

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112520\
 Data File : VU041427.D
 Acq On : 25 Nov 2020 12:40
 Operator : SY/MD
 Sample : VSTD00505
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

Quant Time: Nov 26 06:15:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR112520WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 26 06:14:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	74665	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	69289	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	40530	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27634	5.37	ug/L	0.00
7) Chloroethane-d5	1.92	69	19591	4.80	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	13125	5.34	ug/L	0.00
20) 2-Butanone-d5	4.65	46	73794	37.38	ug/L	0.00
24) Chloroform-d	5.08	84	55363	5.30	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.71	65	33270	5.10	ug/L	0.00
32) Benzene-d6	5.74	84	92538	5.38	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	26458	4.59	ug/L	0.00
41) Toluene-d8	7.90	98	87980	5.80	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	14004	5.48	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	54597	42.48	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	24926	4.67	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	35592	5.16	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	45514	6.620	ug/L 100
3) Chloromethane	1.52	50	35436	5.233	ug/L 100
5) Vinyl chloride	1.61	62	33502	5.052	ug/L 100
6) Bromomethane	1.86	94	19048	5.316	ug/L 100
8) Chloroethane	1.94	64	21247	4.936	ug/L 100
9) Trichlorofluoromethane	2.15	101	63240	6.393	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	29905	5.489	ug/L 100
12) 1,1-Dichloroethene	2.59	96	25737	5.073	ug/L 100
13) Acetone	2.66	43	58767	44.713	ug/L 100
14) Carbon disulfide	2.81	76	73597	4.641	ug/L 100
15) Methyl Acetate	2.96	43	12908	4.315	ug/L 100
16) Methylene chloride	3.06	84	29390	4.844	ug/L 100
17) Methyl tert-butyl Ether	3.38	73	70871	5.269	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	26118	5.041	ug/L 100
19) 1,1-Dichloroethane	3.89	63	53363	4.995	ug/L 100
21) 2-Butanone	4.73	43	88786	42.900	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	29653	5.302	ug/L 100
23) Bromochloromethane	4.99	128	14071	5.321	ug/L 100
25) Chloroform	5.10	83	59671	5.367	ug/L 100
27) 1,2-Dichloroethane	5.81	62	44364	5.447	ug/L 100
29) 1,1,1-Trichloroethane	5.33	97	56215	6.149	ug/L 100
30) Cyclohexane	5.40	56	40438	5.064	ug/L 100
31) Carbon tetrachloride	5.54	117	50459	6.385	ug/L 100
33) Benzene	5.79	78	111867	5.473	ug/L 100
34) Trichloroethene	6.55	95	30775	5.550	ug/L 100
35) Methylcyclohexane	6.77	83	44209	5.720	ug/L 100
37) 1,2-Dichloropropane	6.80	63	29068	5.082	ug/L 100
38) Bromodichloromethane	7.11	83	43740	5.856	ug/L 100
39) cis-1,3-Dichloropropene	7.61	75	45434	5.773	ug/L 100
40) 4-Methyl-2-pentanone	7.80	43	206807	48.630	ug/L 100

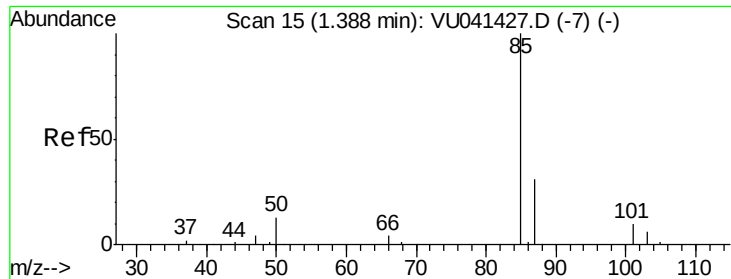
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112520\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 26 06:14:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	125262	5.951	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	43845	5.940	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	21872	5.290	ug/L	100
47) Tetrachloroethene	8.56	164	23499	6.045	ug/L	100
48) 2-Hexanone	8.69	43	157564	49.390	ug/L	100
49) Dibromochloromethane	8.81	129	30193	6.057	ug/L	100
50) 1,2-Dibromoethane	8.93	107	22330	5.655	ug/L	100
51) Chlorobenzene	9.45	112	74771	5.566	ug/L	100
52) Ethylbenzene	9.57	91	127177	5.820	ug/L	100
53) m,p-Xylene	9.69	106	48187	6.054	ug/L	100
54) o-Xylene	10.10	106	46149	6.041	ug/L	100
55) Styrene	10.11	104	81922	6.188	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	29038	5.426	ug/L	100
59) Bromoform	10.29	173	16953	5.254	ug/L	100
60) Isopropylbenzene	10.48	105	129254	5.416	ug/L	100
61) 1,2,3-Trichloropropane	10.82	75	22121	4.586	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	115127	5.841	ug/L	100
63) 1,2,4-Trimethylbenzene	11.47	105	119181	5.989	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	68666	5.674	ug/L	100
65) 1,4-Dichlorobenzene	11.83	146	69585	5.641	ug/L	100
67) 1,2-Dichlorobenzene	12.21	146	65725	5.578	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.99	75	6158	5.336	ug/L	100
69) 1,3,5-Trichlorobenzene	13.21	180	51058	6.023	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	43290	6.048	ug/L	100
71) Naphthalene	14.08	128	74804	5.935	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	40401	6.041	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 6.620 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

Instrument :

MSVOA_U

ClientSampleId :

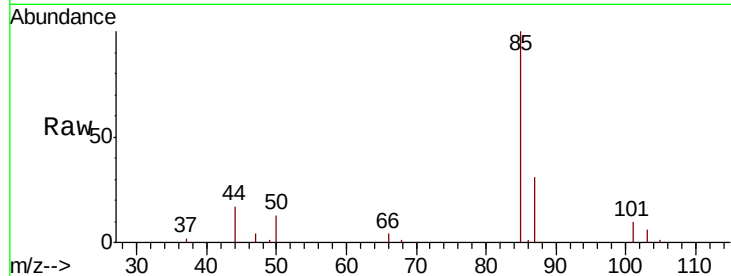
VSTD005105

Tot Ion: 85 Resp: 45514

Ion Ratio Lower Upper

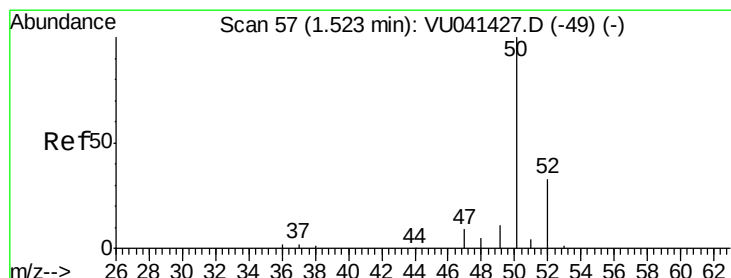
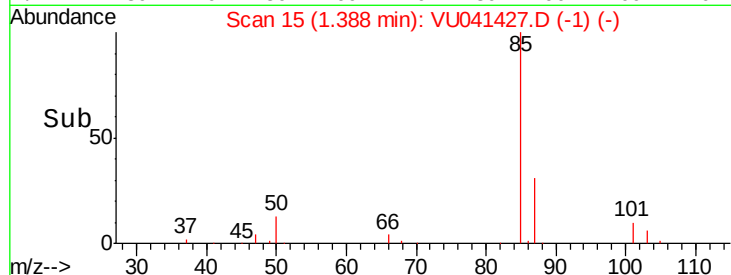
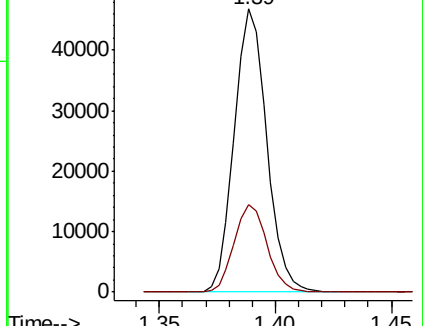
85 100

87 31.1 24.9 37.3



Abundance Ion 85.00 (84.70 to 85.70): VU041427.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041427.D (-7) (-)



#3

Chloromethane

Concen: 5.233 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041427.D

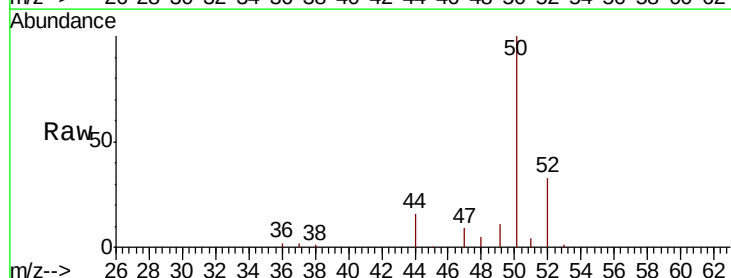
Acq: 25 Nov 2020 12:40

Tgt Ion: 50 Resp: 35436

Ion Ratio Lower Upper

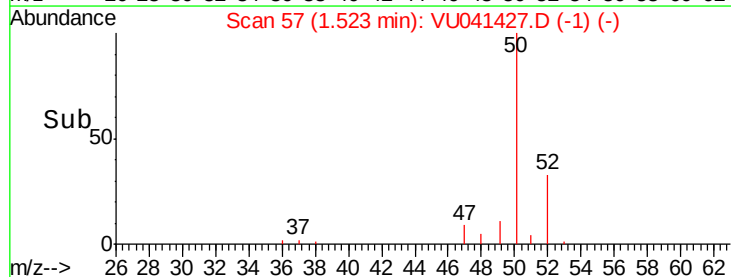
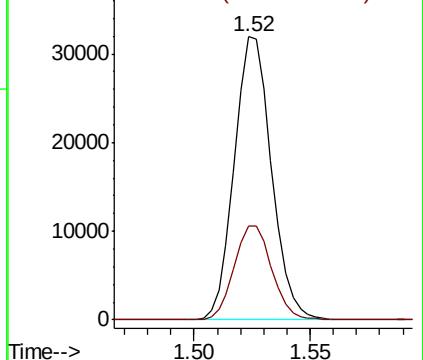
50 100

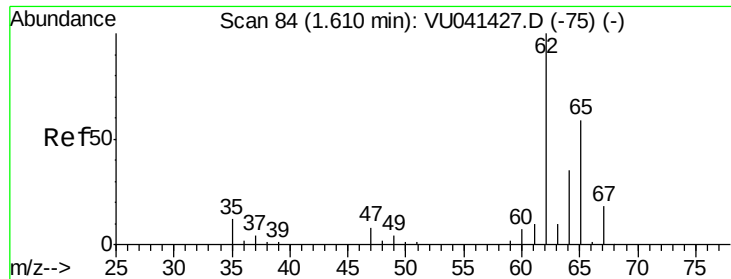
52 33.4 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VU041427.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041427.D (-49) (-)





#5

Vinyl chloride

Concen: 5.052 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

Instrument :

MSVOA_U

ClientSampleId :

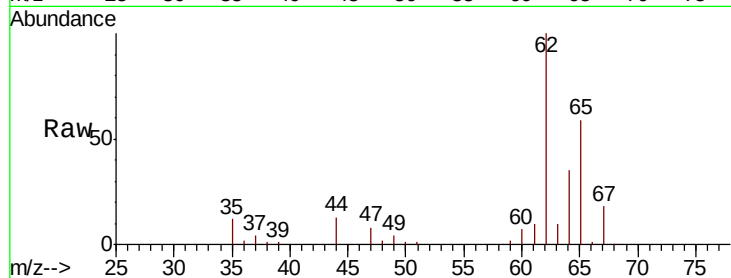
VSTD005105

Tot Ion: 62 Resp: 33502

Ion Ratio Lower Upper

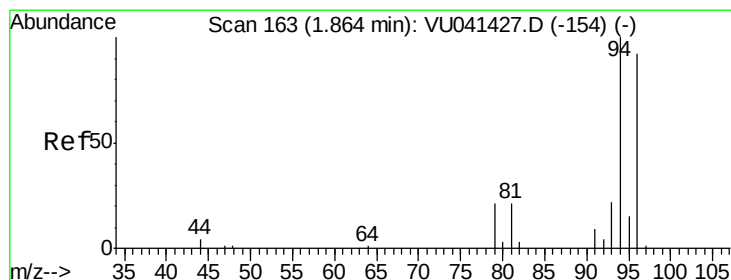
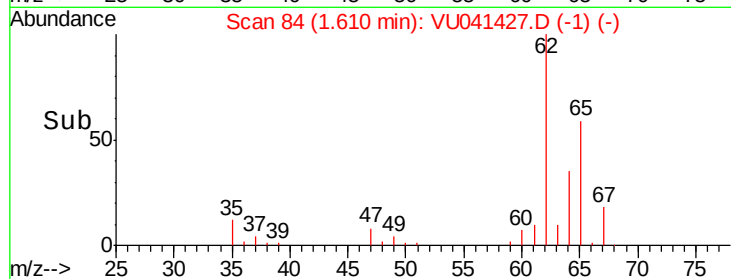
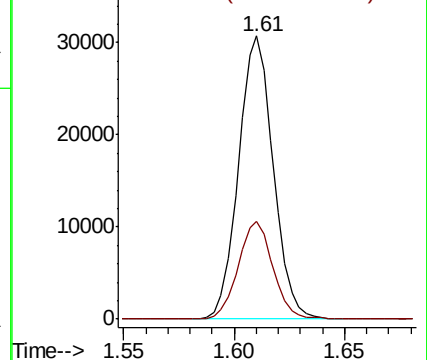
62 100

64 34.7 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.316 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041427.D

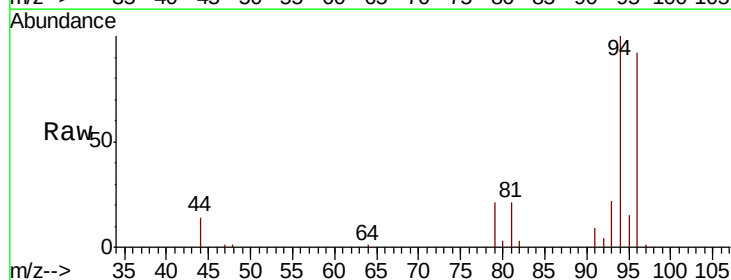
Acq: 25 Nov 2020 12:40

Tgt Ion: 94 Resp: 19048

Ion Ratio Lower Upper

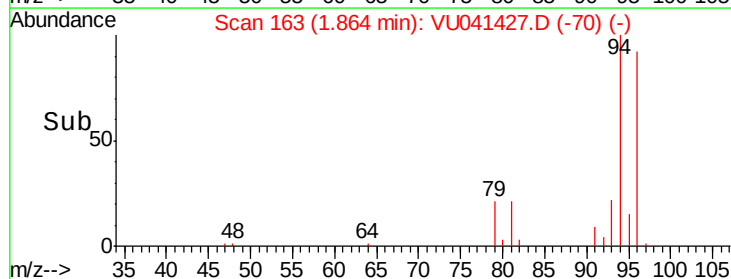
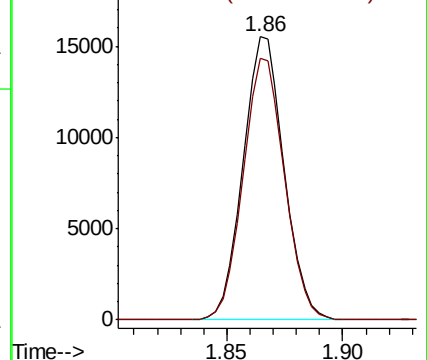
94 100

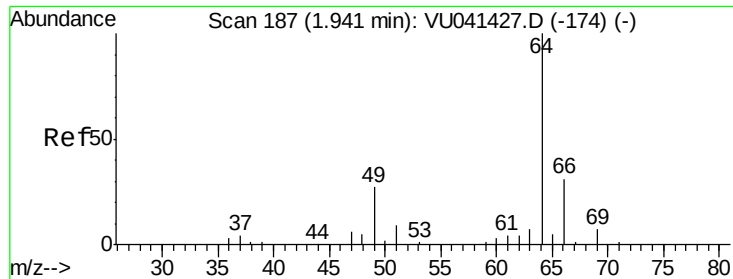
96 92.2 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

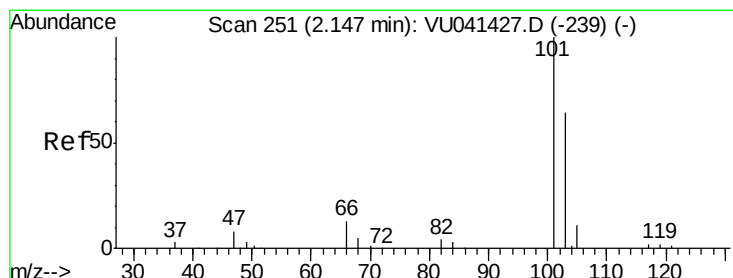
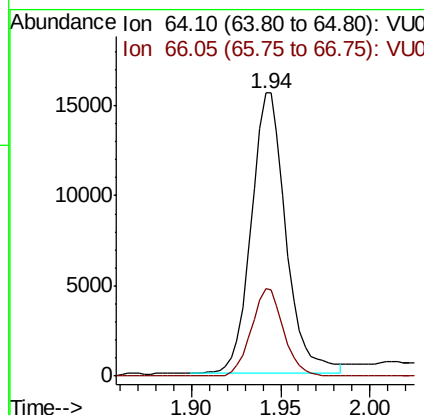
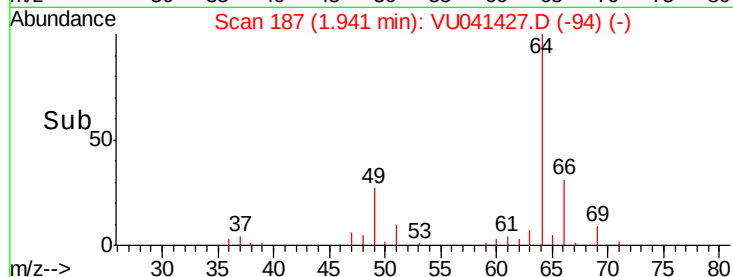
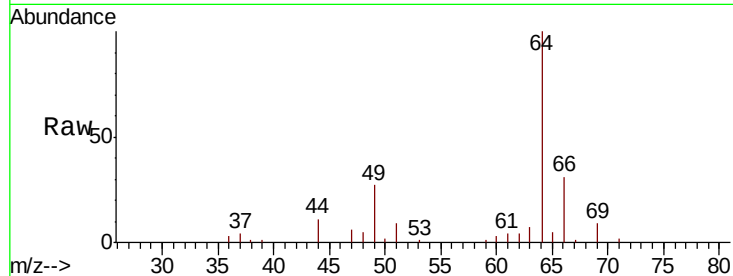




#8
Chloroethane
Concen: 4.936 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU041427.D
Acq: 25 Nov 2020 12:40

