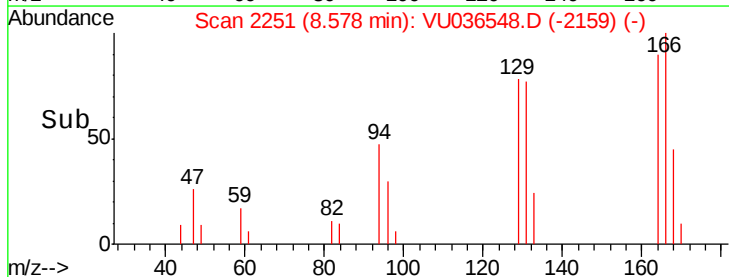
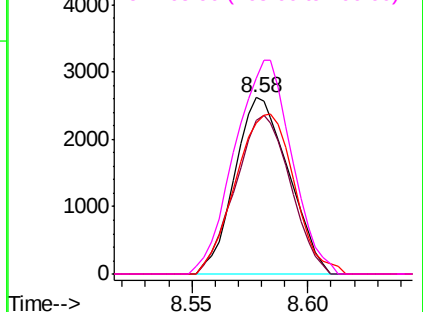
Abundance

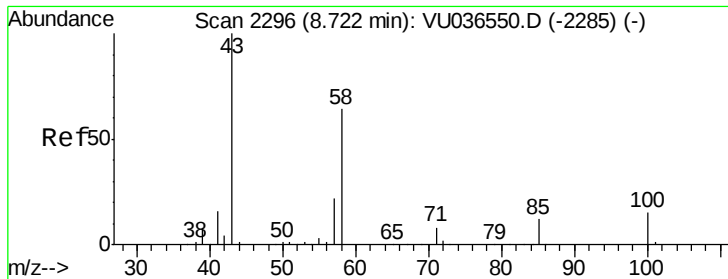
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

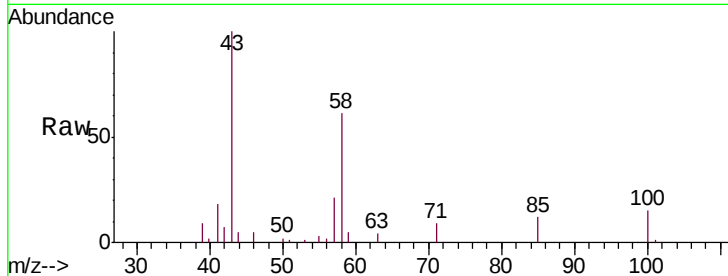




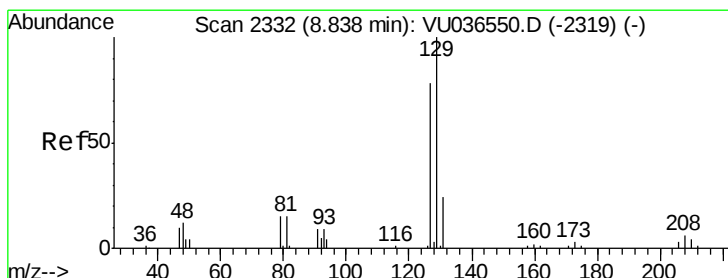
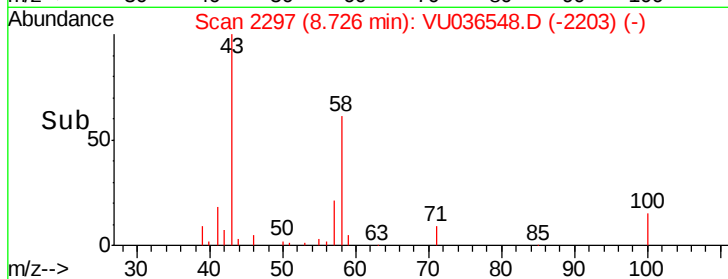
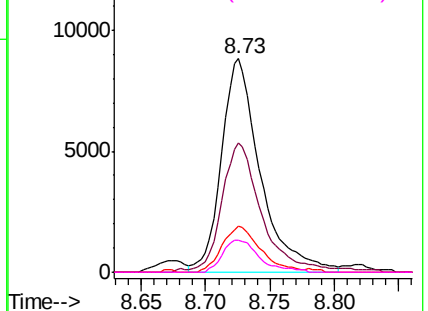
#48
2-Hexanone
Concen: 4.642 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU036548.D
Acq: 24 Jan 2020 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5601

Tgt Ion: 43 Resp: 18531
Ion Ratio Lower Upper
43 100
58 62.5 50.2 75.2
57 21.9 17.5 26.3
100 14.3 11.5 17.3

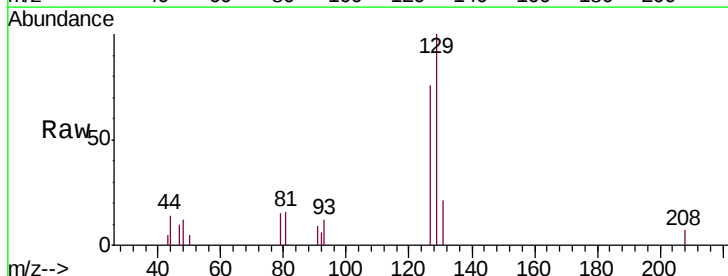


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

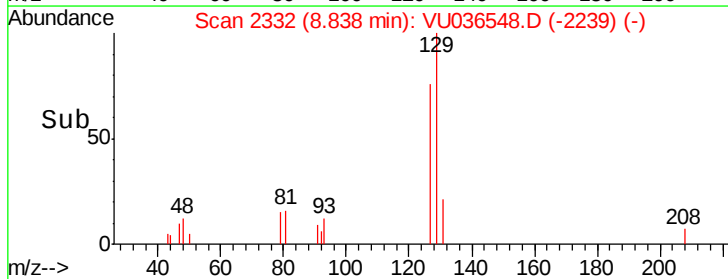
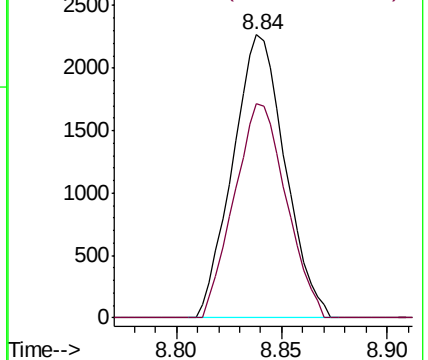


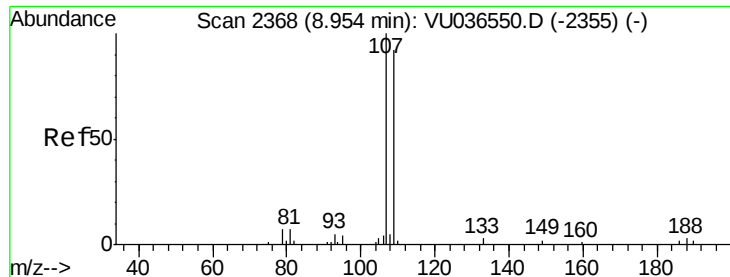
#49
Dibromochloromethane
Concen: 0.452 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU036548.D
Acq: 24 Jan 2020 11:18

