

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090420\
 Data File : VU040045.D
 Acq On : 04 Sep 2020 14:32
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 05 02:59:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 05 02:51:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119250	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	116028	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59080	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29073	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.92	69	26644	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.58	63	77978	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	4.65	46	142155	54.59	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.18%
24) Chloroform-d	5.08	84	77722	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.72	65	44730	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.74	84	137189	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.70	67	44696	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.91	98	124084	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	8.18	79	19815	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.64	63	108692	55.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.88%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	41397	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	49998	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	55426	4.683	ug/L 99
3) Chloromethane	1.53	50	57546	5.079	ug/L 98
5) Vinyl chloride	1.61	62	54192	4.718	ug/L 98
6) Bromomethane	1.86	94	32305	5.502	ug/L 91
8) Chloroethane	1.94	64	33545	4.859	ug/L 100
9) Trichlorofluoromethane	2.15	101	82200	4.996	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	54089	5.071	ug/L 99
12) 1,1-Dichloroethene	2.59	96	46093	4.995	ug/L 94
13) Acetone	2.66	43	119450	49.548	ug/L 98
14) Carbon disulfide	2.81	76	138156	4.669	ug/L 100
15) Methyl Acetate	2.97	43	29773	4.921	ug/L 96
16) Methylene chloride	3.06	84	53525	4.429	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	134587	4.839	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	48794	4.915	ug/L 99
19) 1,1-Dichloroethane	3.89	63	99379	4.863	ug/L 96
21) 2-Butanone	4.73	43	198873	50.528	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	53292	4.992	ug/L 98

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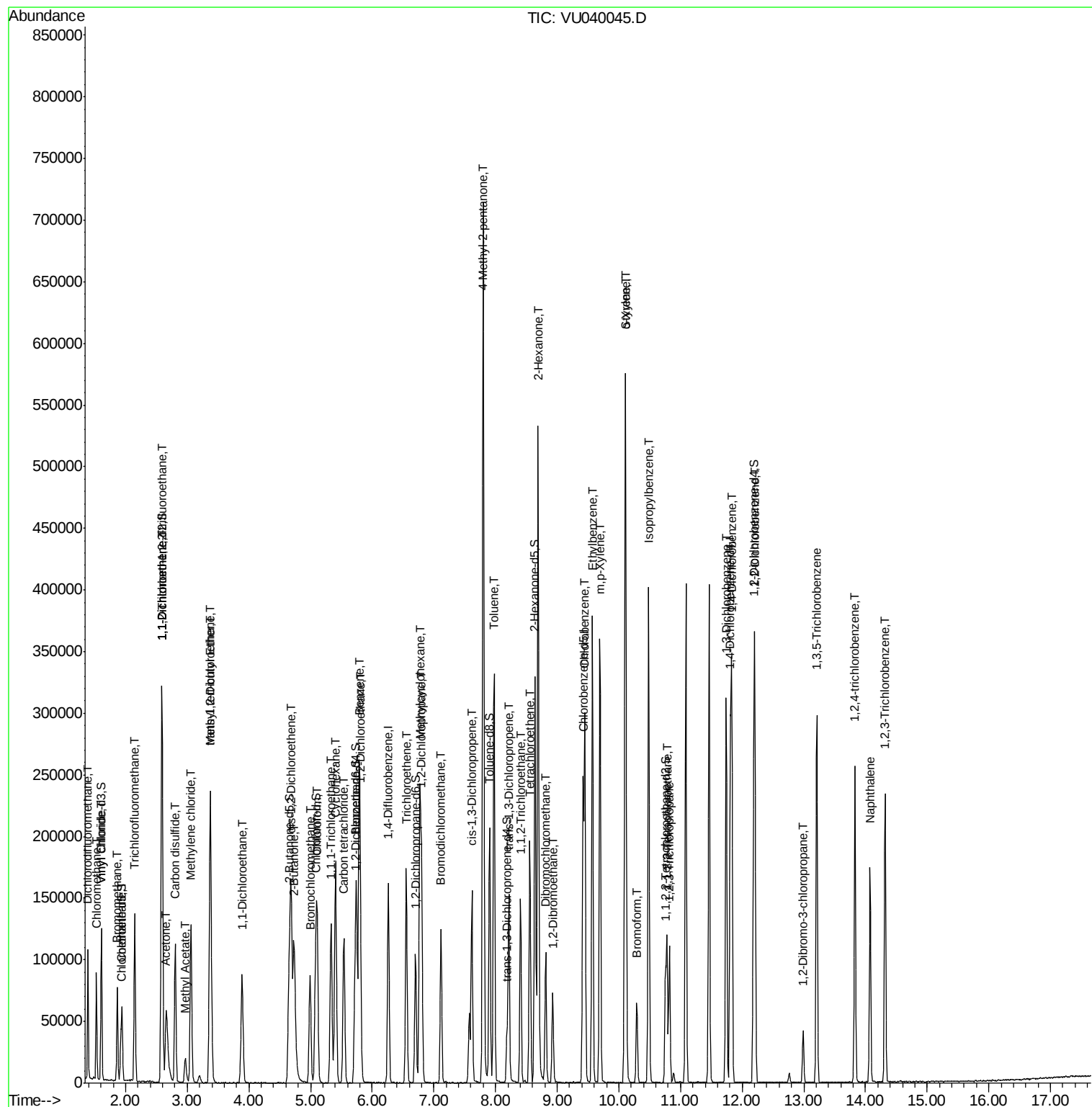
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	23426	5.009	ug/L	98
25) Chloroform	5.11	83	105172	5.026	ug/L	99
27) 1,2-Dichloroethane	5.81	62	76064	4.961	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	90052	4.943	ug/L	99
30) Cyclohexane	5.40	56	83183	4.709	ug/L	98
31) Carbon tetrachloride	5.54	117	76067	4.879	ug/L	97
33) Benzene	5.79	78	208675	5.027	ug/L	100
34) Trichloroethene	6.55	95	55991	5.029	ug/L	98
35) Methylcyclohexane	6.77	83	81751	4.795	ug/L	99
37) 1,2-Dichloropropane	6.80	63	58226	5.180	ug/L	99
38) Bromodichloromethane	7.11	83	76798	5.005	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	78677	4.747	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	472103	51.194	ug/L	99
42) Toluene	7.97	91	222749	5.211	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	76528	4.982	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	41763	5.101	ug/L	98
47) Tetrachloroethene	8.56	164	36701	5.018	ug/L	98
48) 2-Hexanone	8.69	43	341065	50.703	ug/L	99
49) Dibromochloromethane	8.82	129	48572	4.942	ug/L	98
50) 1,2-Dibromoethane	8.93	107	41077	5.203	ug/L	99
51) Chlorobenzene	9.45	112	140291	5.286	ug/L	97
52) Ethylbenzene	9.57	91	245710	5.059	ug/L	100
53) m,p-Xylene	9.69	106	91246	5.277	ug/L	99
54) o-Xylene	10.10	106	88187	5.352	ug/L	97
55) Styrene	10.11	104	155958	5.442	ug/L	96
56) Isopropylbenzene	10.48	105	242159	5.388	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	54279	5.170	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	42430	5.096	ug/L	97
61) Bromoform	10.29	173	25374	4.683	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	108072	5.005	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	109891	5.029	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	103978	4.976	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	10504	4.700	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	76239	5.021	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	64178	4.907	ug/L	98
69) Naphthalene	14.08	128	121175	4.445	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	57928	4.822	ug/L	97

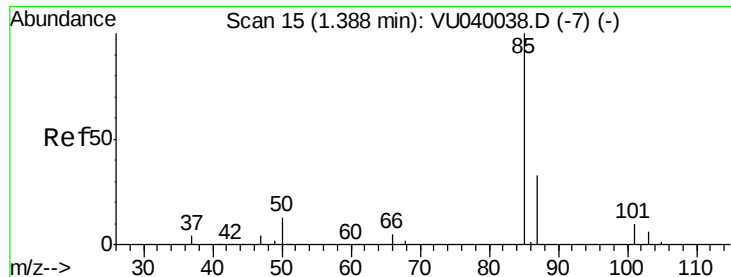
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.683 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