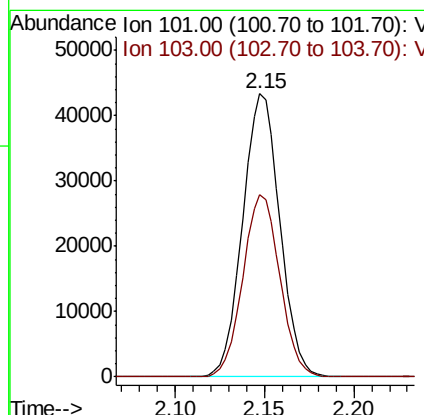
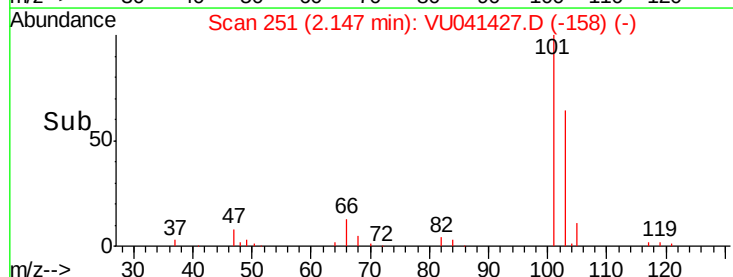
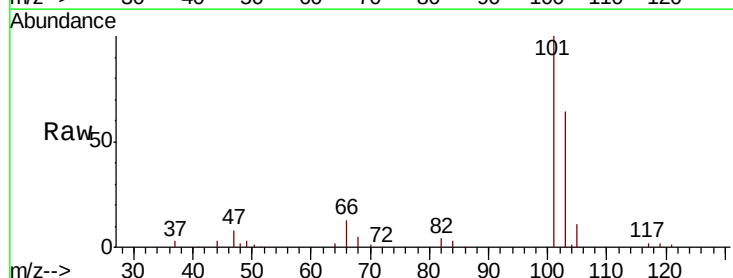
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

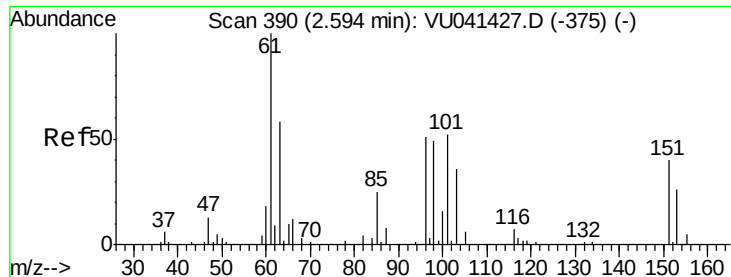
Tot Ion: 64 Resp: 21247
Ion Ratio Lower Upper
64 100
66 31.1 21.8 40.4



#9
Trichlorofluoromethane
Concen: 6.393 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041427.D
Acq: 25 Nov 2020 12:40

Tgt Ion:101 Resp: 63240
Ion Ratio Lower Upper
101 100
103 63.9 51.1 76.7





#10

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

Concen: 5.489 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD005105

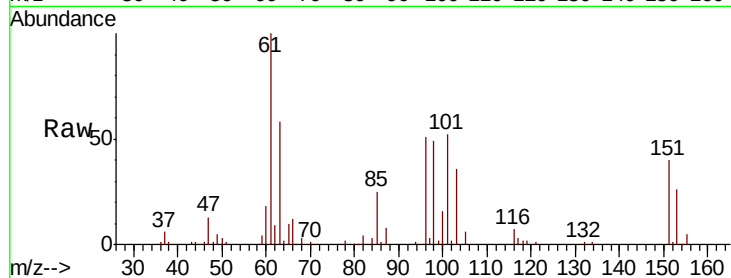
Tot Ion:101 Resp: 29905

Ion Ratio Lower Upper

101 100

85 47.2 37.8 56.6

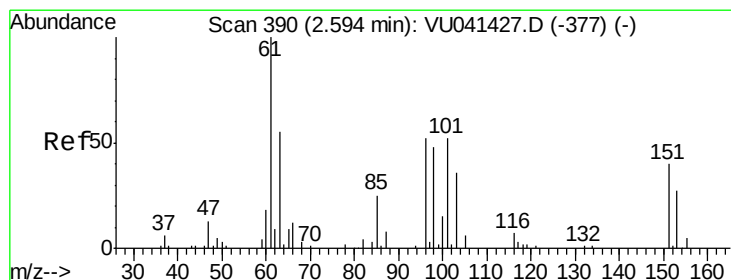
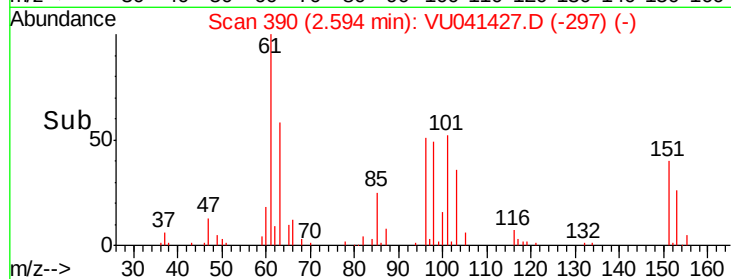
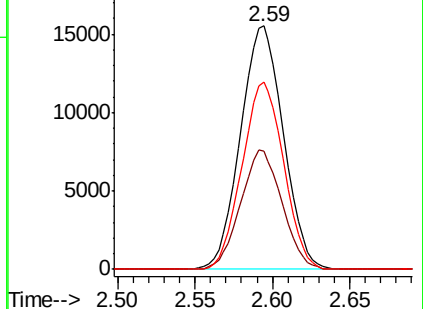
151 74.5 59.6 89.4



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: 5.073 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

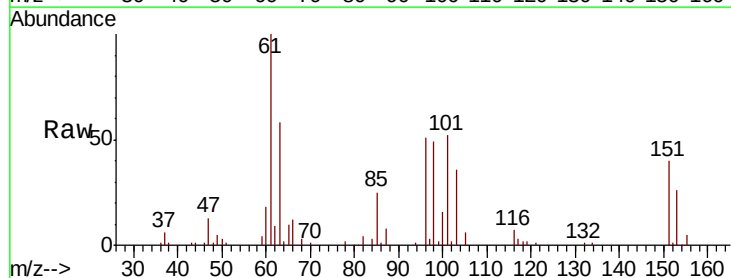
Tgt Ion: 96 Resp: 25737

Ion Ratio Lower Upper

96 100

61 194.4 136.1 252.7

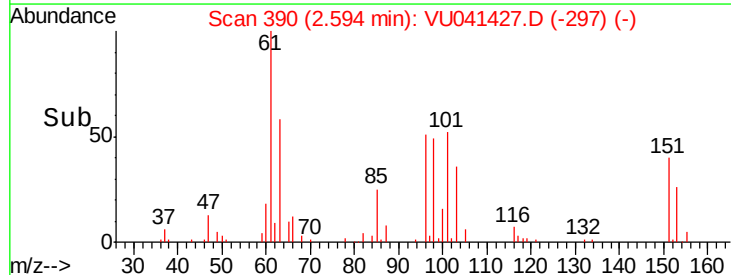
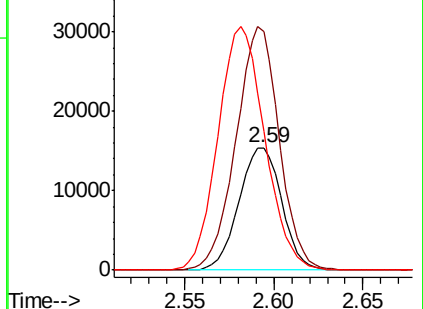
63 113.5 79.5 147.6

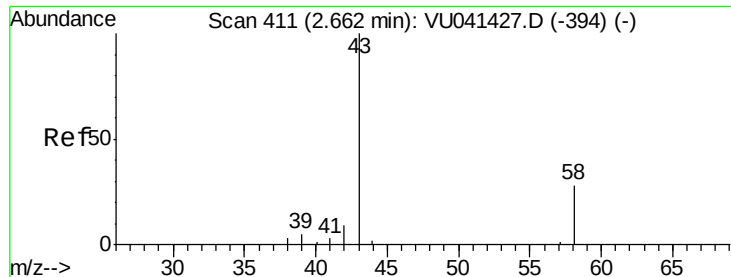


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.713 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

Instrument :

MSVOA_U

ClientSampleId :

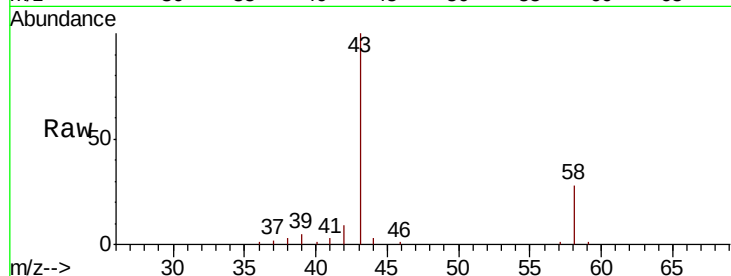
VSTD005105

Tot Ion: 43 Resp: 58767

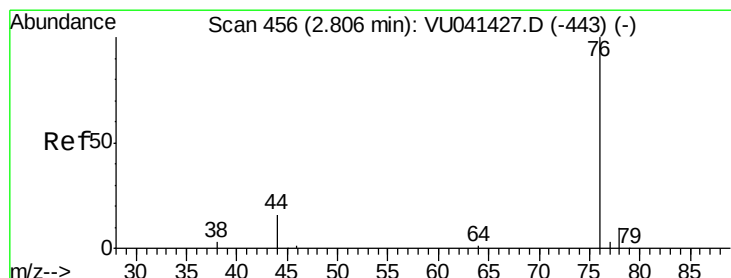
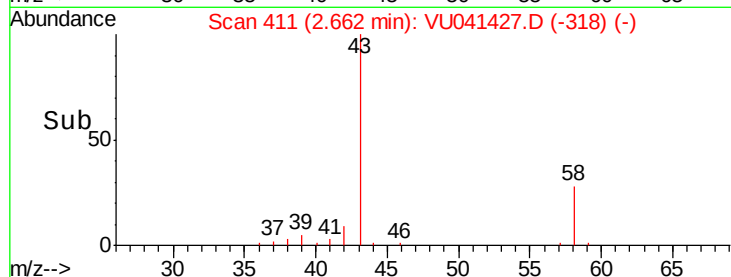
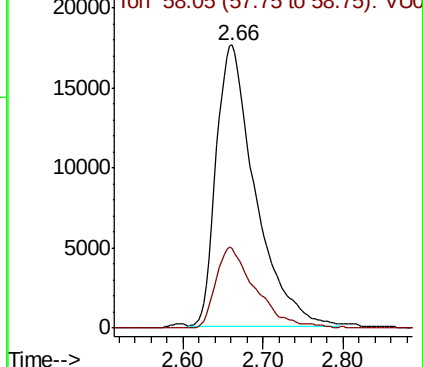
Ion Ratio Lower Upper

43 100

58 29.4 0.0 58.8



Abundance Ion 43.05 (42.75 to 43.75): VU041427.D (-394) (-)



#14

Carbon disulfide

Concen: 4.641 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041427.D

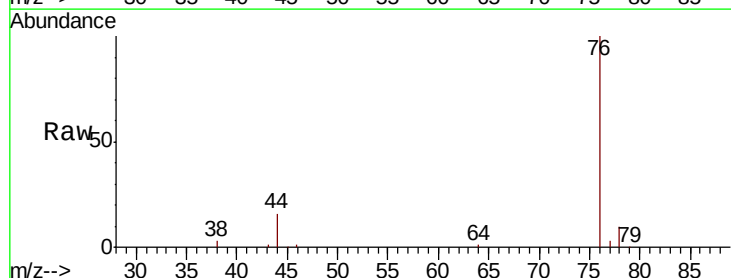
Acq: 25 Nov 2020 12:40

Tgt Ion: 76 Resp: 73597

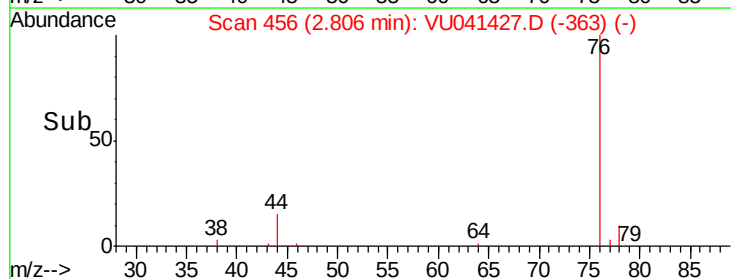
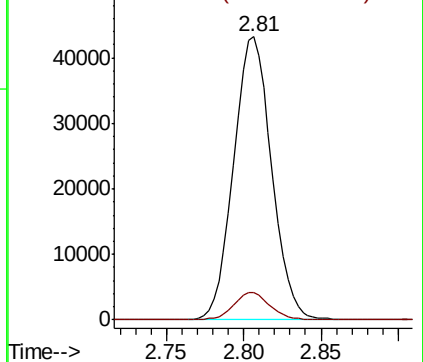
Ion Ratio Lower Upper

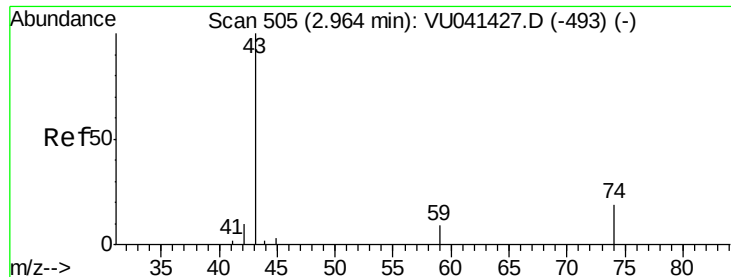
76 100

78 9.7 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU041427.D (-443) (-)





#15

Methyl Acetate

Concen: 4.315 ug/L

RT: 2.96 min Scan# 505

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

Instrument :

MSVOA_U

ClientSampleId :

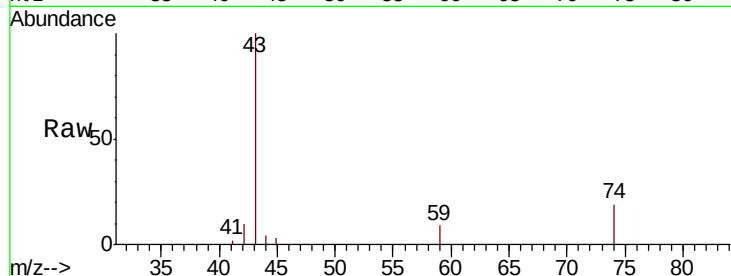
VSTD005105

Tot Ion: 43 Resp: 12908

Ion Ratio Lower Upper

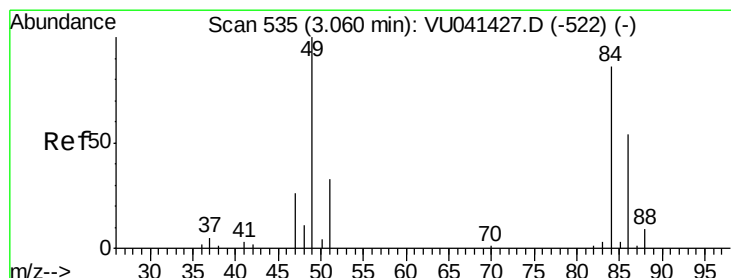
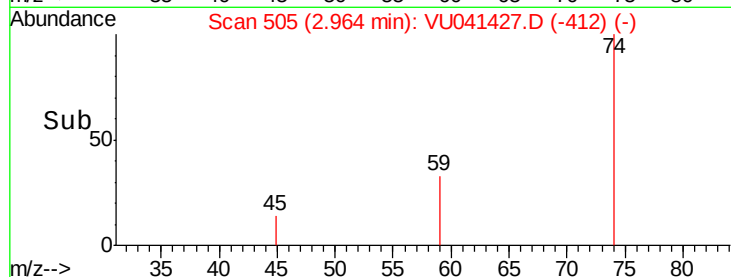
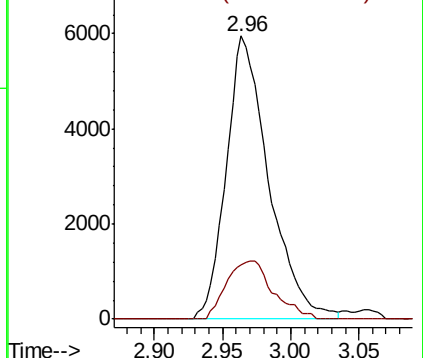
43 100

74 22.5 18.0 27.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.844 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

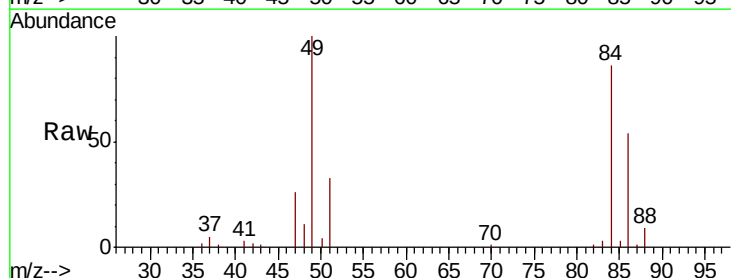
Tgt Ion: 84 Resp: 29390

Ion Ratio Lower Upper

84 100

86 63.6 44.5 82.7

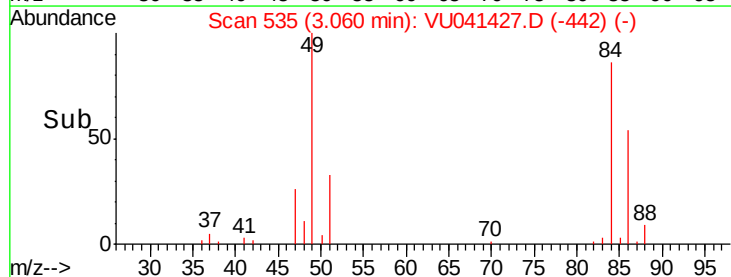
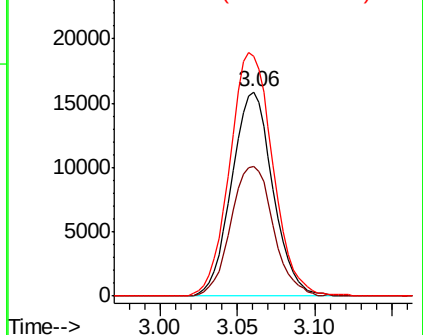
49 116.9 81.8 152.0

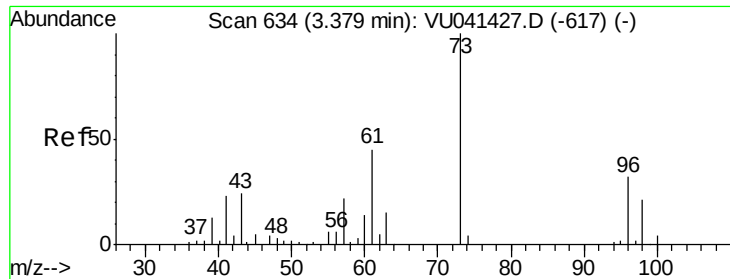


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

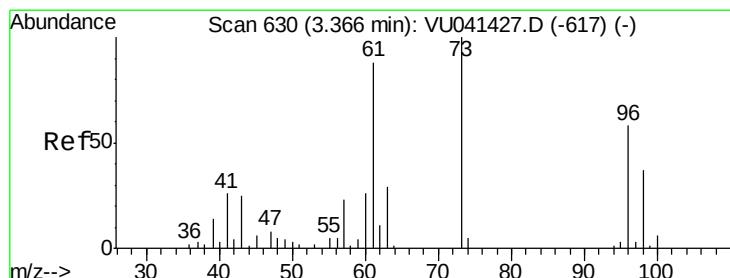
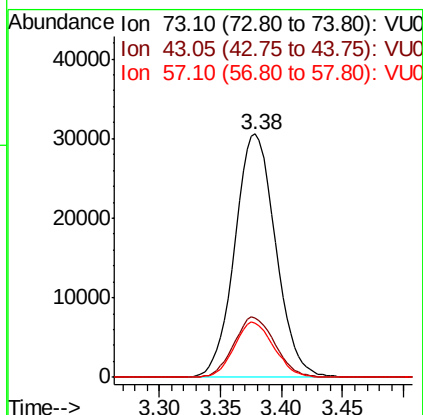
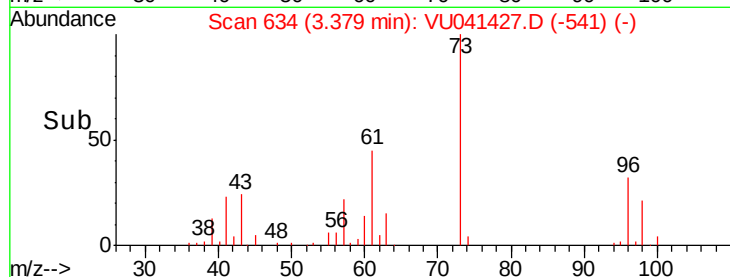
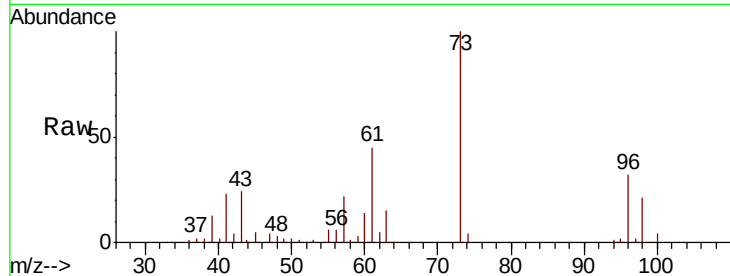




