

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113020\
 Data File : VU041436.D
 Acq On : 30 Nov 2020 10:51
 Operator : SY/MD
 Sample : VSTD00535
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005205

Quant Time: Dec 01 00:30:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR113020WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 01 00:28:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	61812	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	62061	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	33978	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22054	4.52	ug/L	0.00
7) Chloroethane-d5	1.92	69	16808	4.76	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	10235	4.58	ug/L	0.00
20) 2-Butanone-d5	4.65	46	69734	53.58	ug/L	0.00
24) Chloroform-d	5.08	84	48676	4.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	30871	5.11	ug/L	0.00
32) Benzene-d6	5.74	84	78964	5.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	22652	5.05	ug/L	0.00
41) Toluene-d8	7.91	98	77082	5.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	12737	5.31	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	50750	54.43	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	23317	5.02	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	30628	5.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	35952	4.991	ug/L 100
3) Chloromethane	1.53	50	26377	4.534	ug/L 100
5) Vinyl chloride	1.61	62	27897	4.909	ug/L 100
6) Bromomethane	1.87	94	16337	5.305	ug/L 100
8) Chloroethane	1.94	64	16376	4.639	ug/L 100
9) Trichlorofluoromethane	2.15	101	54136	5.324	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	23857	4.995	ug/L 100
12) 1,1-Dichloroethene	2.59	96	20718	5.087	ug/L 100
13) Acetone	2.66	43	49814	50.226	ug/L 100
14) Carbon disulfide	2.81	76	57156	4.883	ug/L 100
15) Methyl Acetate	2.97	43	10383	5.149	ug/L 100
16) Methylene chloride	3.06	84	23535	3.841	ug/L 100
17) Methyl tert-butyl Ether	3.38	73	60398	5.160	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	21490	5.223	ug/L 100
19) 1,1-Dichloroethane	3.89	63	44065	5.293	ug/L 100
21) 2-Butanone	4.73	43	77418	54.721	ug/L 100
22) cis-1,2-Dichloroethene	4.69	96	24178	5.210	ug/L 100
23) Bromochloromethane	4.99	128	12151	5.446	ug/L 100
25) Chloroform	5.11	83	51897	5.273	ug/L 100
27) 1,2-Dichloroethane	5.81	62	39712	5.499	ug/L 100
29) 1,1,1-Trichloroethane	5.33	97	47586	5.412	ug/L 100
30) Cyclohexane	5.40	56	34940	5.582	ug/L 100
31) Carbon tetrachloride	5.54	117	44197	5.532	ug/L 100
33) Benzene	5.79	78	93546	5.386	ug/L 100
34) Trichloroethene	6.56	95	25058	5.393	ug/L 100
35) Methylcyclohexane	6.77	83	33943	5.274	ug/L 100
37) 1,2-Dichloropropane	6.80	63	22980	5.244	ug/L 100
38) Bromodichloromethane	7.11	83	37224	5.367	ug/L 100
39) cis-1,3-Dichloropropene	7.62	75	37327	5.435	ug/L 100
40) 4-Methyl-2-pentanone	7.80	43	172430	55.549	ug/L 100

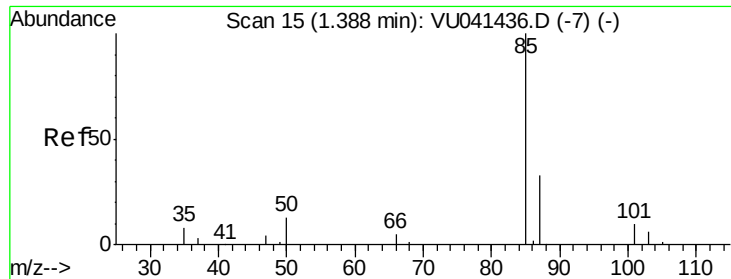
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113020\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	101964	5.480	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	37155	5.573	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	18953	5.382	ug/L	100
47) Tetrachloroethene	8.56	164	19405	5.376	ug/L	100
48) 2-Hexanone	8.69	43	139599	57.967	ug/L	100
49) Dibromochloromethane	8.82	129	25672	5.499	ug/L	100
50) 1,2-Dibromoethane	8.93	107	18508	5.331	ug/L	100
51) Chlorobenzene	9.45	112	65814	5.218	ug/L	100
52) Ethylbenzene	9.57	91	115451	5.412	ug/L	100
53) m,p-Xylene	9.69	106	43614	5.655	ug/L	100
54) o-Xylene	10.10	106	40362	5.445	ug/L	100
55) Styrene	10.11	104	73742	5.624	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	25608	5.471	ug/L	100
59) Bromoform	10.29	173	15206	5.596	ug/L	100
60) Isopropylbenzene	10.48	105	115966	5.587	ug/L	100
61) 1,2,3-Trichloropropane	10.82	75	18810	5.201	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	97430	5.508	ug/L	100
63) 1,2,4-Trimethylbenzene	11.47	105	100334	5.492	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	57448	5.423	ug/L	100
65) 1,4-Dichlorobenzene	11.83	146	57252	5.284	ug/L	100
67) 1,2-Dichlorobenzene	12.21	146	54357	5.292	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.99	75	5243	5.577	ug/L	100
69) 1,3,5-Trichlorobenzene	13.21	180	42027	5.155	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	34540	5.081	ug/L	100
71) Naphthalene	14.08	128	57939	4.958	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	32382	5.093	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.991 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

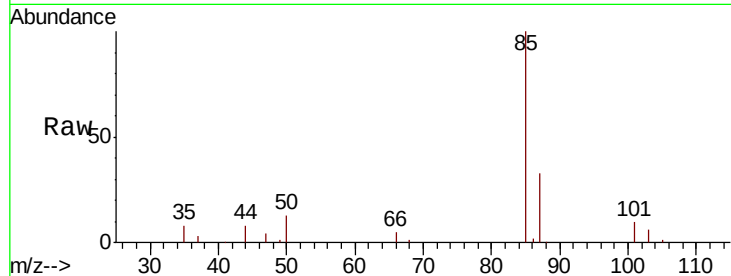
VSTD005205

Tot Ion: 85 Resp: 35952

Ion Ratio Lower Upper

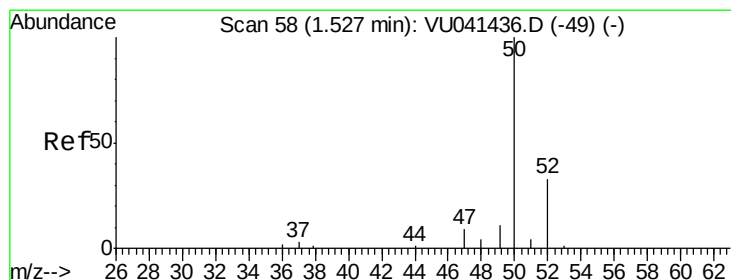
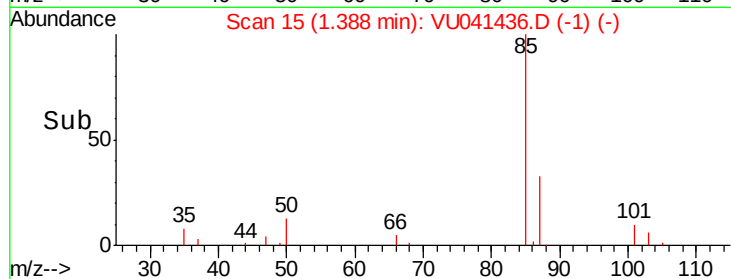
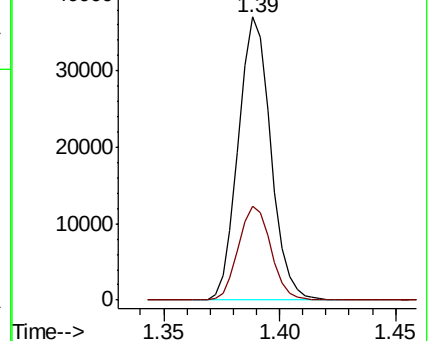
85 100

87 33.4 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.534 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041436.D

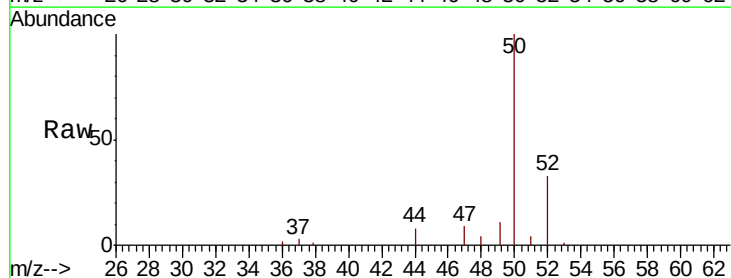
Acq: 30 Nov 2020 10:51

Tgt Ion: 50 Resp: 26377

Ion Ratio Lower Upper

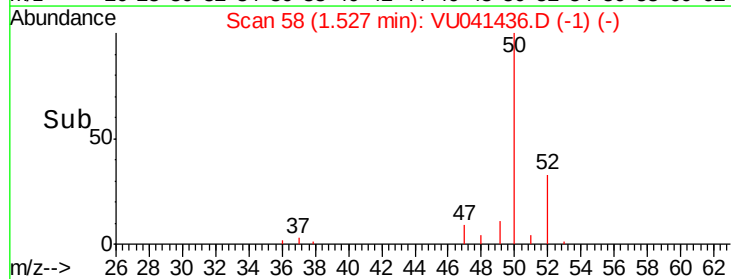
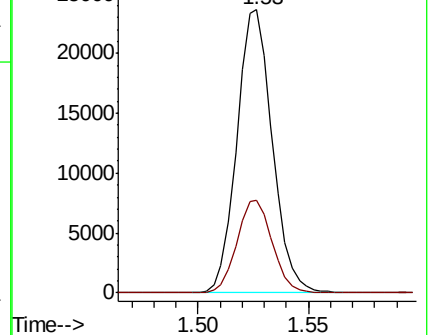
50 100

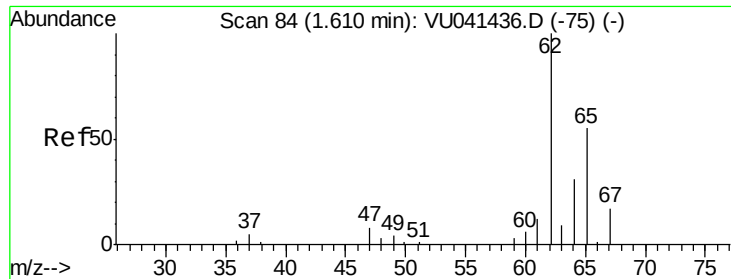
52 32.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.909 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

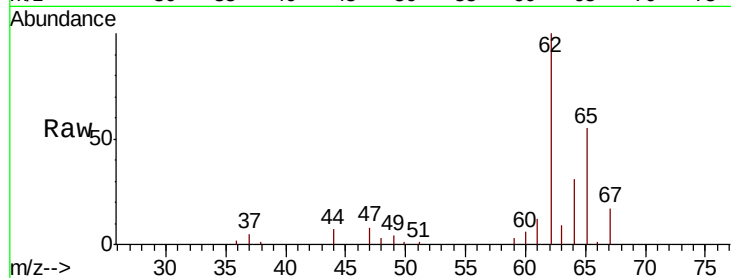
VSTD005205

Tot Ion: 62 Resp: 27897

Ion Ratio Lower Upper

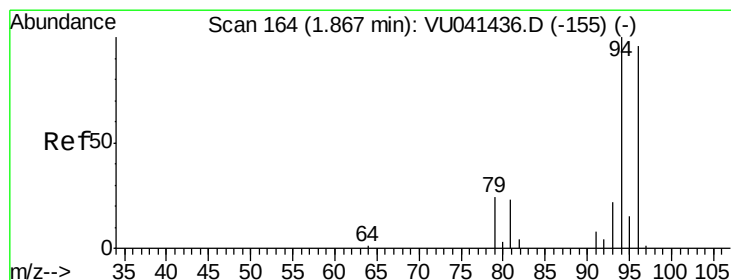
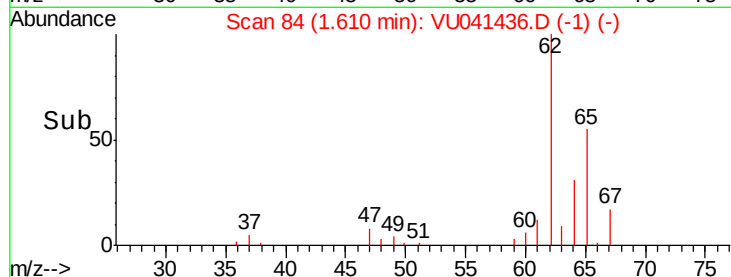
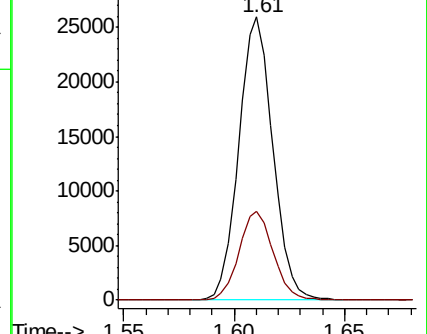
62 100

64 31.4 22.0 40.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.305 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041436.D

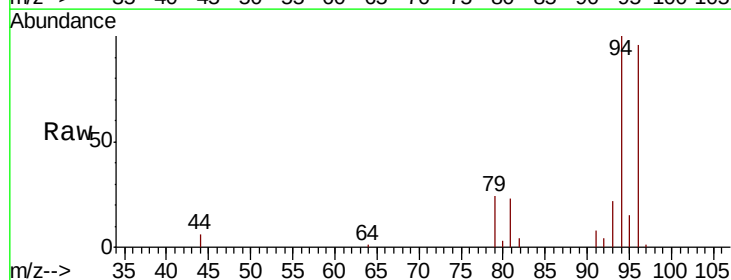
Acq: 30 Nov 2020 10:51

Tgt Ion: 94 Resp: 16337

Ion Ratio Lower Upper

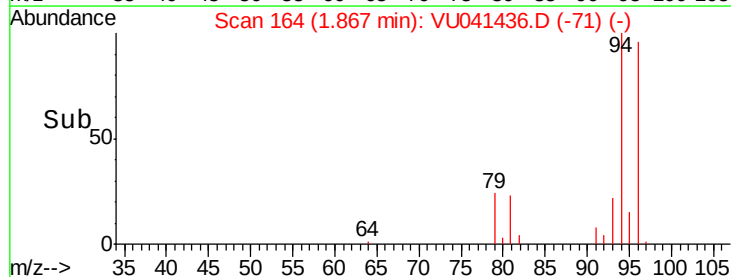
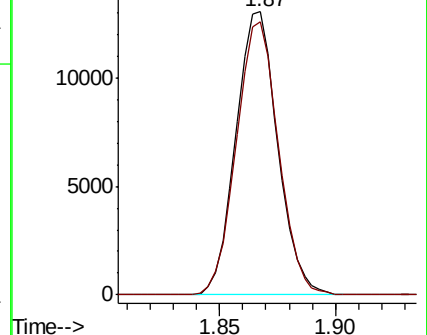
94 100

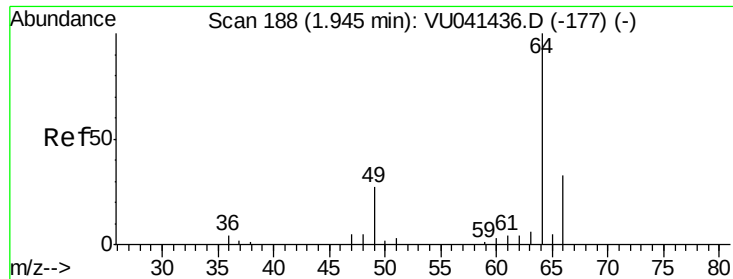
96 96.4 67.5 125.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

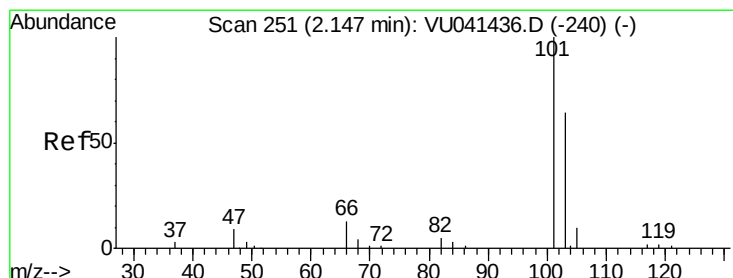
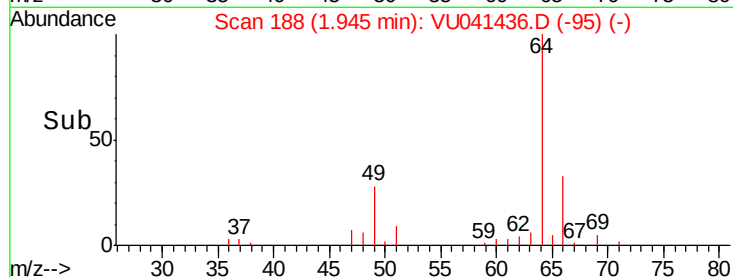
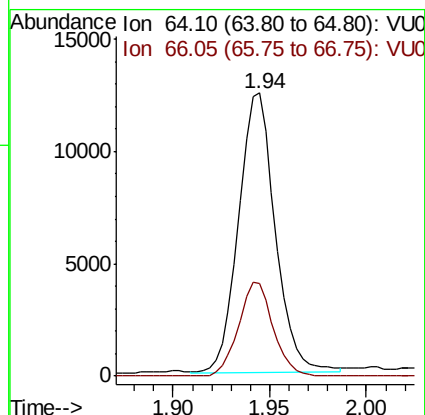
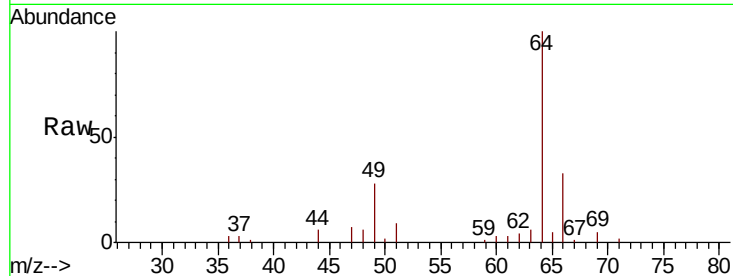




#8
 Chloroethane
 Concen: 4.639 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

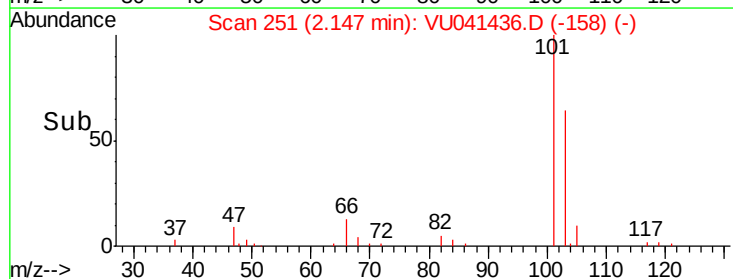
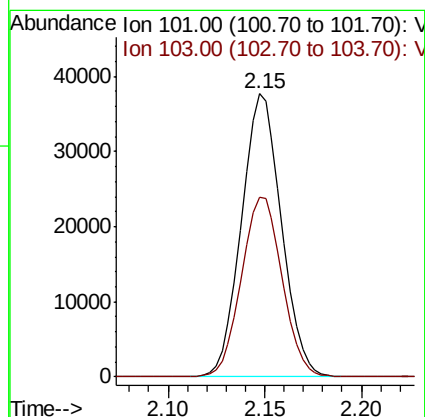
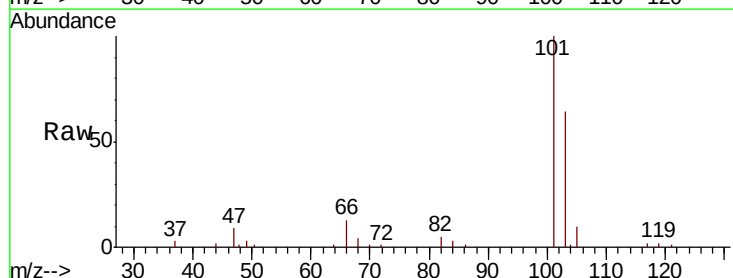
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005205