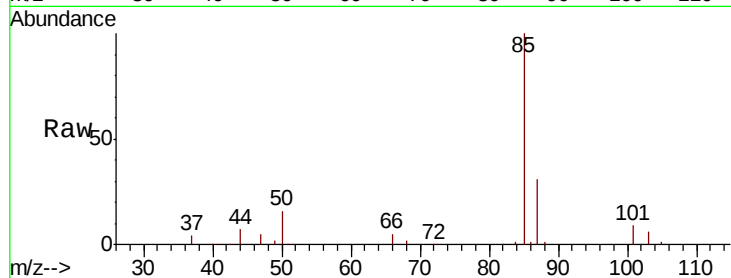
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 55426

Ion Ratio Lower Upper

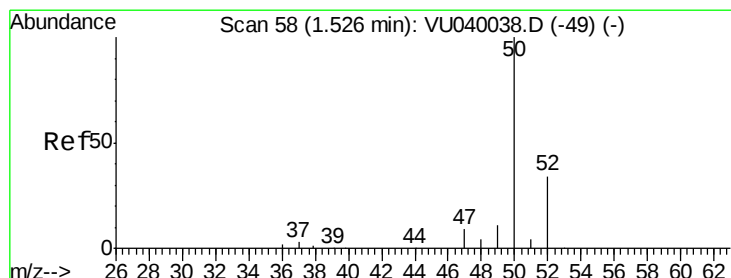
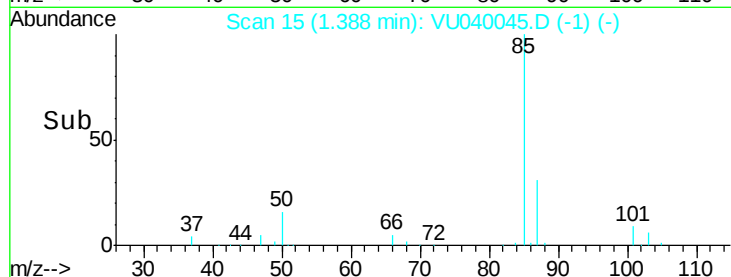
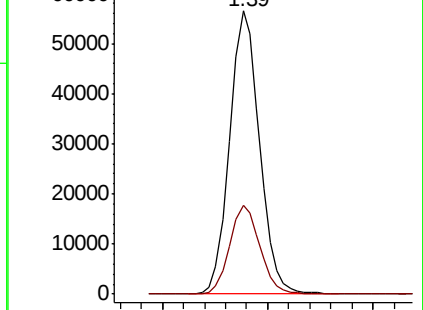
85 100

87 31.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU040038.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040038.D (-7) (-)



#3

Chloromethane

Concen: 5.079 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040045.D

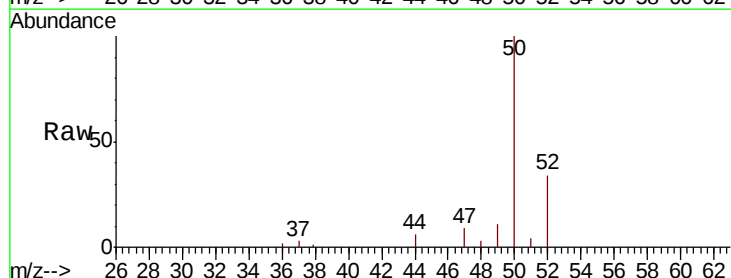
Acq: 04 Sep 2020 14:32

Tgt Ion: 50 Resp: 57546

Ion Ratio Lower Upper

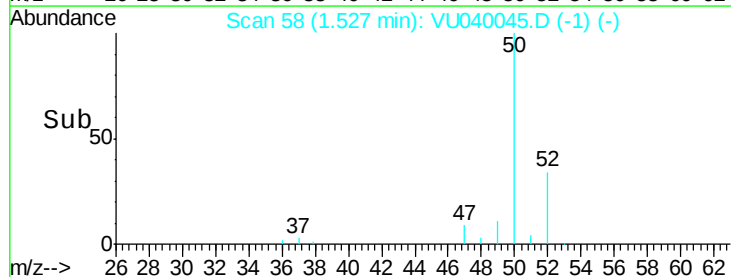
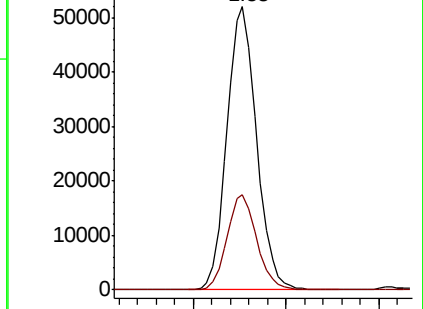
50 100

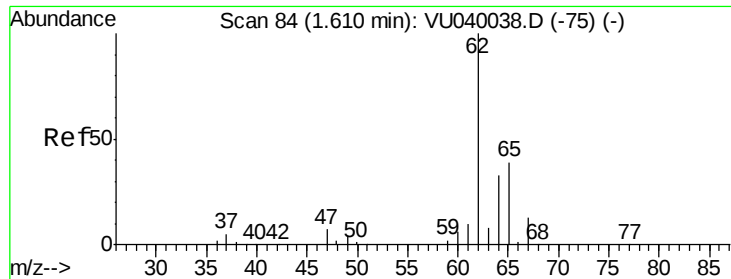
52 33.8 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040038.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040038.D (-49) (-)





#5

Vinyl chloride

Concen: 4.718 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

Instrument :

MSVOA_U

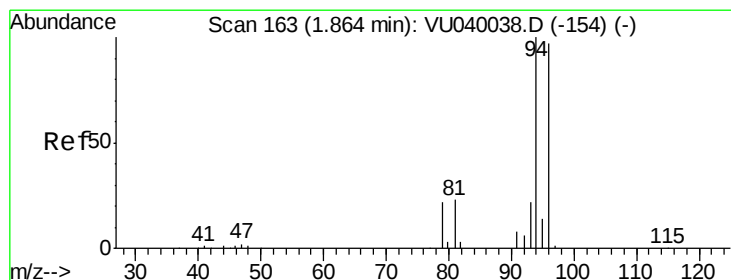
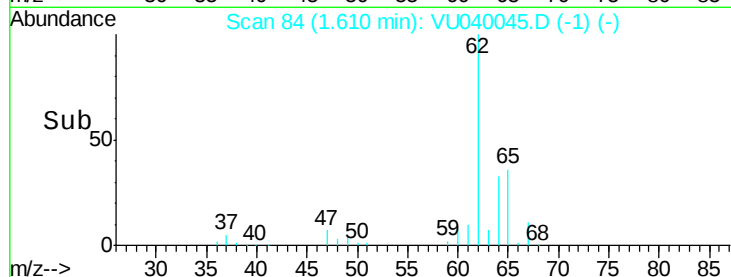
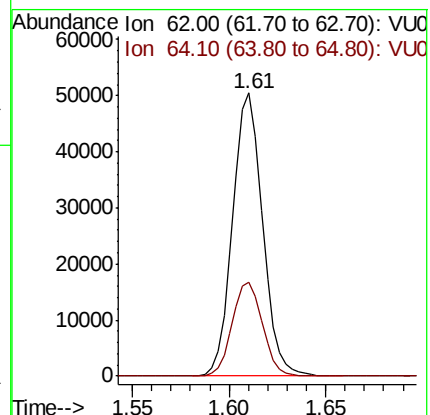
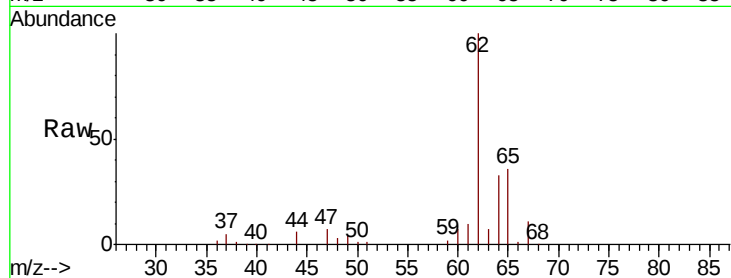
ClientSampled :