#17
Methyl tert-butyl Ether
Concen: 5.269 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041427.D
Acq: 25 Nov 2020 12:40

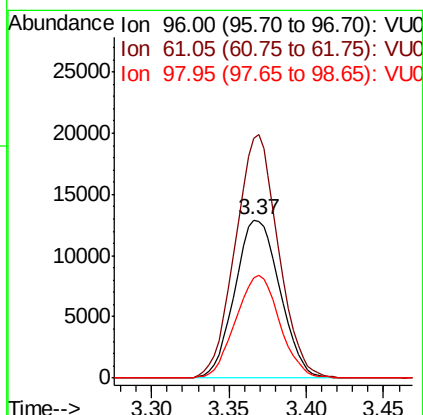
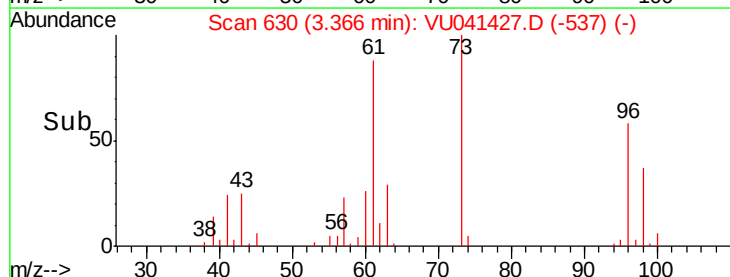
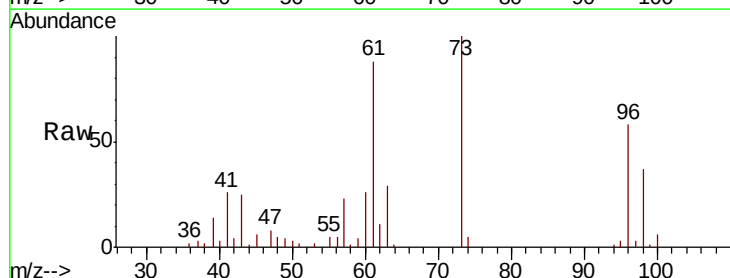
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

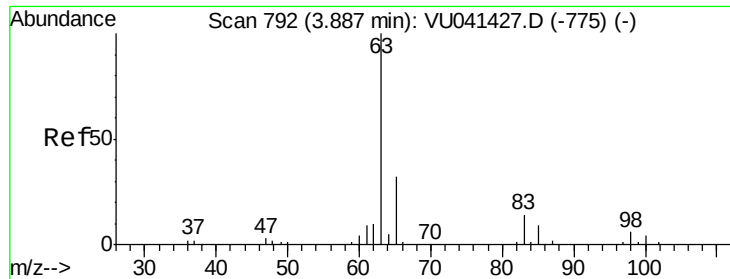
Tot Ion: 73 Resp: 70871
Ion Ratio Lower Upper
73 100
43 24.8 19.8 29.8
57 22.0 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 5.041 ug/L
RT: 3.37 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU041427.D
Acq: 25 Nov 2020 12:40

Tgt Ion: 96 Resp: 26118
Ion Ratio Lower Upper
96 100
61 152.0 106.4 197.6
98 63.4 44.4 82.4

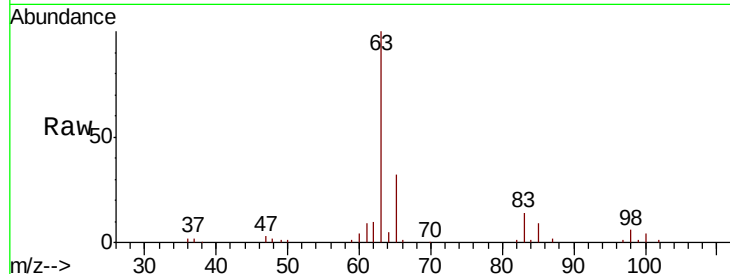




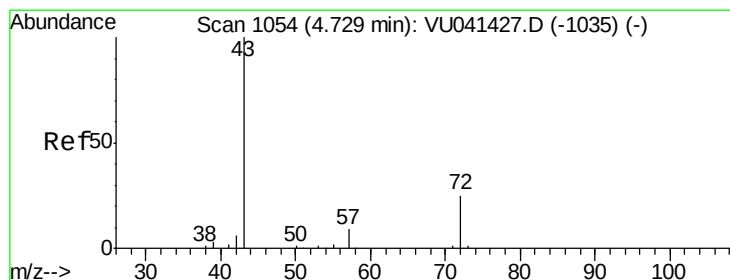
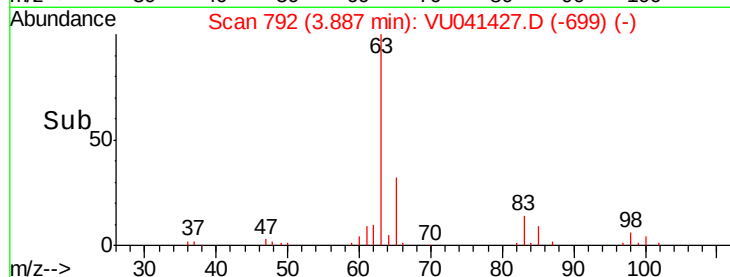
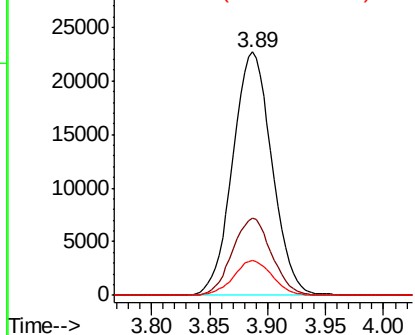
#19
 1,1-Dichloroethane
 Concen: 4.995 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041427.D
 Acq: 25 Nov 2020 12:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

Tot Ion: 63 Resp: 53363
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.3
 83 14.1 9.9 18.3

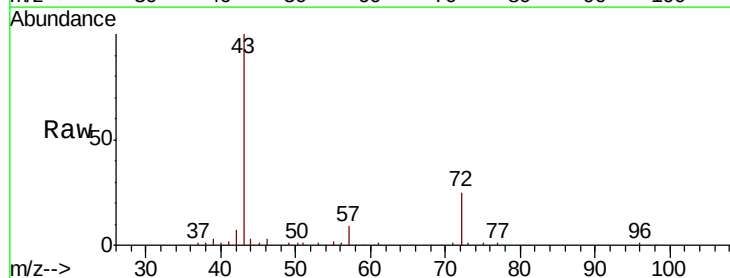


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

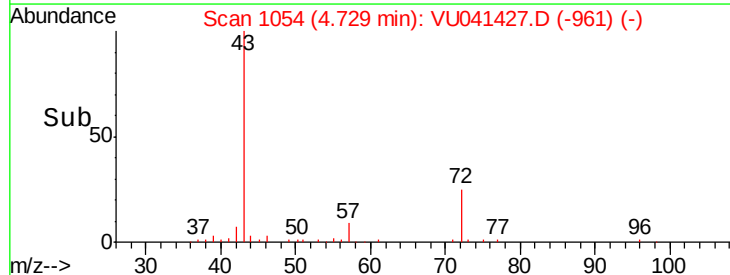
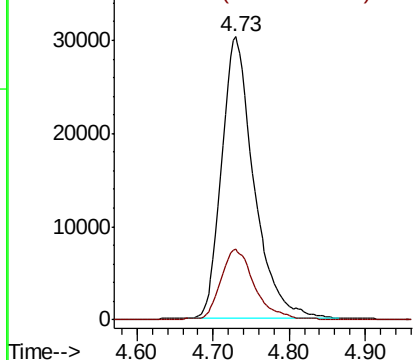


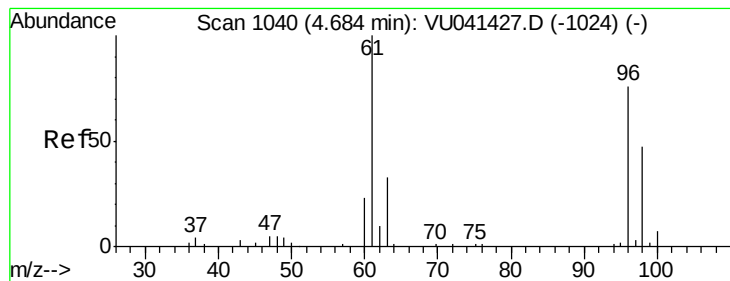
#21
 2-Butanone
 Concen: 42.900 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VU041427.D
 Acq: 25 Nov 2020 12:40

Tgt Ion: 43 Resp: 88786
 Ion Ratio Lower Upper
 43 100
 72 26.7 13.4 40.1



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: 5.302 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD005105

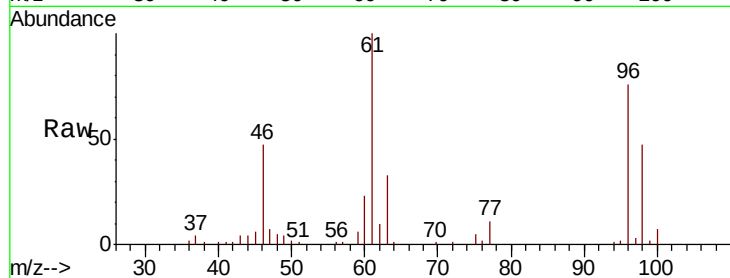
Tot Ion: 96 Resp: 29653

Ion Ratio Lower Upper

96 100

61 131.8 92.3 171.3

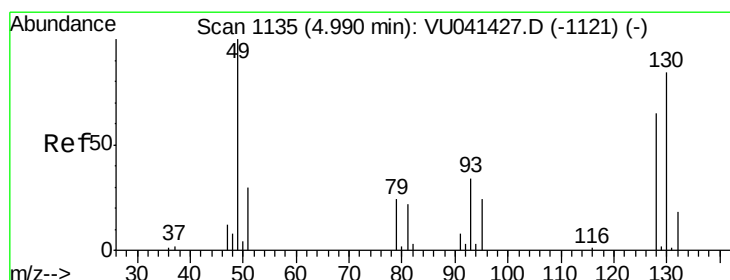
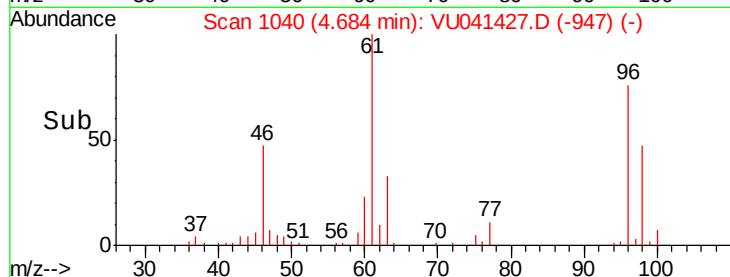
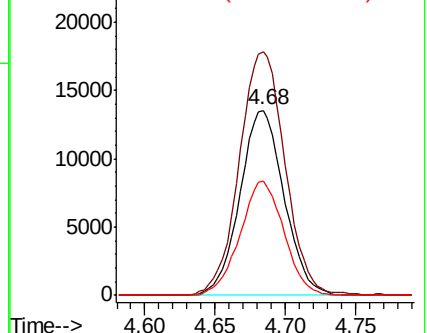
98 62.1 43.5 80.7



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: 5.321 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

Tgt Ion:128 Resp: 14071

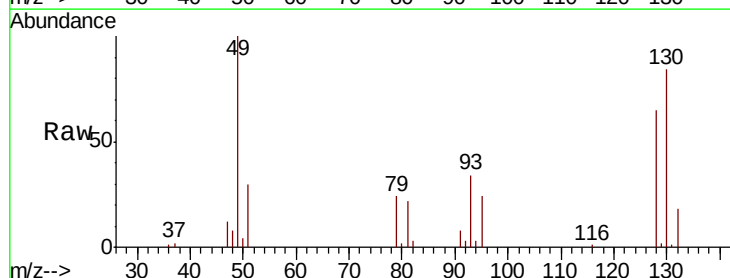
Ion Ratio Lower Upper

128 100

49 154.9 108.4 201.4

130 130.3 91.2 169.4

51 47.2 37.8 56.6

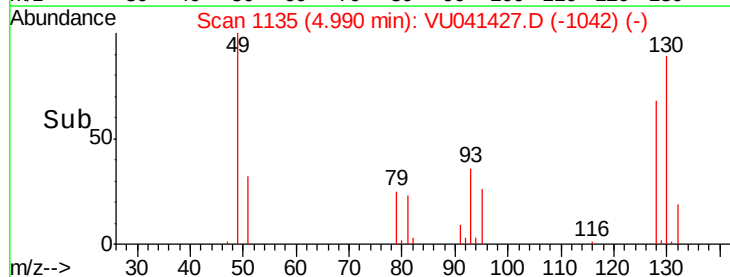
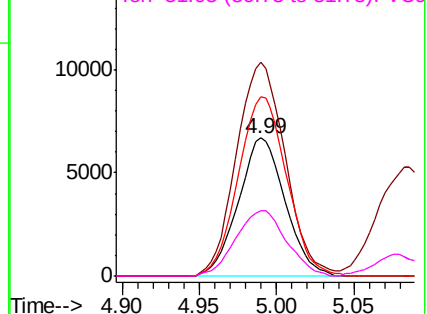


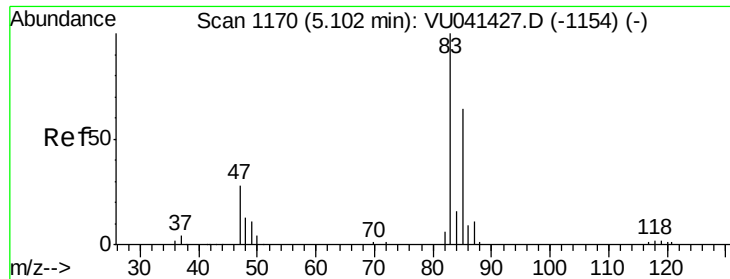
Abundance Ion 127.90 (127.60 to 128.60): V

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

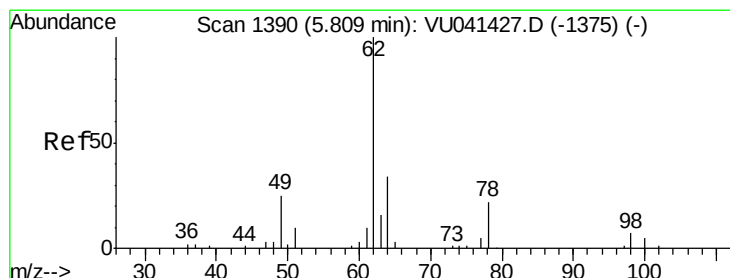
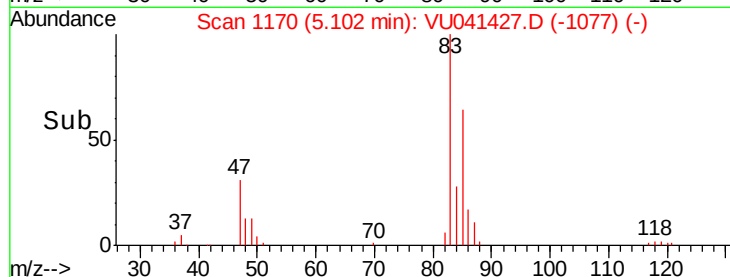
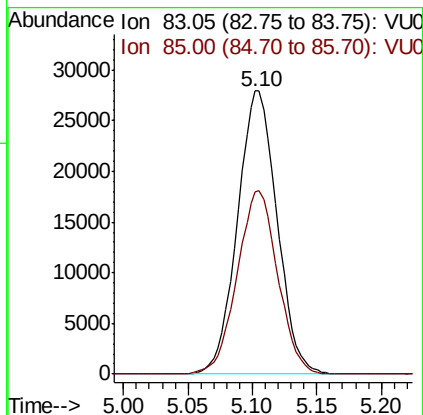
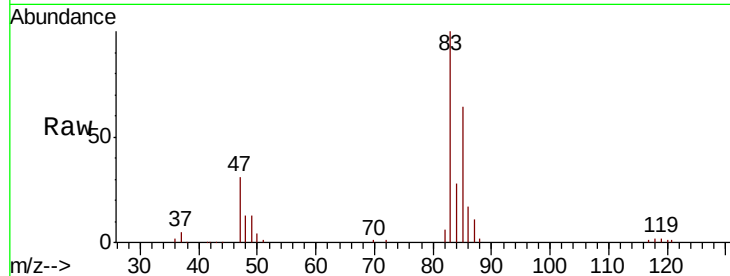




#25
Chloroform
Concen: 5.367 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VU041427.D
Acq: 25 Nov 2020 12:40

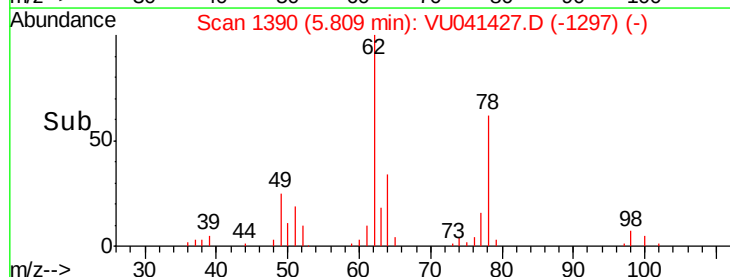
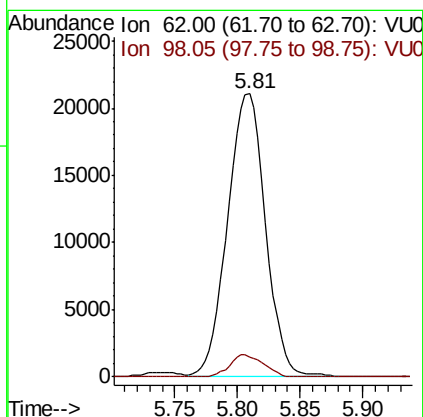
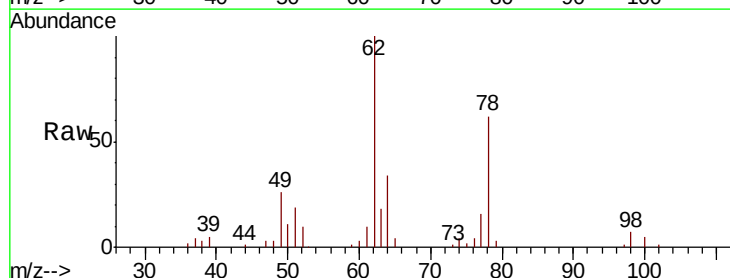
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