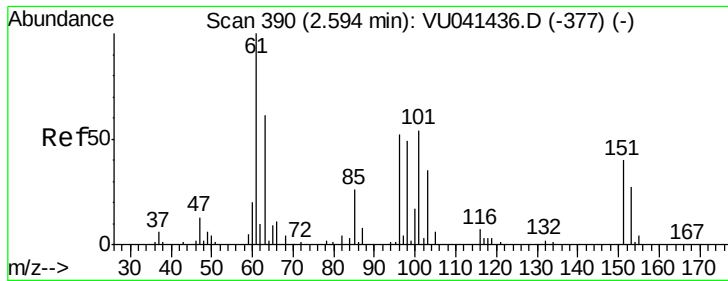
Tot Ion: 64 Resp: 16376
 Ion Ratio Lower Upper
 64 100
 66 32.9 23.0 42.8



#9
 Trichlorofluoromethane
 Concen: 5.324 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

Tgt Ion: 101 Resp: 54136
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.8 77.8





#10

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

Concen: 4.995 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD005205

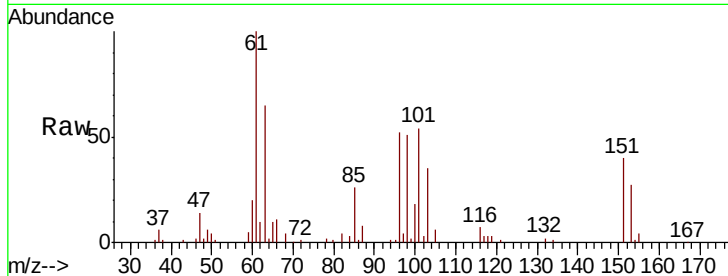
Tot Ion:101 Resp: 23857

Ion Ratio Lower Upper

101 100

85 49.2 39.4 59.0

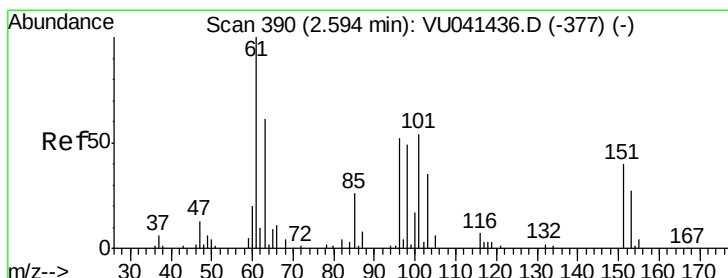
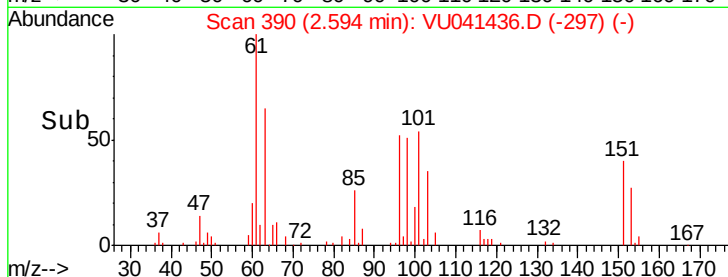
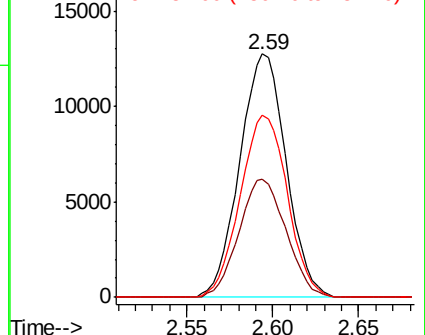
151 75.9 60.7 91.1



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: 5.087 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

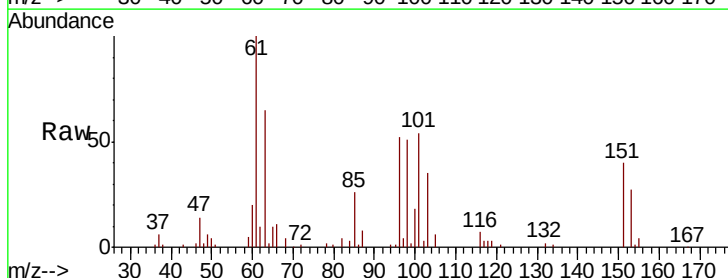
Tgt Ion: 96 Resp: 20718

Ion Ratio Lower Upper

96 100

61 190.5 133.3 247.7

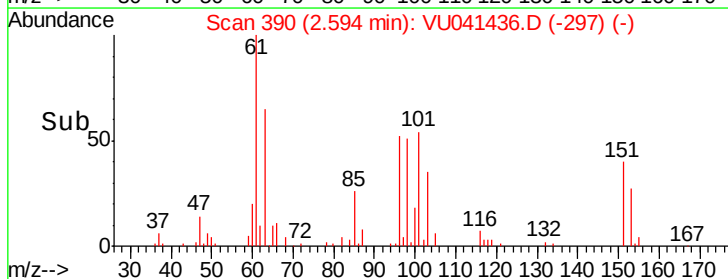
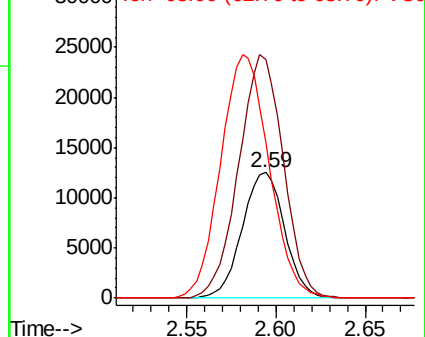
63 123.7 86.6 160.8

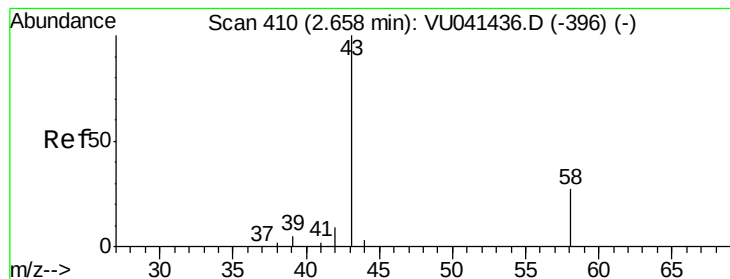


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.226 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

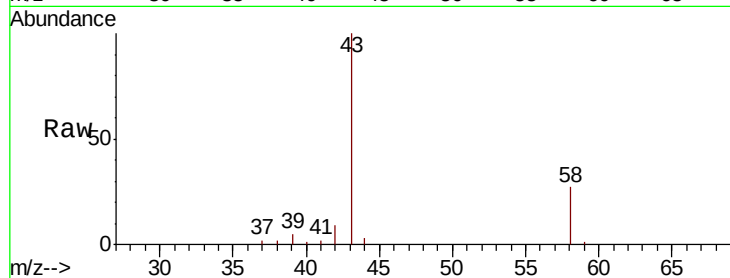
VSTD005205

Tot Ion: 43 Resp: 49814

Ion Ratio Lower Upper

43 100

58 27.4 0.0 54.8



Abundance Ion 43.05 (42.75 to 43.75): VU041436.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU041436.D (-396) (-)

2.66

15000

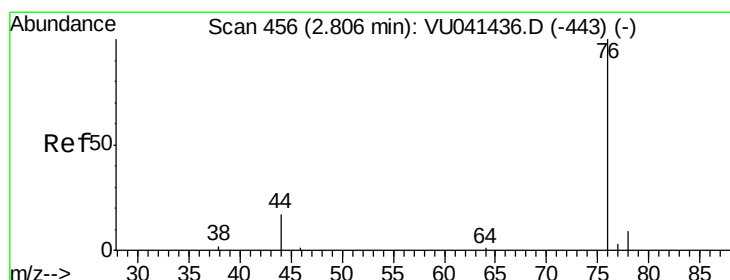
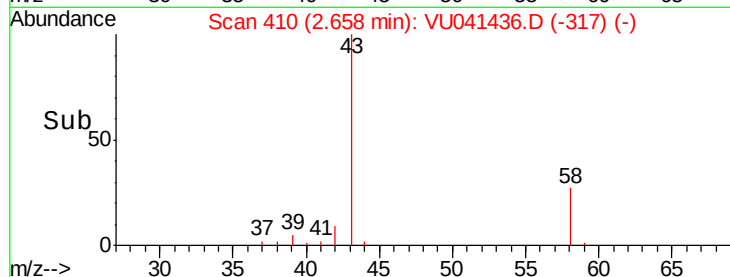
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5000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 4.883 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041436.D

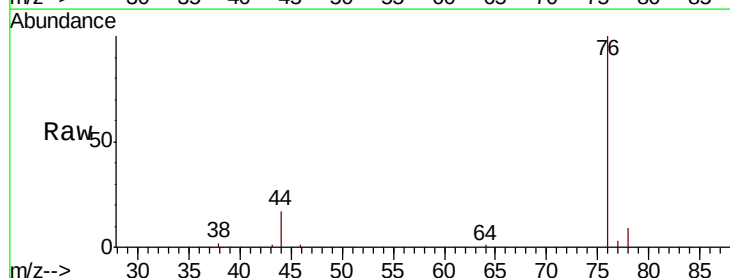
Acq: 30 Nov 2020 10:51

Tgt Ion: 76 Resp: 57156

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU041436.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041436.D (-443) (-)

2.81

40000

30000

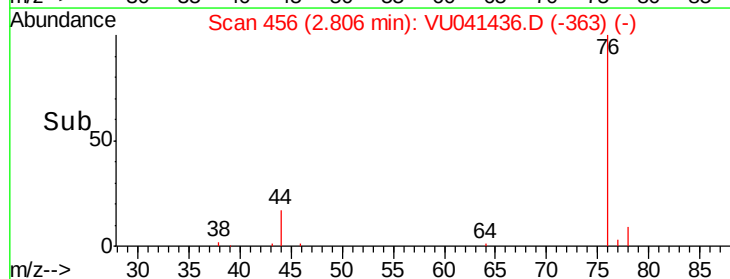
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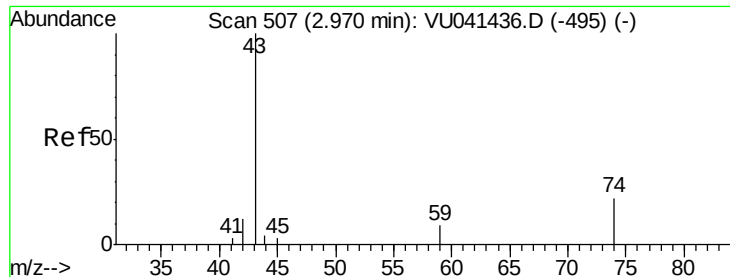
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Time-->

2.75 2.80 2.85 2.90

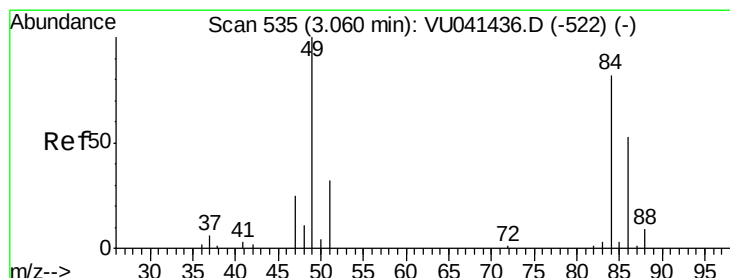
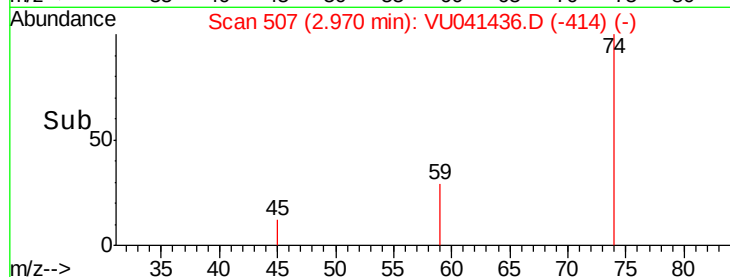
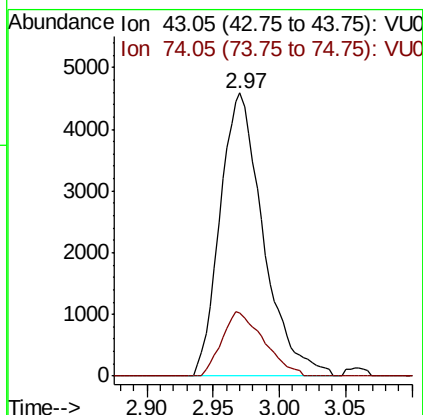
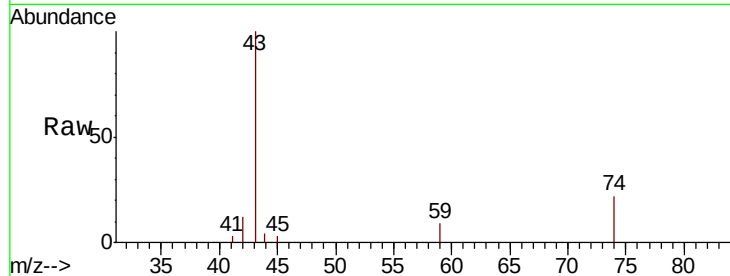




#15
Methyl Acetate
Concen: 5.149 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU041436.D
Acq: 30 Nov 2020 10:51

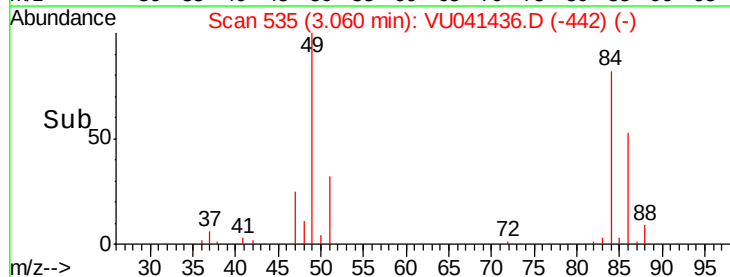
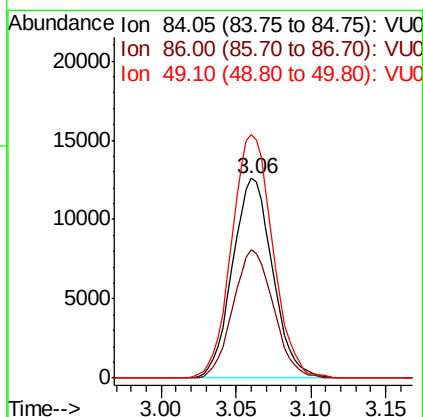
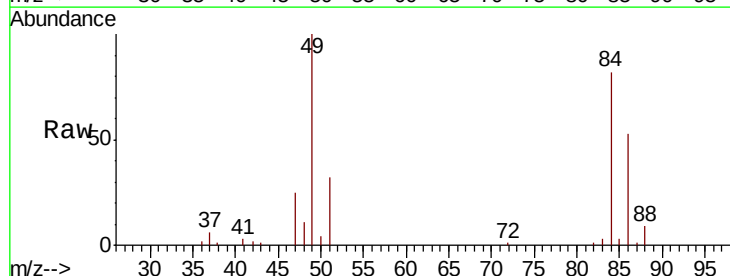
Instrument :
MSVOA_U
ClientSampleId :
VSTD005205

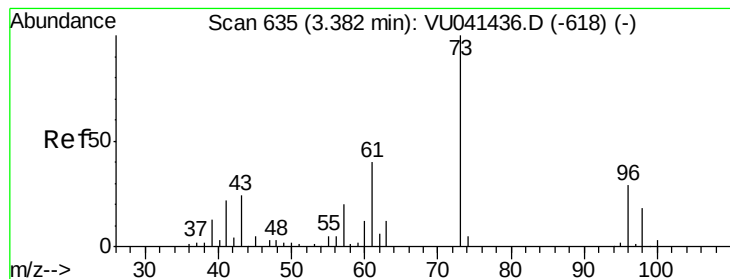
Tot Ion: 43 Resp: 10383
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.6



#16
Methylene chloride
Concen: 3.841 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041436.D
Acq: 30 Nov 2020 10:51

Tgt Ion: 84 Resp: 23535
Ion Ratio Lower Upper
84 100
86 64.0 44.8 83.2
49 121.8 85.3 158.3





#17

Methyl tert-butyl Ether

Concen: 5.160 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD005205

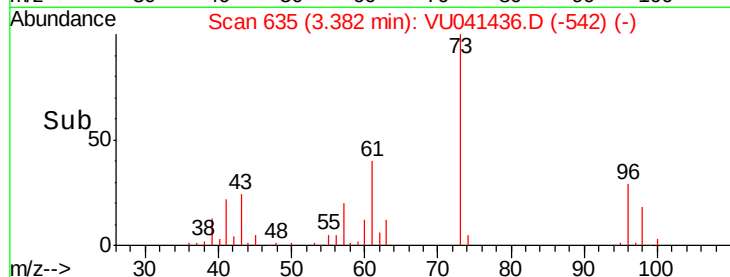
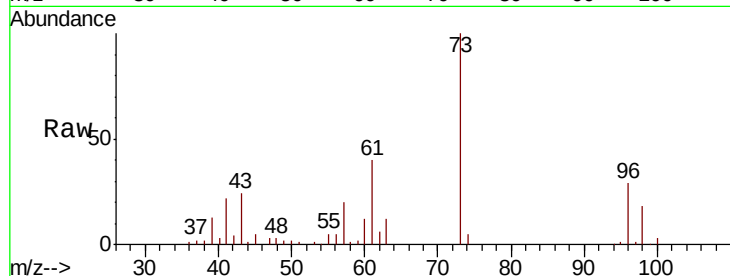
Tot Ion: 73 Resp: 60398

Ion Ratio Lower Upper

73 100

43 24.0 19.2 28.8

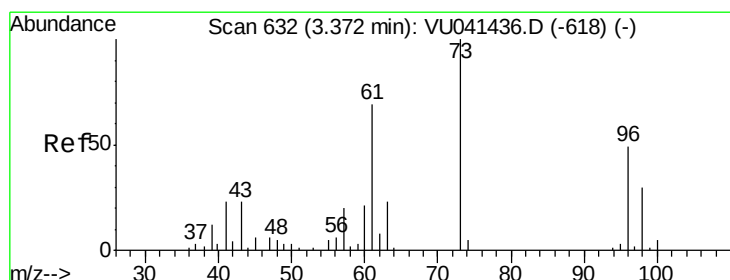
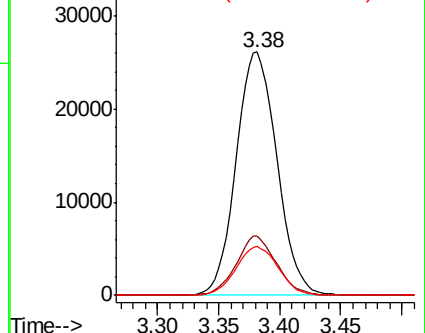
57 20.6 16.5 24.7