Tot Ion: 62 Resp: 54192

Ion Ratio Lower Upper

62 100

64 33.1 23.9 44.3



#6

Bromomethane

Concen: 5.502 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU040045.D

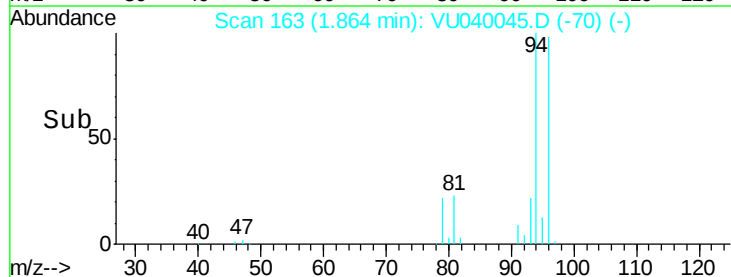
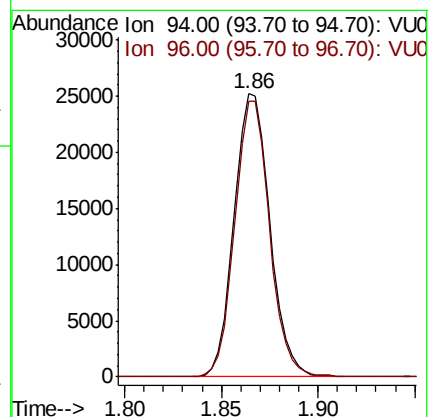
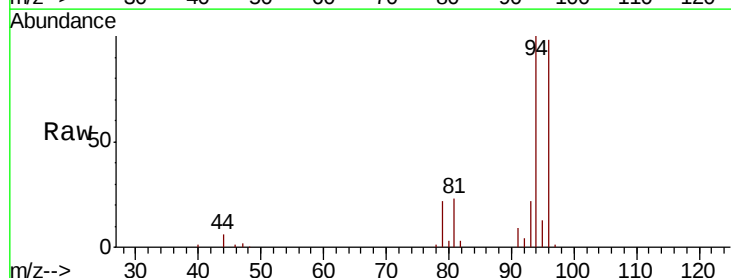
Acq: 04 Sep 2020 14:32

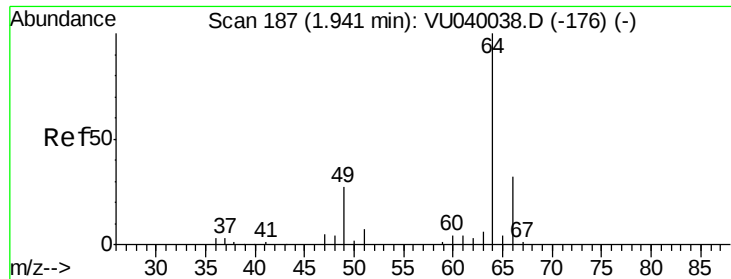
Tgt Ion: 94 Resp: 32305

Ion Ratio Lower Upper

94 100

96 97.6 62.3 115.7





#8

Chloroethane

Concen: 4.859 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

Instrument :

MSVOA_U

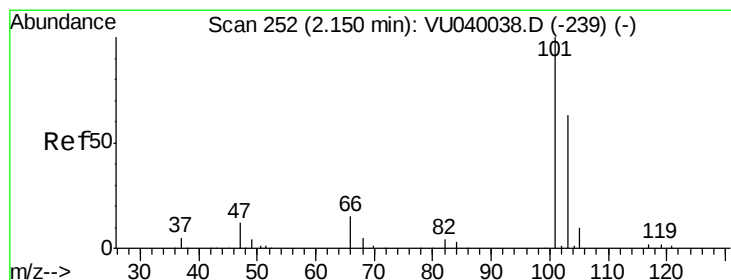
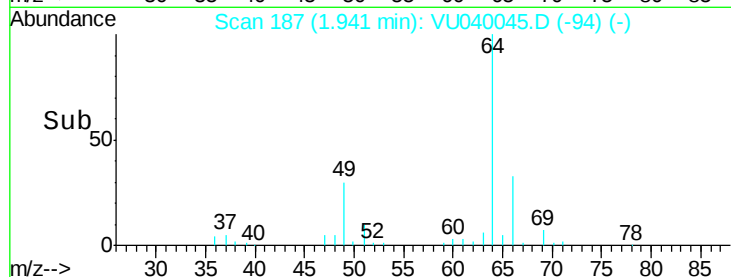
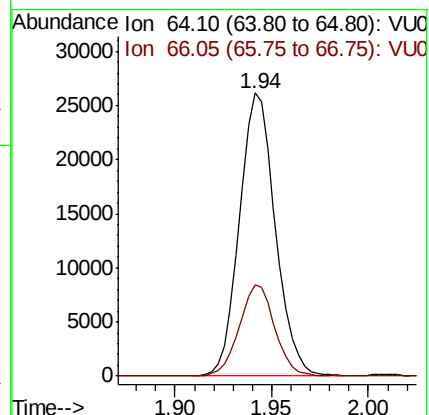
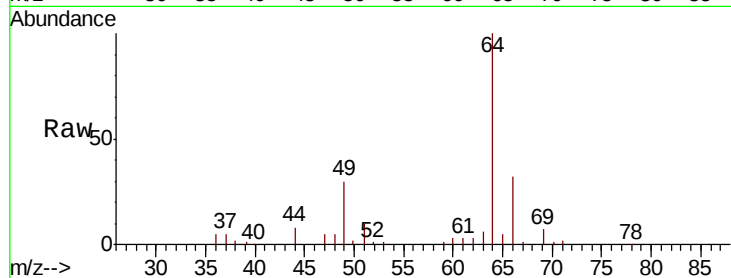
ClientSampleId :

Tot Ion: 64 Resp: 33545

Ion Ratio Lower Upper

64 100

66 32.5 22.7 42.1



#9

Trichlorofluoromethane

Concen: 4.996 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040045.D

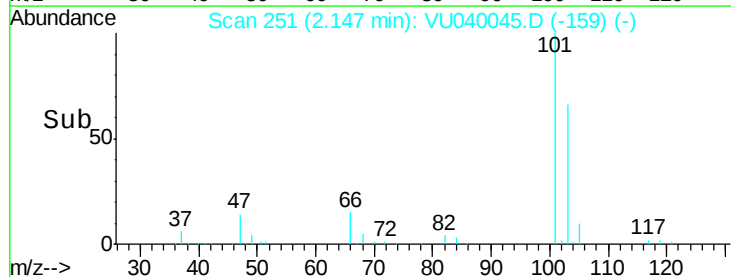
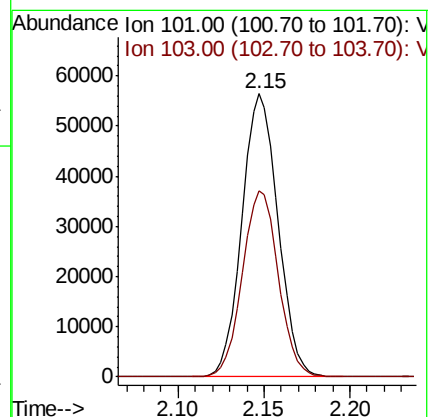
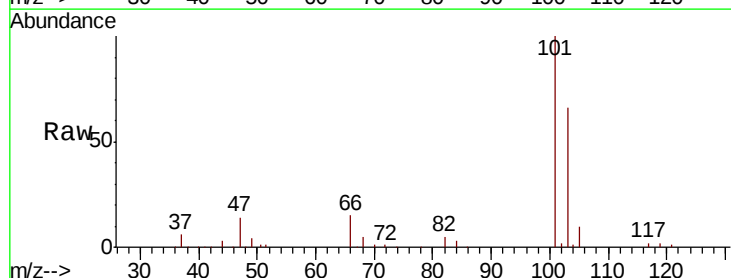
Acq: 04 Sep 2020 14:32

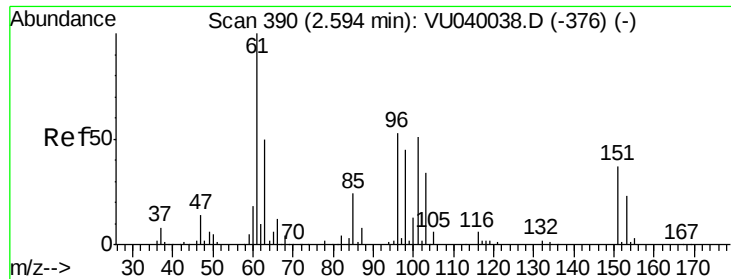
Tgt Ion:101 Resp: 82200

Ion Ratio Lower Upper

101 100

103 65.6 51.3 76.9





#10

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

Concen: 5.071 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

Instrument :

MSVOA_U

ClientSampled :