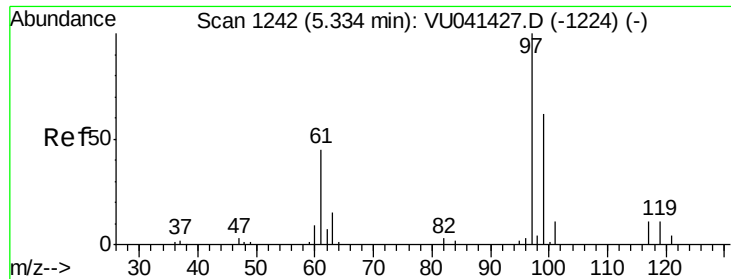
Tot Ion: 83 Resp: 59671
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.447 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041427.D
Acq: 25 Nov 2020 12:40

Tgt Ion: 62 Resp: 44364
Ion Ratio Lower Upper
62 100
98 7.2 5.8 8.6

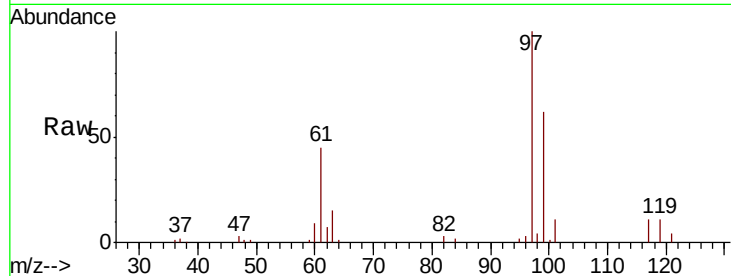




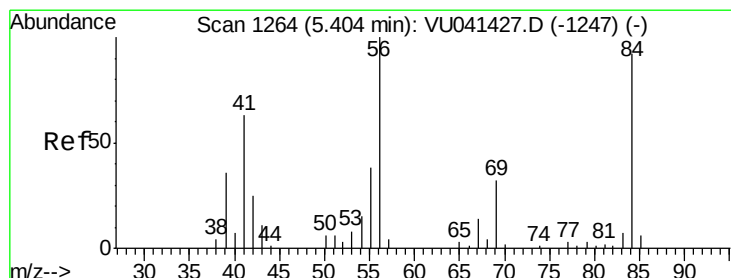
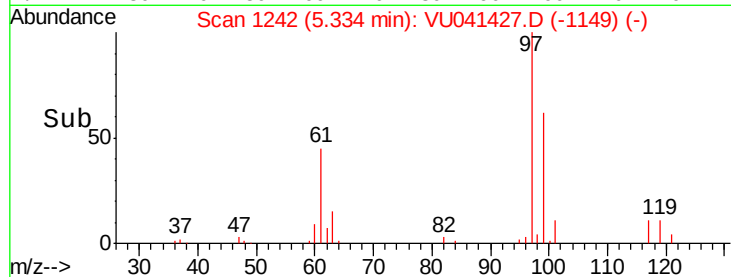
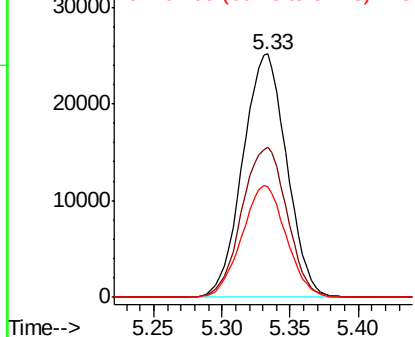
#29
1,1,1-Trichloroethane
Concen: 6.149 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041427.D
Acq: 25 Nov 2020 12:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

Tot Ion: 97 Resp: 56215
Ion Ratio Lower Upper
97 100
99 63.4 50.7 76.1
61 46.1 36.9 55.3

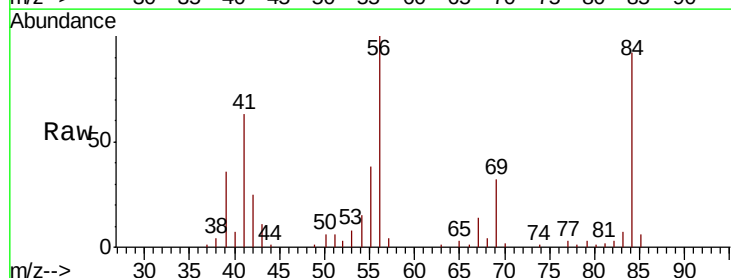


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

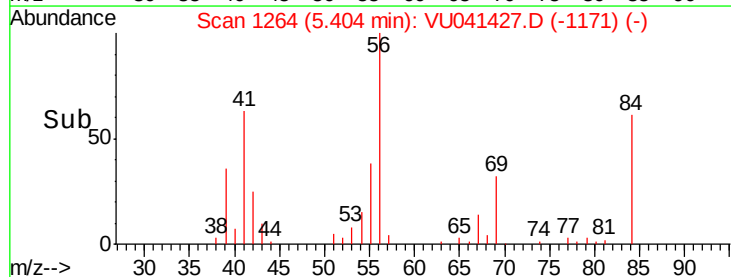
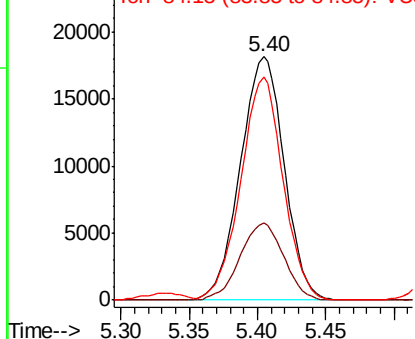


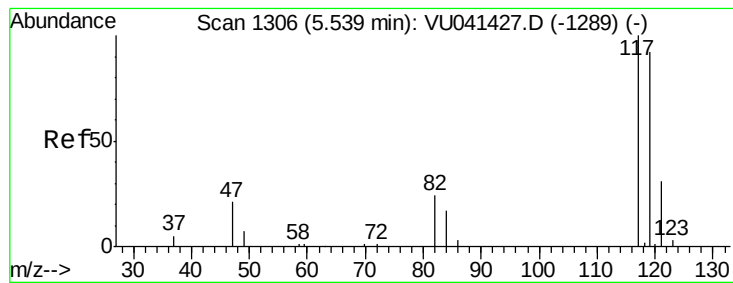
#30
Cyclohexane
Concen: 5.064 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041427.D
Acq: 25 Nov 2020 12:40

Tgt Ion: 56 Resp: 40438
Ion Ratio Lower Upper
56 100
69 31.5 25.2 37.8
84 88.5 70.8 106.2



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: 6.385 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

Instrument :

MSVOA_U

ClientSampleId :

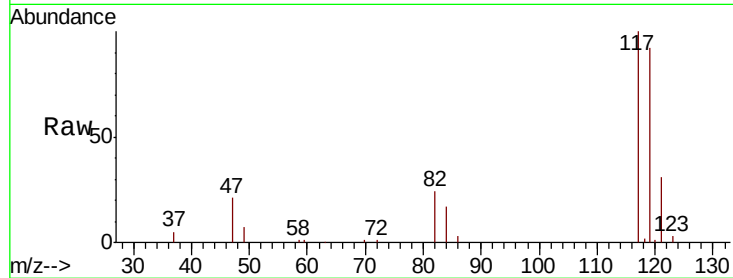
VSTD005105

Tot Ion:117 Resp: 50459

Ion Ratio Lower Upper

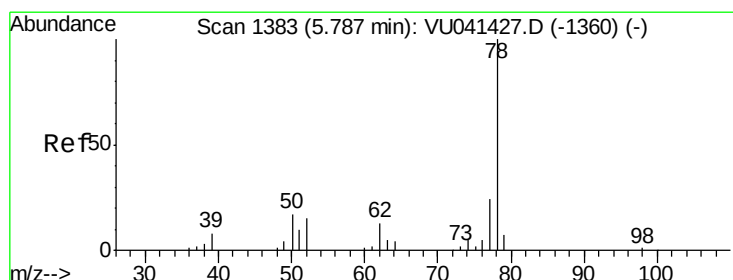
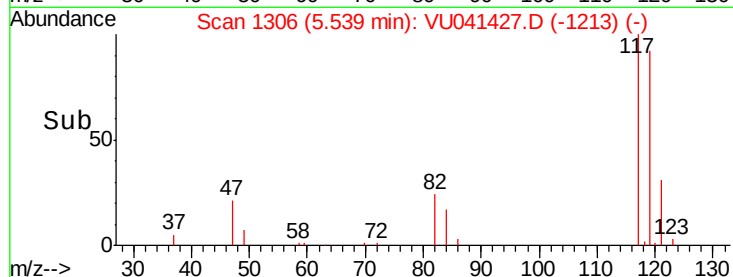
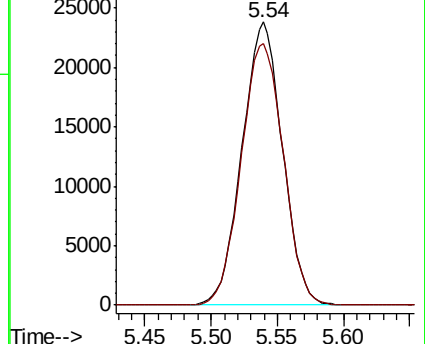
117 100

119 96.5 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.473 ug/L

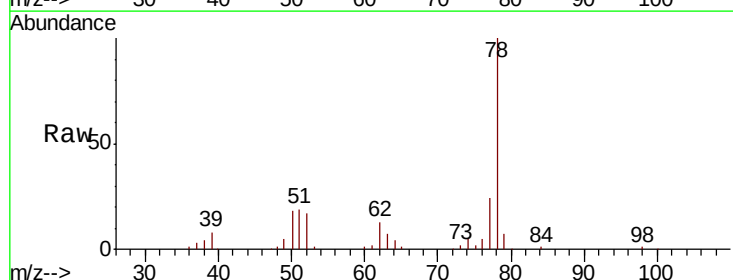
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

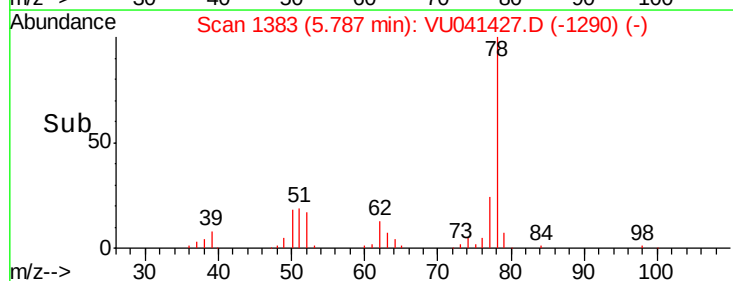
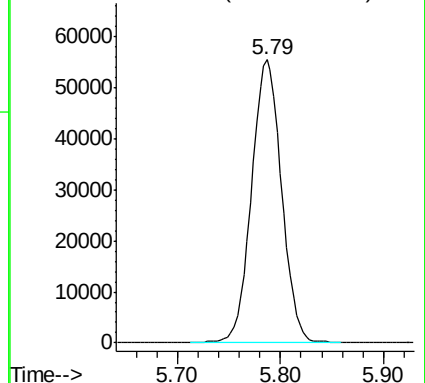
Lab File: VU041427.D

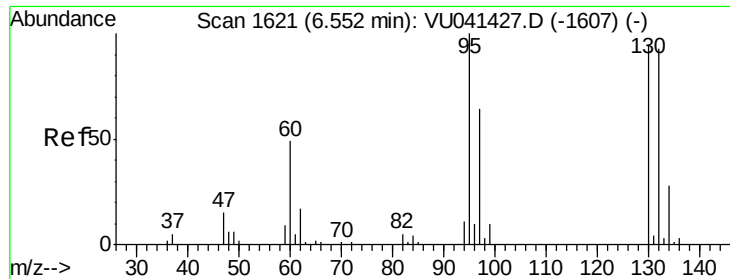
Acq: 25 Nov 2020 12:40

Tgt Ion: 78 Resp: 111867



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.550 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD005105

Tot Ion: 95 Resp: 30775

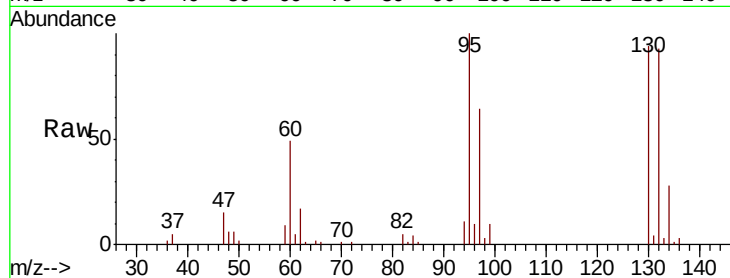
Ion Ratio Lower Upper

95 100

97 64.0 44.8 83.2

132 92.6 64.8 120.4

130 94.0 65.8 122.2



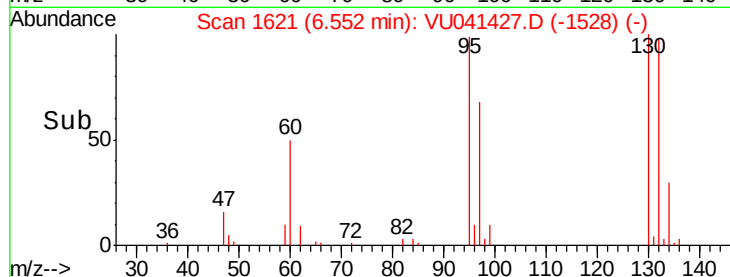
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Time-->



Abundance

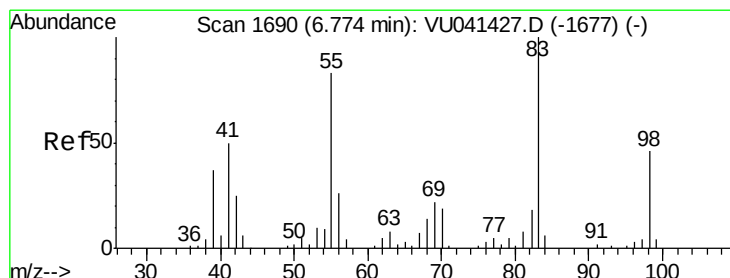
Ion 95.00 (94.70 to 95.70): VU0

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

Time-->



#35

Methylcyclohexane

Concen: 5.720 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

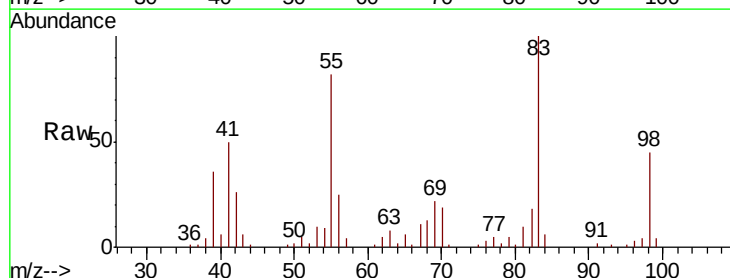
Tgt Ion: 83 Resp: 44209

Ion Ratio Lower Upper

83 100

55 83.1 66.5 99.7

98 46.0 36.8 55.2

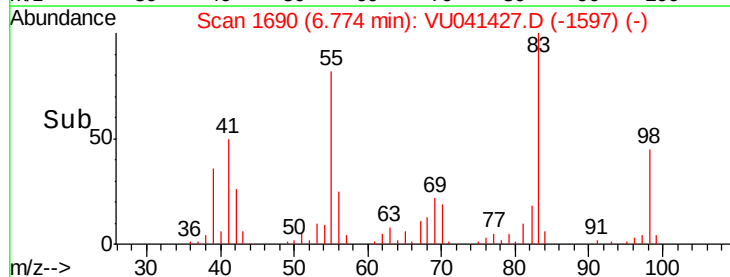


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

Time-->



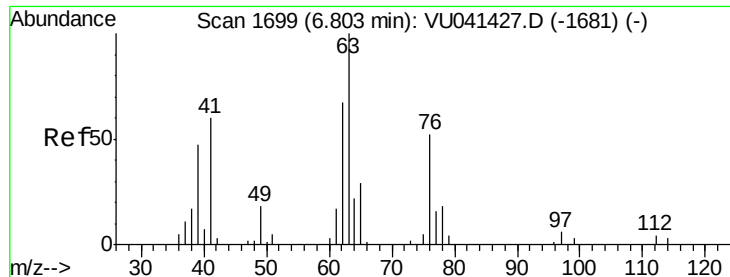
Abundance

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

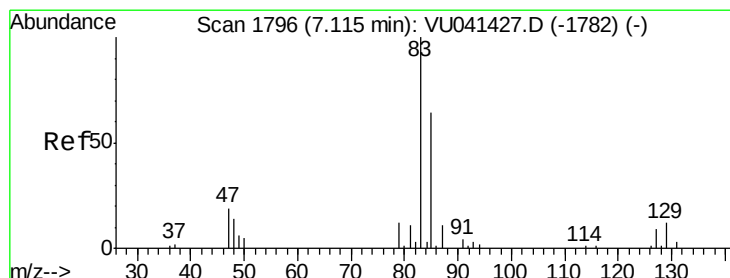
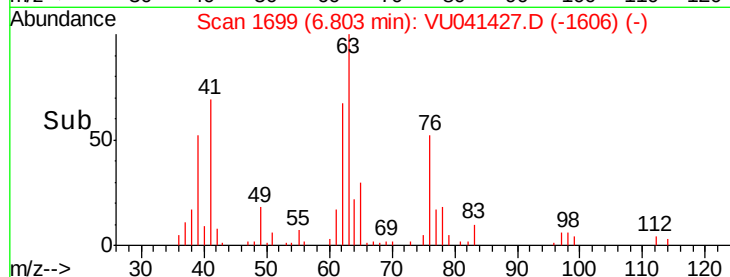
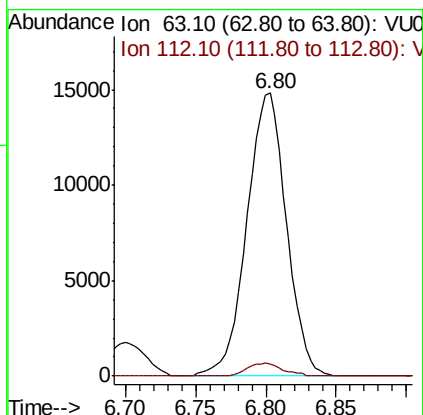
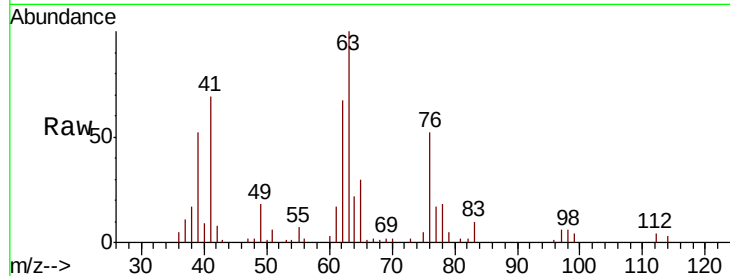
Time-->



#37
 1,2-Dichloropropane
 Concen: 5.082 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041427.D
 Acq: 25 Nov 2020 12:40