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: 5.223 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

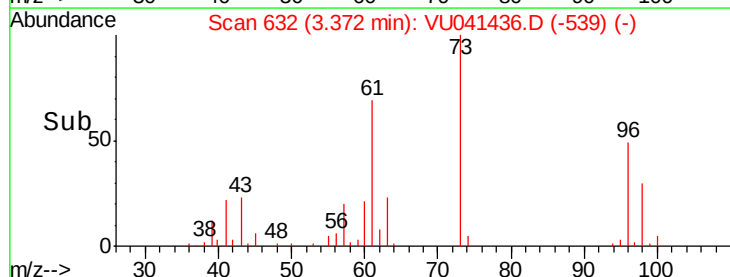
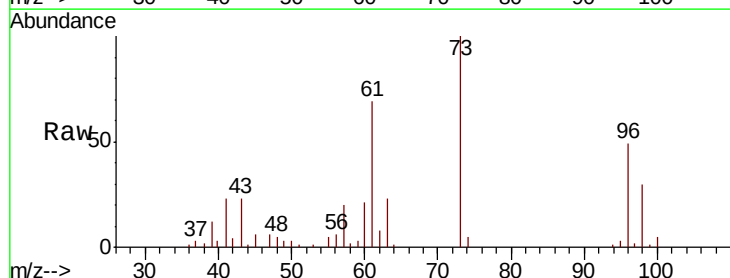
Tgt Ion: 96 Resp: 21490

Ion Ratio Lower Upper

96 100

61 142.8 100.0 185.6

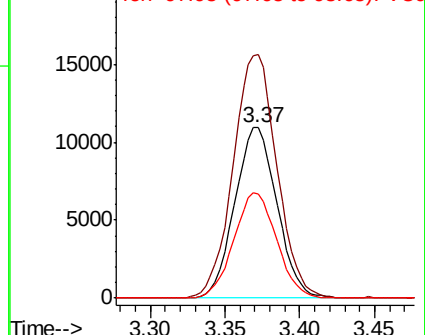
98 60.9 42.6 79.2

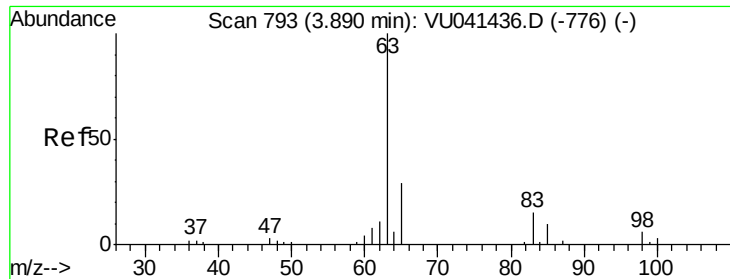


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

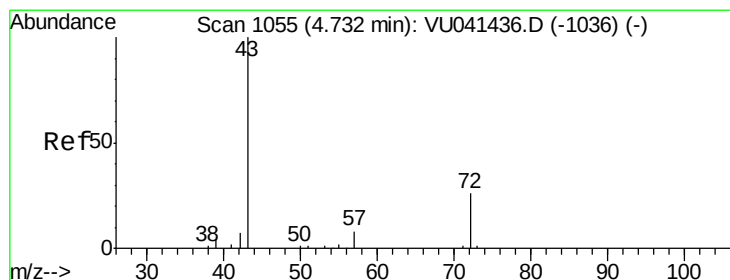
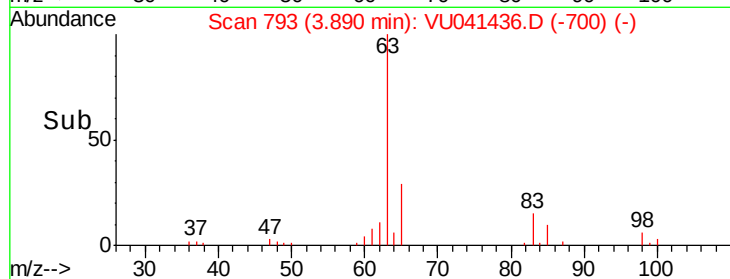
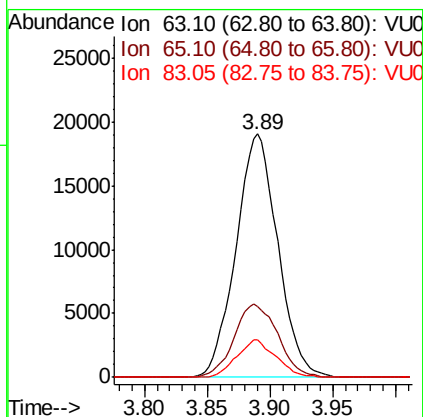
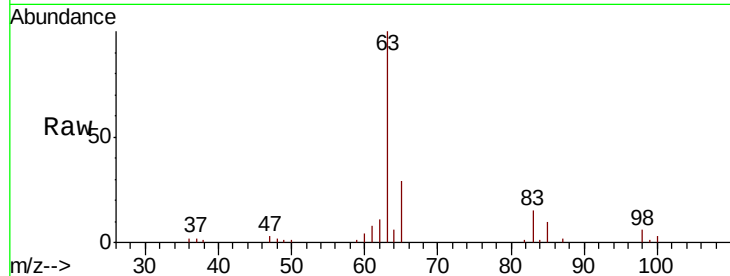




#19
 1,1-Dichloroethane
 Concen: 5.293 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

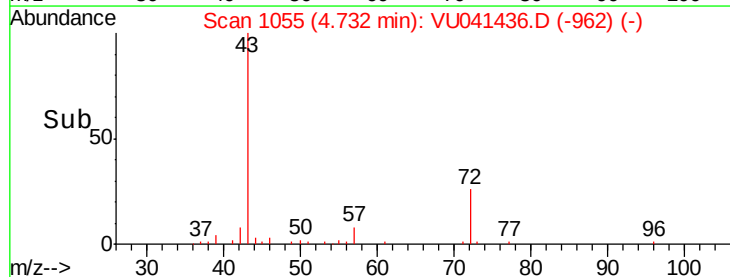
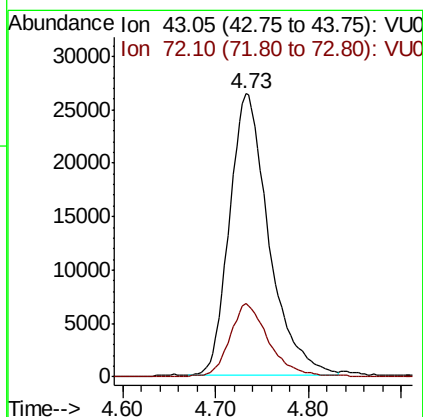
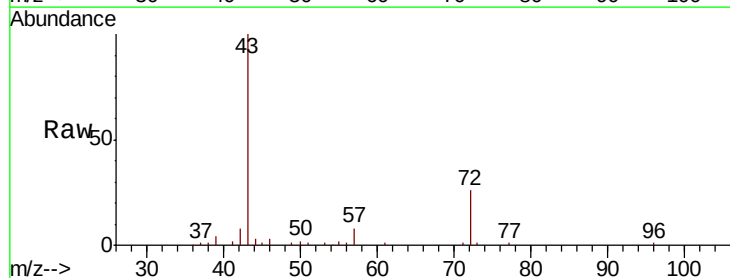
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005205

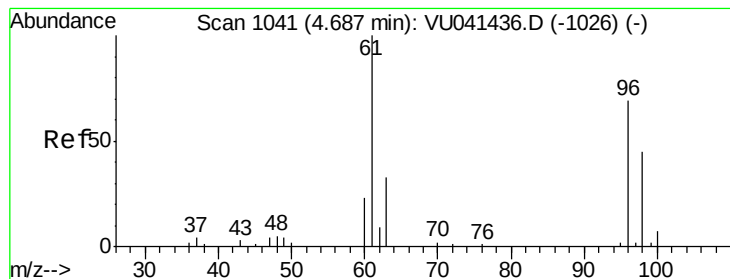
Tot Ion: 63 Resp: 44065
 Ion Ratio Lower Upper
 63 100
 65 28.9 20.2 37.6
 83 15.4 10.8 20.0



#21
 2-Butanone
 Concen: 54.721 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

Tgt Ion: 43 Resp: 77418
 Ion Ratio Lower Upper
 43 100
 72 25.7 12.9 38.6





#22

cis-1,2-Dichloroethene

Concen: 5.210 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD005205

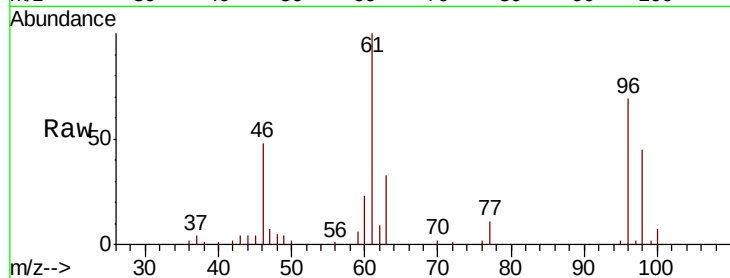
Tot Ion: 96 Resp: 24178

Ion Ratio Lower Upper

96 100

61 146.0 102.2 189.8

98 65.1 45.6 84.6

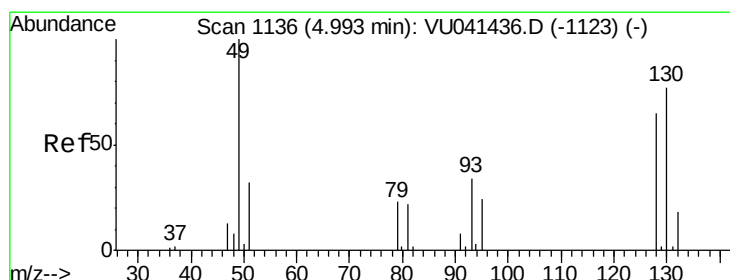
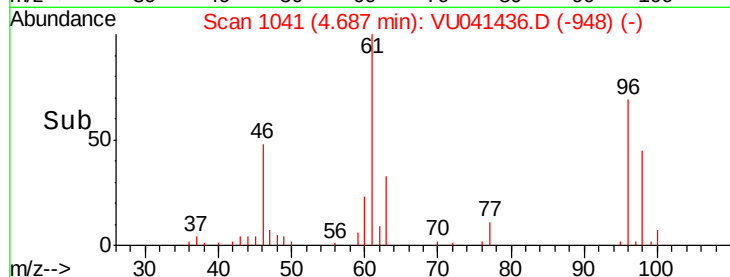
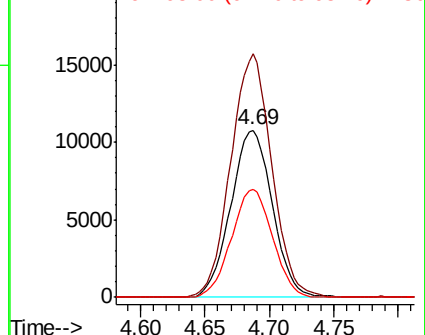


Abundance

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: 5.446 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

Tgt Ion: 128 Resp: 12151

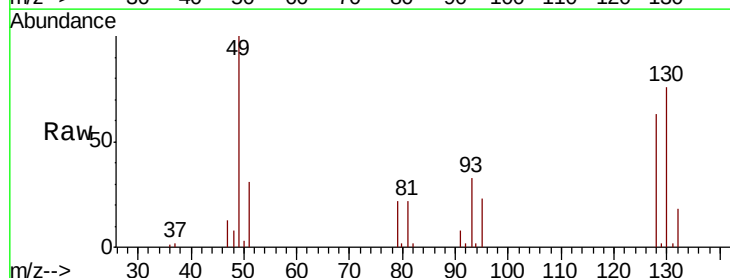
Ion Ratio Lower Upper

128 100

49 157.6 110.3 204.9

130 120.6 84.4 156.8

51 49.1 39.3 58.9



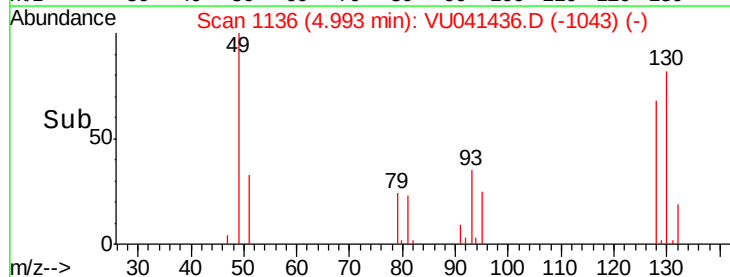
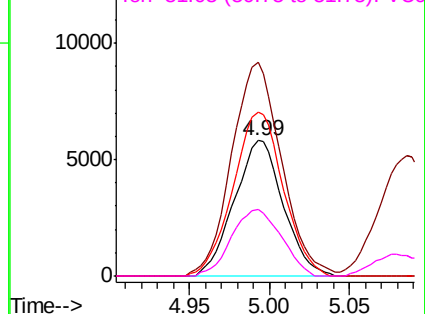
Abundance

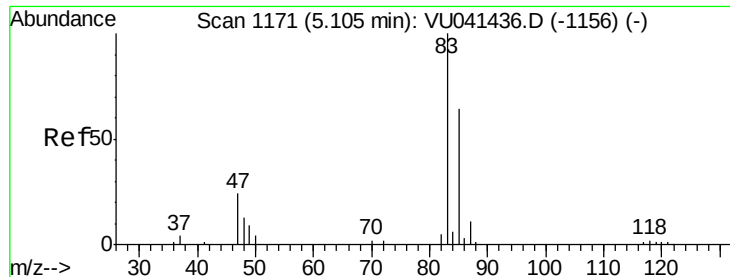
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

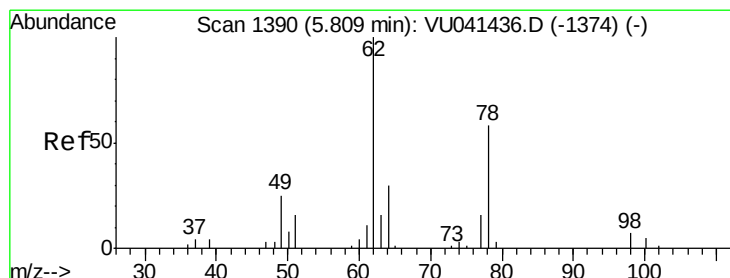
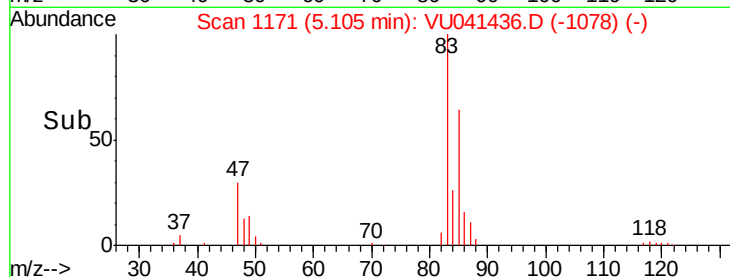
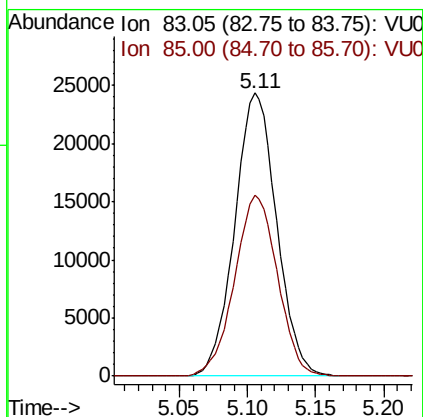
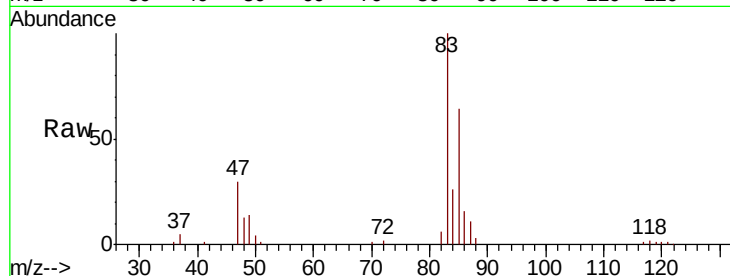




#25
Chloroform
Concen: 5.273 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041436.D
Acq: 30 Nov 2020 10:51

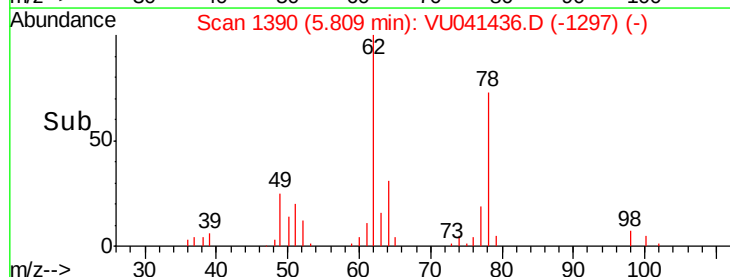
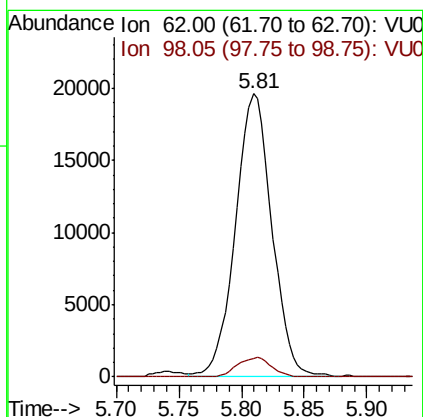
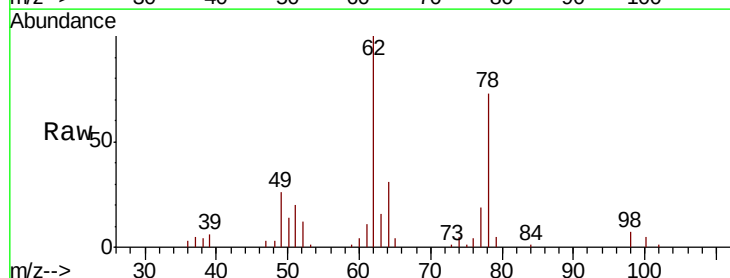
Instrument :
MSVOA_U
ClientSampleId :
VSTD005205

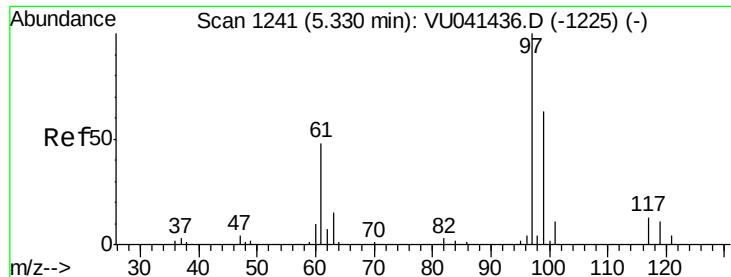
Tot Ion: 83 Resp: 51897
Ion Ratio Lower Upper
83 100
85 63.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.499 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041436.D
Acq: 30 Nov 2020 10:51