Tgt Ion: 129 Resp: 3907
Ion Ratio Lower Upper
129 100
127 75.6 54.5 101.3



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

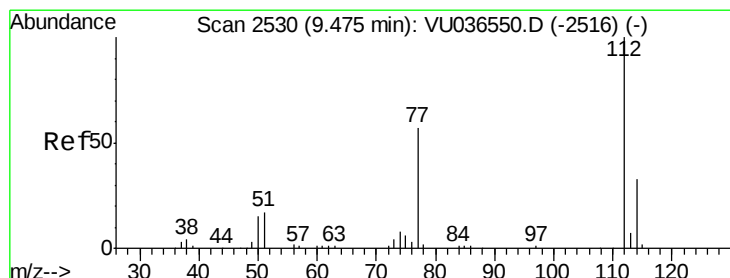
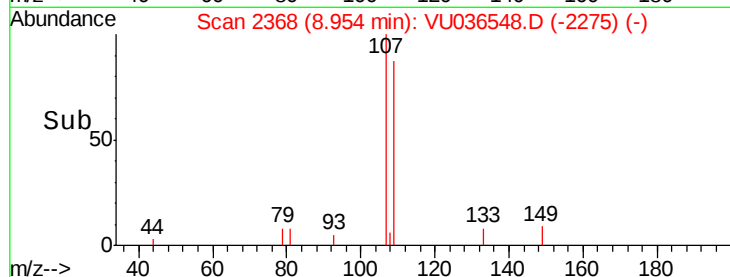
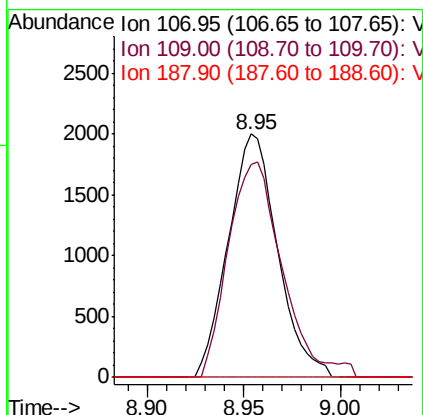
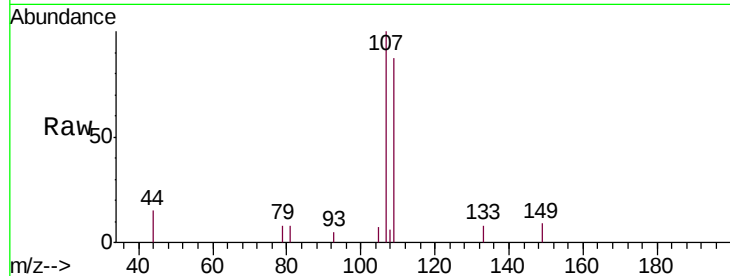




#50
1,2-Dibromoethane
Concen: 0.491 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VU036548.D
Acq: 24 Jan 2020 11:18

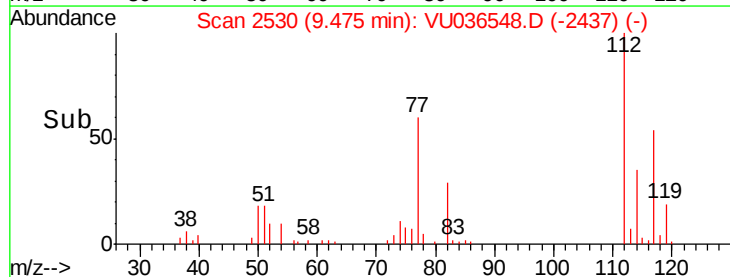
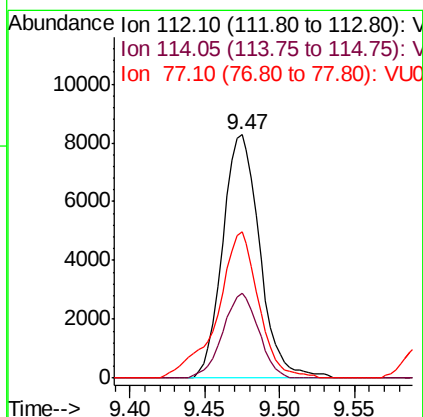
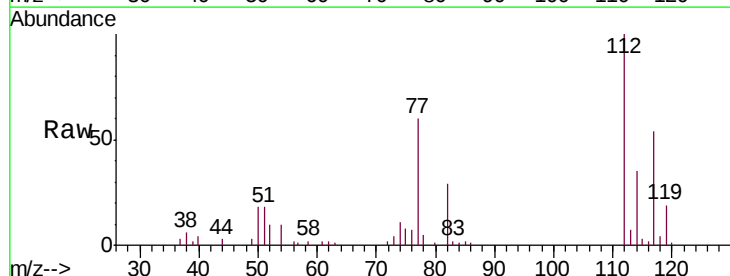
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5601

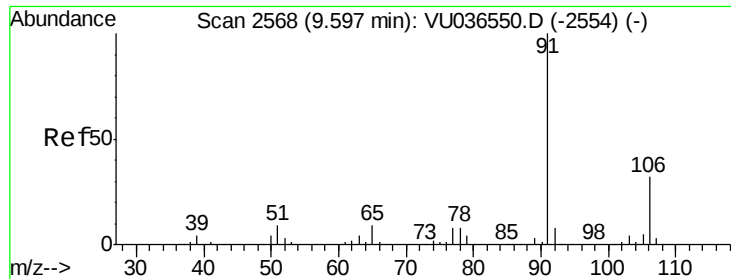
Tgt Ion:107 Resp: 3547
Ion Ratio Lower Upper
107 100
109 87.3 64.5 119.9
188 0.0 2.8 4.2#



#51
Chlorobenzene
Concen: 0.499 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036548.D
Acq: 24 Jan 2020 11:18

Tgt Ion:112 Resp: 14312
Ion Ratio Lower Upper
112 100
114 34.8 23.2 43.2
77 60.0 45.9 68.9





#52

Ethylbenzene

Concen: 0.485 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036548.D

Acq: 24 Jan 2020 11:18

Instrument :

MSVOA_U

ClientSampleId :

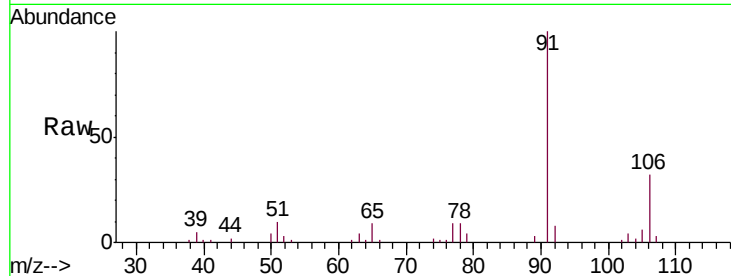
VSTD0.5601

Tgt Ion: 91 Resp: 23705

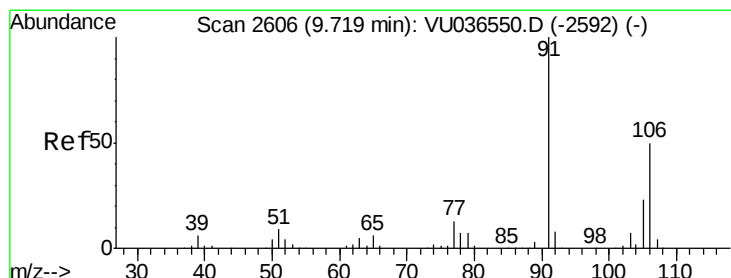
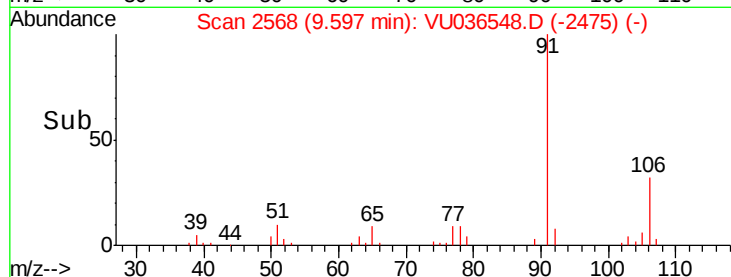
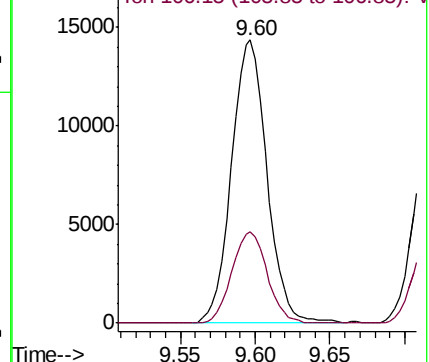
Ion Ratio Lower Upper