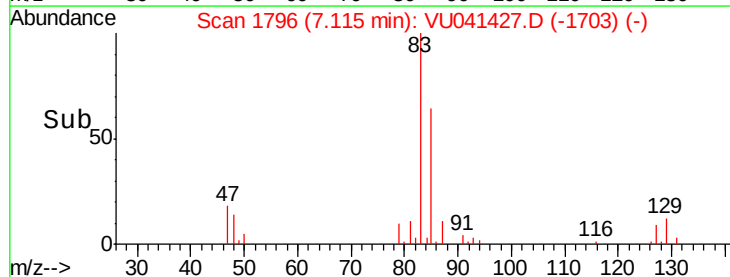
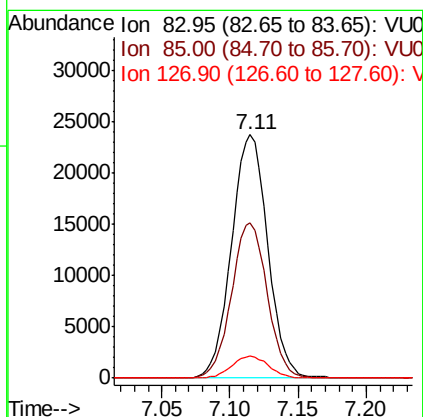
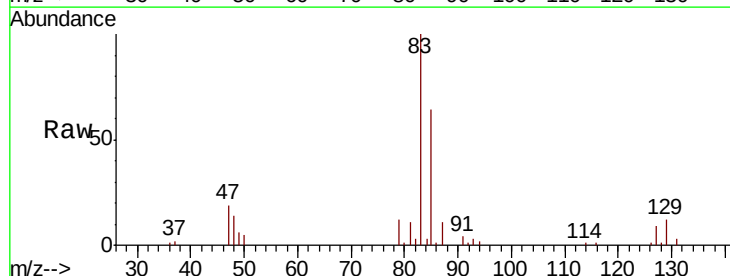
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

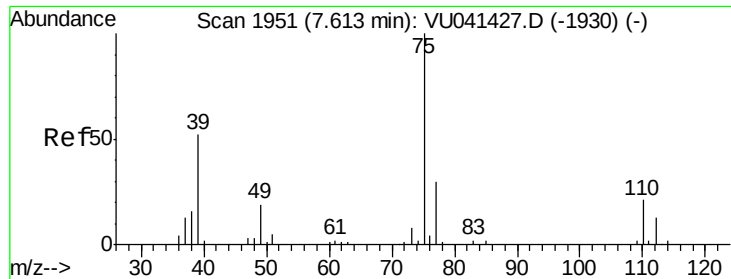
Tot Ion: 63 Resp: 29068
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.3 4.9



#38
 Bromodichloromethane
 Concen: 5.856 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041427.D
 Acq: 25 Nov 2020 12:40

Tgt Ion: 83 Resp: 43740
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.7 83.1
 127 9.0 7.2 10.8

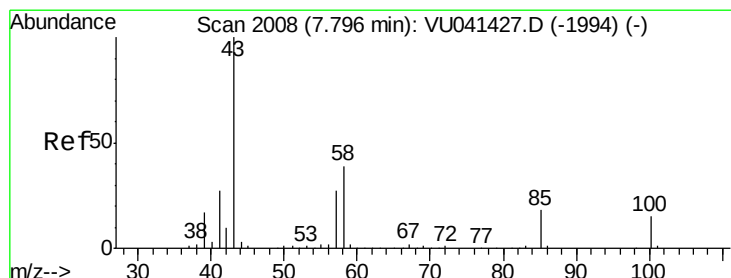
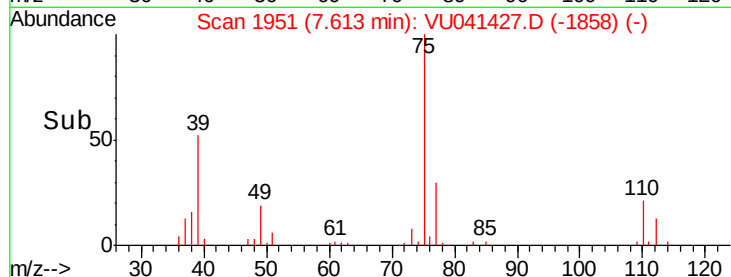
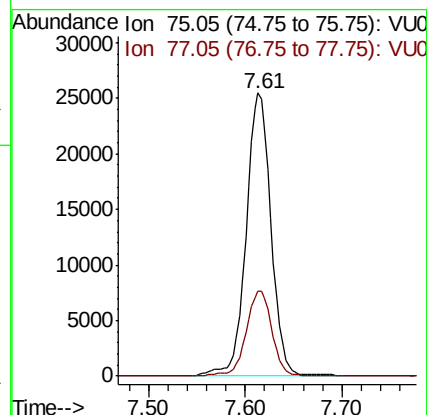
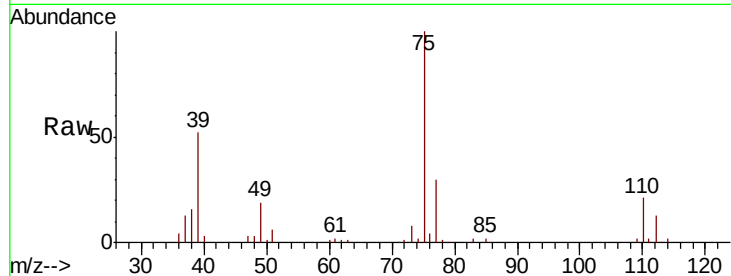




#39
 cis-1,3-Dichloropropene
 Concen: 5.773 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041427.D
 Acq: 25 Nov 2020 12:40

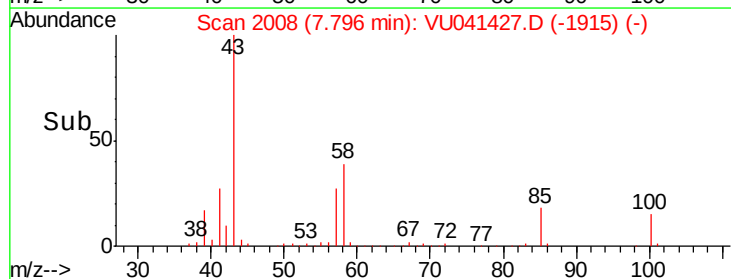
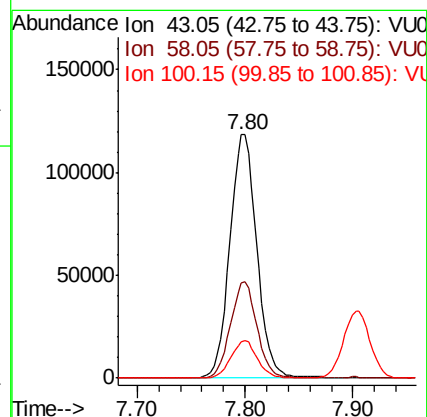
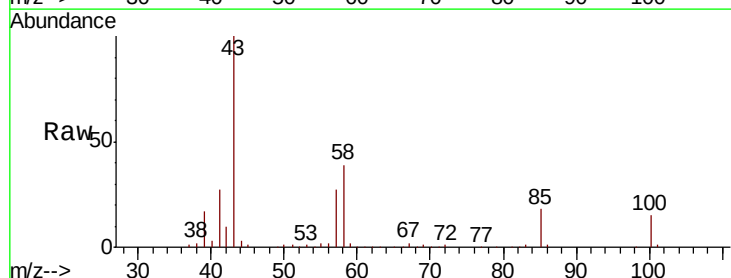
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

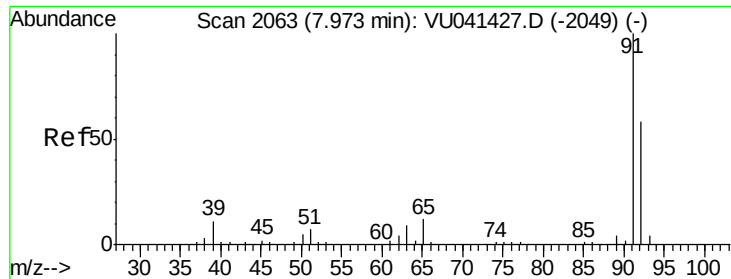
Tot Ion: 75 Resp: 45434
 Ion Ratio Lower Upper
 75 100
 77 30.0 21.0 39.0



#40
 4-Methyl-2-pentanone
 Concen: 48.630 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU041427.D
 Acq: 25 Nov 2020 12:40

Tgt Ion: 43 Resp: 206807
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.0 46.6
 100 15.0 12.0 18.0





#42

Toluene

Concen: 5.951 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

Instrument :

MSVOA_U

ClientSampleId :

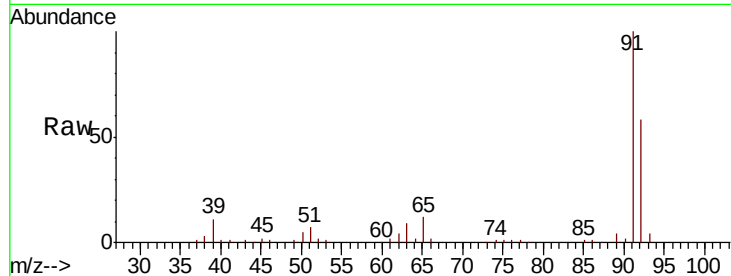
VSTD005105

Tot Ion: 91 Resp: 125262

Ion Ratio Lower Upper

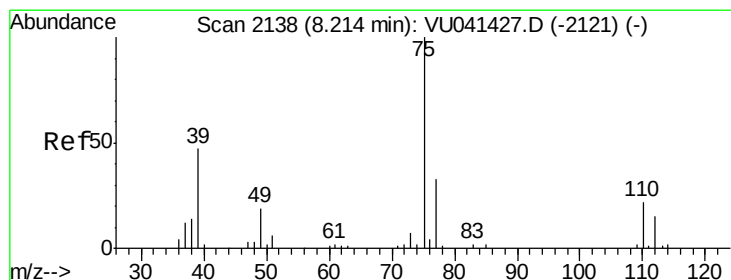
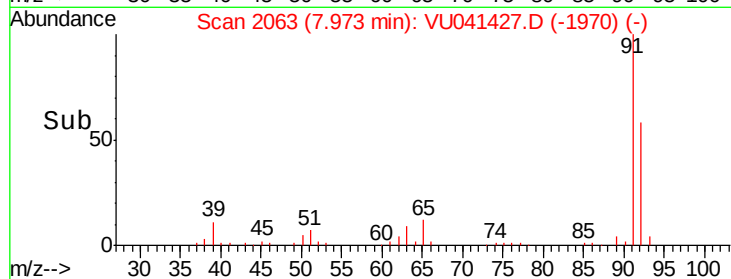
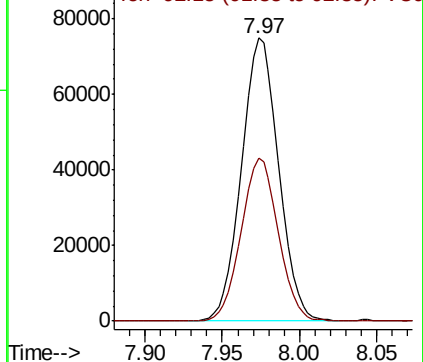
91 100

92 57.5 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.940 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041427.D

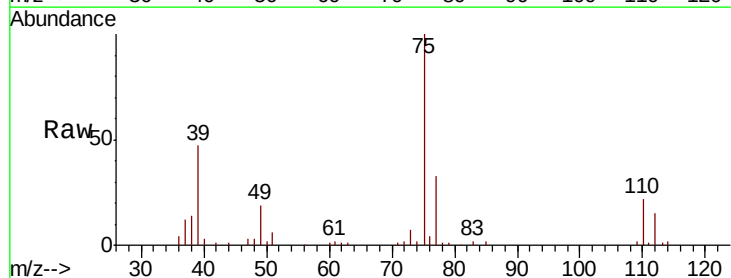
Acq: 25 Nov 2020 12:40

Tgt Ion: 75 Resp: 43845

Ion Ratio Lower Upper

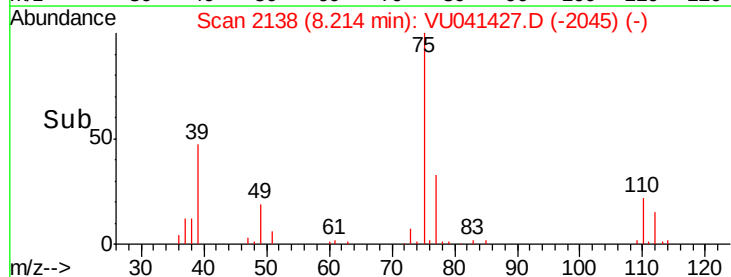
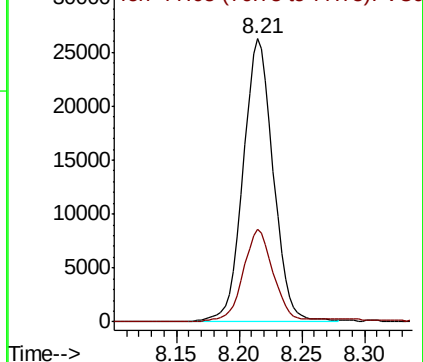
75 100

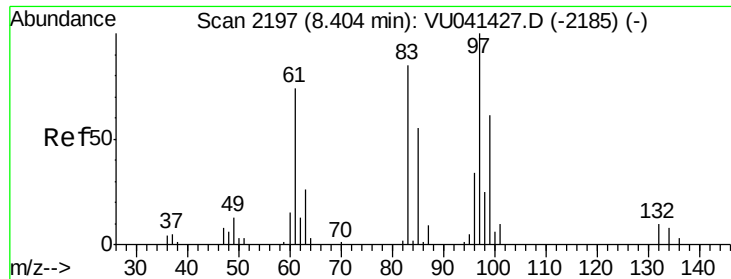
77 32.7 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

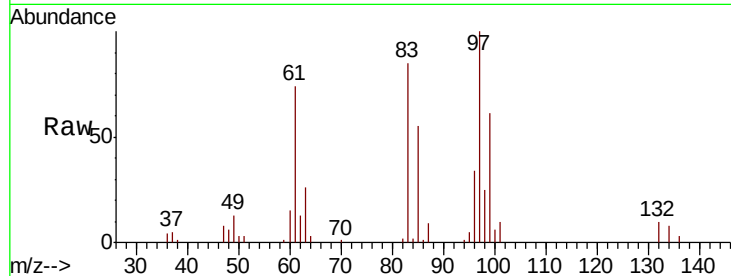




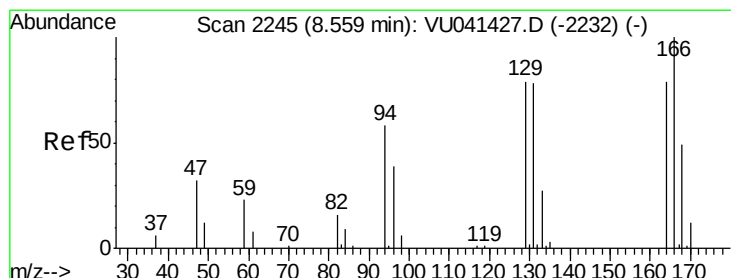
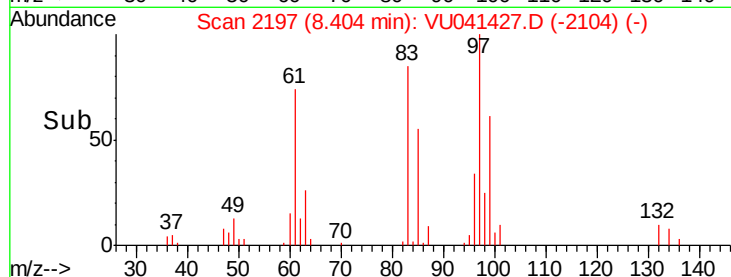
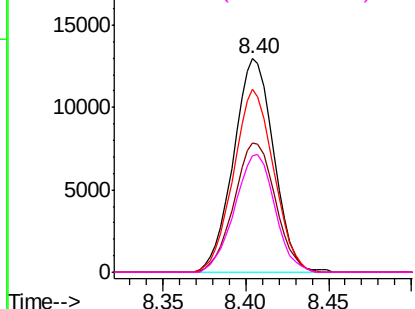
#45
 1,1,2-Trichloroethane
 Concen: 5.290 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU041427.D
 Acq: 25 Nov 2020 12:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

Tot Ion:	97	Resp:	21872
Ion	Ratio	Lower	Upper
97	100		
99	60.7	42.5	78.9
83	85.5	59.8	111.1
85	54.5	38.1	70.9

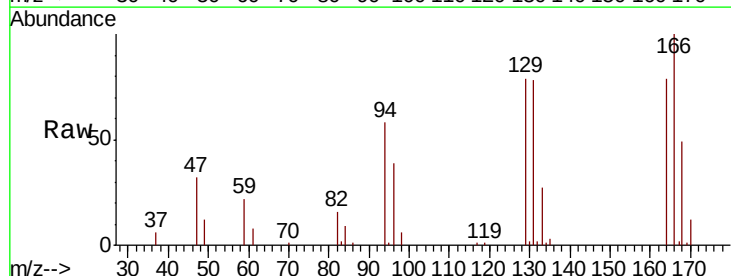


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

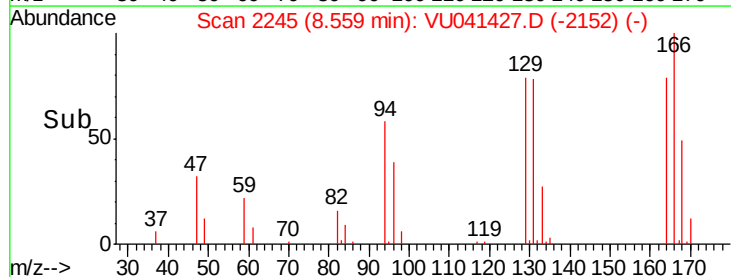
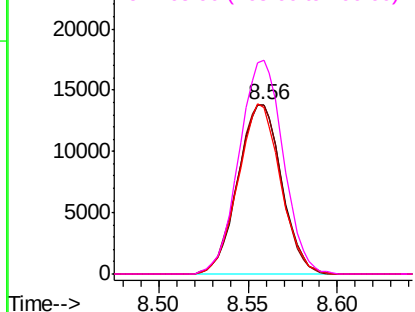


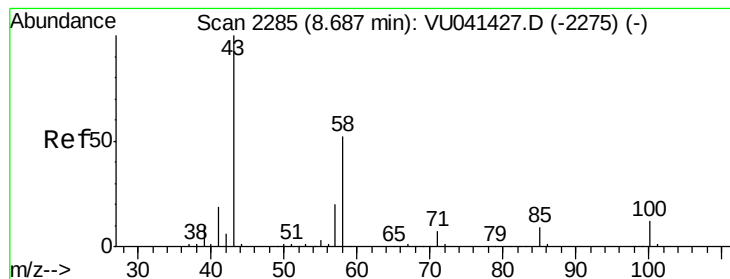
#47
 Tetrachloroethene
 Concen: 6.045 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041427.D
 Acq: 25 Nov 2020 12:40

Tgt Ion:	164	Resp:	23499
Ion	Ratio	Lower	Upper
164	100		
129	100.0	70.0	130.0
131	98.0	68.6	127.4
166	126.2	88.3	164.1