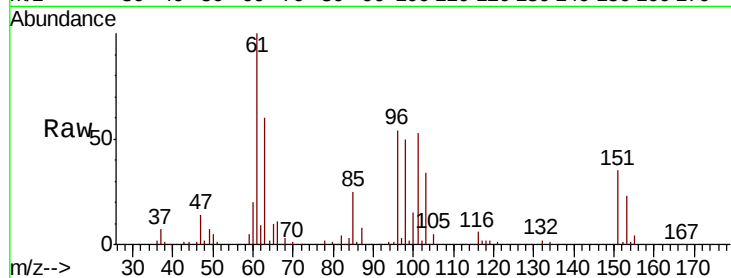
Tot Ion:101 Resp: 54089

Ion Ratio Lower Upper

101 100

85 46.6 37.7 56.5

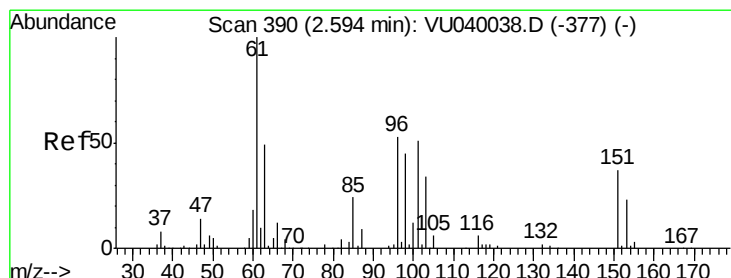
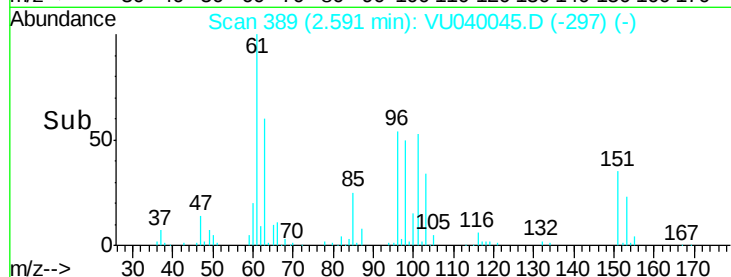
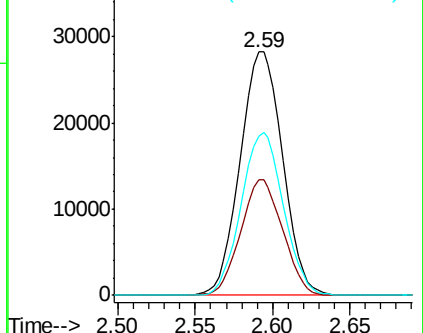
151 66.3 53.9 80.9



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: 4.995 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

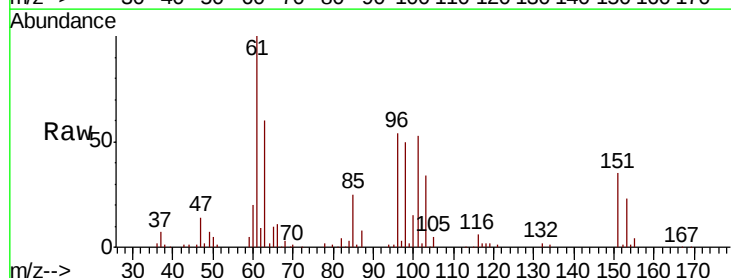
Tgt Ion: 96 Resp: 46093

Ion Ratio Lower Upper

96 100

61 185.4 138.3 256.8

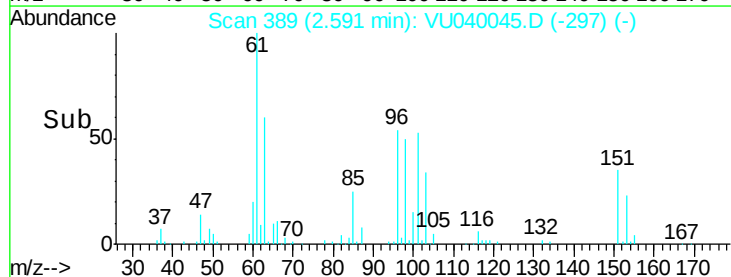
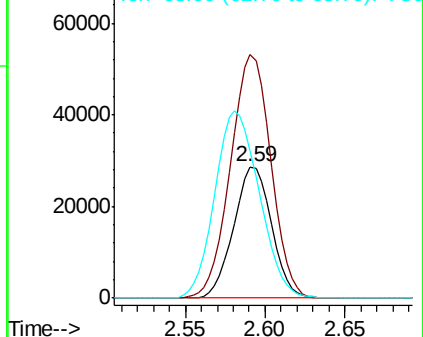
63 112.1 77.6 144.2

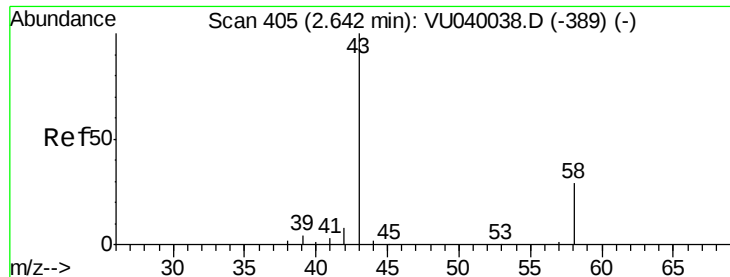


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.548 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.02 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

Instrument :

MSVOA_U

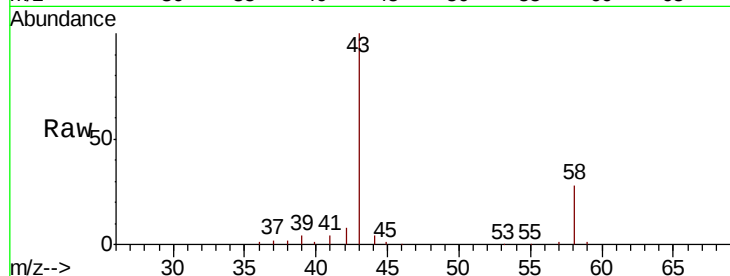
ClientSampleId :

Tot Ion: 43 Resp: 119450

Ion Ratio Lower Upper

43 100

58 28.7 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040038.D (-389) (-)

Ion 58.05 (57.75 to 58.75): VU040038.D (-389) (-)

2.66

40000

30000

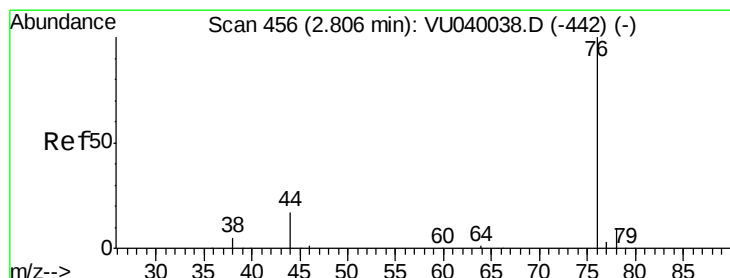
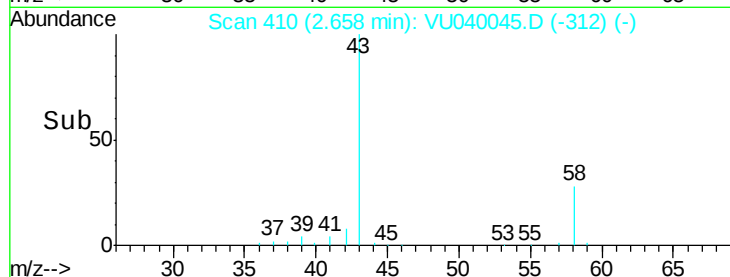
20000

10000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 4.669 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040045.D

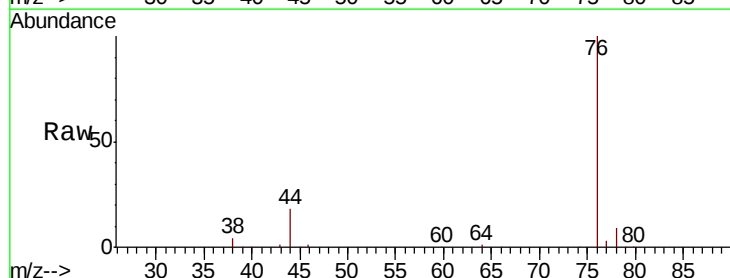
Acq: 04 Sep 2020 14:32

Tgt Ion: 76 Resp: 138156

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040038.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040038.D (-442) (-)