91 100

106 32.2 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VU036550.D (-2554) (-)



#53

m,p-Xylene

Concen: 0.474 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036548.D

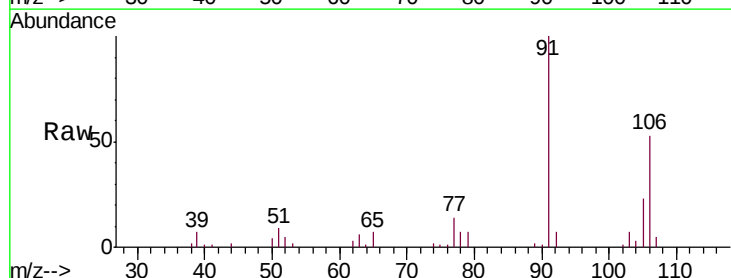
Acq: 24 Jan 2020 11:18

Tgt Ion: 106 Resp: 9061

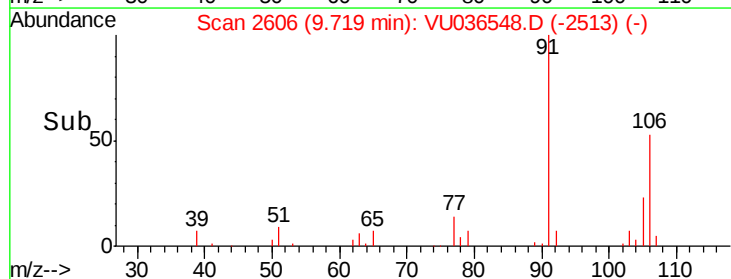
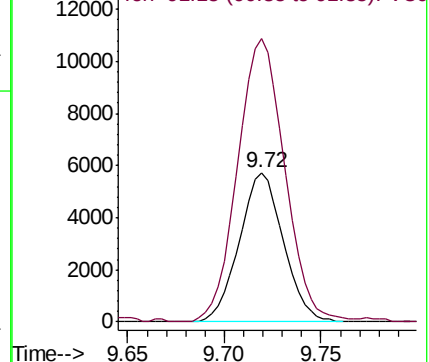
Ion Ratio Lower Upper

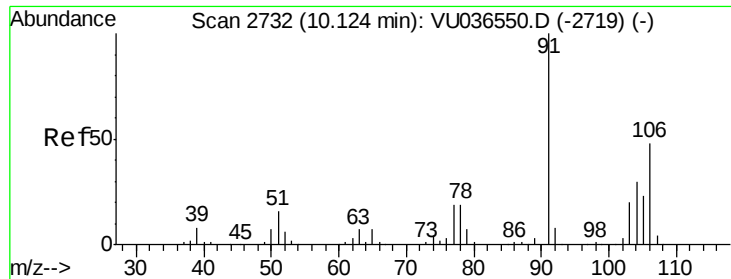
106 100

91 189.8 141.4 262.6



Abundance Ion 106.15 (105.85 to 106.85): VU036550.D (-2592) (-)

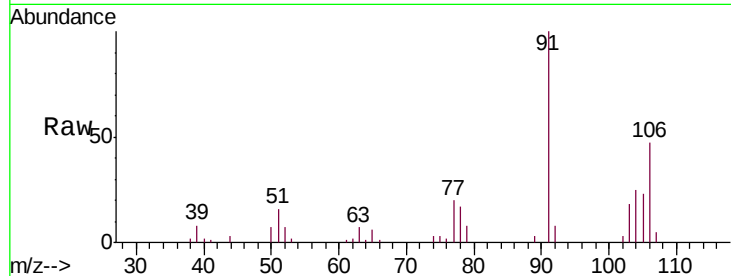




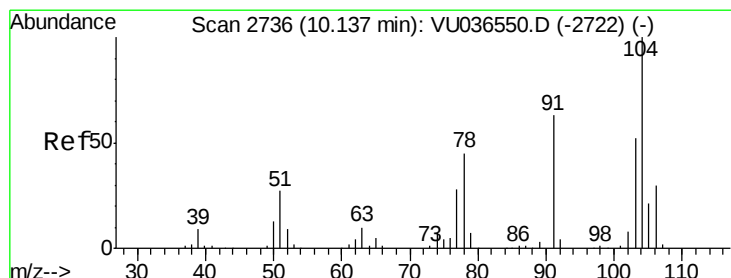
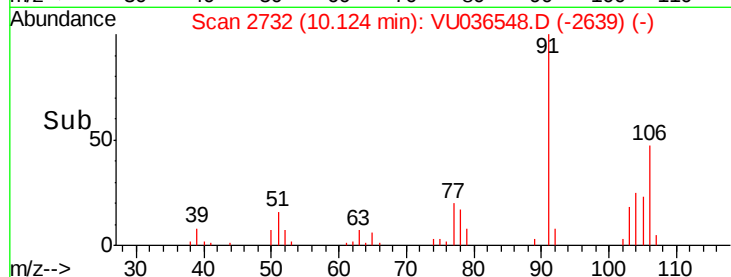
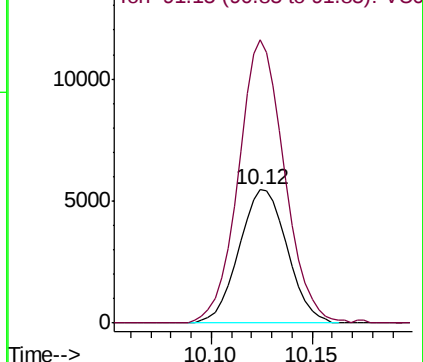
#54
o-Xylene
Concen: 0.495 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU036548.D
Acq: 24 Jan 2020 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5601

Tgt Ion:106 Resp: 9150
Ion Ratio Lower Upper
106 100
91 212.4 146.2 271.4

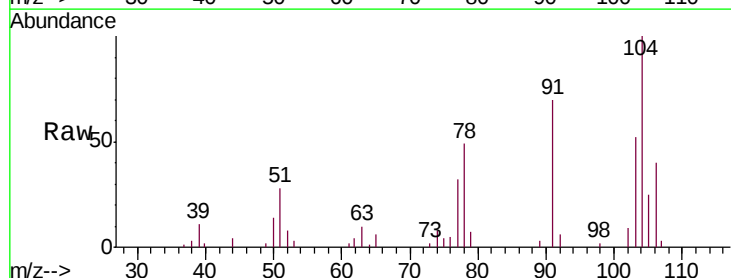


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

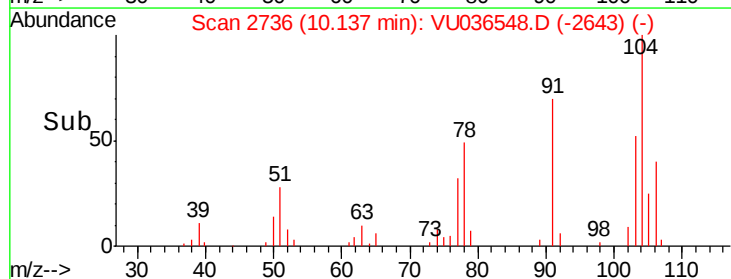
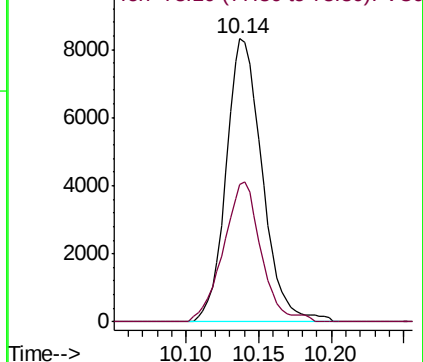