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: 49.390 ug/L

RT: 8.69 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD005105

Tot Ion: 43 Resp: 157564

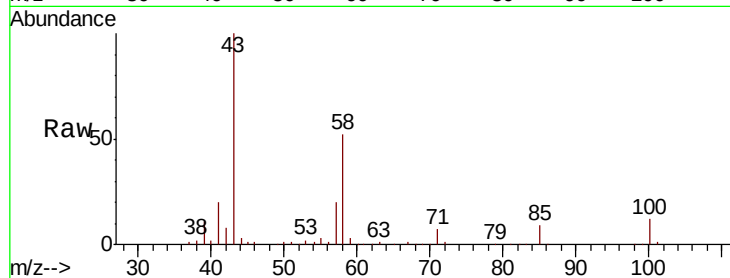
Ion Ratio Lower Upper

43 100

58 52.5 42.0 63.0

57 20.0 16.0 24.0

100 11.6 9.3 13.9

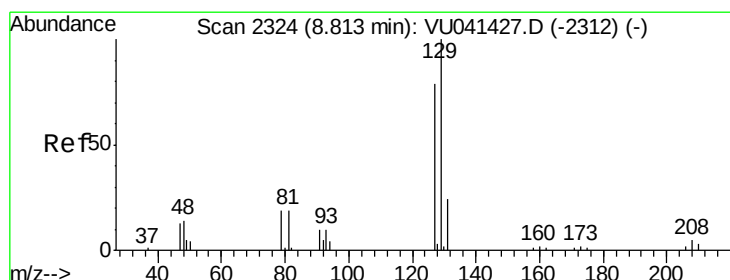
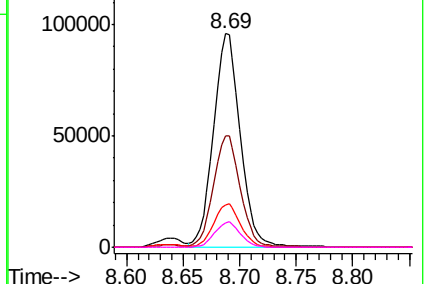
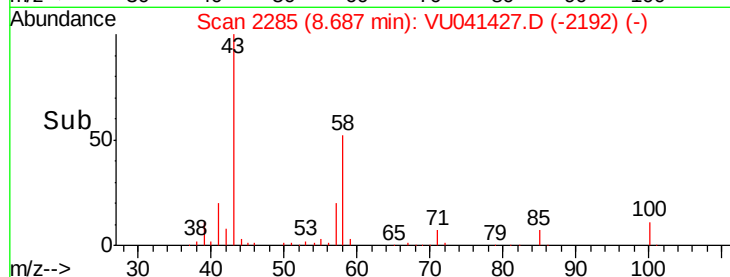


Abundance Ion 43.05 (42.75 to 43.75): VU041427.D (-2192) (-)

Ion 58.05 (57.75 to 58.75): VU041427.D (-2192) (-)

Ion 57.20 (56.90 to 57.90): VU041427.D (-2192) (-)

Ion 100.15 (99.85 to 100.85): VU041427.D (-2192) (-)



#49

Dibromochloromethane

Concen: 6.057 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. 0.00 min

Lab File: VU041427.D

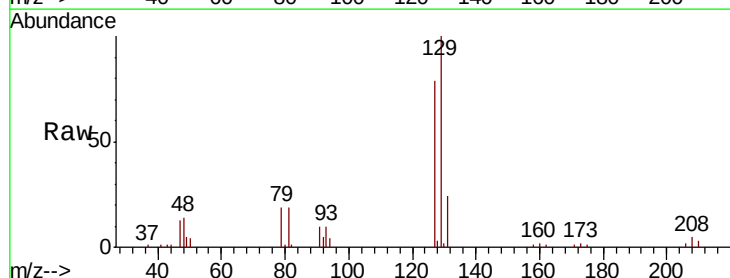
Acq: 25 Nov 2020 12:40

Tgt Ion: 129 Resp: 30193

Ion Ratio Lower Upper

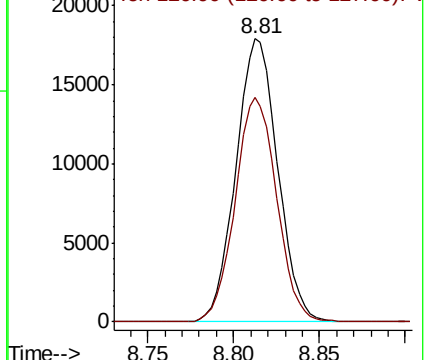
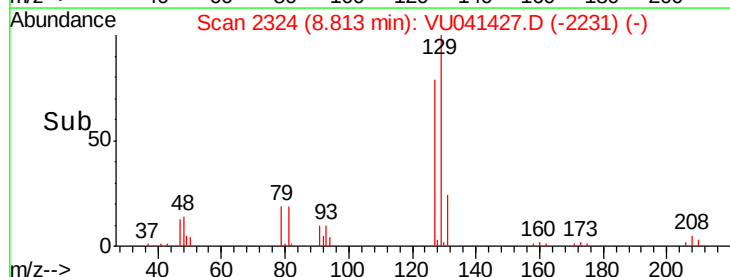
129 100

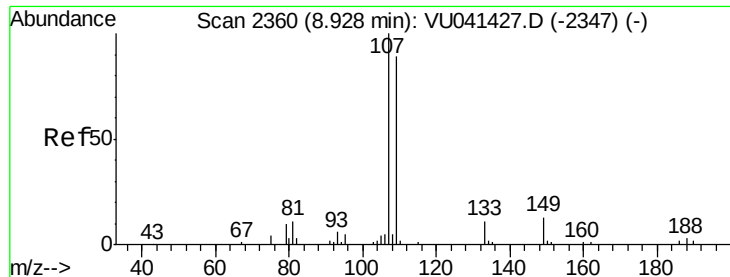
127 79.3 55.5 103.1



Abundance Ion 128.95 (128.65 to 129.65): VU041427.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU041427.D (-2231) (-)

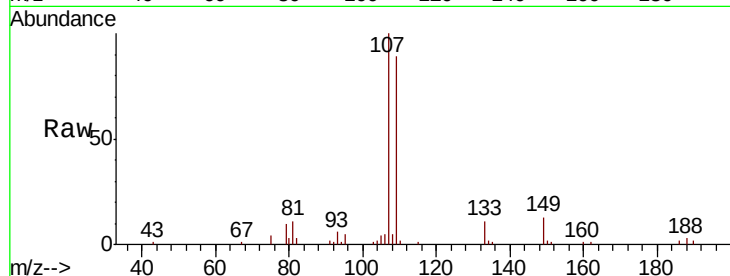




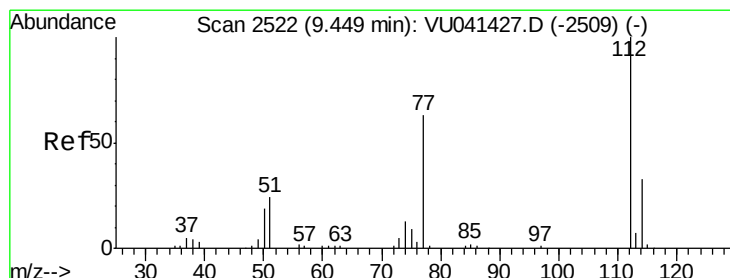
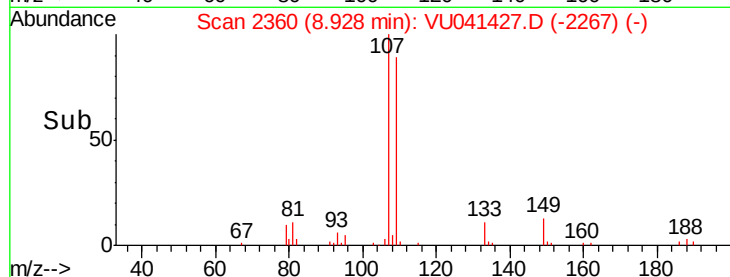
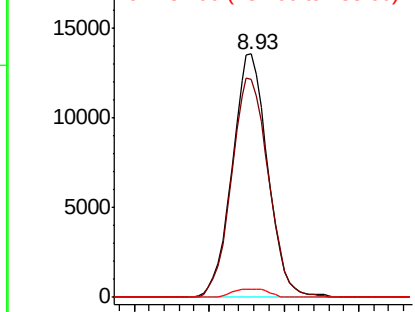
#50
1,2-Dibromoethane
Concen: 5.655 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041427.D
Acq: 25 Nov 2020 12:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

Tot Ion:107 Resp: 22330
Ion Ratio Lower Upper
107 100
109 89.5 62.6 116.3
188 3.3 2.6 4.0

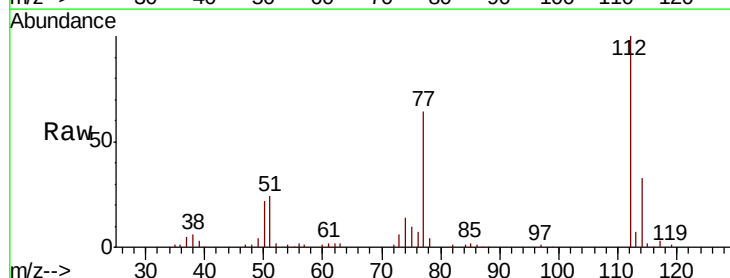


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

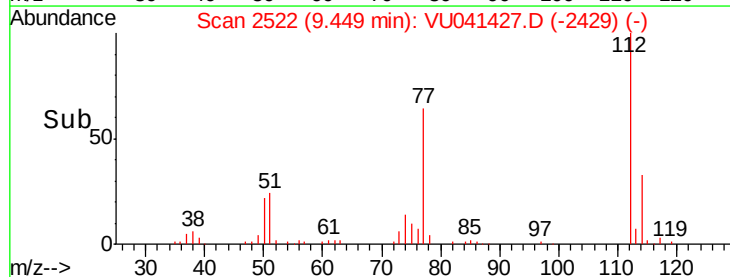
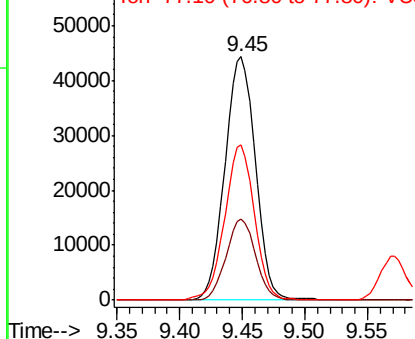


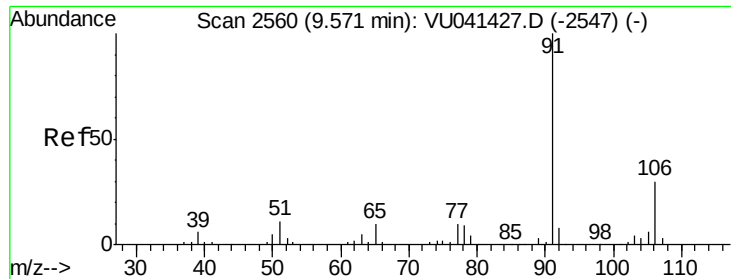
#51
Chlorobenzene
Concen: 5.566 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041427.D
Acq: 25 Nov 2020 12:40

Tgt Ion:112 Resp: 74771
Ion Ratio Lower Upper
112 100
114 33.5 23.4 43.6
77 64.0 51.2 76.8



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: 5.820 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

Instrument :

MSVOA_U

ClientSampleId :

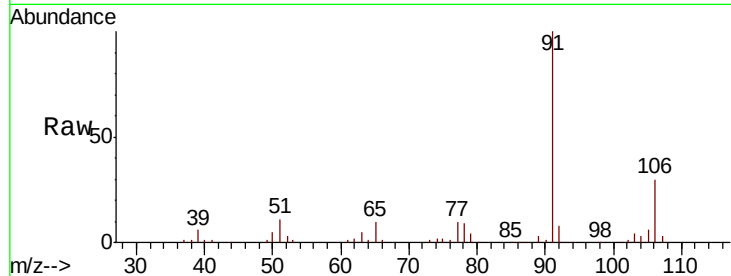
VSTD005105

Tot Ion: 91 Resp: 127177

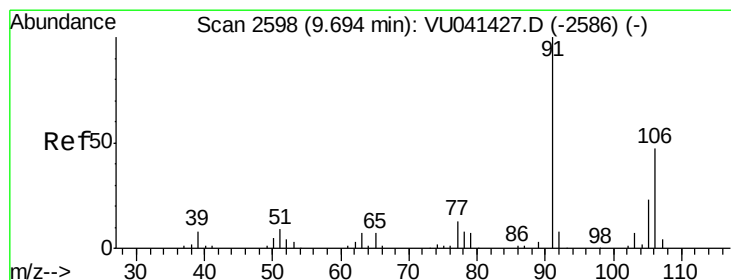
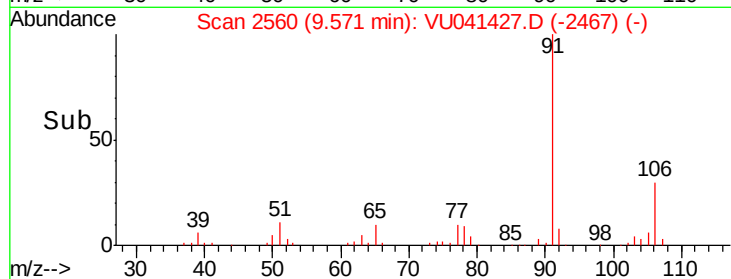
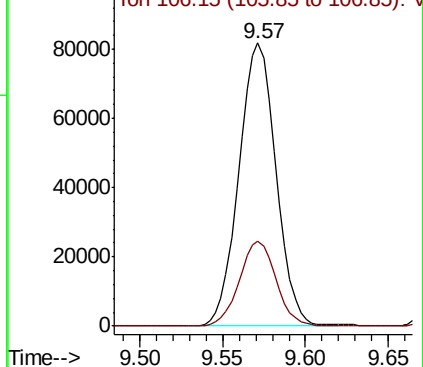
Ion Ratio Lower Upper

91 100

106 30.0 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041427.D (-2547) (-)



#53

m,p-Xylene

Concen: 6.054 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041427.D

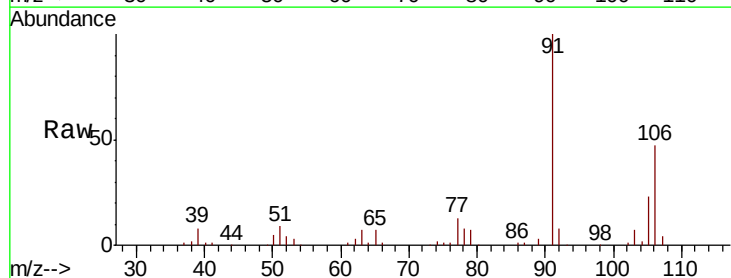
Acq: 25 Nov 2020 12:40

Tgt Ion: 106 Resp: 48187

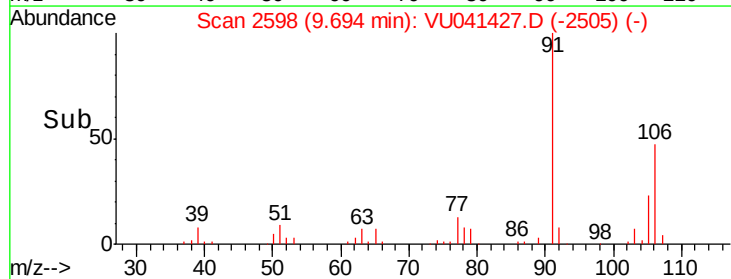
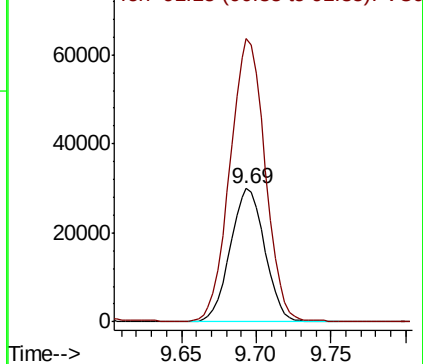
Ion Ratio Lower Upper

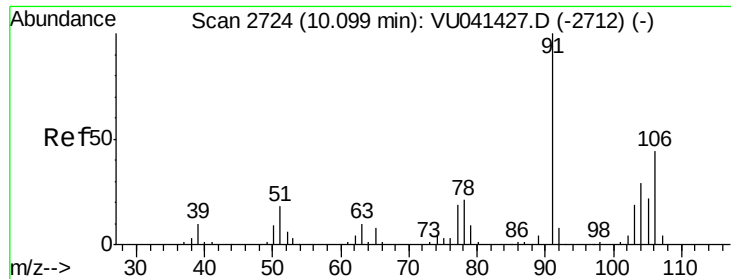
106 100

91 212.6 148.8 276.4



Abundance Ion 106.15 (105.85 to 106.85): VU041427.D (-2586) (-)

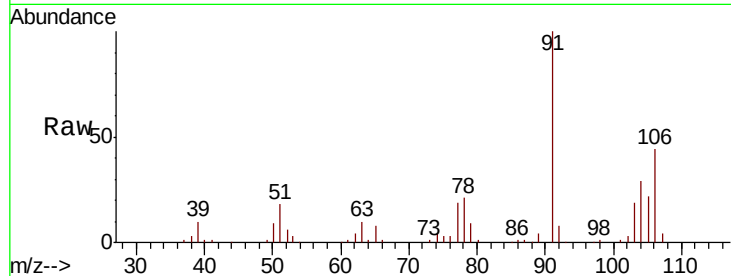




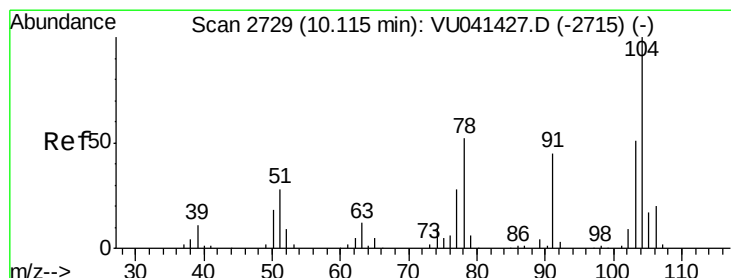
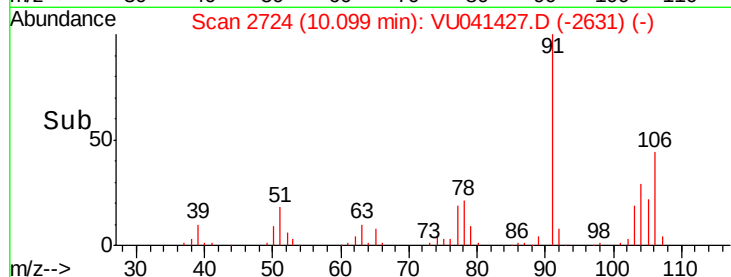
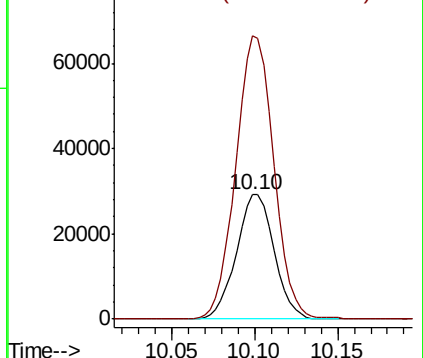
#54
o-Xylene
Concen: 6.041 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041427.D
Acq: 25 Nov 2020 12:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