2.81

80000

60000

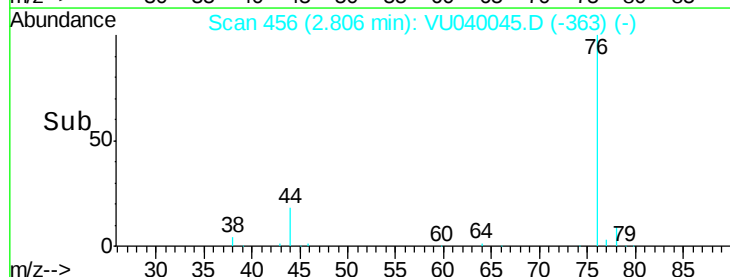
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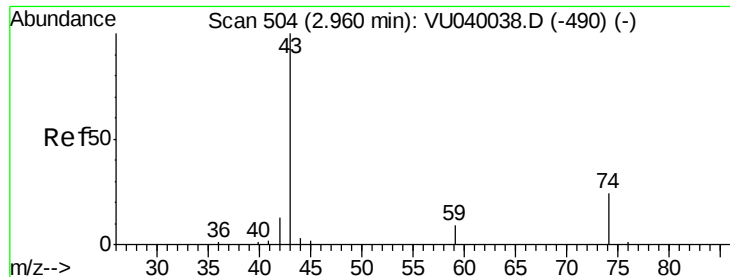
20000

0

Time-->

2.75 2.80 2.85 2.90





#15

Methvl Acetate

Concen: 4.921 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.01 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

Instrument :

MSVOA_U

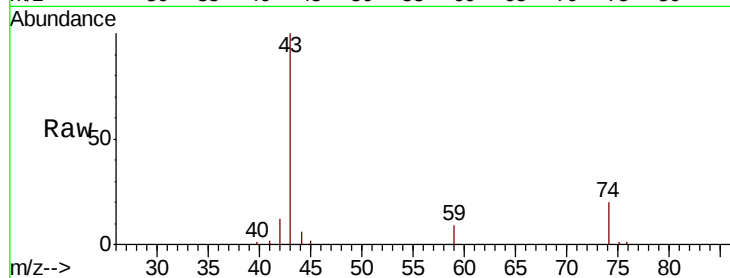
ClientSampled :

Tot Ion: 43 Resp: 29773

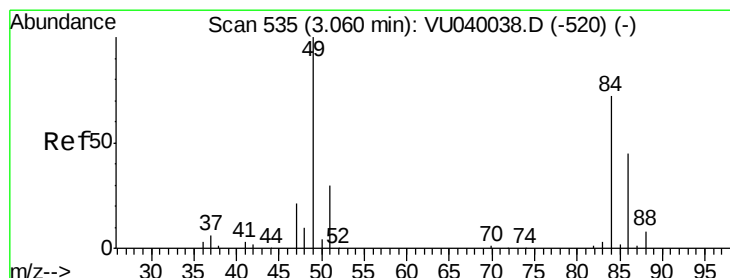
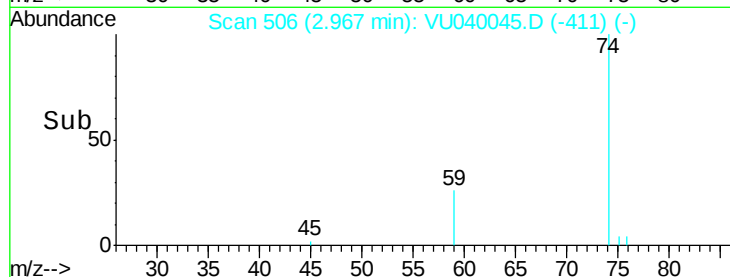
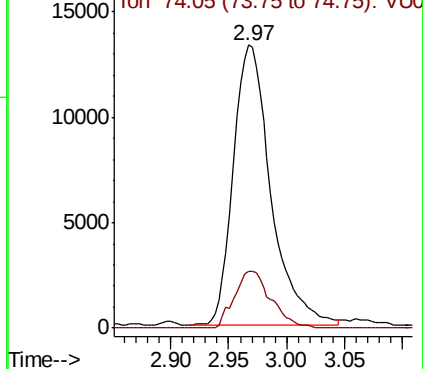
Ion Ratio Lower Upper

43 100

74 19.8 17.4 26.0



Abundance Ion 43.05 (42.75 to 43.75): VU040038.D (-490) (-)



#16

Methylene chloride

Concen: 4.429 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

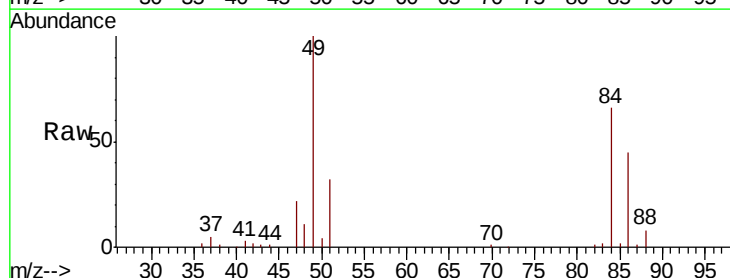
Tgt Ion: 84 Resp: 53525

Ion Ratio Lower Upper

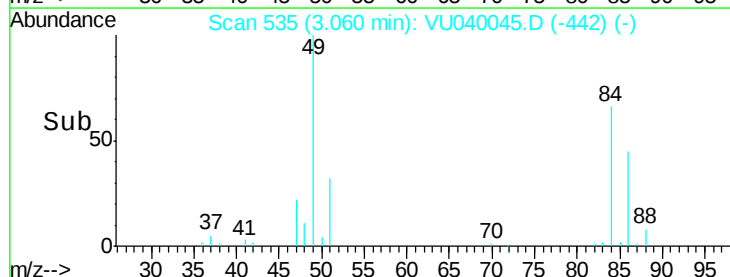
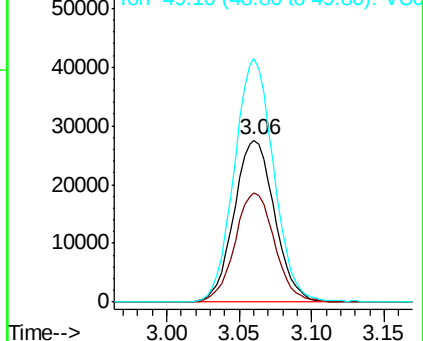
84 100

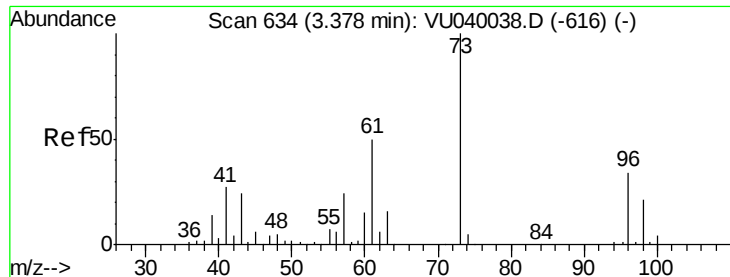
86 67.3 45.2 84.0

49 150.4 104.0 193.2



Abundance Ion 84.05 (83.75 to 84.75): VU040038.D (-520) (-)