Tgt Ion: 62 Resp: 39712
Ion Ratio Lower Upper
62 100
98 6.7 5.4 8.0

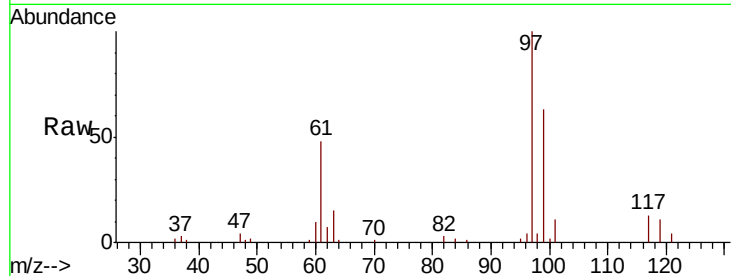




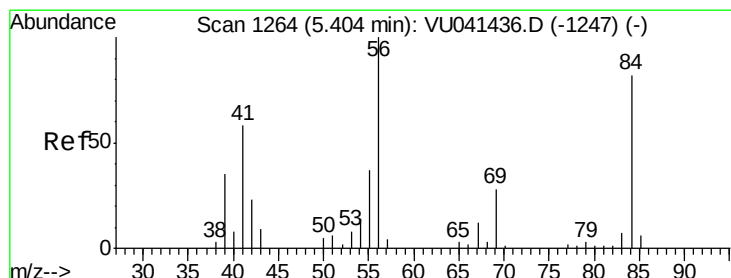
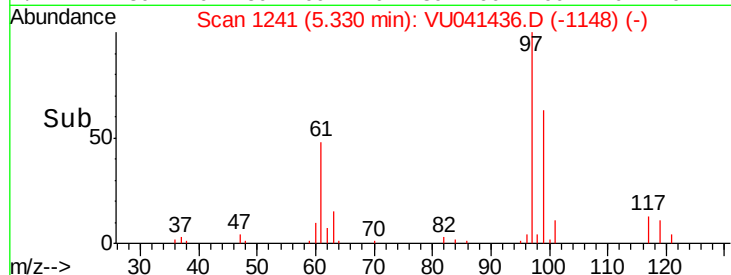
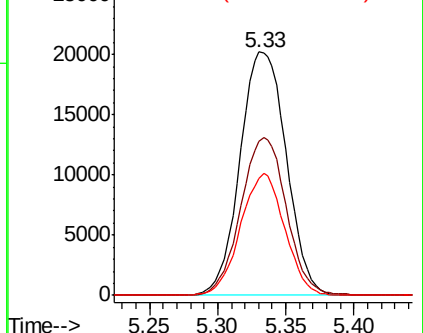
#29
1,1,1-Trichloroethane
Concen: 5.412 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VU041436.D
Acq: 30 Nov 2020 10:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD005205

Tot Ion: 97 Resp: 47586
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 47.6 38.1 57.1

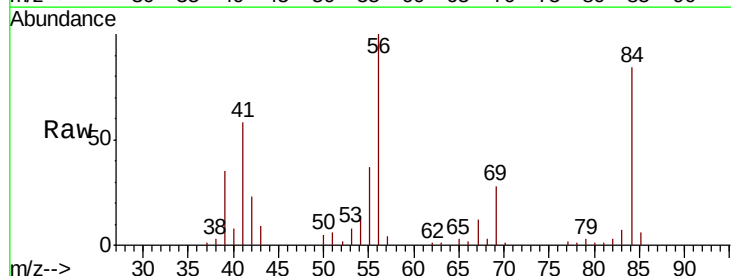


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

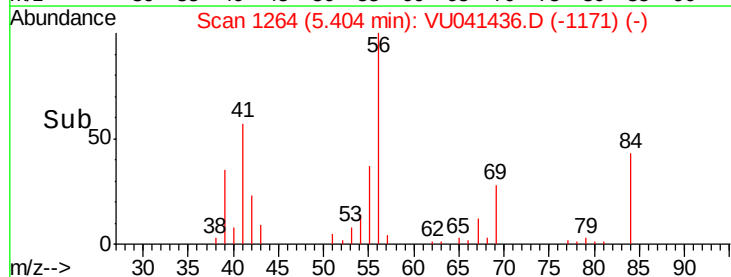
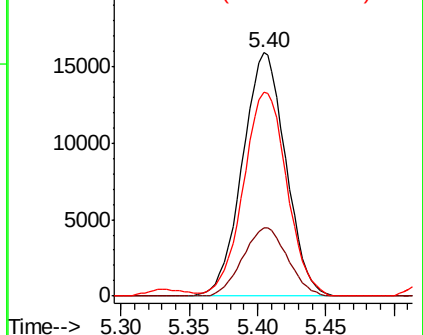


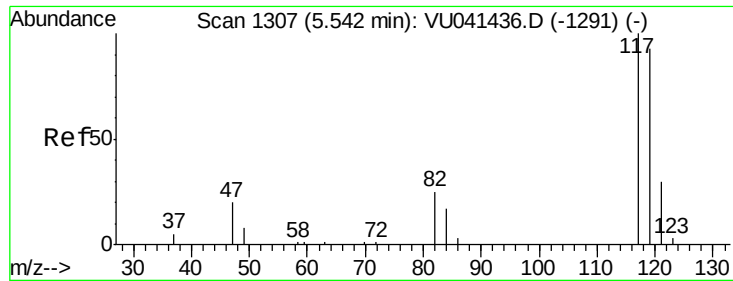
#30
Cyclohexane
Concen: 5.582 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041436.D
Acq: 30 Nov 2020 10:51

Tgt Ion: 56 Resp: 34940
Ion Ratio Lower Upper
56 100
69 29.0 23.2 34.8
84 84.7 67.8 101.6



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: 5.532 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

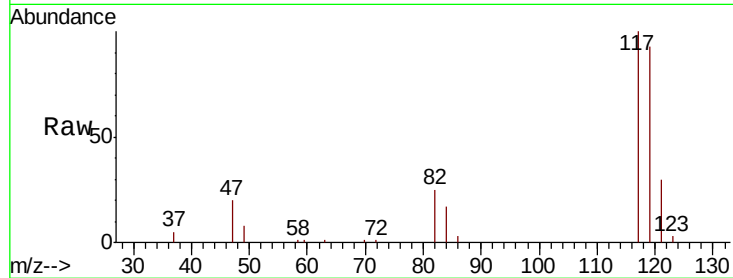
VSTD005205

Tot Ion:117 Resp: 44197

Ion Ratio Lower Upper

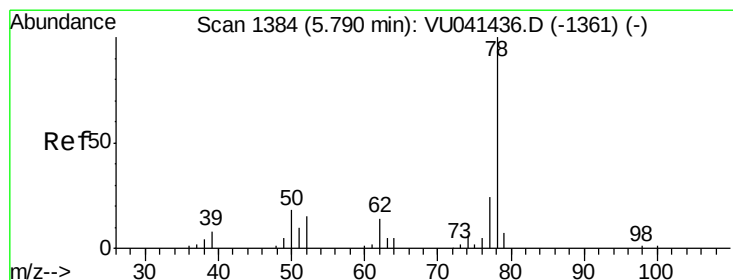
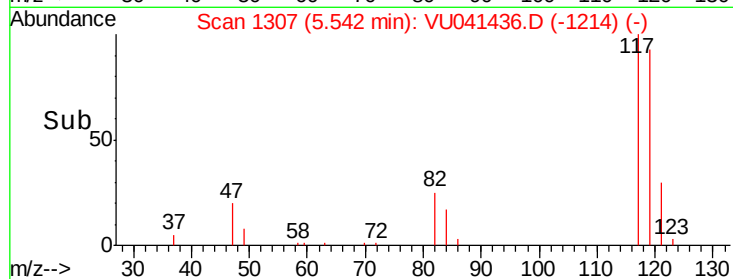
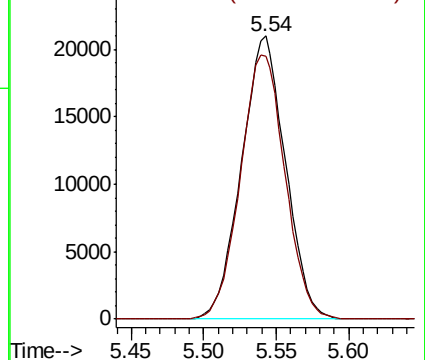
117 100

119 94.7 75.8 113.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.386 ug/L

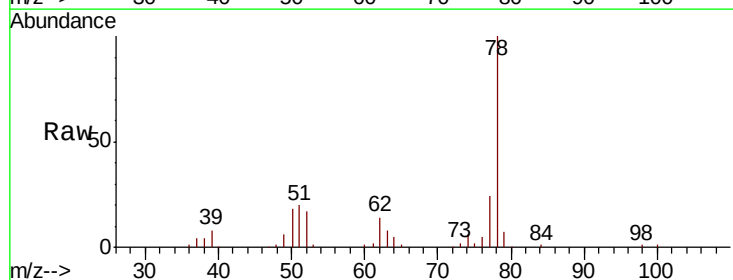
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

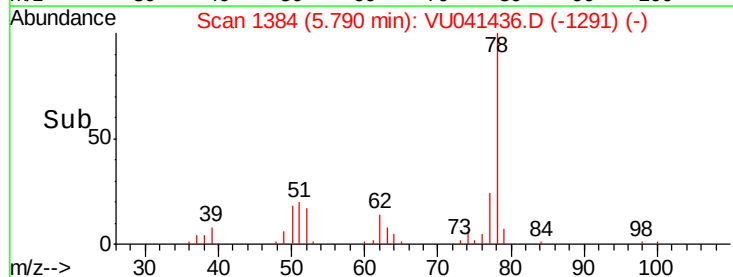
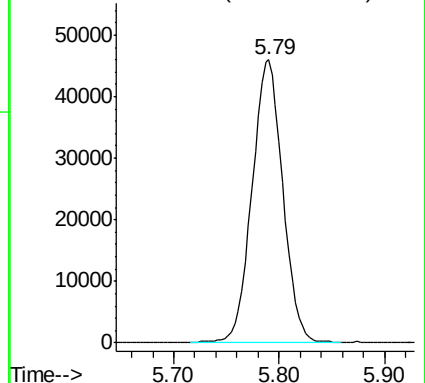
Lab File: VU041436.D

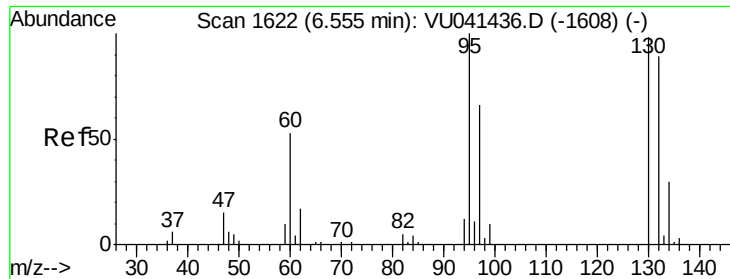
Acq: 30 Nov 2020 10:51

Tgt Ion: 78 Resp: 93546



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.393 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD005205

Tot Ion: 95 Resp: 25058

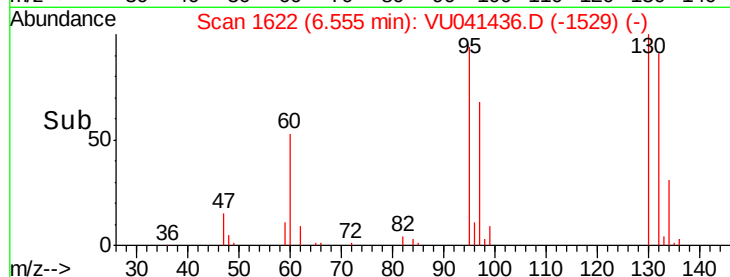
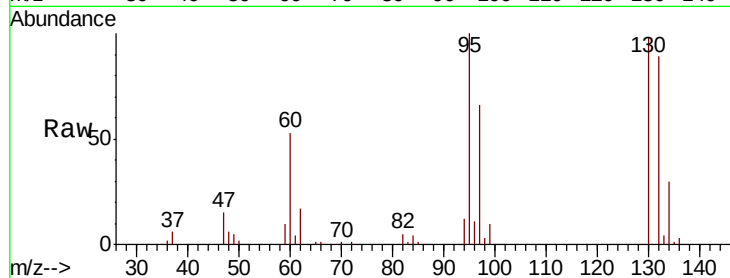
Ion Ratio Lower Upper

95 100

97 66.3 46.4 86.2

132 88.9 62.2 115.6

130 98.1 68.7 127.5



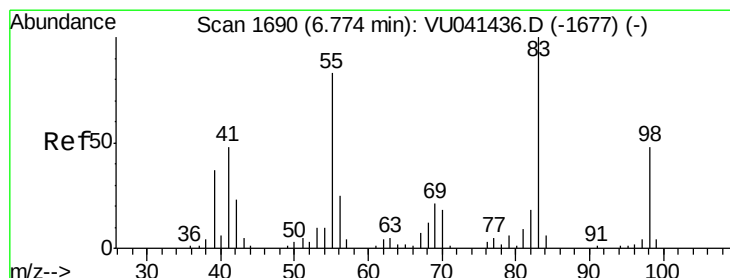
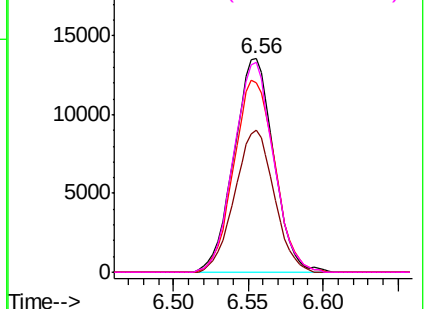
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.274 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

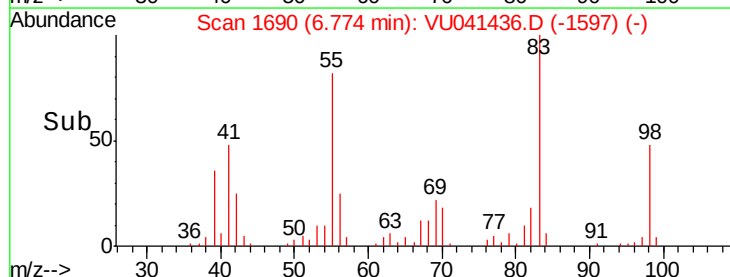
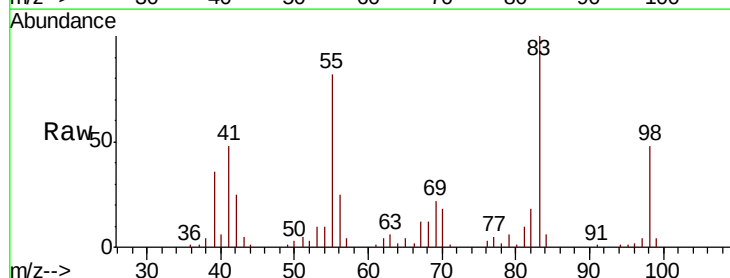
Tgt Ion: 83 Resp: 33943

Ion Ratio Lower Upper

83 100

55 83.8 67.0 100.6

98 47.8 38.2 57.4

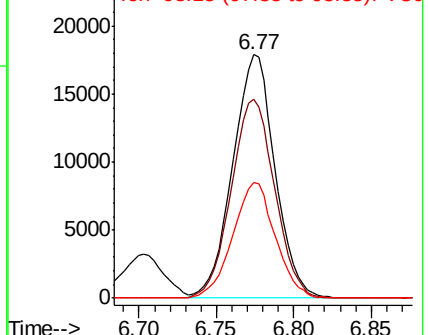


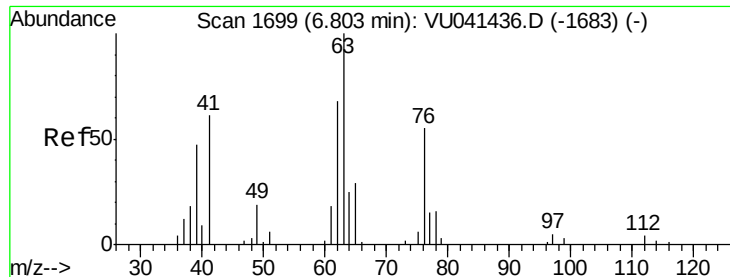
Abundance

Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

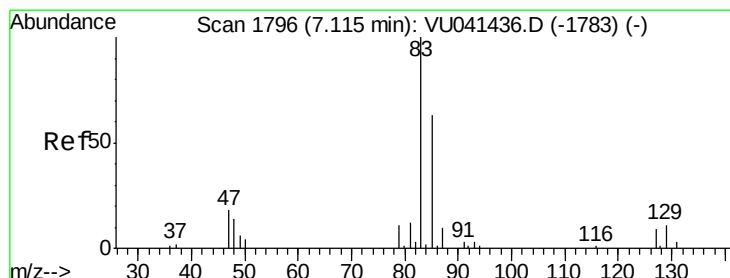
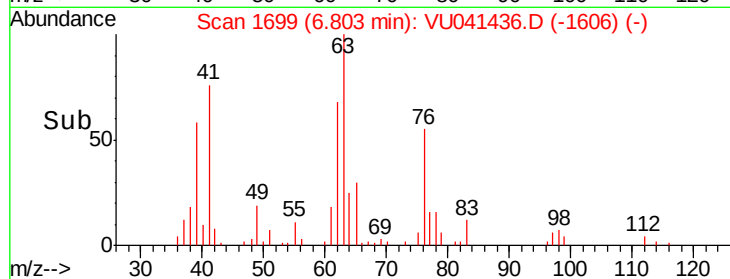
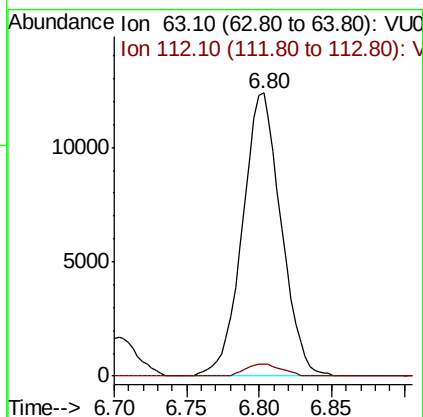
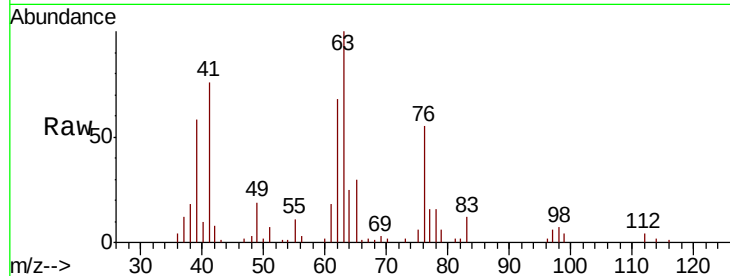




#37
 1,2-Dichloropropane
 Concen: 5.244 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