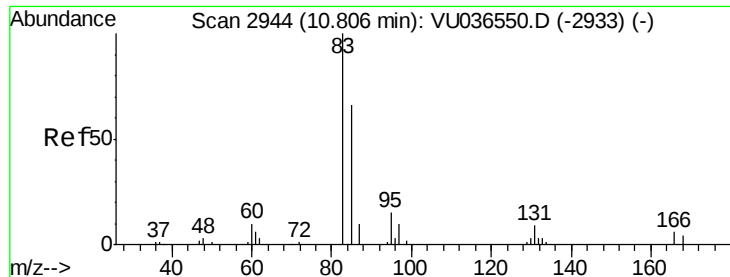
#55
Styrene
Concen: 0.467 ug/L
RT: 10.14 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VU036548.D
Acq: 24 Jan 2020 11:18

Tgt Ion:104 Resp: 14382
Ion Ratio Lower Upper
104 100
78 48.5 31.9 59.2



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





#57

1,1,2,2-Tetrachloroethane

Concen: 0.506 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036548.D

Acq: 24 Jan 2020 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5601

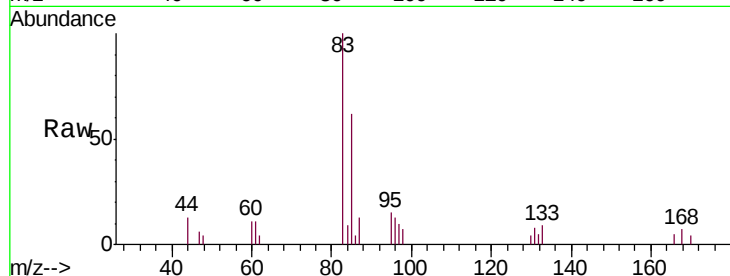
Tgt Ion: 83 Resp: 4735

Ion Ratio Lower Upper

83 100

85 62.3 47.0 87.4

131 8.5 8.1 12.1

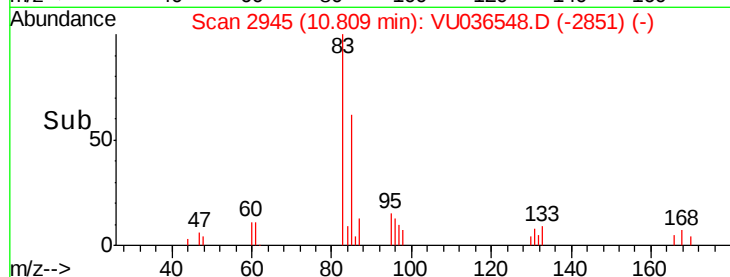


Abundance Ion 82.95 (82.65 to 83.65): VU036550.D (-2933) (-)

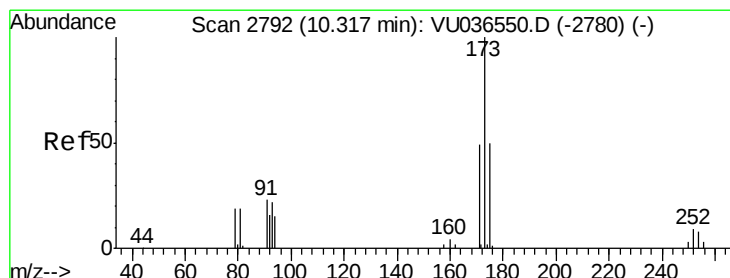
Ion 85.00 (84.70 to 85.70): VU036550.D (-2933) (-)

Ion 130.95 (130.65 to 131.65): VU036550.D (-2933) (-)

Time-->



Time-->



#59

Bromoform

Concen: 0.491 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036548.D

Acq: 24 Jan 2020 11:18

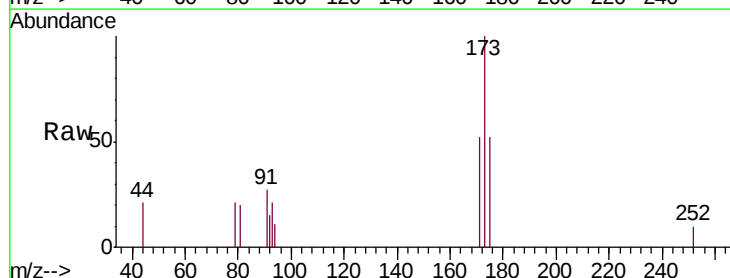
Tgt Ion: 173 Resp: 2234

Ion Ratio Lower Upper

173 100

175 45.4 39.0 58.4

254 0.0 6.3 9.5#

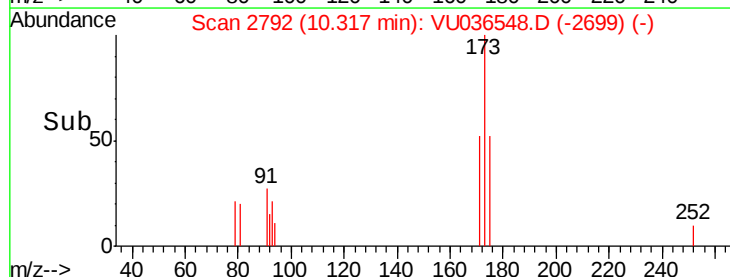


Abundance Ion 172.90 (172.60 to 173.60): VU036550.D (-2780) (-)

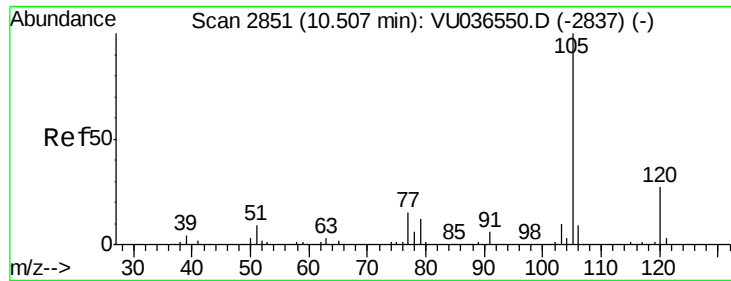
Ion 174.90 (174.60 to 175.60): VU036550.D (-2780) (-)

Ion 253.75 (253.45 to 254.45): VU036550.D (-2780) (-)