Tot Ion:106 Resp: 46149
Ion Ratio Lower Upper
106 100
91 227.6 159.3 295.9

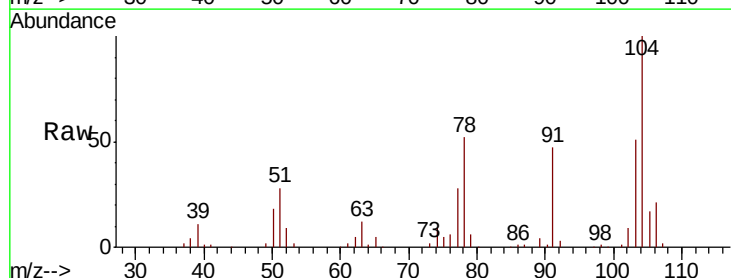


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

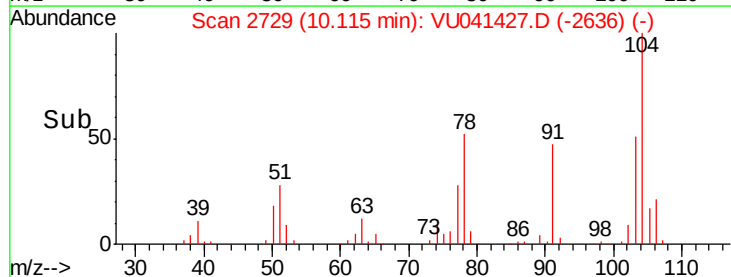
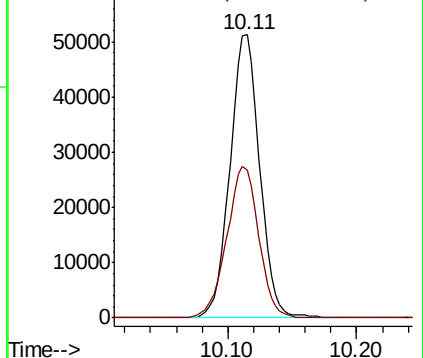


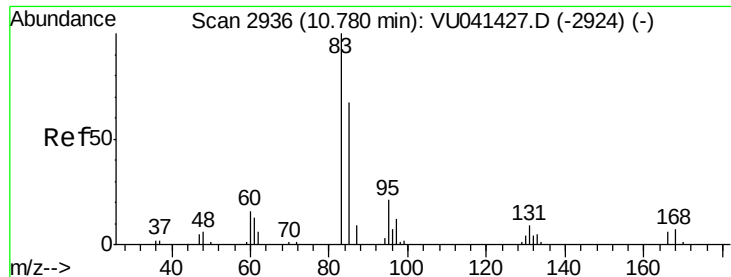
#55
Styrene
Concen: 6.188 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041427.D
Acq: 25 Nov 2020 12:40

Tgt Ion:104 Resp: 81922
Ion Ratio Lower Upper
104 100
78 52.0 36.4 67.6



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

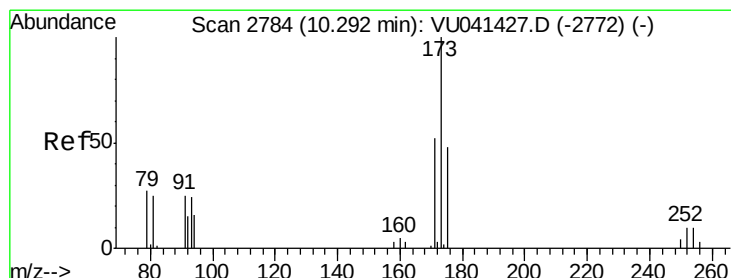
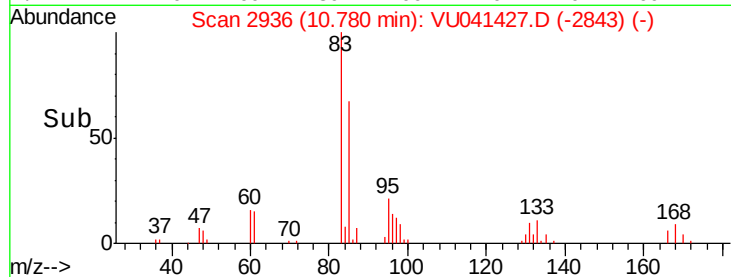
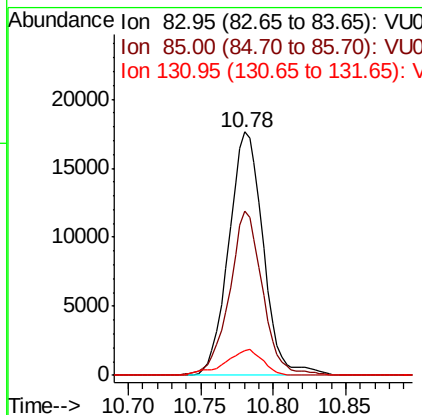
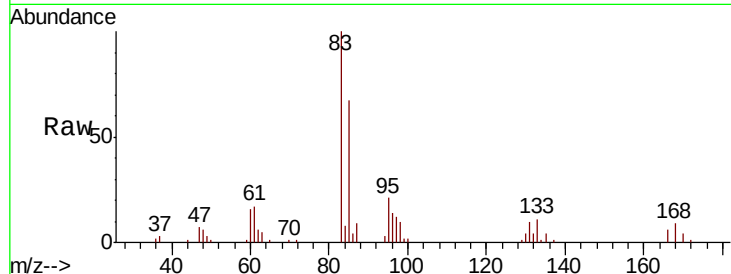




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.426 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041427.D
 Acq: 25 Nov 2020 12:40

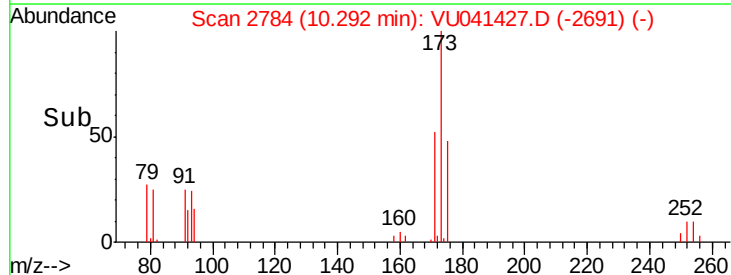
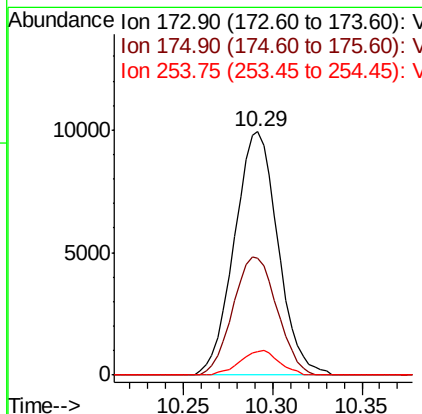
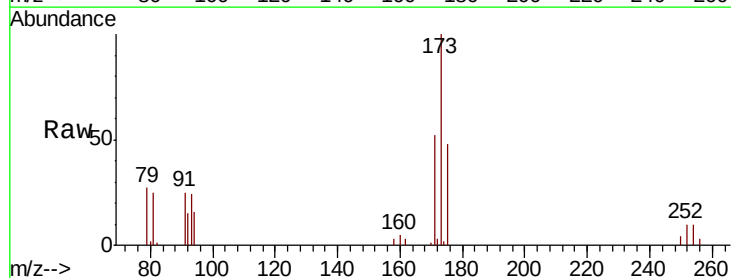
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

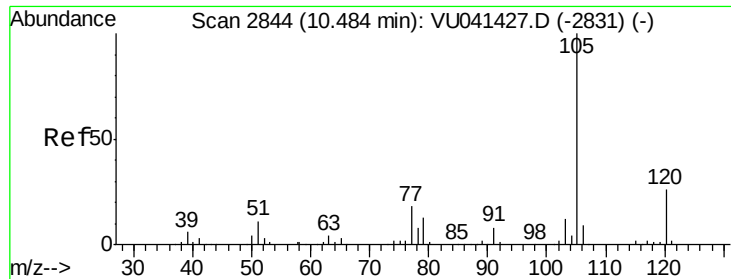
Tot Ion	83	Resp	29038
Ion Ratio	Lower	Upper	
83	100		
85	67.4	47.2	87.6
131	10.4	8.3	12.5



#59
 Bromoform
 Concen: 5.254 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041427.D
 Acq: 25 Nov 2020 12:40

Tgt Ion	173	Resp	16953
Ion Ratio	Lower	Upper	
173	100		
175	48.9	39.1	58.7
254	9.0	7.2	10.8





#60

Isopropylbenzene

Concen: 5.416 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD005105

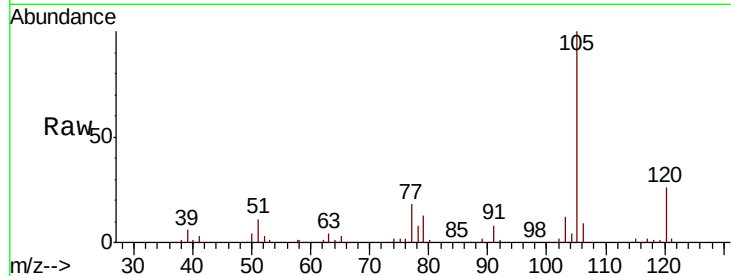
Tot Ion:105 Resp: 129254

Ion Ratio Lower Upper

105 100

120 25.3 20.2 30.4

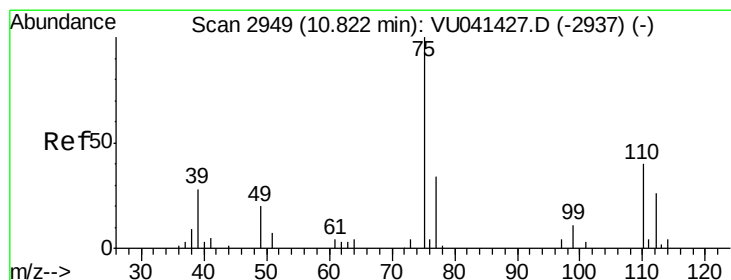
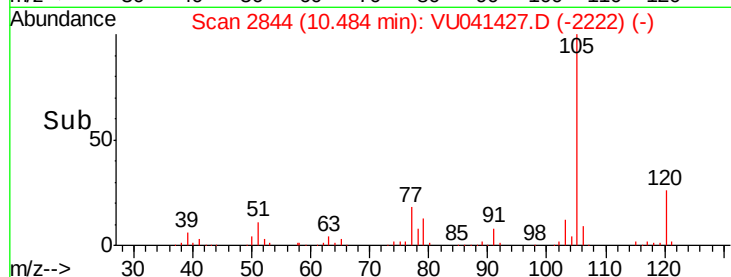
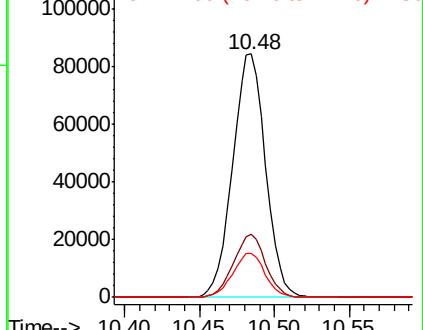
77 17.8 14.2 21.4



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: 4.586 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

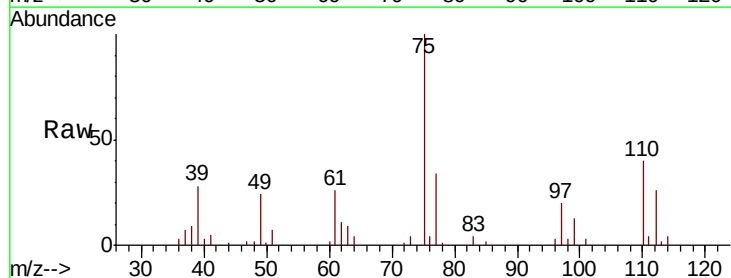
Tgt Ion: 75 Resp: 22121

Ion Ratio Lower Upper

75 100

110 38.7 31.0 46.4

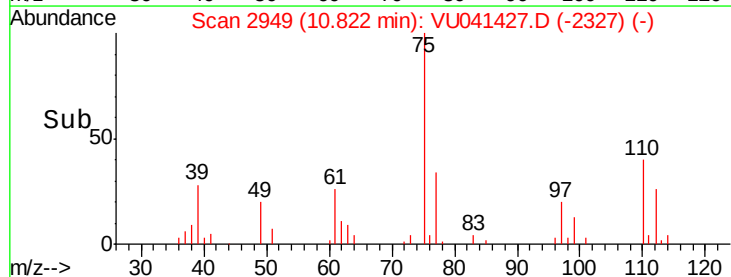
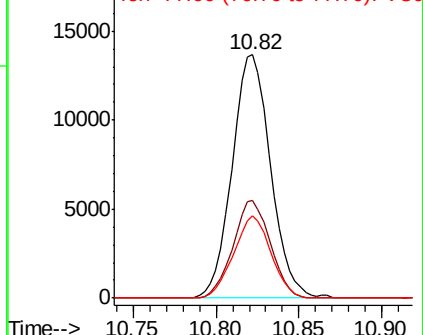
77 32.5 26.0 39.0

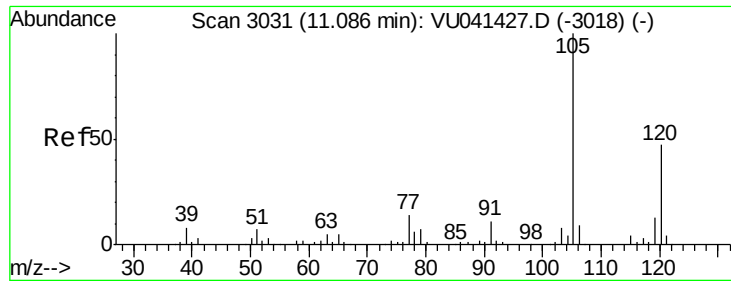


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

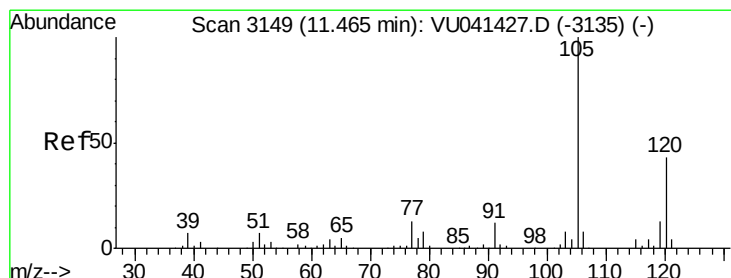
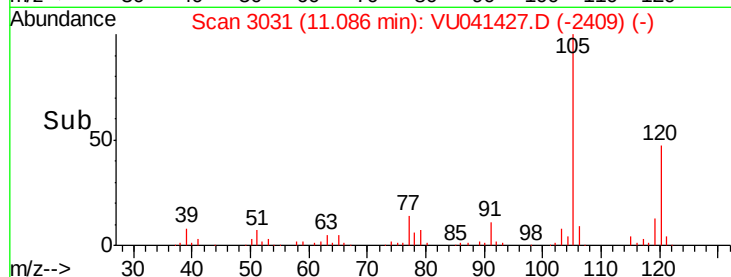
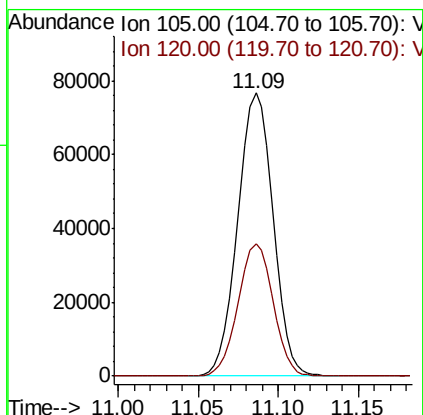
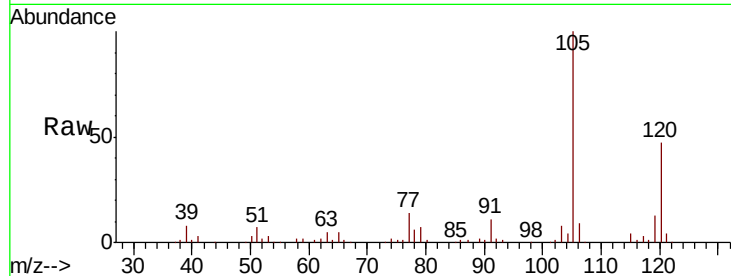




#62
 1,3,5-Trimethylbenzene
 Concen: 5.841 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041427.D
 Acq: 25 Nov 2020 12:40

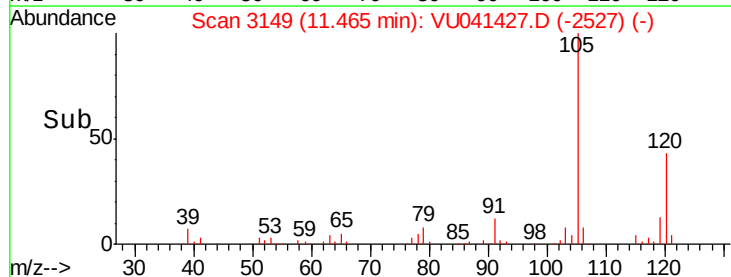
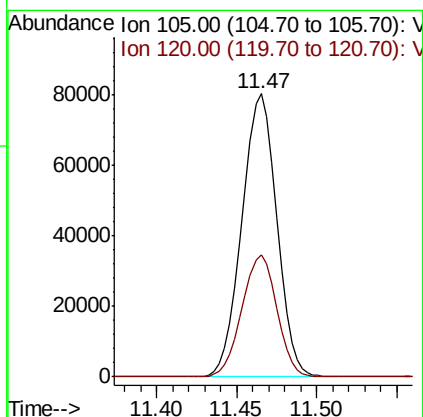
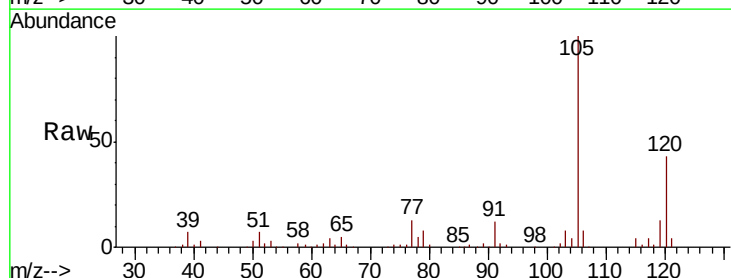
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

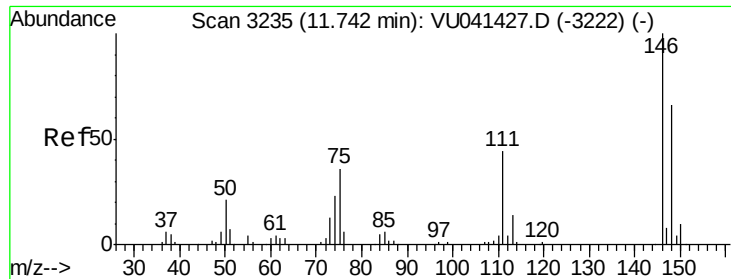
Tot Ion:105 Resp: 115127
 Ion Ratio Lower Upper
 105 100
 120 46.4 37.1 55.7



#63
 1,2,4-Trimethylbenzene
 Concen: 5.989 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU041427.D
 Acq: 25 Nov 2020 12:40