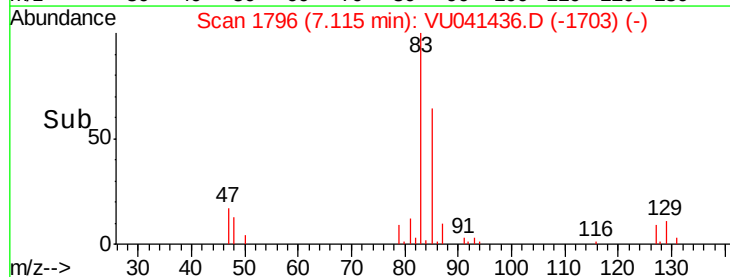
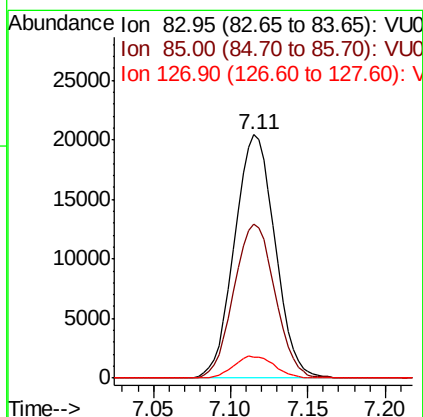
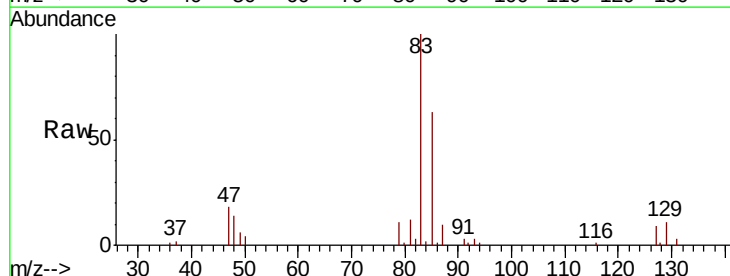
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005205

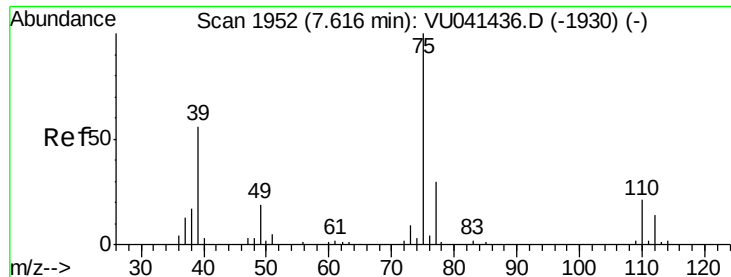
Tot Ion: 63 Resp: 22980
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.367 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

Tgt Ion: 83 Resp: 37224
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.2 82.2
 127 8.8 7.0 10.6

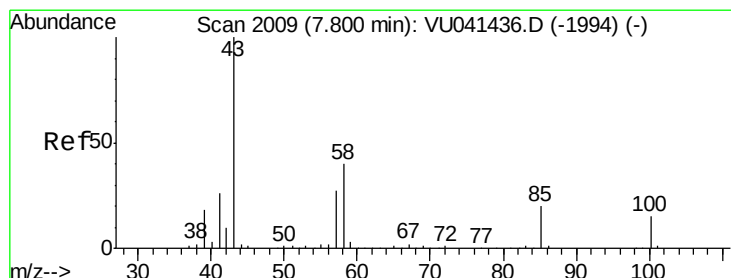
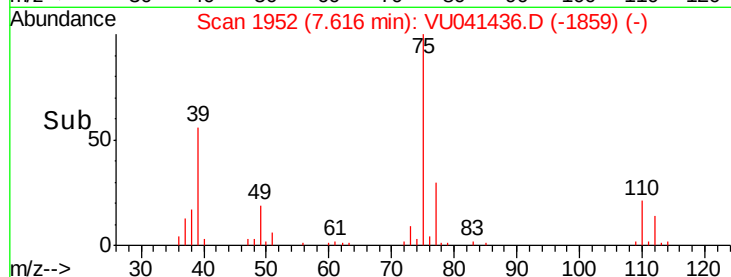
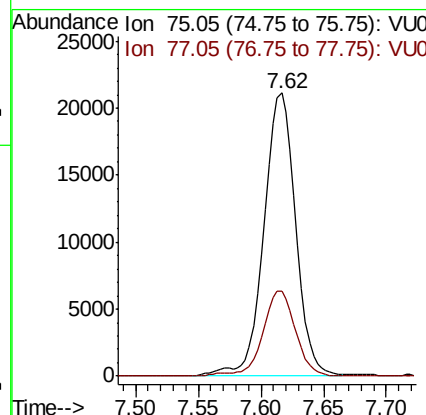
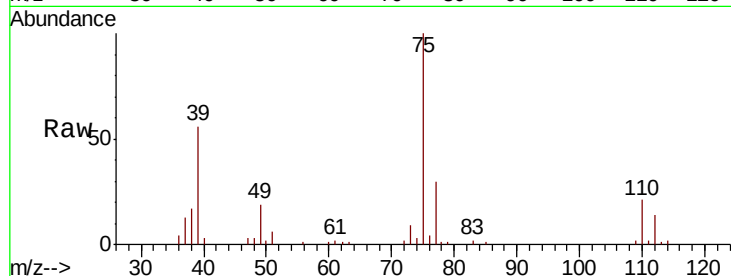




#39
 cis-1,3-Dichloropropene
 Concen: 5.435 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

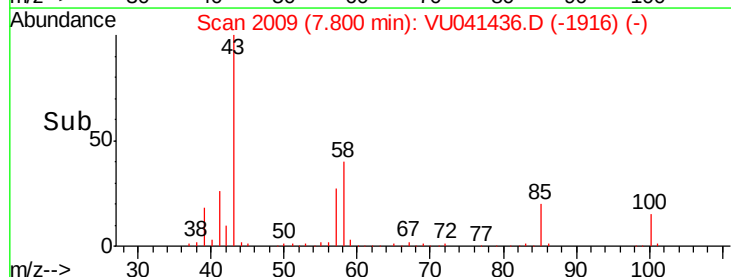
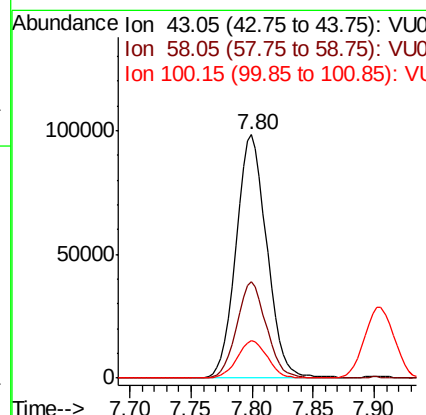
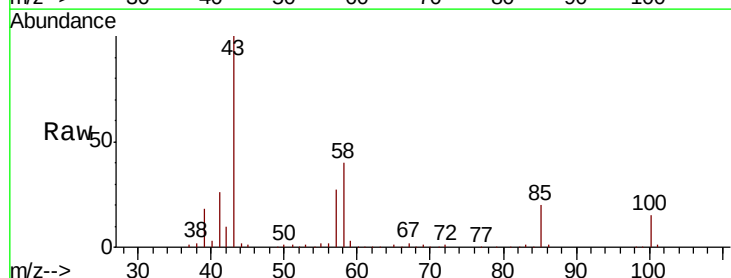
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005205

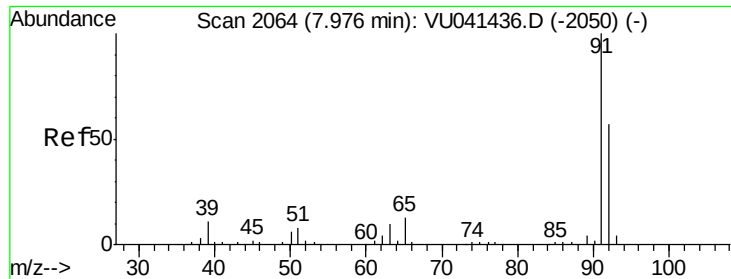
Tot Ion: 75 Resp: 37327
 Ion Ratio Lower Upper
 75 100
 77 30.0 21.0 39.0



#40
 4-Methyl-2-pentanone
 Concen: 55.549 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

Tgt Ion: 43 Resp: 172430
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.5 45.7
 100 15.1 12.1 18.1





#42

Toluene

Concen: 5.480 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

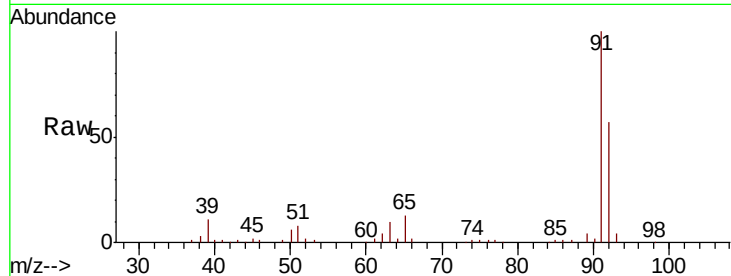
VSTD005205

Tot Ion: 91 Resp: 101964

Ion Ratio Lower Upper

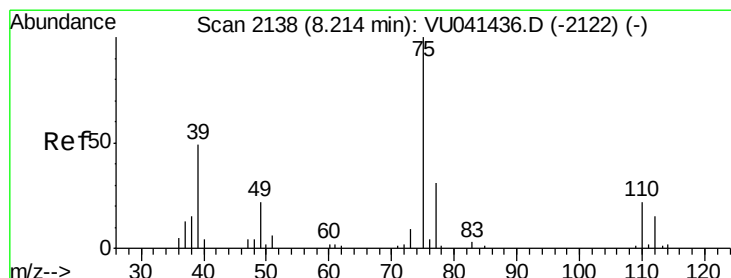
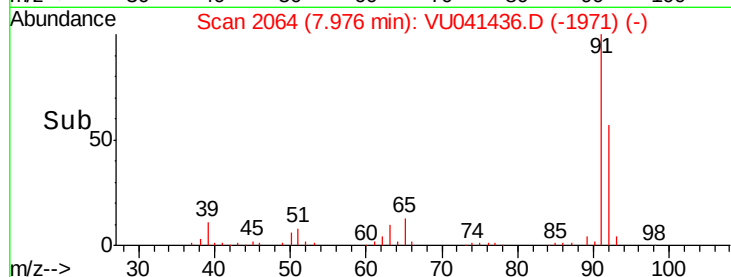
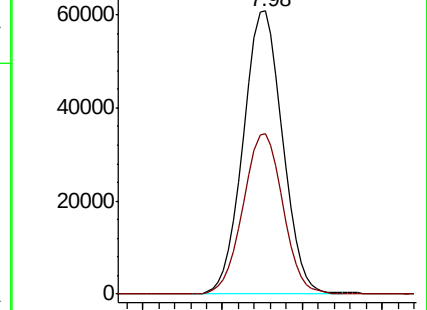
91 100

92 56.7 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VU041436.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU041436.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.573 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041436.D

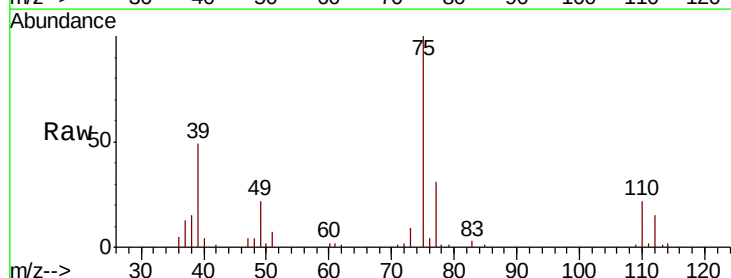
Acq: 30 Nov 2020 10:51

Tgt Ion: 75 Resp: 37155

Ion Ratio Lower Upper

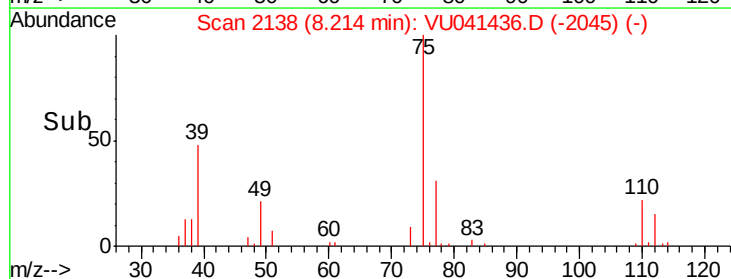
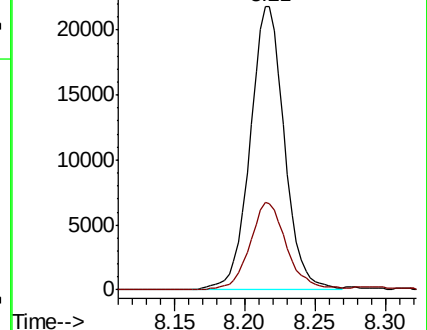
75 100

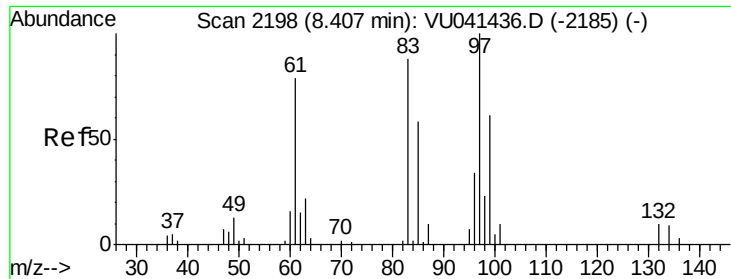
77 30.7 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VU041436.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU041436.D (-2122) (-)

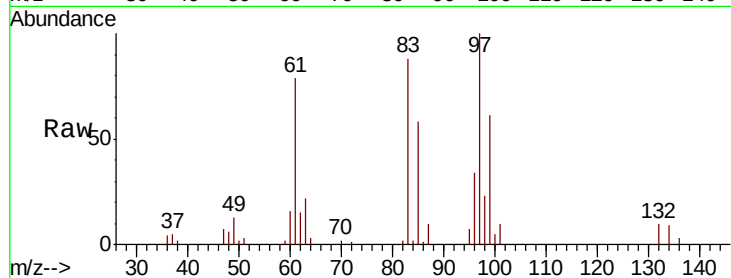




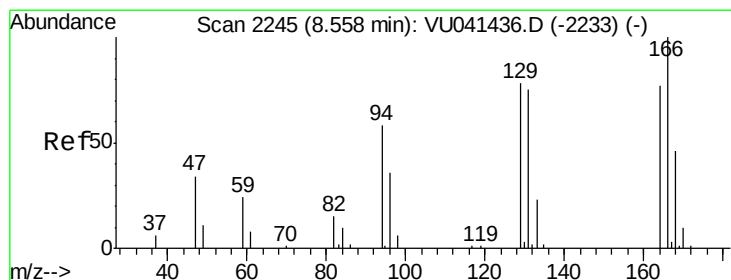
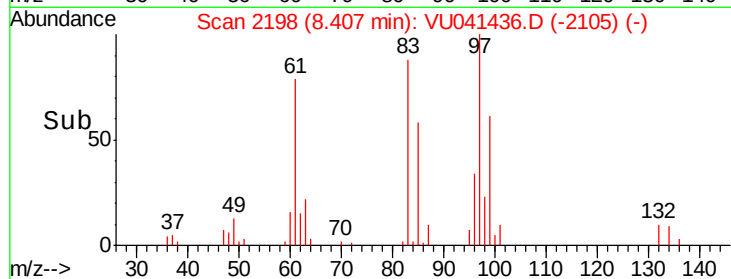
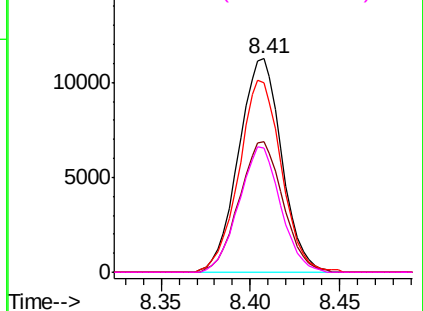
#45
 1,1,2-Trichloroethane
 Concen: 5.382 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005205

Tot Ion:	97	Resp:	18953
Ion	Ratio	Lower	Upper
97	100		
99	61.1	42.8	79.4
83	88.4	61.9	114.9
85	58.2	40.7	75.7

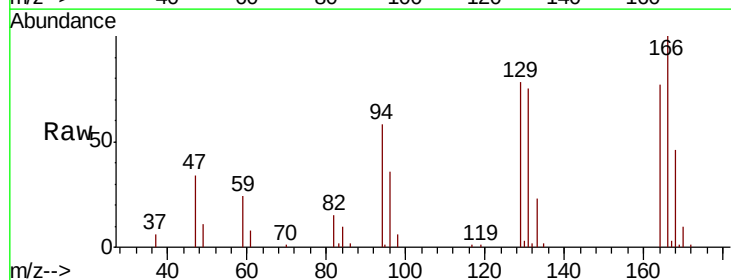


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

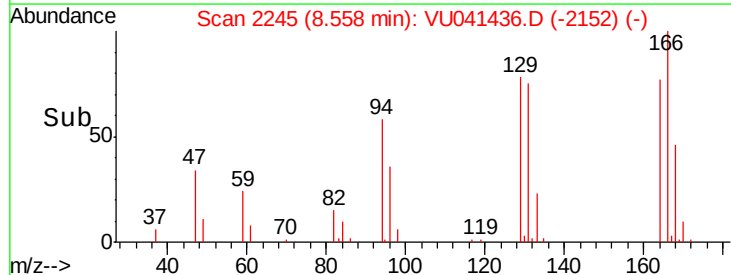
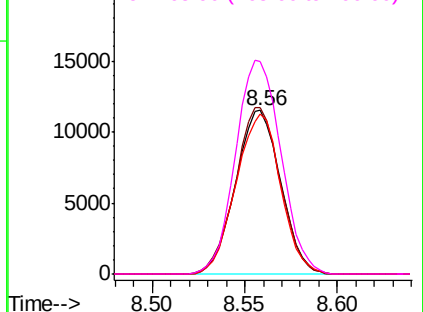


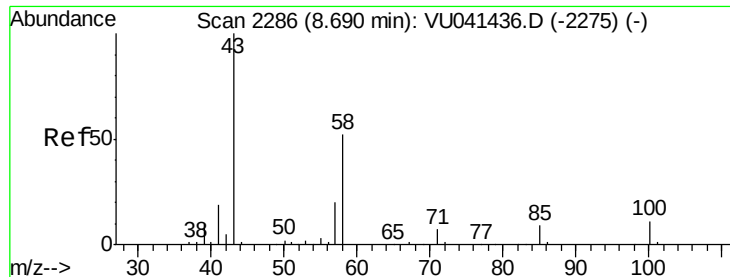
#47
 Tetrachloroethene
 Concen: 5.376 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

Tgt Ion:	164	Resp:	19405
Ion	Ratio	Lower	Upper
164	100		
129	101.9	71.3	132.5
131	97.5	68.3	126.8
166	130.0	91.0	169.0