Time-->



Time-->



#60

Isopropylbenzene

Concen: 0.517 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036548.D

Acq: 24 Jan 2020 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5601

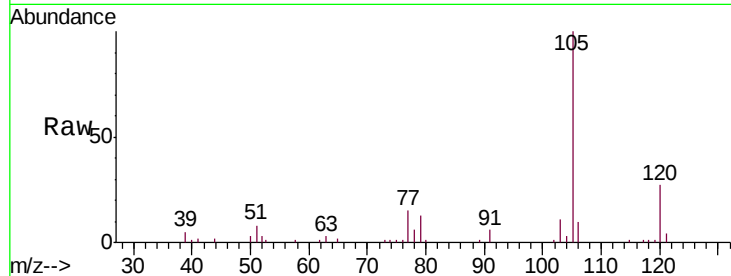
Tgt Ion: 105 Resp: 23261

Ion Ratio Lower Upper

105 100

120 25.8 21.5 32.3

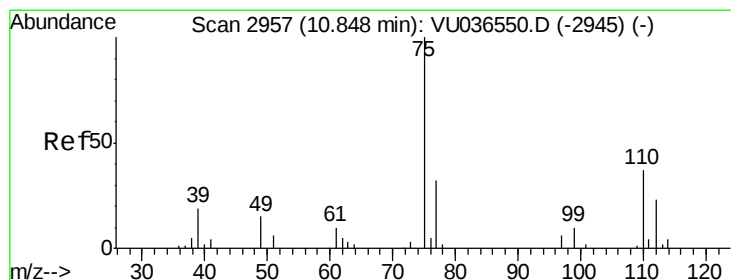
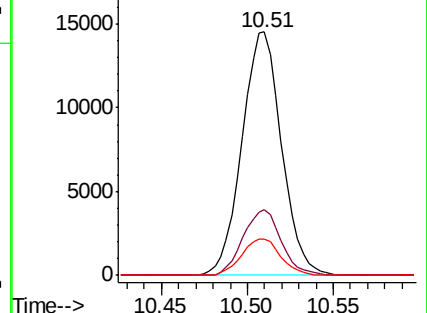
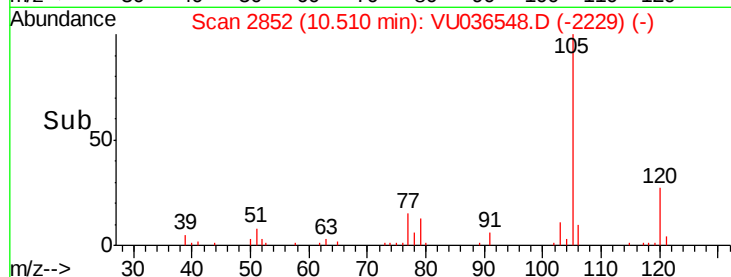
77 14.8 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#61

1,2,3-Trichloropropane

Concen: 0.545 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036548.D

Acq: 24 Jan 2020 11:18

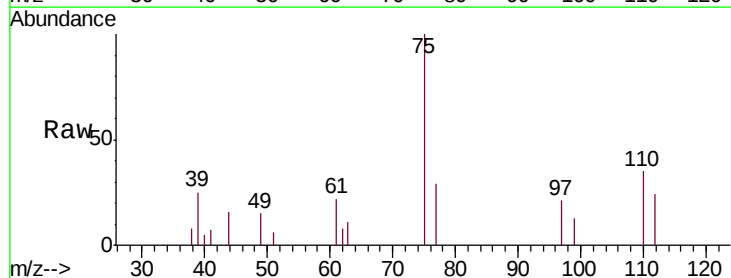
Tgt Ion: 75 Resp: 3349

Ion Ratio Lower Upper

75 100

110 36.5 29.0 43.4

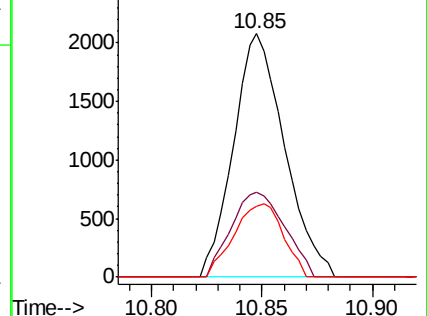
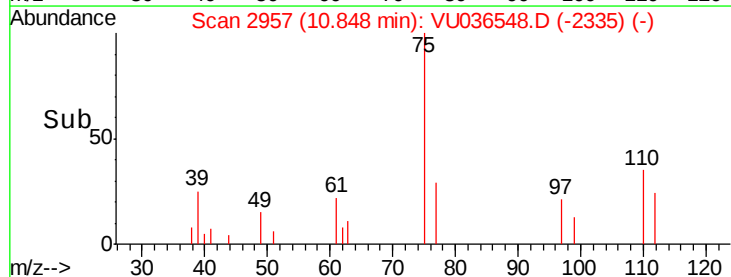
77 28.9 25.8 38.6

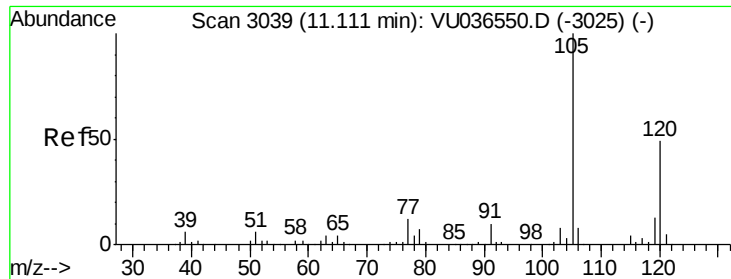


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

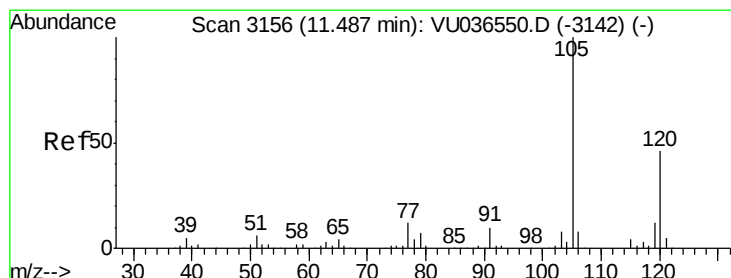
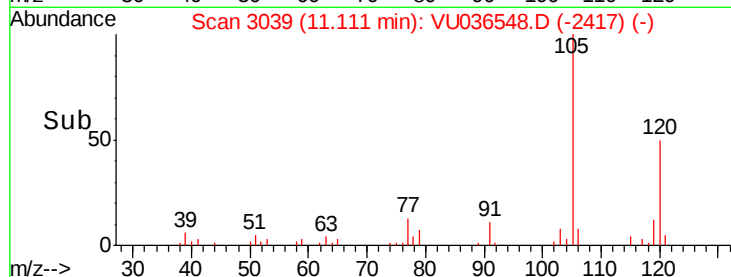
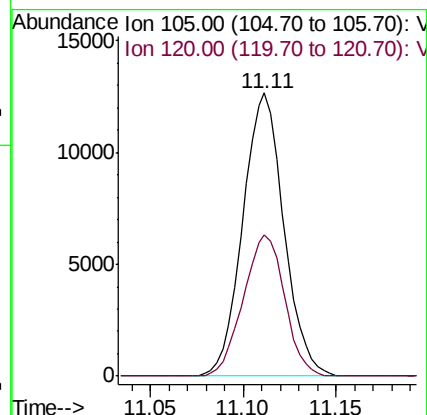
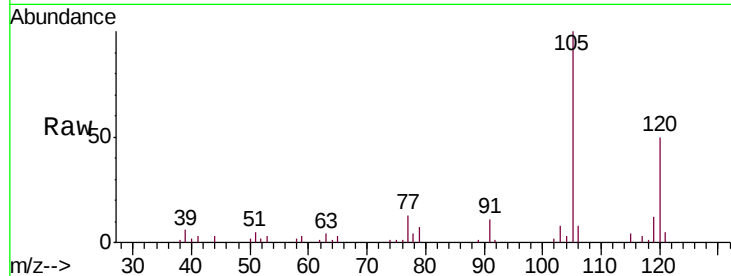




#62
 1,3,5-Trimethylbenzene
 Concen: 0.503 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. 0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