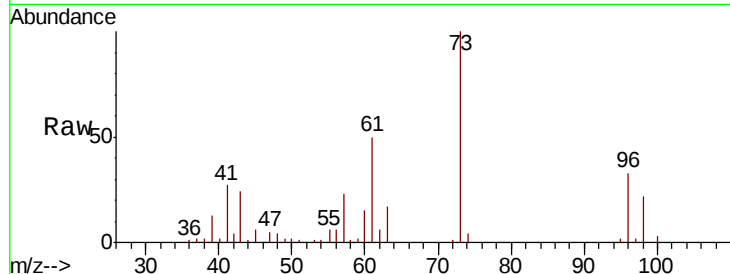




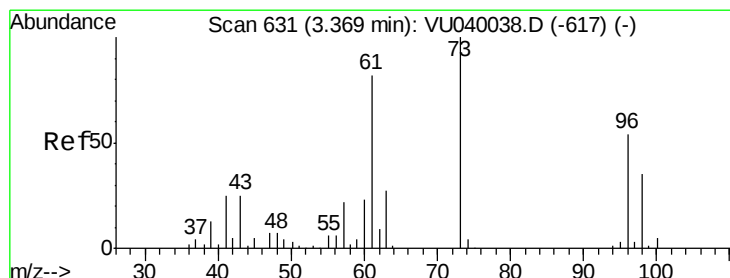
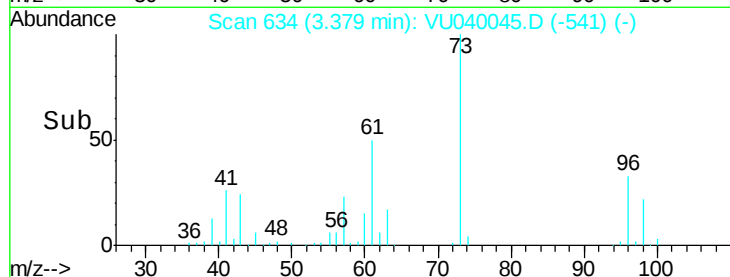
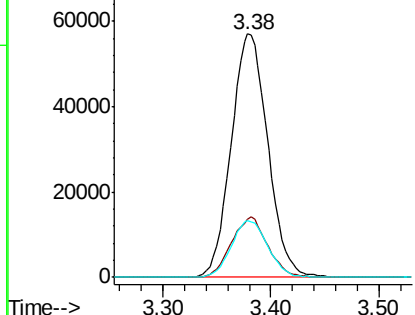
#17
Methvl tert-butvl Ether
Concen: 4.839 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU040045.D
Acq: 04 Sep 2020 14:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 134587
Ion Ratio Lower Upper
73 100
43 24.8 19.1 28.7
57 23.2 18.3 27.5

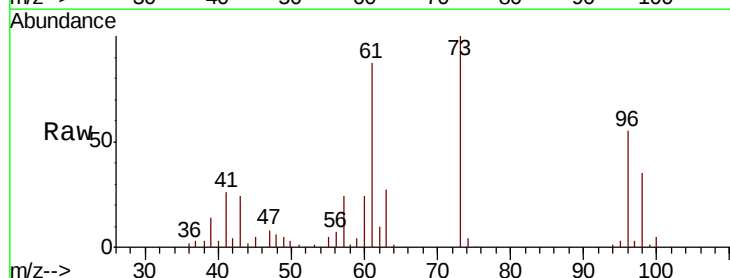


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

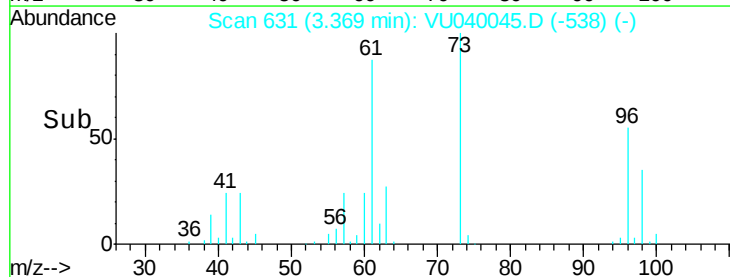
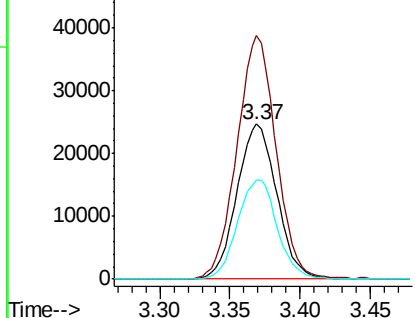


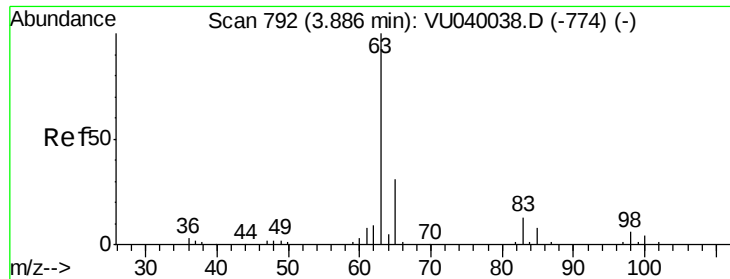
#18
trans-1,2-Dichloroethene
Concen: 4.915 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040045.D
Acq: 04 Sep 2020 14:32

Tgt Ion: 96 Resp: 48794
Ion Ratio Lower Upper
96 100
61 157.1 110.5 205.3
98 63.8 43.2 80.2



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

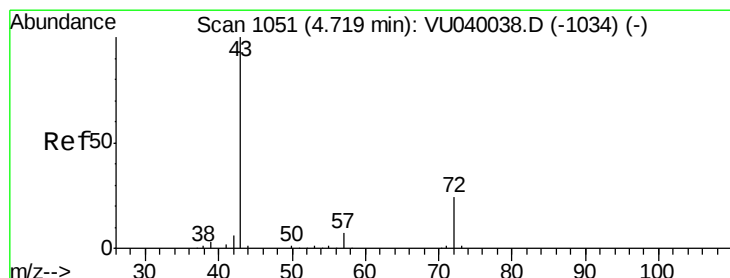
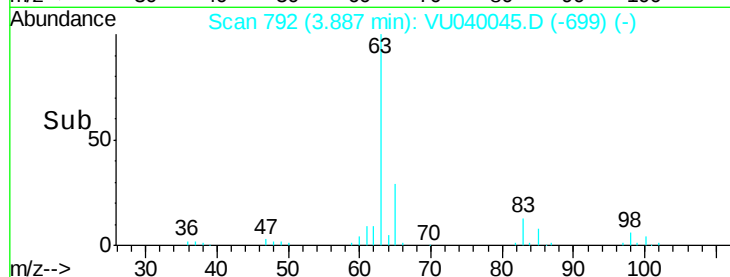
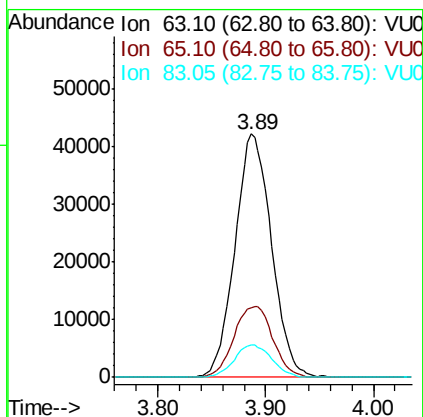
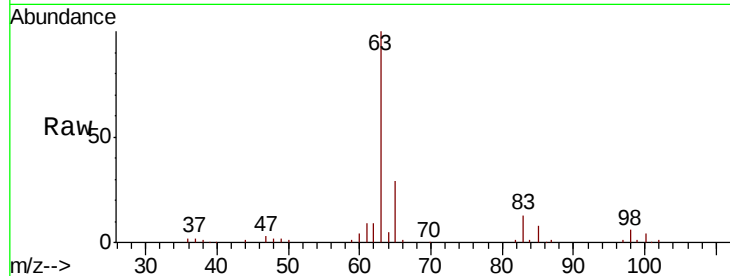




#19
 1,1-Dichloroethane
 Concen: 4.863 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

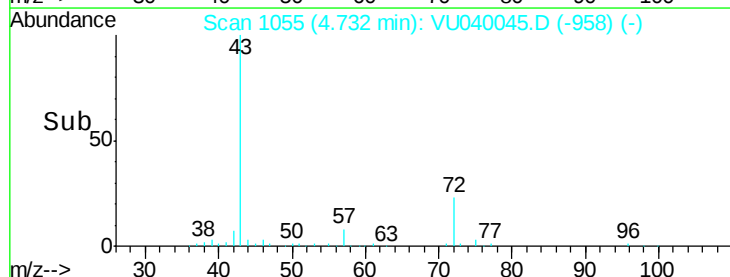
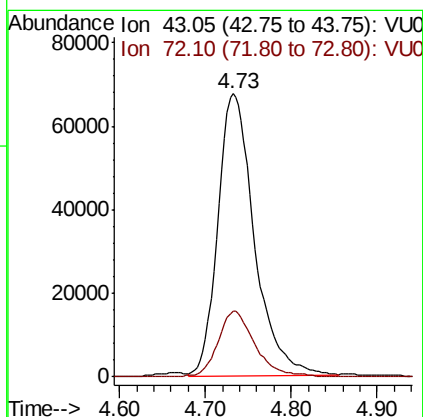
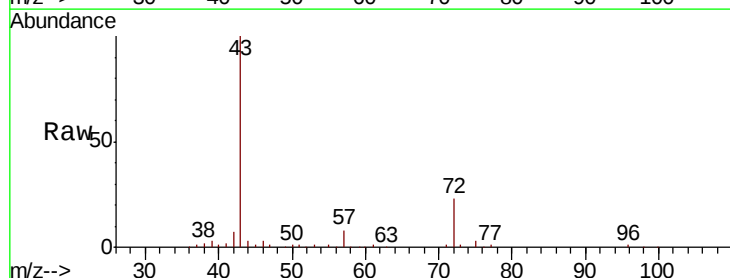
Instrument :
 MSVOA_U
 ClientSampled :