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

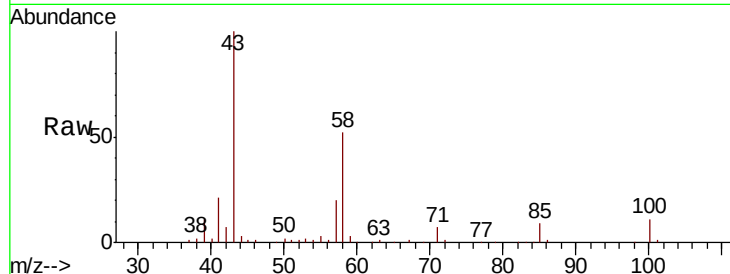




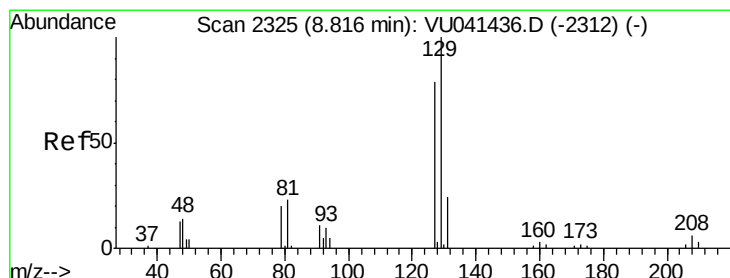
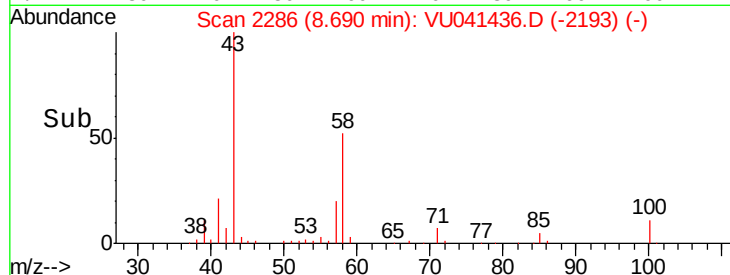
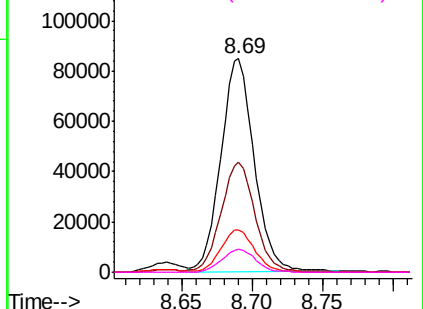
#48
2-Hexanone
Concen: 57.967 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041436.D
Acq: 30 Nov 2020 10:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD005205

Tot Ion: 43 Resp: 139599
Ion Ratio Lower Upper
43 100
58 52.5 42.0 63.0
57 20.0 16.0 24.0
100 11.1 8.9 13.3

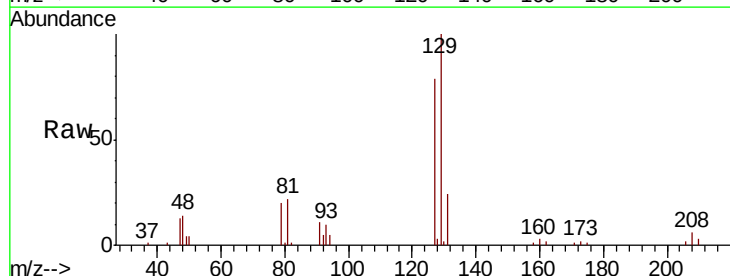


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

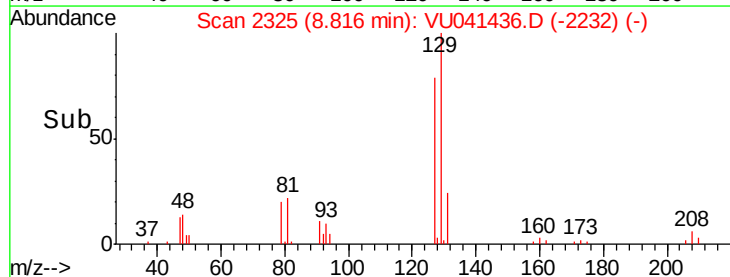
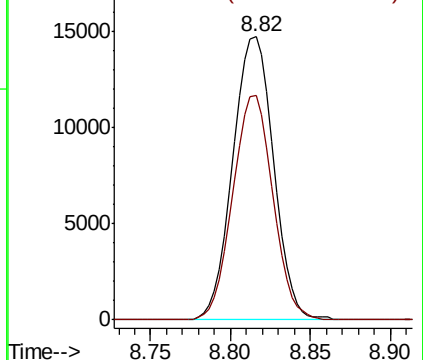


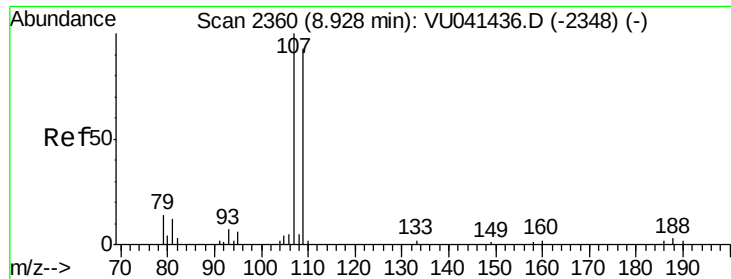
#49
Dibromochloromethane
Concen: 5.499 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041436.D
Acq: 30 Nov 2020 10:51

Tgt Ion: 129 Resp: 25672
Ion Ratio Lower Upper
129 100
127 79.1 55.4 102.8



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

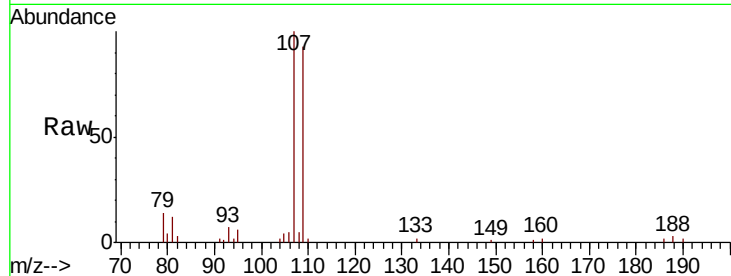




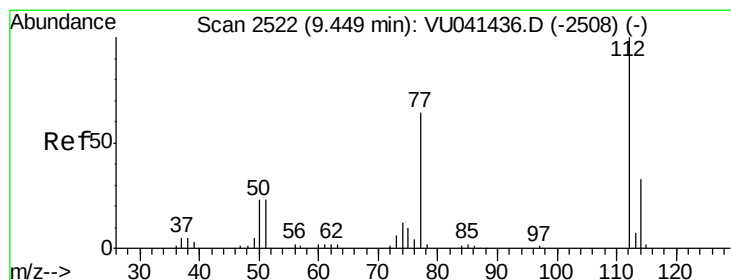
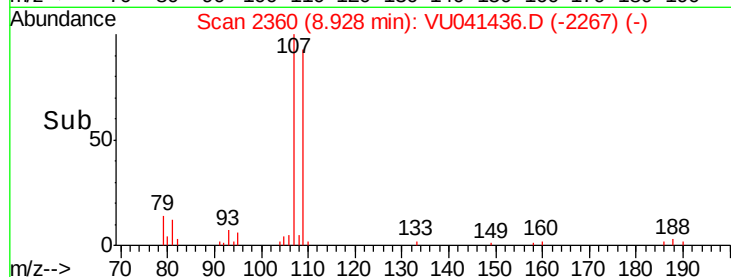
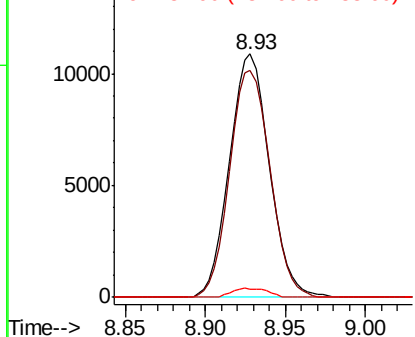
#50
 1,2-Dibromoethane
 Concen: 5.331 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005205

Tot Ion:107 Resp: 18508
 Ion Ratio Lower Upper
 107 100
 109 93.2 65.2 121.2
 188 3.4 2.7 4.1

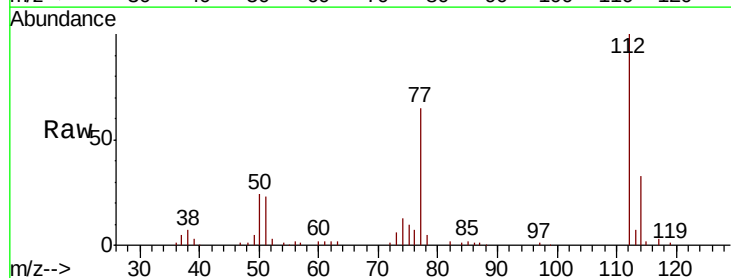


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

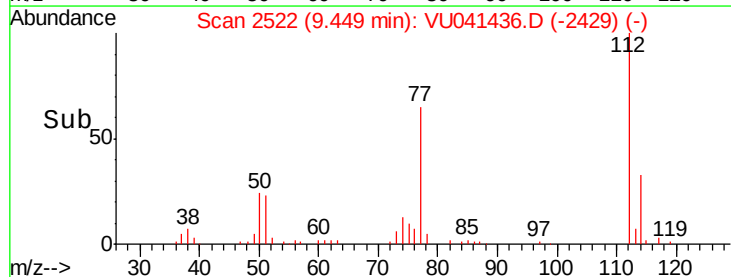
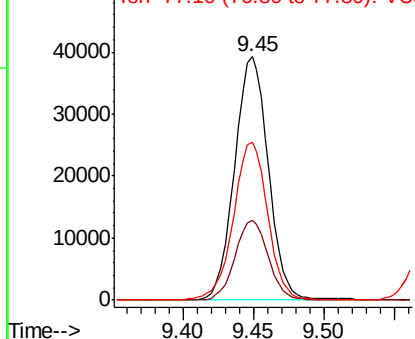


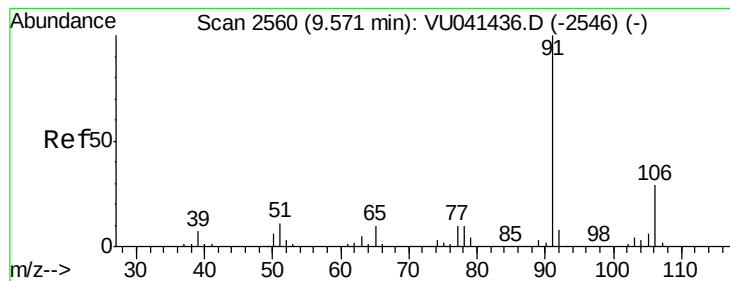
#51
 Chlorobenzene
 Concen: 5.218 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

Tgt Ion:112 Resp: 65814
 Ion Ratio Lower Upper
 112 100
 114 32.9 23.0 42.8
 77 64.7 51.8 77.6



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: 5.412 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

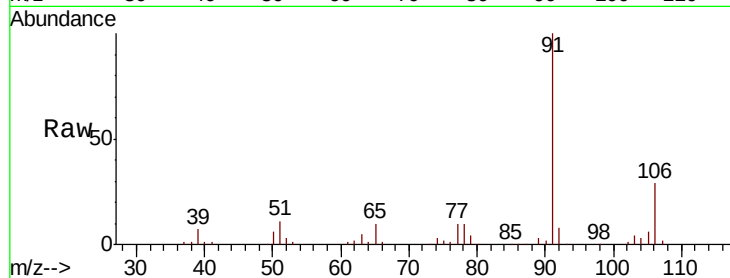
VSTD005205

Tot Ion: 91 Resp: 115451

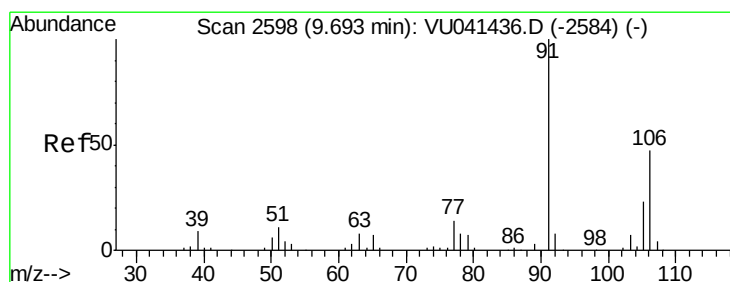
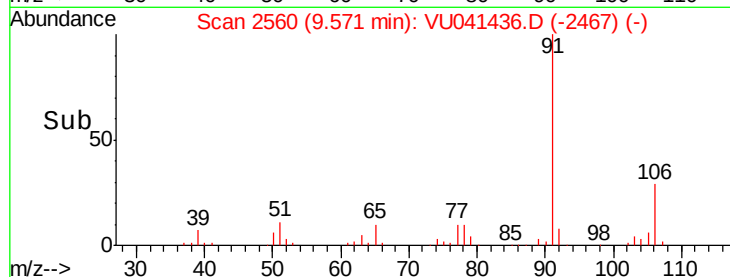
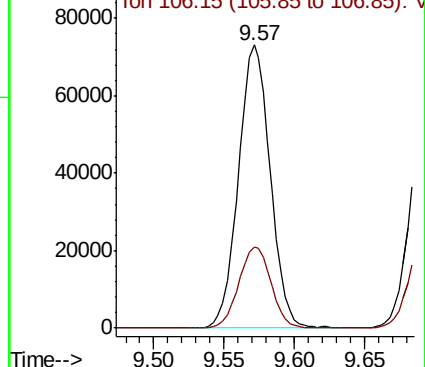
Ion Ratio Lower Upper

91 100

106 28.6 20.0 37.2



Abundance Ion 91.15 (90.85 to 91.85): VU041436.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.655 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041436.D

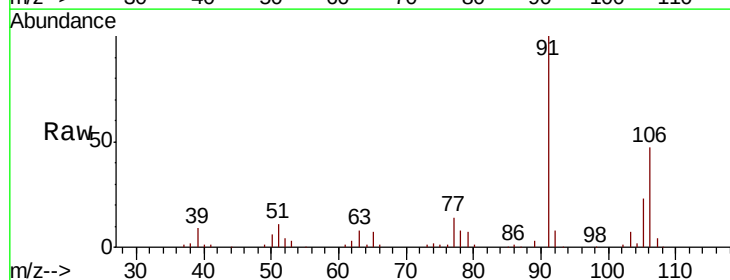
Acq: 30 Nov 2020 10:51

Tgt Ion: 106 Resp: 43614

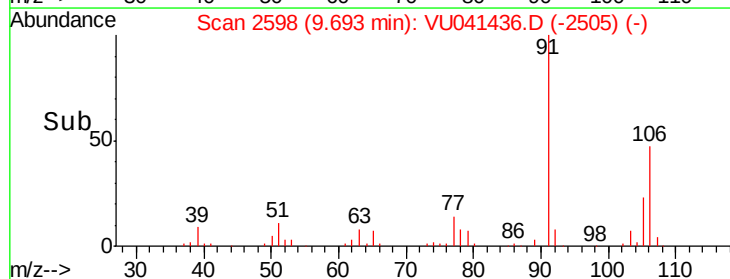
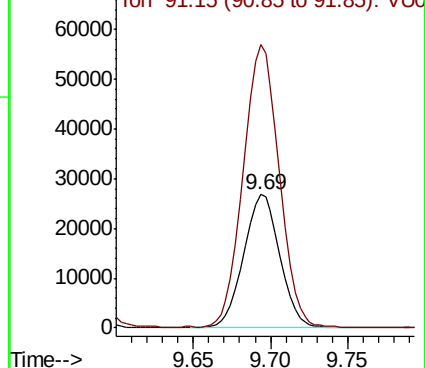
Ion Ratio Lower Upper

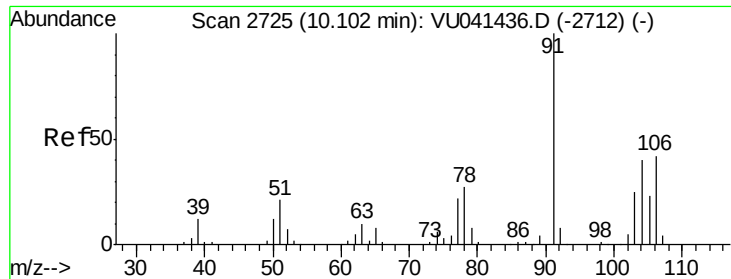
106 100

91 212.3 148.6 276.0



Abundance Ion 106.15 (105.85 to 106.85): VU041436.D (-2598) (-)





#54

o-Xylene

Concen: 5.445 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

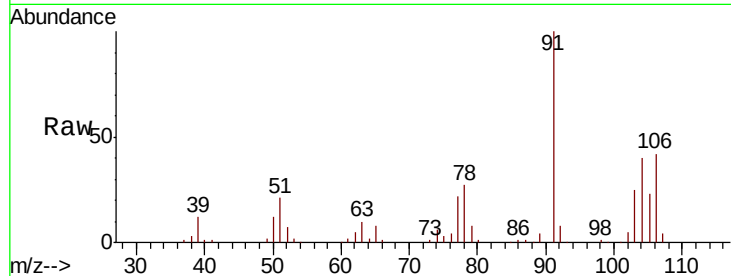
VSTD005205

Tot Ion:106 Resp: 40362

Ion Ratio Lower Upper

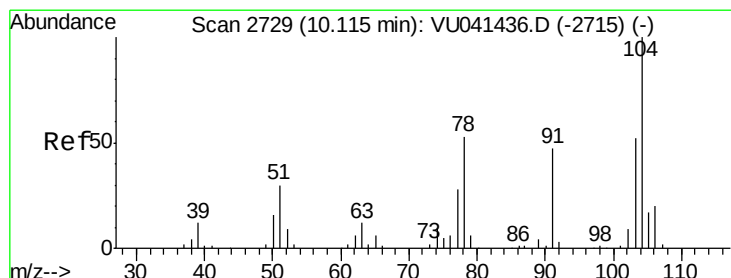
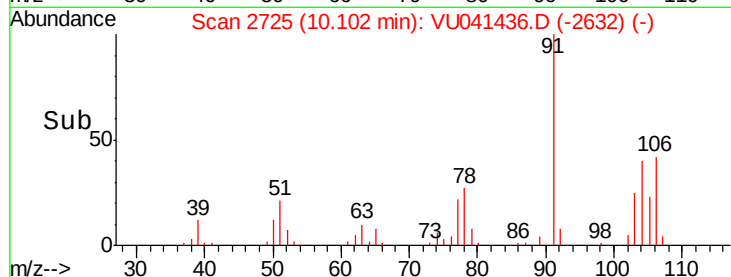
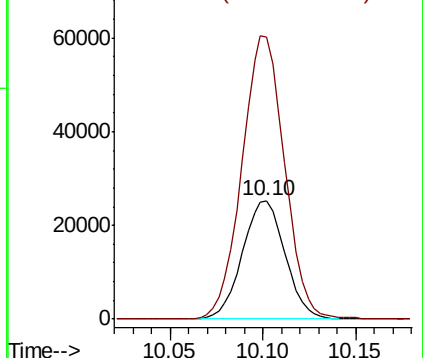
106 100

91 238.5 166.9 310.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.624 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU041436.D