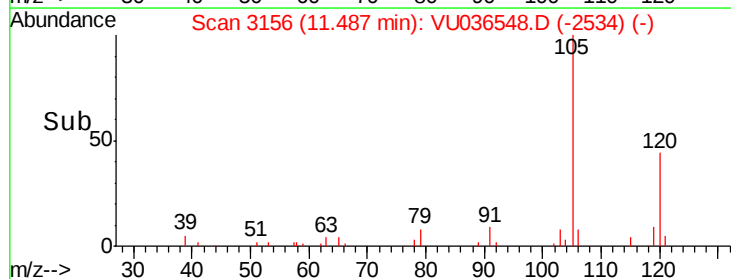
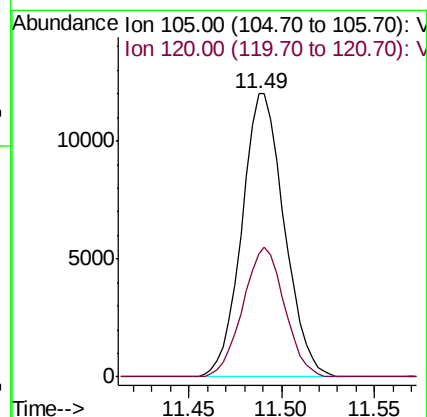
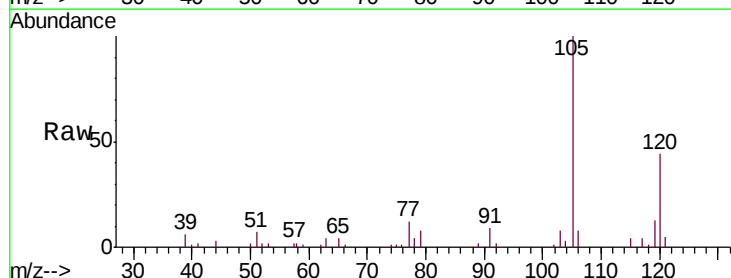
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5601

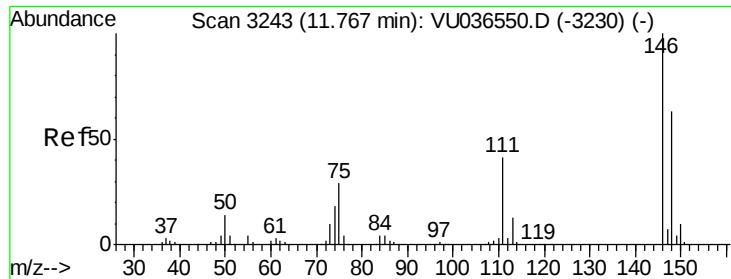
Tgt Ion:105 Resp: 19505
 Ion Ratio Lower Upper
 105 100
 120 50.2 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 0.491 ug/L
 RT: 11.49 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

Tgt Ion:105 Resp: 19045
 Ion Ratio Lower Upper
 105 100
 120 44.8 36.9 55.3

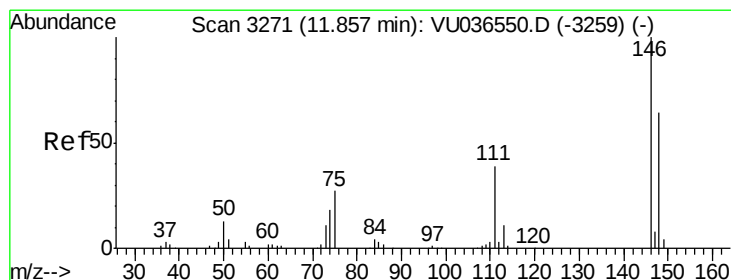
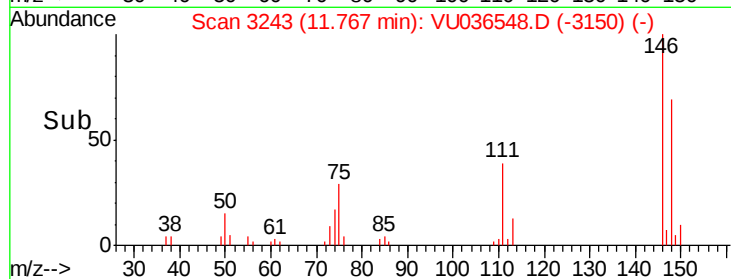
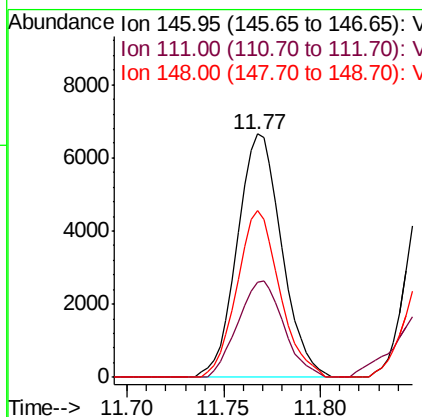
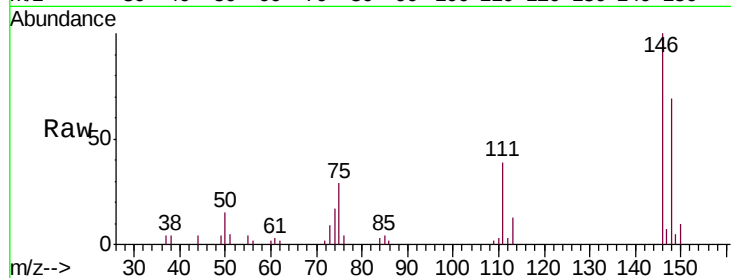




#64
 1,3-Dichlorobenzene
 Concen: 0.506 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

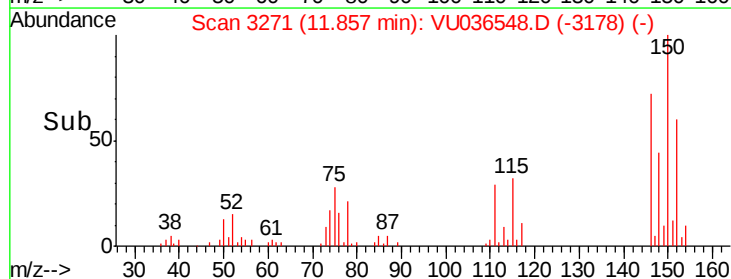
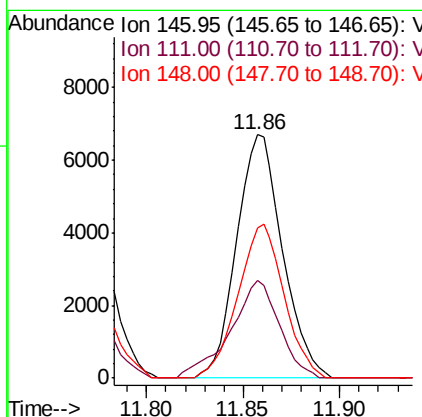
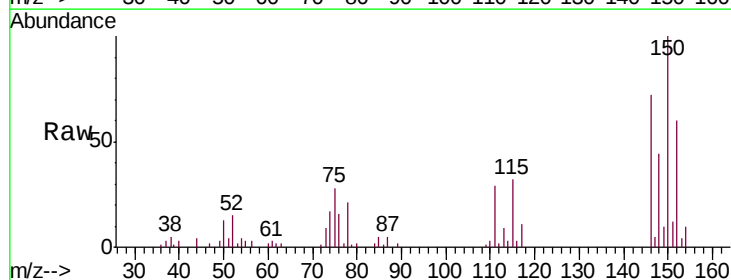
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5601

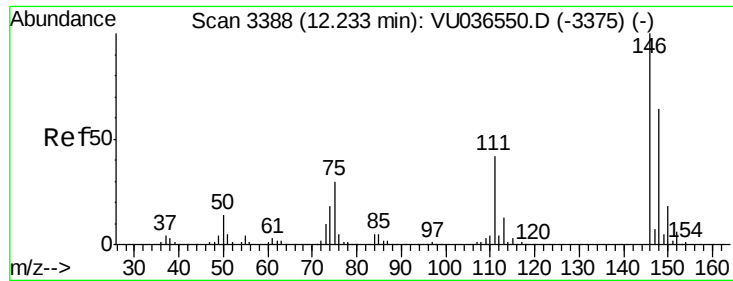
Tgt Ion:146 Resp: 10640
 Ion Ratio Lower Upper
 146 100
 111 39.1 28.8 53.6
 148 68.7 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 0.532 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