Tgt Ion:105 Resp: 119181
 Ion Ratio Lower Upper
 105 100
 120 43.2 34.6 51.8

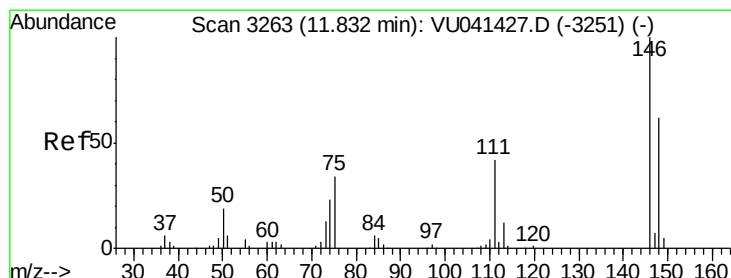
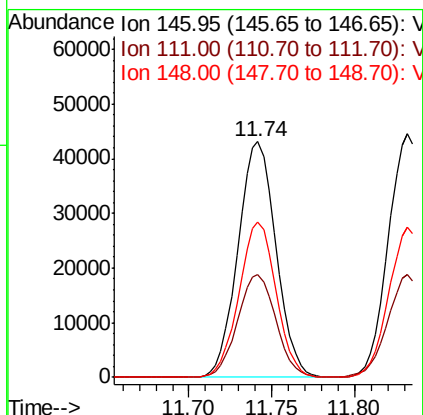
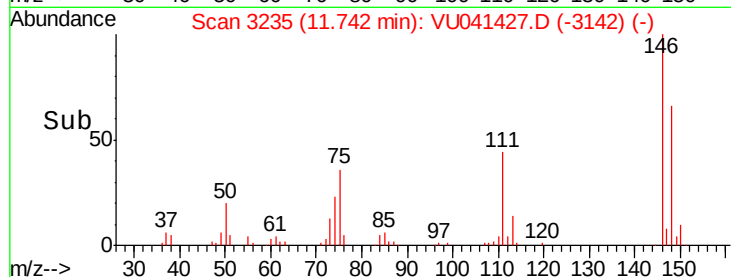
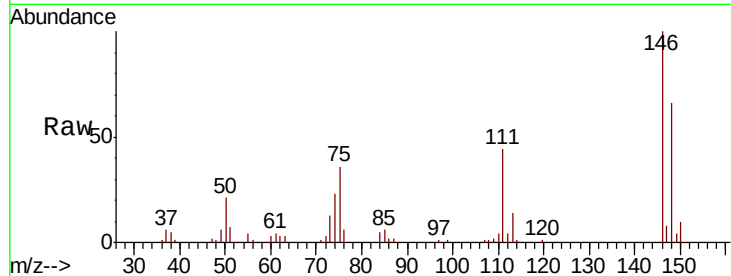




#64
 1,3-Dichlorobenzene
 Concen: 5.674 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041427.D
 Acq: 25 Nov 2020 12:40

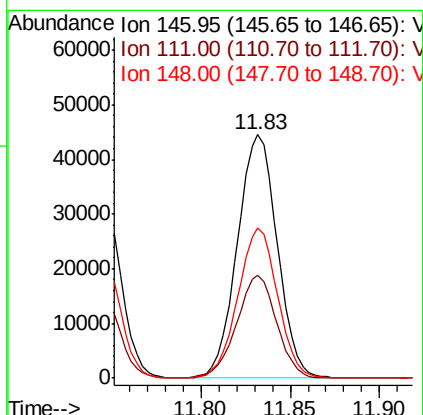
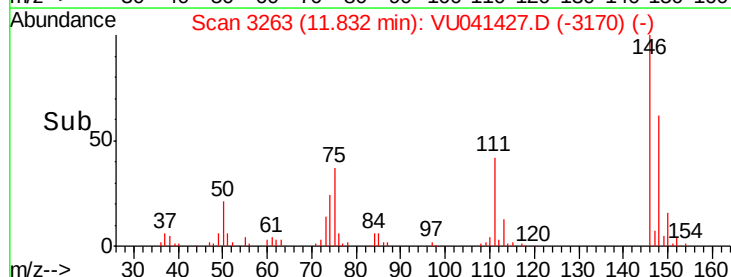
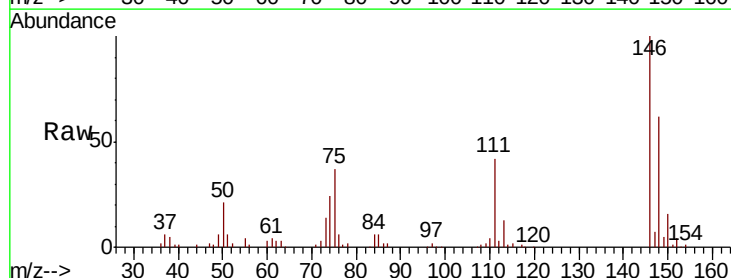
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

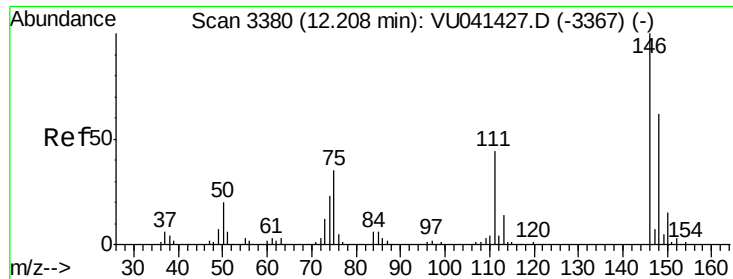
Tot Ion:146 Resp: 68666
 Ion Ratio Lower Upper
 146 100
 111 43.5 30.4 56.5
 148 66.1 46.3 85.9



#65
 1,4-Dichlorobenzene
 Concen: 5.641 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041427.D
 Acq: 25 Nov 2020 12:40

Tgt Ion:146 Resp: 69585
 Ion Ratio Lower Upper
 146 100
 111 42.2 29.5 54.9
 148 61.9 43.3 80.5

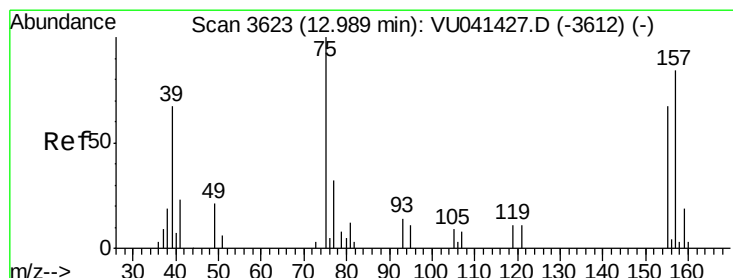
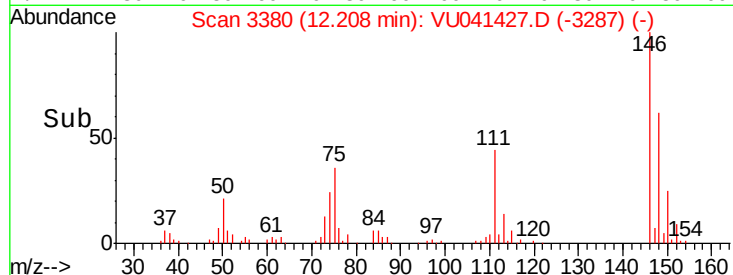
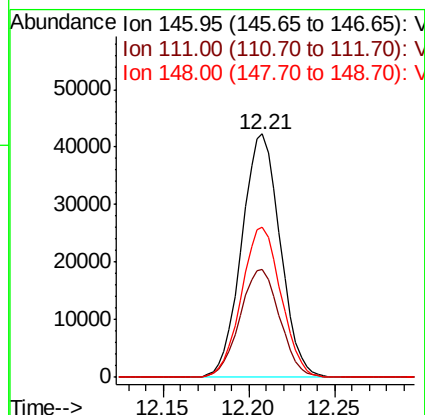
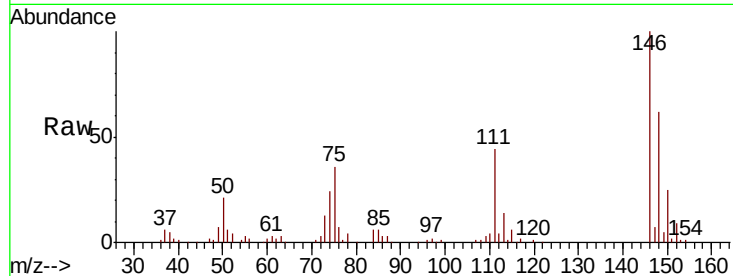




#67
 1,2-Dichlorobenzene
 Concen: 5.578 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041427.D
 Acq: 25 Nov 2020 12:40

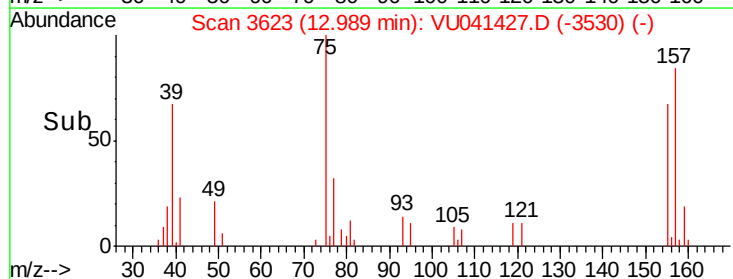
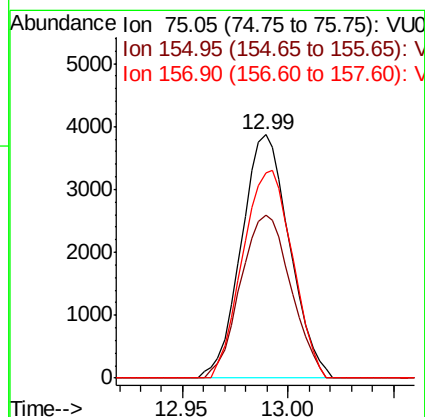
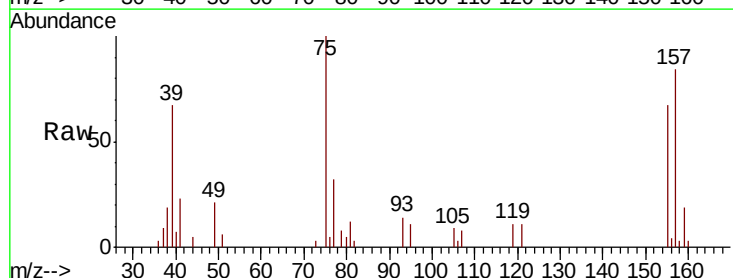
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

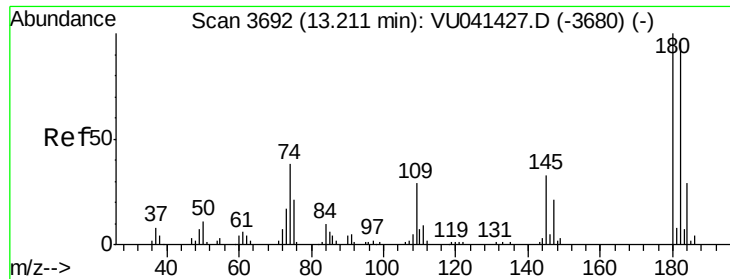
Tot Ion:146 Resp: 65725
 Ion Ratio Lower Upper
 146 100
 111 44.3 35.4 53.2
 148 61.8 49.4 74.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.336 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041427.D
 Acq: 25 Nov 2020 12:40

Tgt Ion: 75 Resp: 6158
 Ion Ratio Lower Upper
 75 100
 155 67.2 53.8 80.6
 157 84.4 67.5 101.3





#69

1,3,5-Trichlorobenzene

Concen: 6.023 ug/L

RT: 13.21 min Scan# 3692

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD005105

Tot Ion:180 Resp: 51058

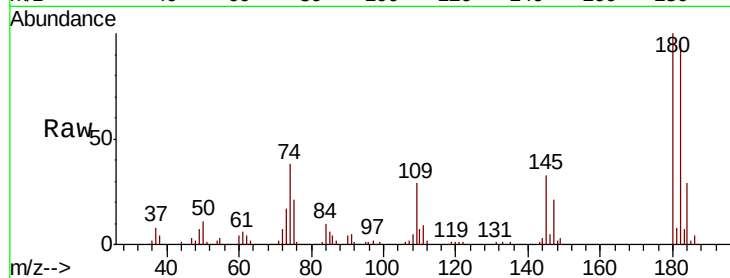
Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

184 30.2 24.2 36.2

145 33.1 26.5 39.7

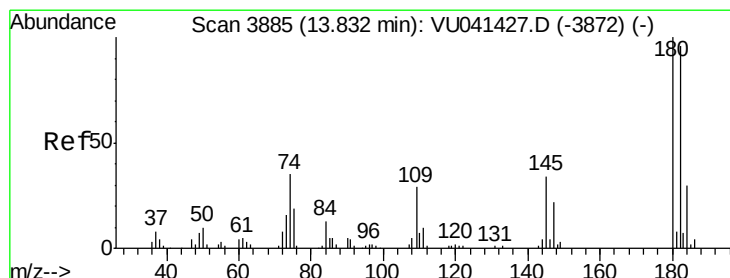
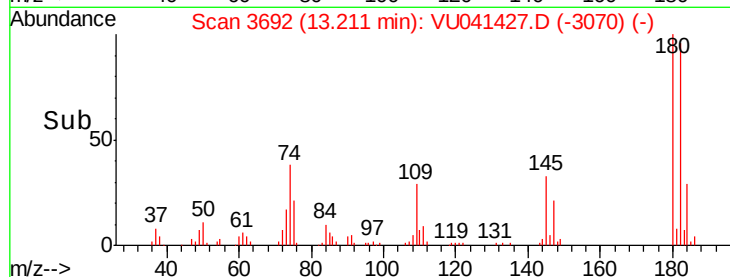
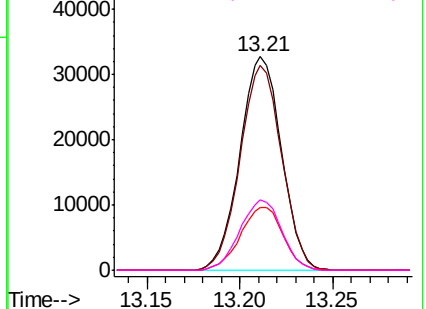


Abundance Ion 180.00 (179.70 to 180.70): V

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: 6.048 ug/L

RT: 13.83 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VU041427.D

Acq: 25 Nov 2020 12:40

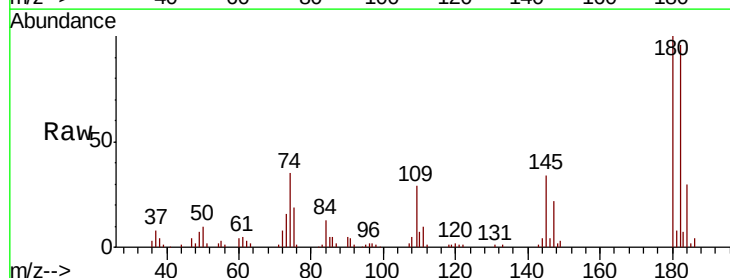
Tgt Ion:180 Resp: 43290

Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

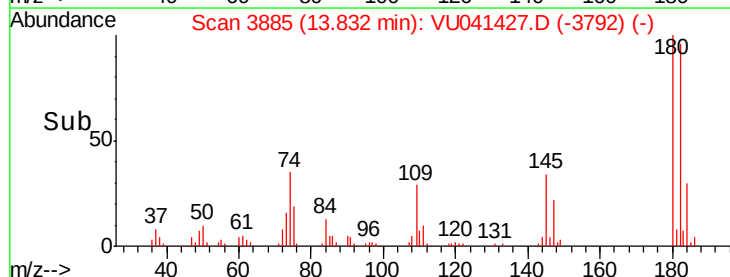
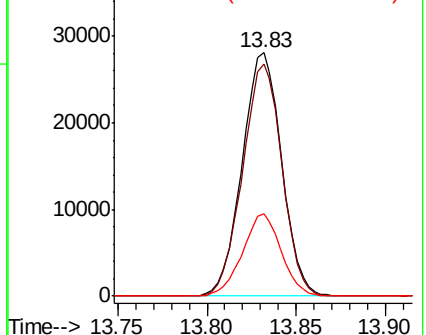
145 33.2 26.6 39.8

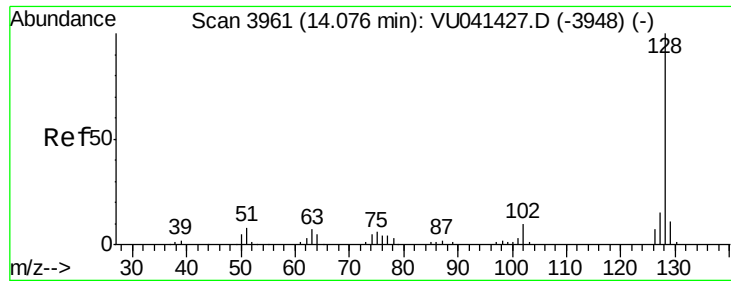


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

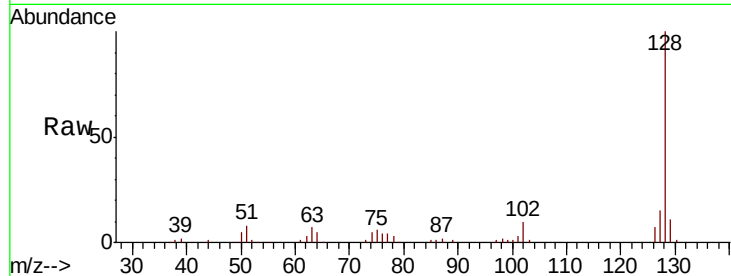




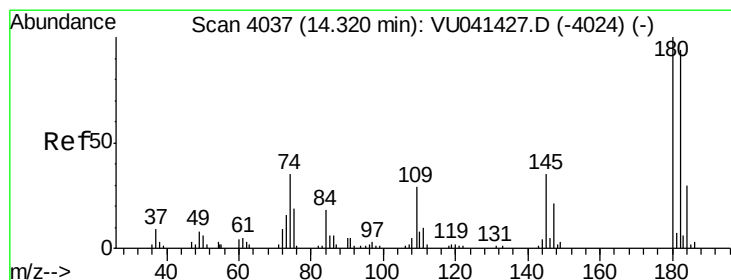
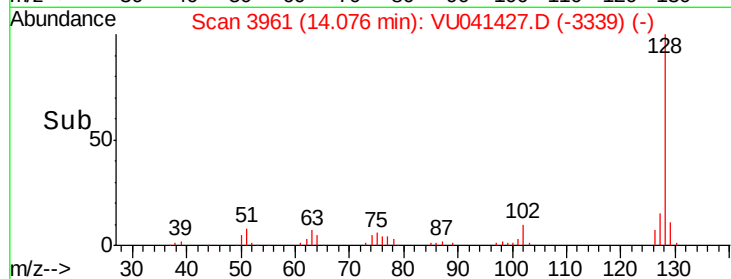
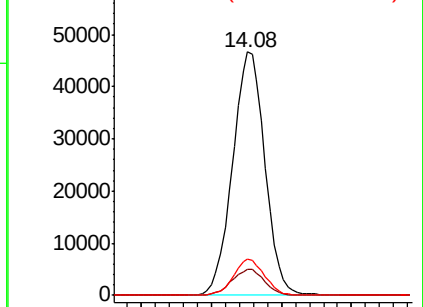
#71
Naphthalene
Concen: 5.935 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU041427.D
Acq: 25 Nov 2020 12:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

Tot Ion:128 Resp: 74804
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 14.1 11.3 16.9

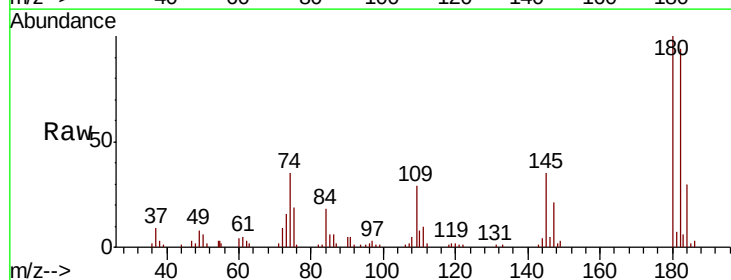


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 6.041 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU041427.D
Acq: 25 Nov 2020 12:40

Tgt Ion:180 Resp: 40401
Ion Ratio Lower Upper
180 100
182 94.4 75.5 113.3
145 35.1 28.1 42.1



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