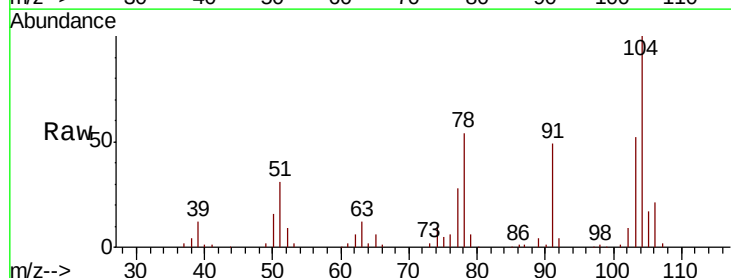
Acq: 30 Nov 2020 10:51

Tgt Ion:104 Resp: 73742

Ion Ratio Lower Upper

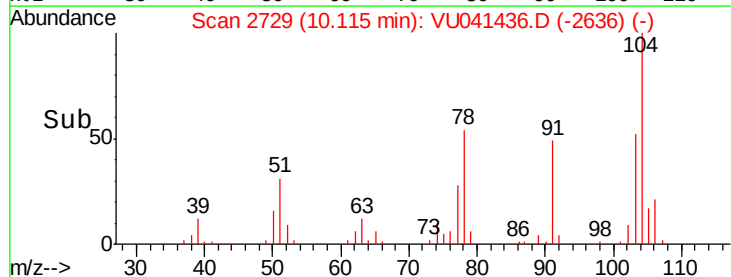
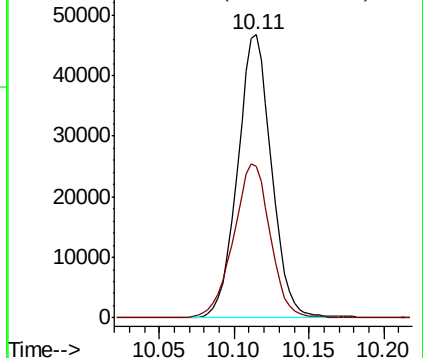
104 100

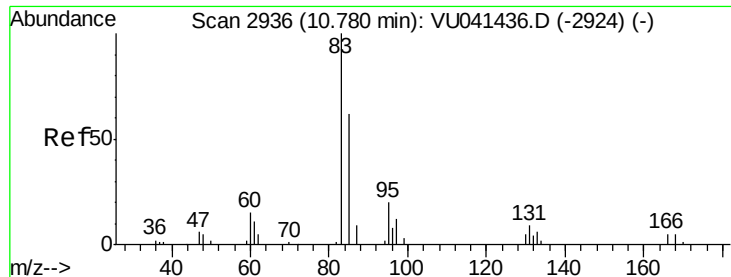
78 53.6 37.5 69.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0

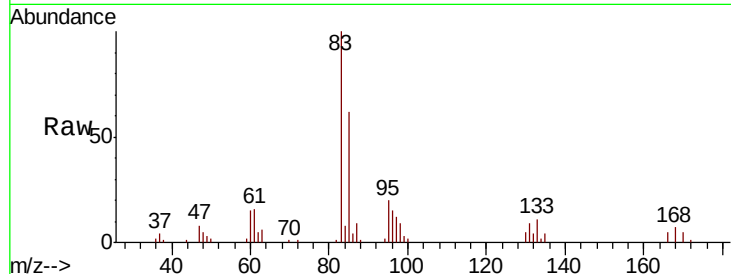




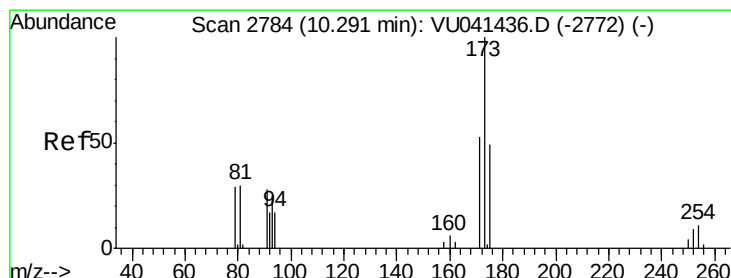
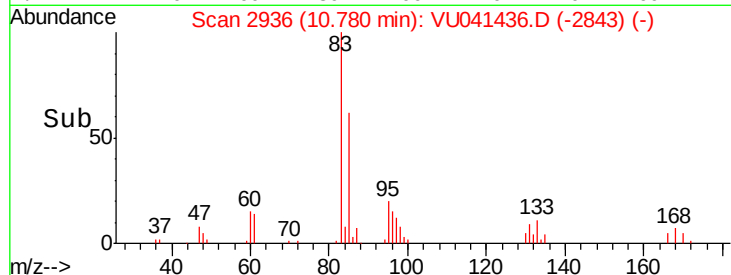
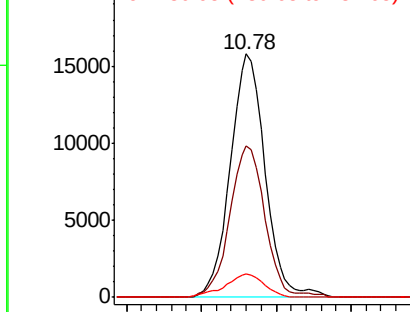
#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.471 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005205

Tot Ion	83	Resp	25608
Ion Ratio	Lower	Upper	
83	100		
85	62.1	43.5	80.7
131	9.5	7.6	11.4

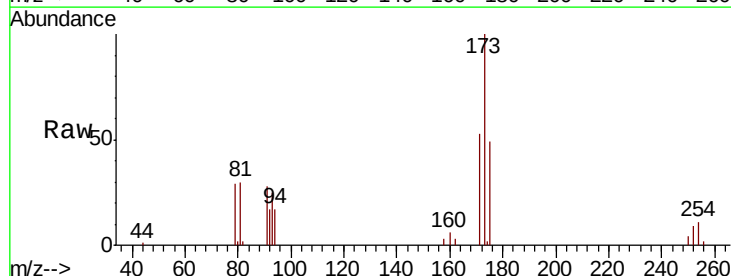


Abundance Ion 82.95 (82.65 to 83.65): VU041436.D (-2924) (-)
 Ion 85.00 (84.70 to 85.70): VU041436.D (-2924) (-)
 Ion 130.95 (130.65 to 131.65): VU041436.D (-2924) (-)

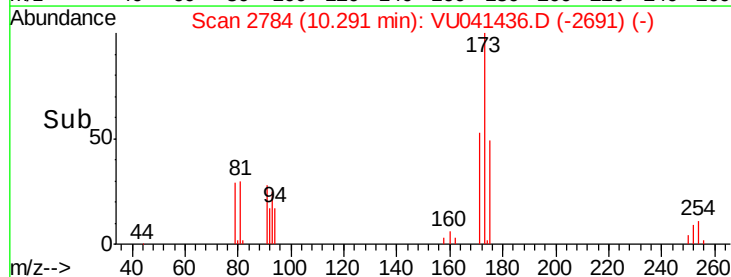
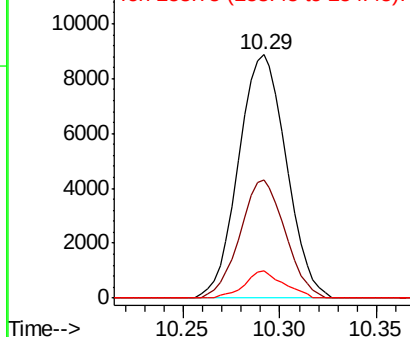


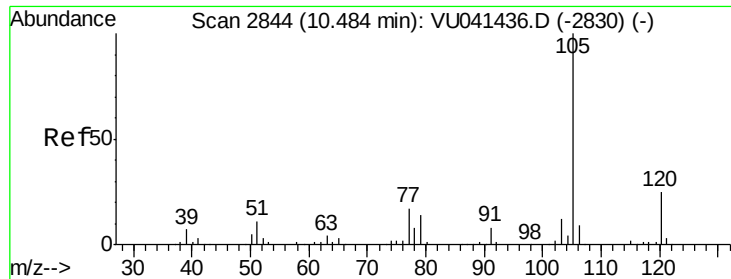
#59
 Bromoform
 Concen: 5.596 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

Tgt Ion	173	Resp	15206
Ion Ratio	Lower	Upper	
173	100		
175	46.1	36.9	55.3
254	9.2	7.4	11.0



Abundance Ion 172.90 (172.60 to 173.60): VU041436.D (-2772) (-)
 Ion 174.90 (174.60 to 175.60): VU041436.D (-2772) (-)
 Ion 253.75 (253.45 to 254.45): VU041436.D (-2772) (-)





#60

Isopropylbenzene

Concen: 5.587 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD005205

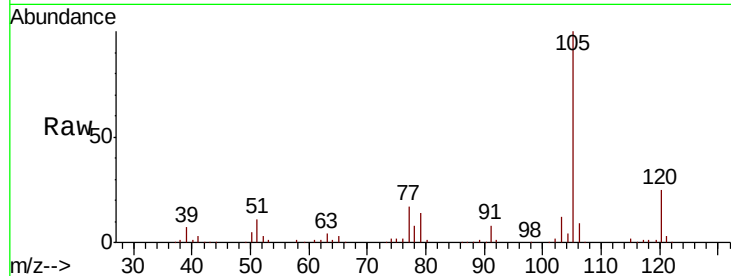
Tot Ion:105 Resp: 115966

Ion Ratio Lower Upper

105 100

120 25.4 20.3 30.5

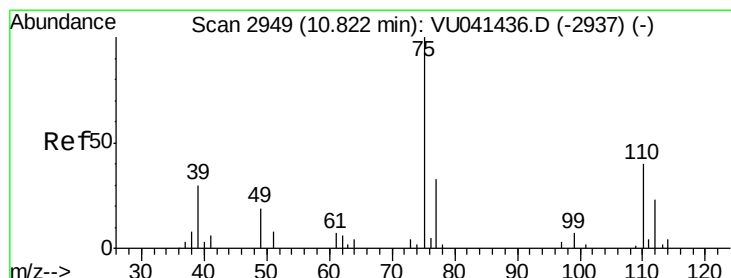
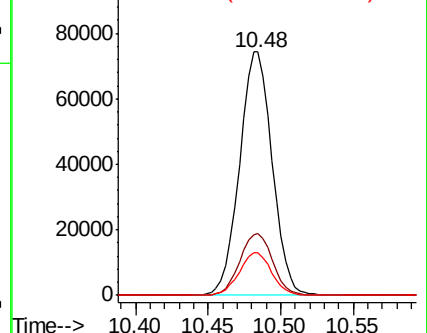
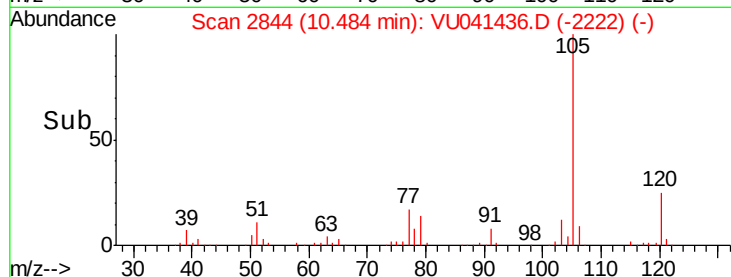
77 17.4 13.9 20.9



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: 5.201 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

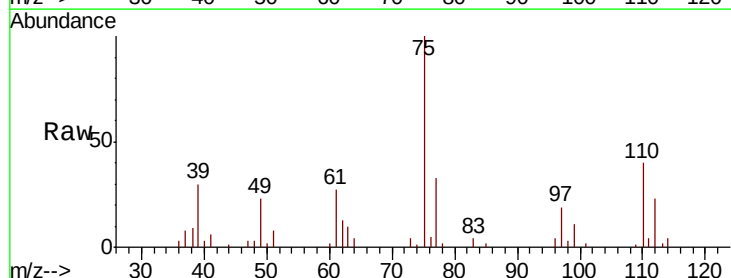
Tgt Ion: 75 Resp: 18810

Ion Ratio Lower Upper

75 100

110 41.2 33.0 49.4

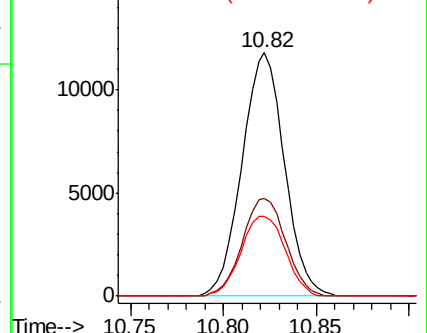
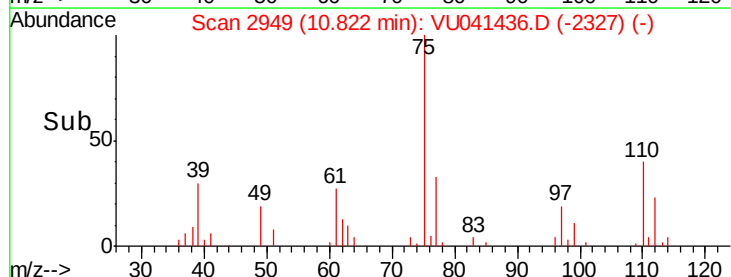
77 34.2 27.4 41.0

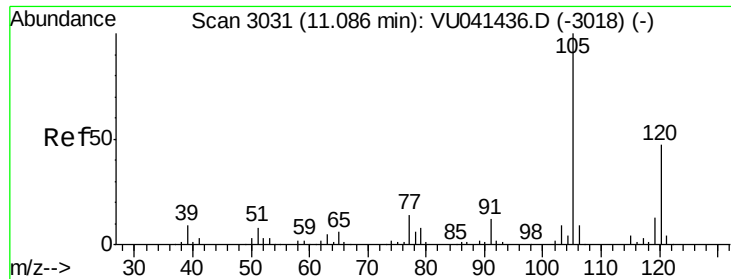


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU





#62

1,3,5-Trimethylbenzene

Concen: 5.508 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU041436.D

Acq: 30 Nov 2020 10:51

Instrument :

MSVOA_U

ClientSampleId :

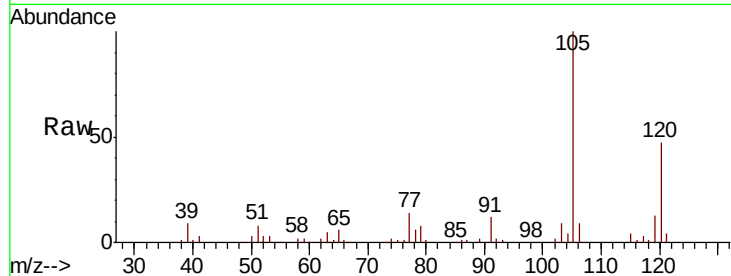
VSTD005205

Tot Ion:105 Resp: 97430

Ion Ratio Lower Upper

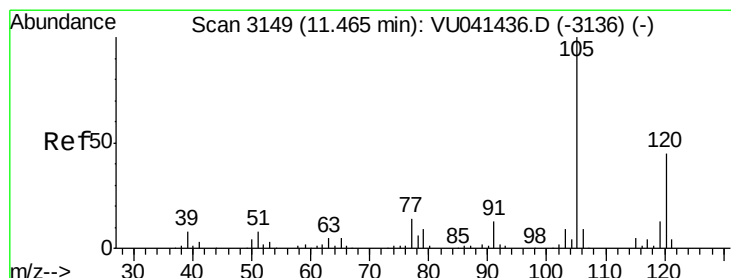
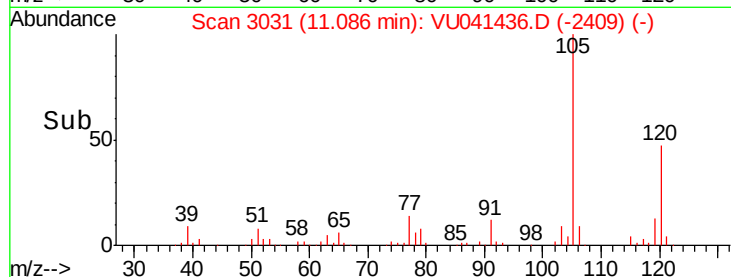
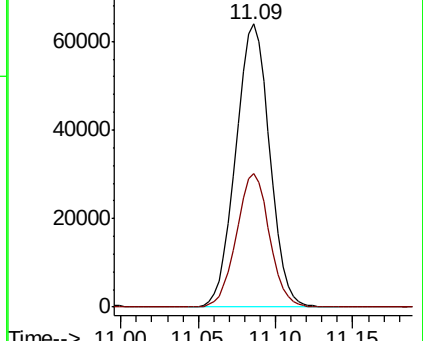
105 100

120 45.7 36.6 54.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 5.492 ug/L

RT: 11.47 min Scan# 3149

Delta R.T. 0.00 min

Lab File: VU041436.D

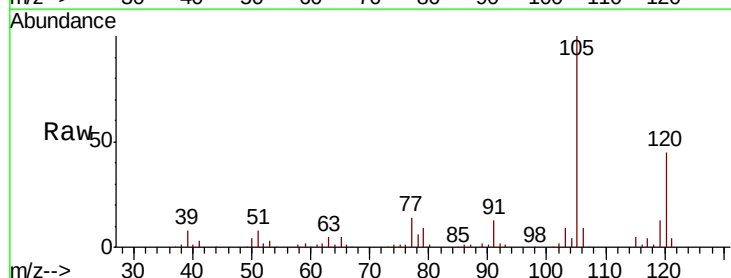
Acq: 30 Nov 2020 10:51

Tgt Ion:105 Resp: 100334

Ion Ratio Lower Upper

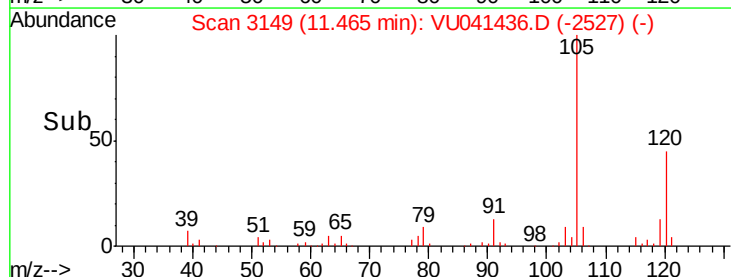
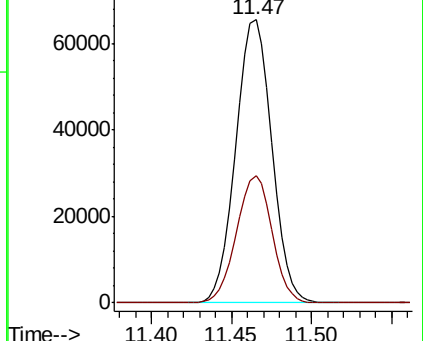
105 100

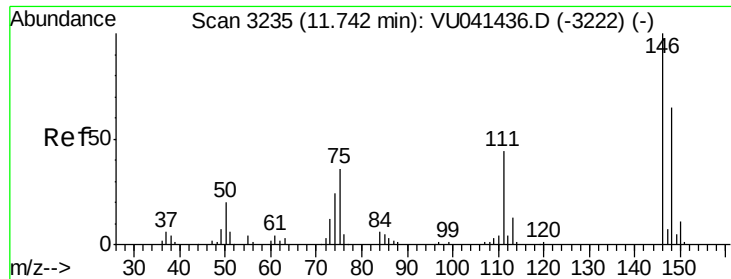
120 44.3 35.4 53.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