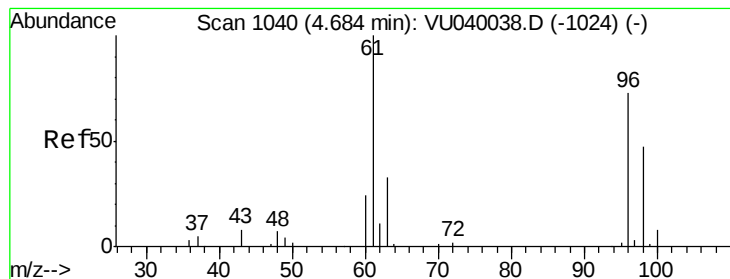
Tot Ion: 63 Resp: 99379
 Ion Ratio Lower Upper
 63 100
 65 28.7 22.2 41.2
 83 13.3 9.4 17.6



#21
 2-Butanone
 Concen: 50.528 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

Tgt Ion: 43 Resp: 198873
 Ion Ratio Lower Upper
 43 100
 72 23.9 11.7 35.0





#22

cis-1,2-Dichloroethene

Concen: 4.992 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

Instrument :
MSVOA_U
ClientSampleId :

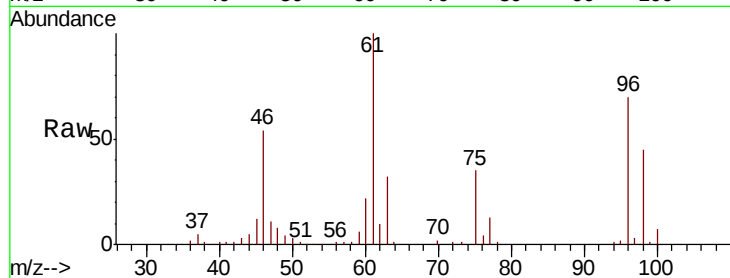
Tot Ion: 96 Resp: 53292

Ion Ratio Lower Upper

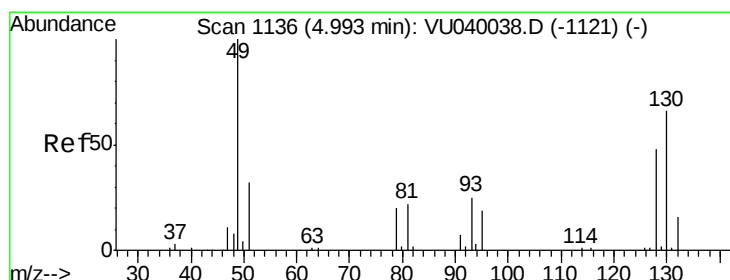
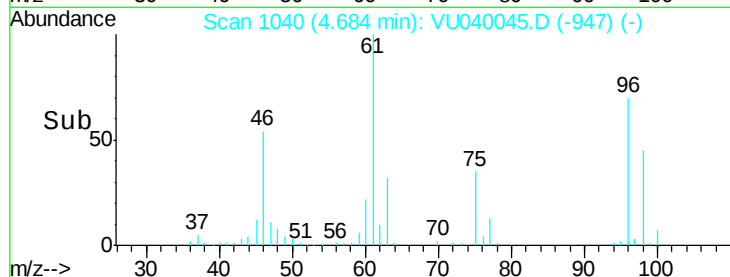
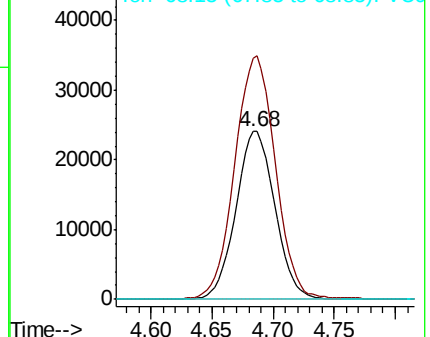
96 100

61 143.4 98.8 183.4

68 0.0 0.0 0.0



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



#23

Bromochloromethane

Concen: 5.009 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

Tgt Ion:128 Resp: 23426

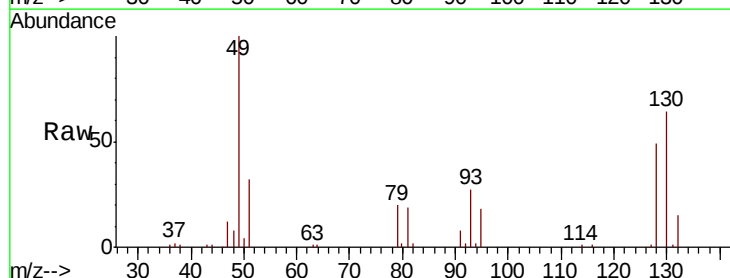
Ion Ratio Lower Upper

128 100

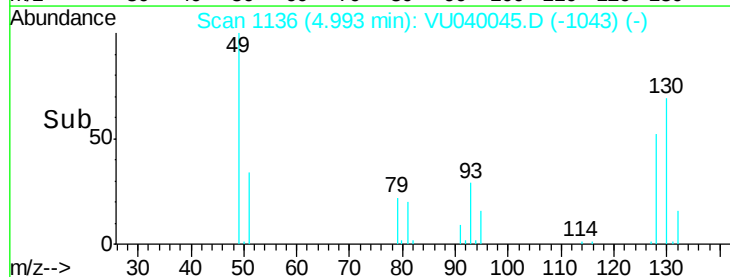
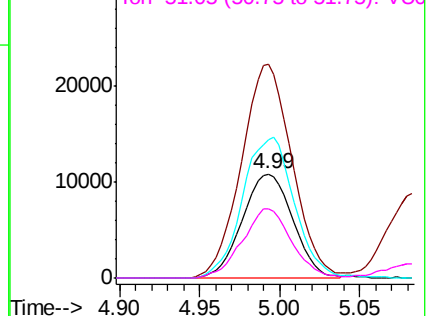
49 205.8 143.4 266.4