Tgt Ion:146 Resp: 11041
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.2 50.6
 148 61.7 44.8 83.2

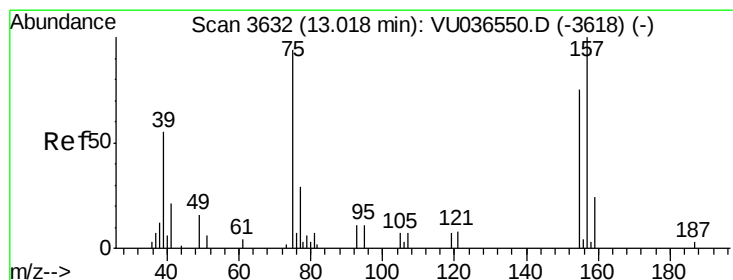
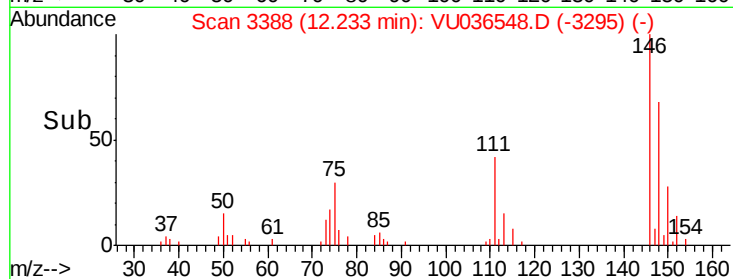
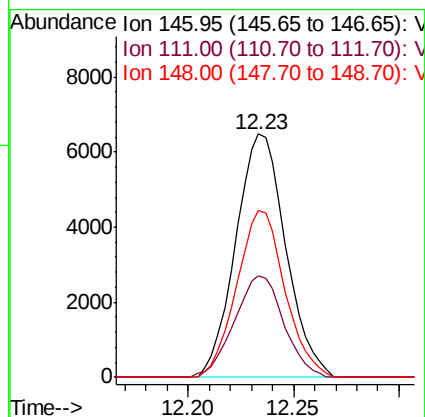
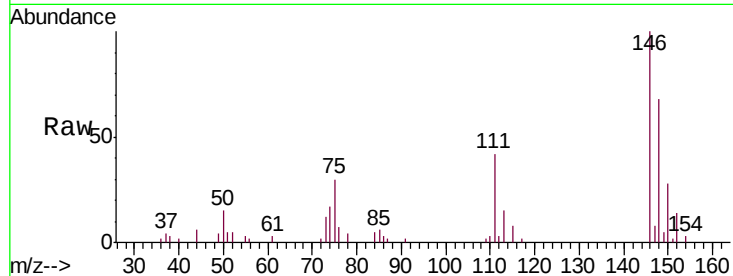




#67
 1,2-Dichlorobenzene
 Concen: 0.536 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

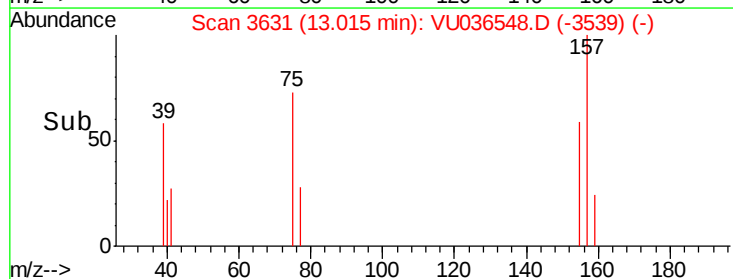
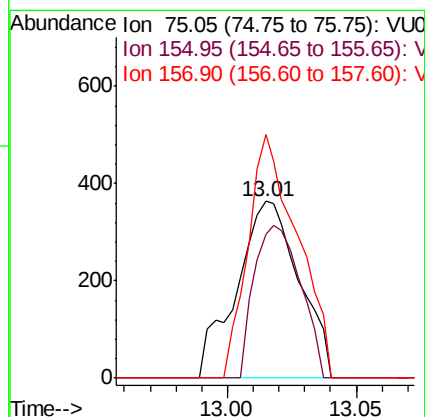
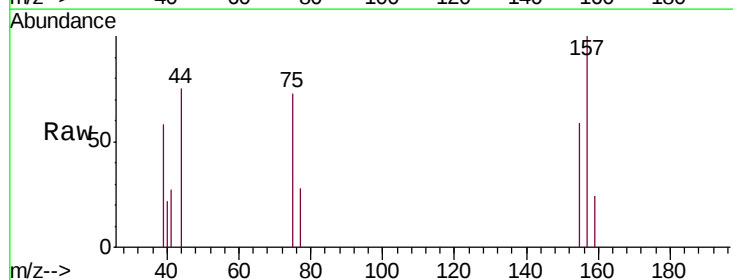
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5601

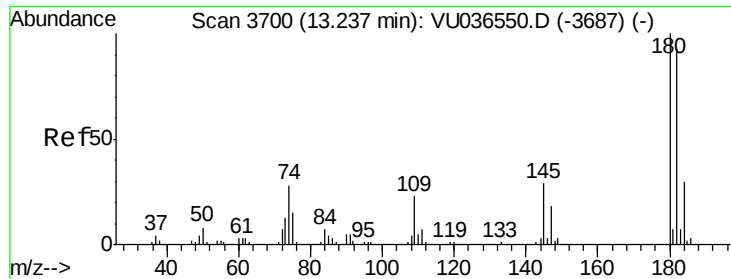
Tgt Ion:146 Resp: 10664
 Ion Ratio Lower Upper
 146 100
 111 41.5 33.4 50.0
 148 68.4 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.465 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

Tgt Ion: 75 Resp: 617
 Ion Ratio Lower Upper
 75 100
 155 81.6 64.2 96.4
 157 137.6 85.1 127.7#

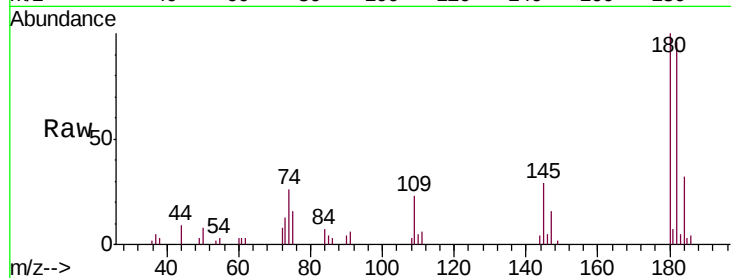




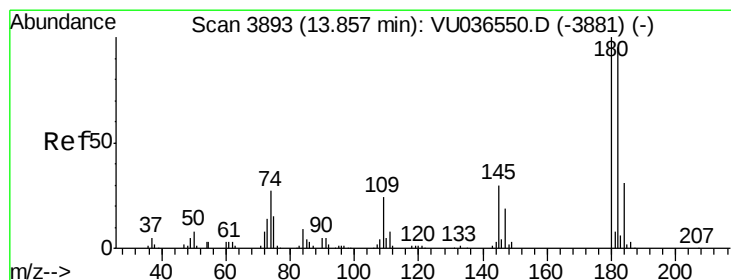
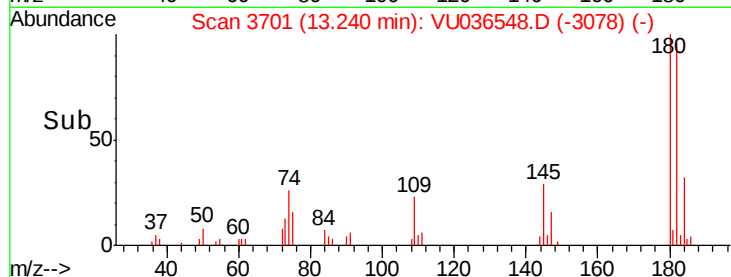
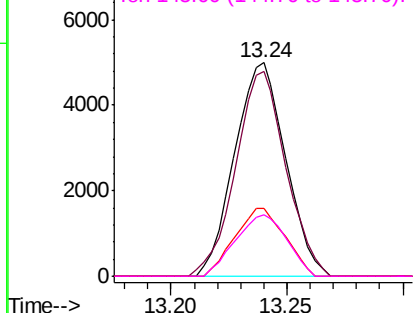
#69
 1,3,5-Trichlorobenzene
 Concen: 0.458 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5601