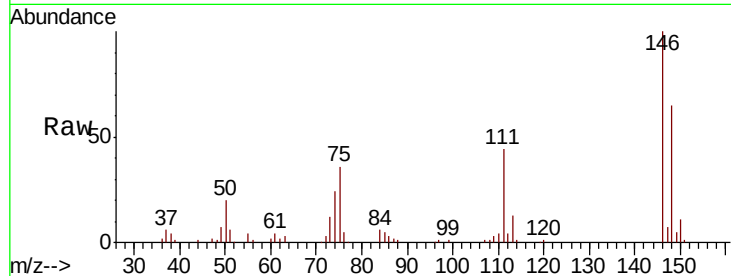




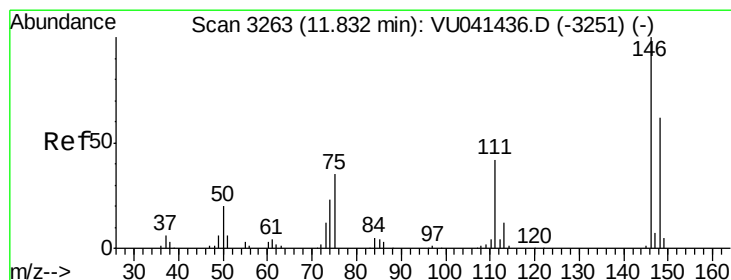
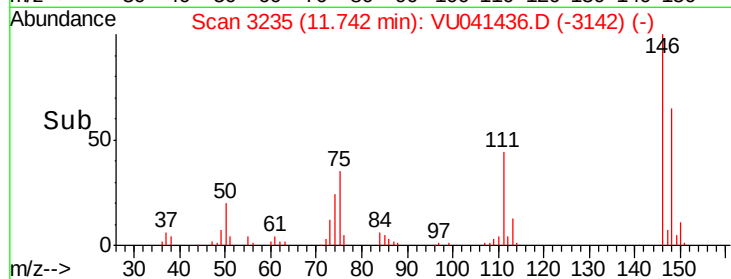
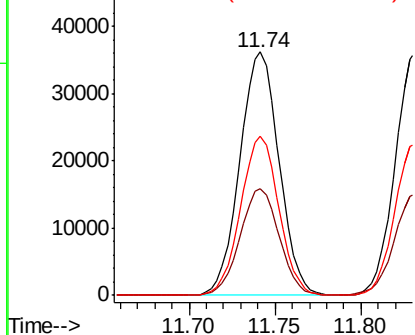
#64
 1,3-Dichlorobenzene
 Concen: 5.423 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005205

Tot Ion:146 Resp: 57448
 Ion Ratio Lower Upper
 146 100
 111 44.1 30.9 57.3
 148 65.4 45.8 85.0

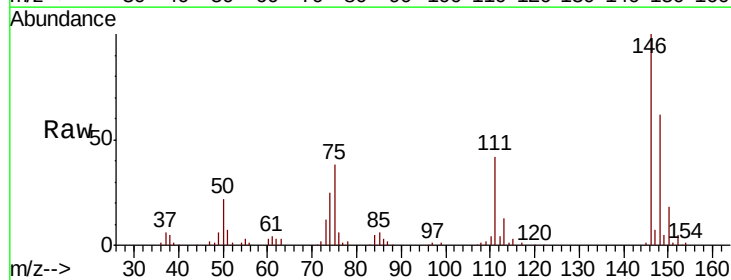


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

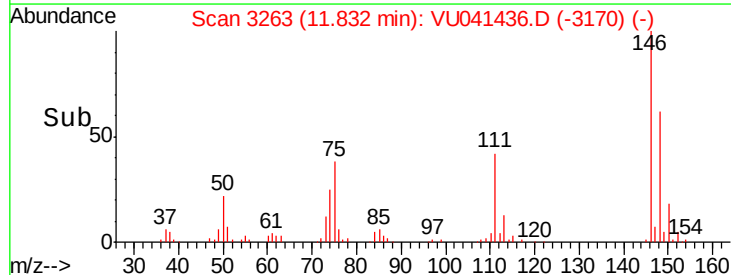
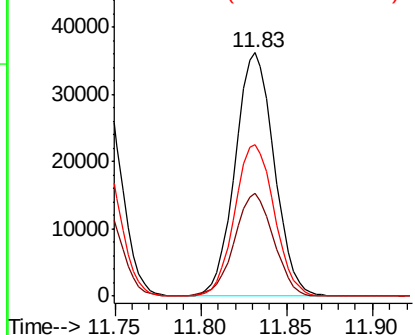


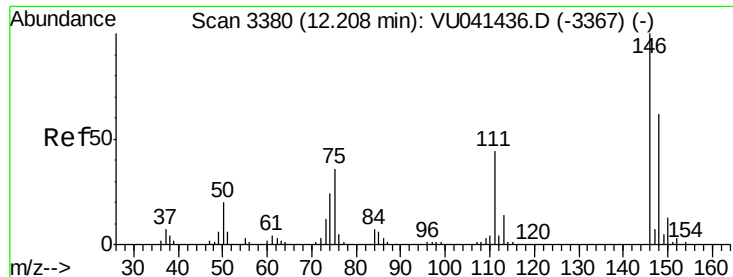
#65
 1,4-Dichlorobenzene
 Concen: 5.284 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

Tgt Ion:146 Resp: 57252
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.4 54.6
 148 62.4 43.7 81.1



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

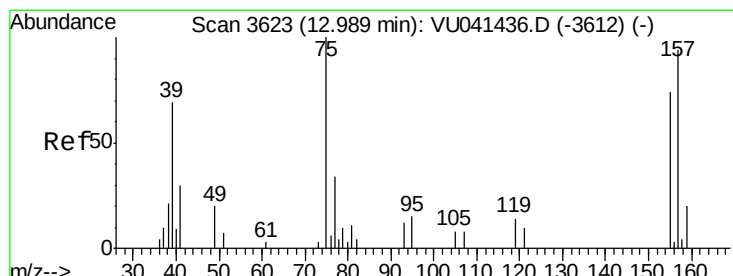
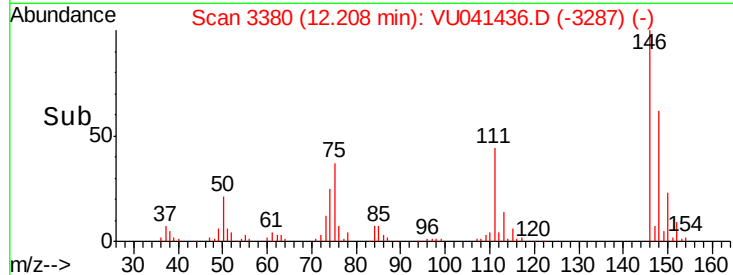
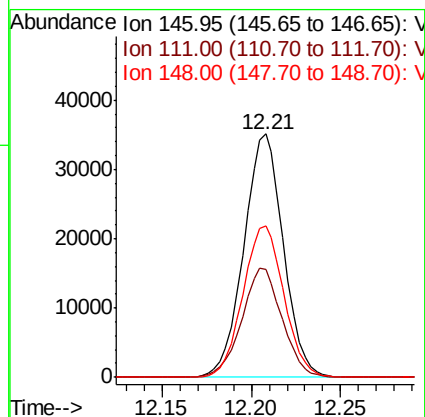
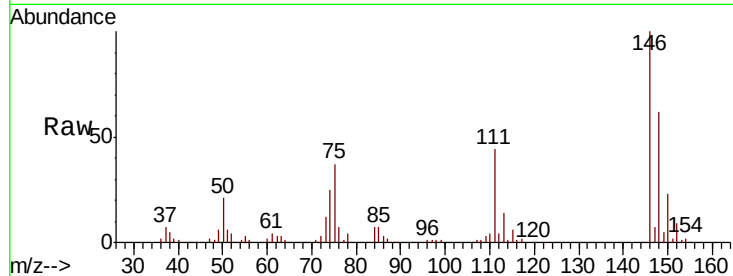




#67
 1,2-Dichlorobenzene
 Concen: 5.292 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

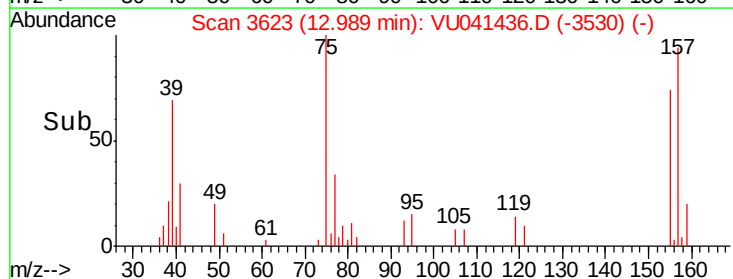
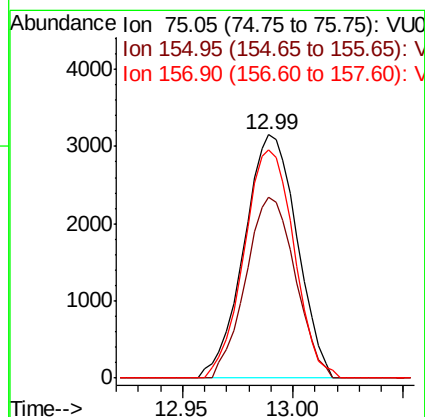
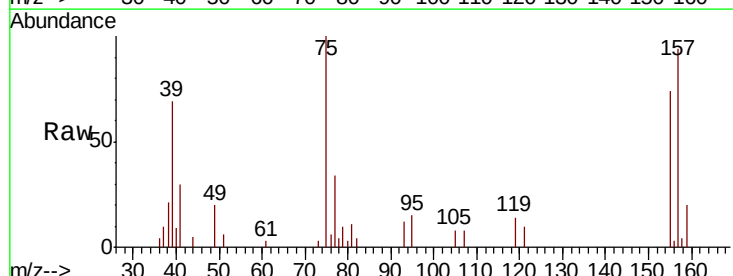
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005205

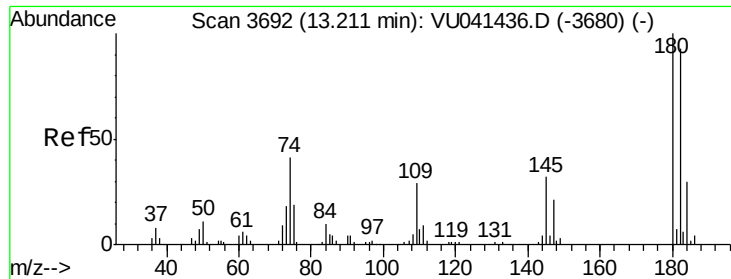
Tot Ion:146 Resp: 54357
 Ion Ratio Lower Upper
 146 100
 111 44.1 35.3 52.9
 148 62.0 49.6 74.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.577 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

Tgt Ion: 75 Resp: 5243
 Ion Ratio Lower Upper
 75 100
 155 74.1 59.3 88.9
 157 93.9 75.1 112.7

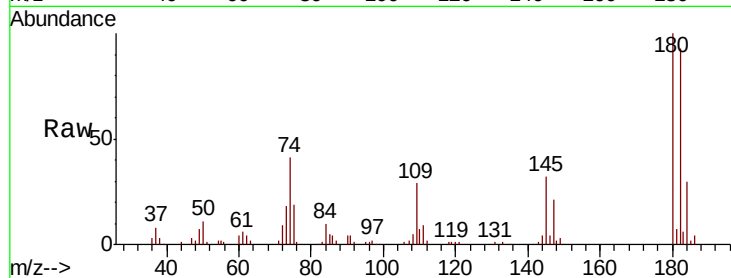




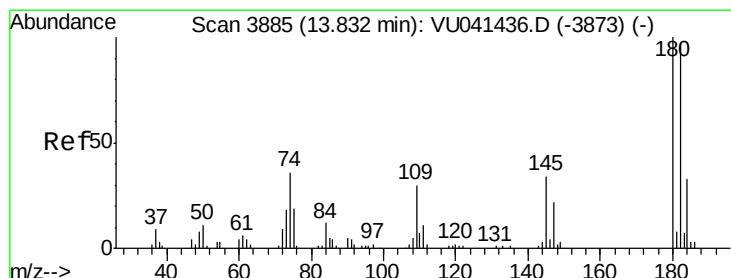
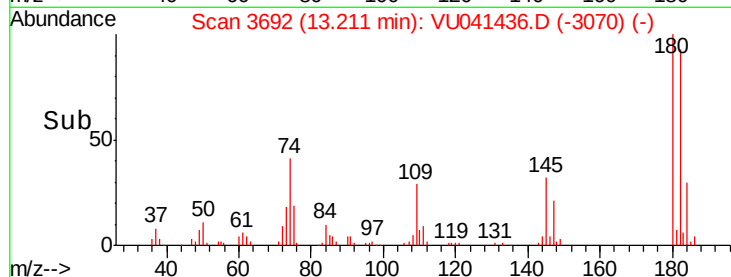
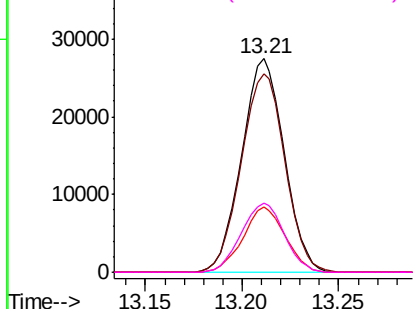
#69
 1,3,5-Trichlorobenzene
 Concen: 5.155 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005205

Tot Ion:180 Resp: 42027
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.2 114.2
 184 30.1 24.1 36.1
 145 32.6 26.1 39.1

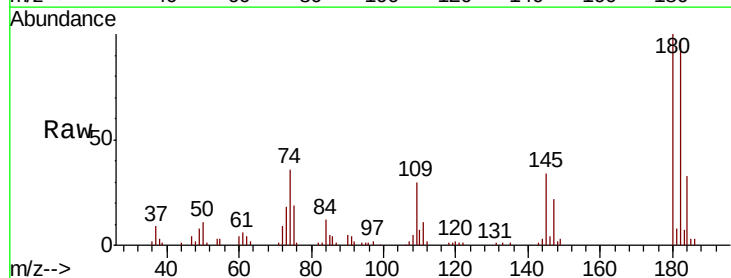


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

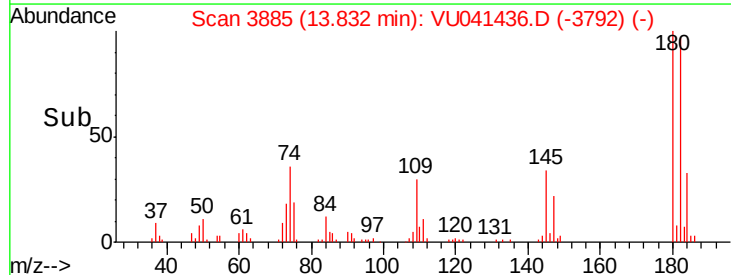
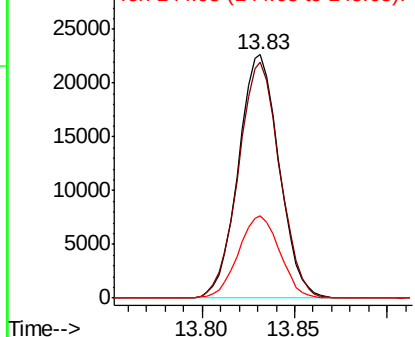


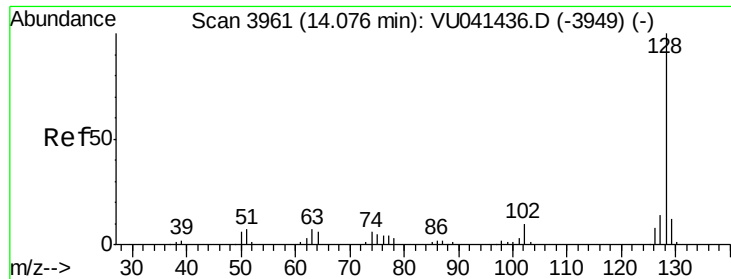
#70
 1,2,4-trichlorobenzene
 Concen: 5.081 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041436.D
 Acq: 30 Nov 2020 10:51

Tgt Ion:180 Resp: 34540
 Ion Ratio Lower Upper
 180 100
 182 98.0 78.4 117.6
 145 34.2 27.4 41.0



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

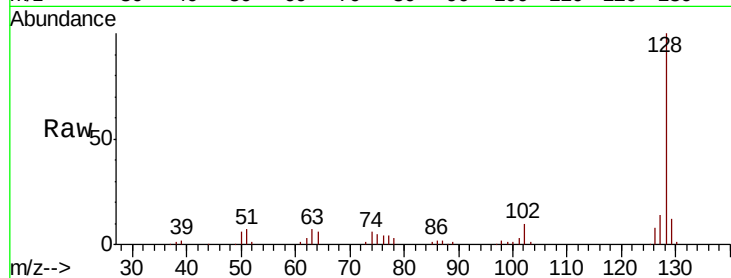




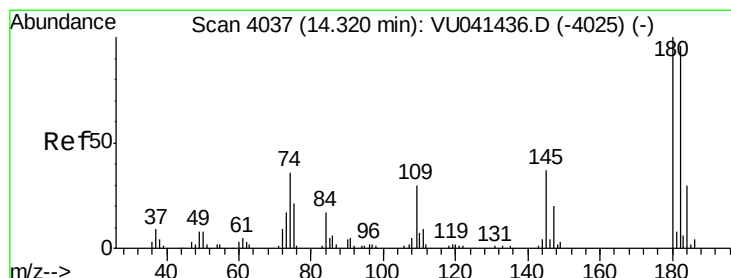
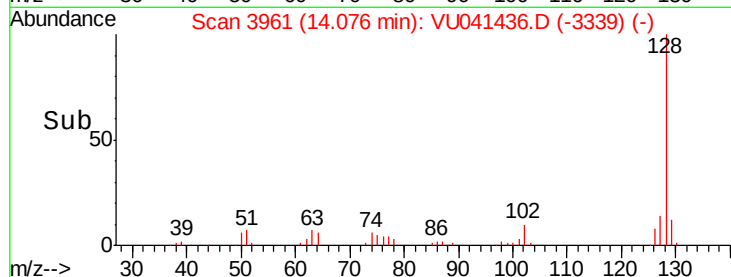
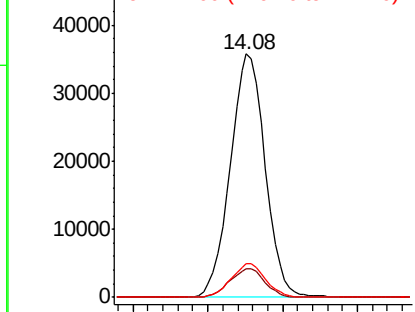
#71
Naphthalene
Concen: 4.958 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU041436.D
Acq: 30 Nov 2020 10:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD005205

Tot Ion:128 Resp: 57939
Ion Ratio Lower Upper
128 100
129 11.7 9.4 14.0
127 13.5 10.8 16.2

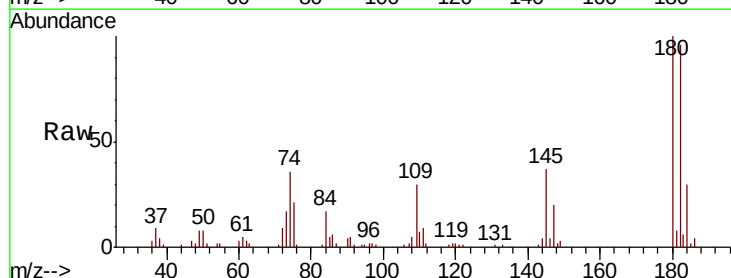


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 5.093 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU041436.D
Acq: 30 Nov 2020 10:51

Tgt Ion:180 Resp: 32382
Ion Ratio Lower Upper
180 100
182 97.0 77.6 116.4
145 35.8 28.6 43.0



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