Tgt Ion:	180	Resp:	7626
Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.2	112.8
184	31.3	23.9	35.9
145	29.0	22.7	34.1

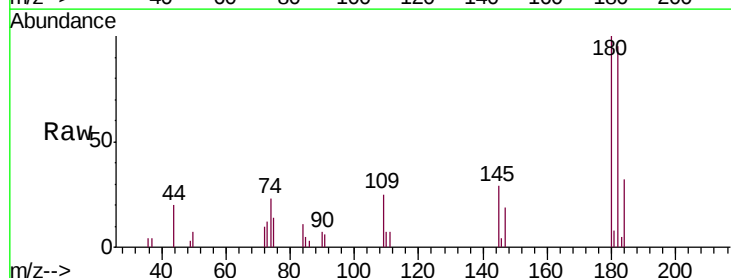


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

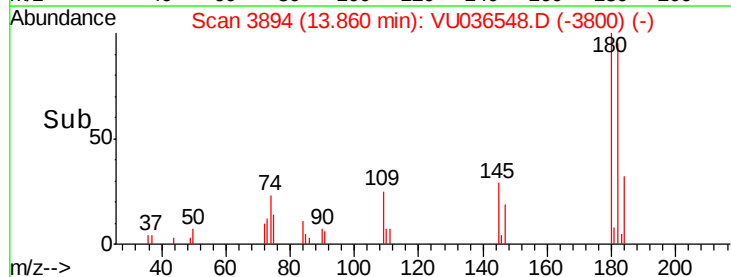
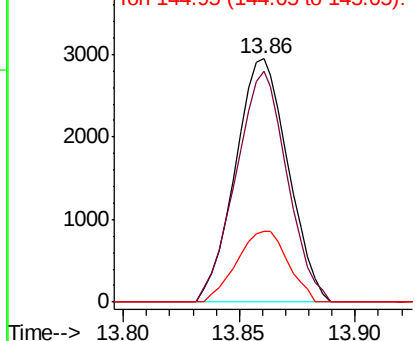


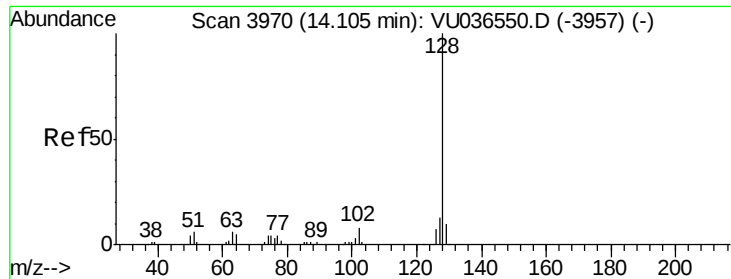
#70
 1,2,4-trichlorobenzene
 Concen: 0.378 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036548.D
 Acq: 24 Jan 2020 11:18

Tgt Ion:	180	Resp:	4658
Ion	Ratio	Lower	Upper
180	100		
182	91.8	76.2	114.4
145	28.3	23.9	35.9



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

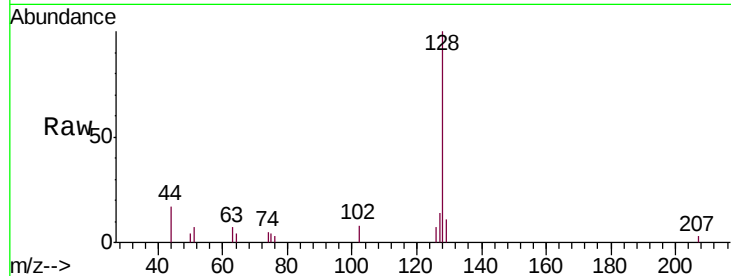




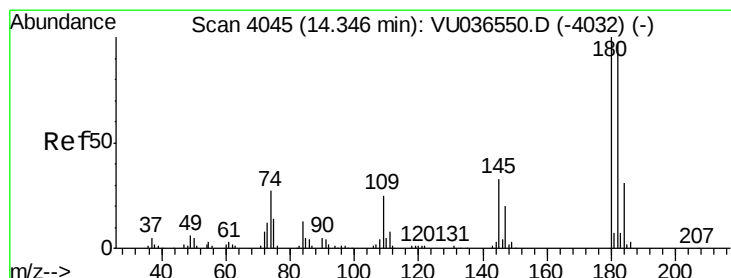
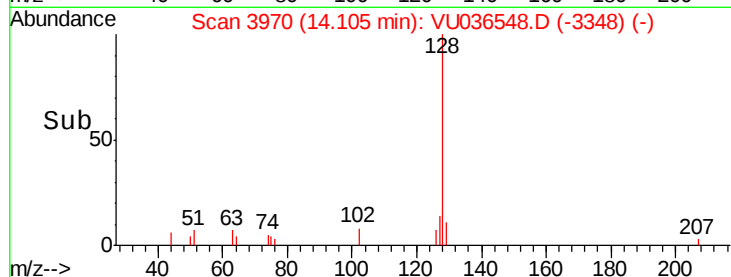
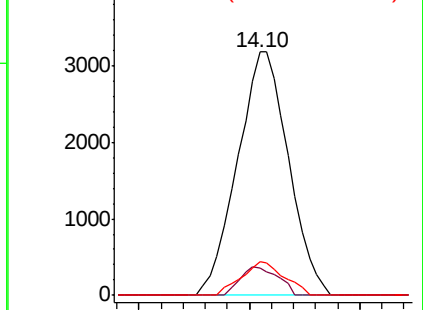
#71
Naphthalene
Concen: 0.286 ug/L
RT: 14.10 min Scan# 3970
Delta R.T. 0.00 min
Lab File: VU036548.D
Acq: 24 Jan 2020 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5601

Tgt Ion:128 Resp: 5113
Ion Ratio Lower Upper
128 100
129 8.7 8.4 12.6
127 11.5 9.9 14.9

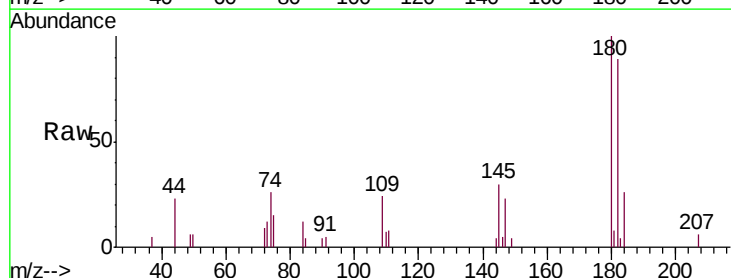


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 0.385 ug/L
RT: 14.35 min Scan# 4046
Delta R.T. 0.00 min
Lab File: VU036548.D
Acq: 24 Jan 2020 11:18

Tgt Ion:180 Resp: 4286
Ion Ratio Lower Upper
180 100
182 91.6 76.2 114.2
145 30.2 25.6 38.4



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