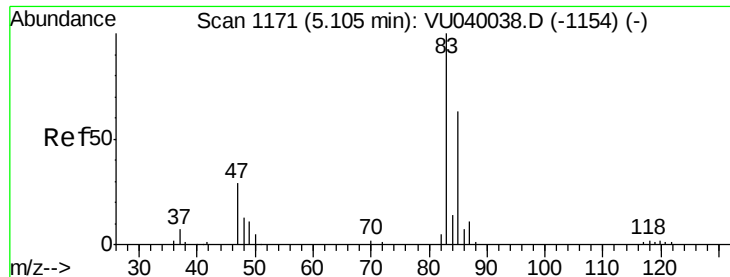
130 132.6 89.5 166.3

51 66.5 51.0 76.4



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

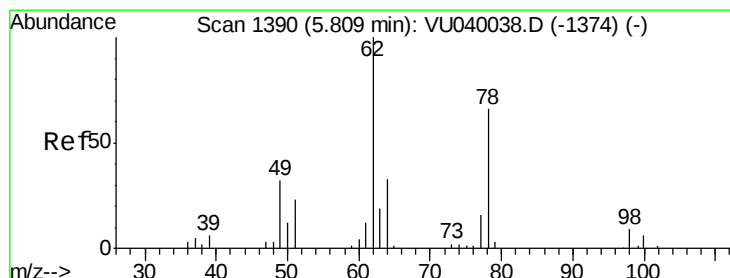
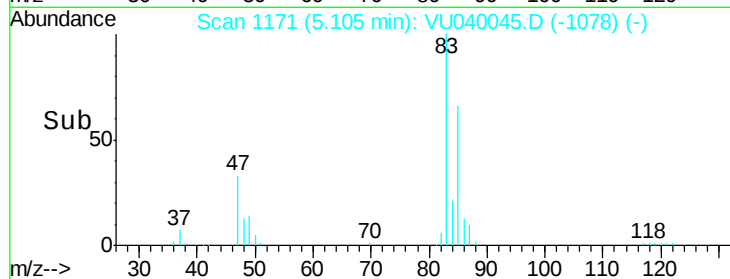
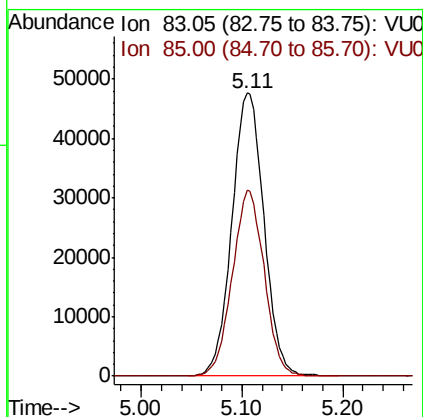
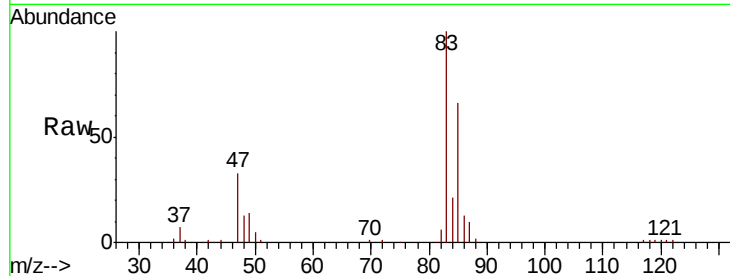




#25
Chloroform
Concen: 5.026 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040045.D
Acq: 04 Sep 2020 14:32

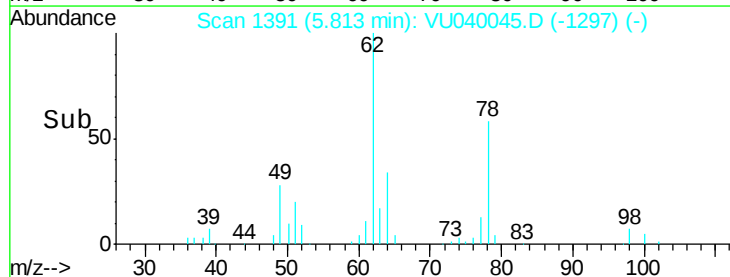
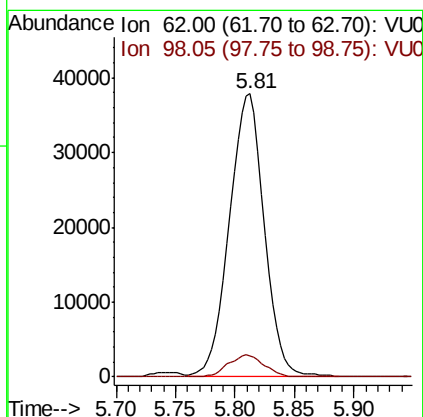
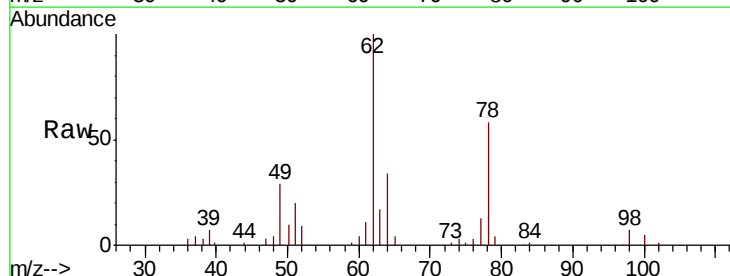
Instrument :
MSVOA_U
ClientSampled :

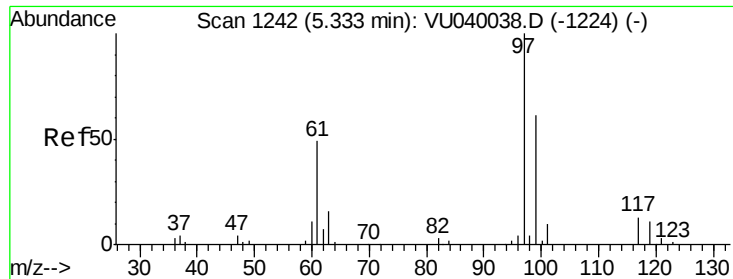
Tot Ion: 83 Resp: 105172
Ion Ratio Lower Upper
83 100
85 65.6 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.961 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040045.D
Acq: 04 Sep 2020 14:32

Tgt Ion: 62 Resp: 76064
Ion Ratio Lower Upper
62 100
98 7.4 6.1 9.1

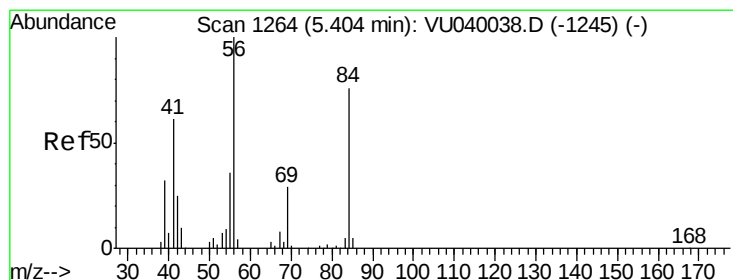
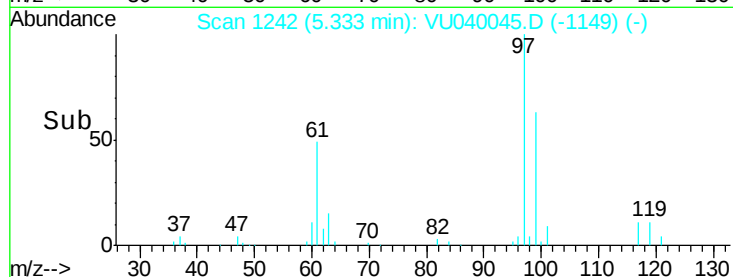
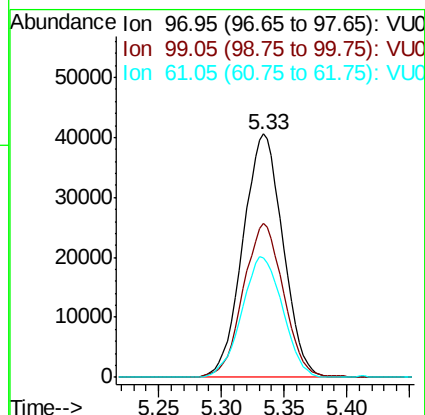
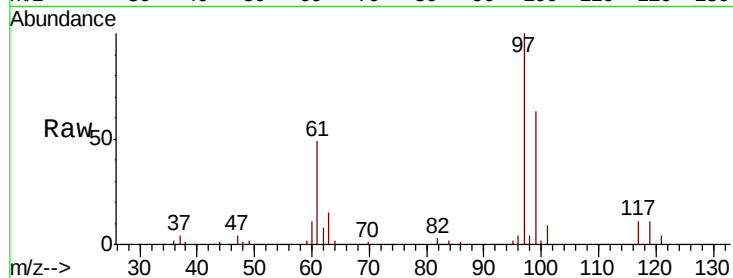




#29
 1,1,1-Trichloroethane
 Concen: 4.943 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

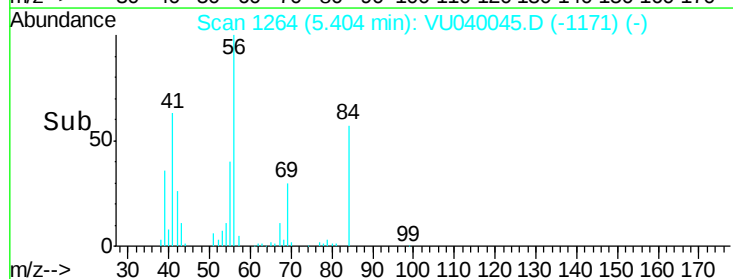
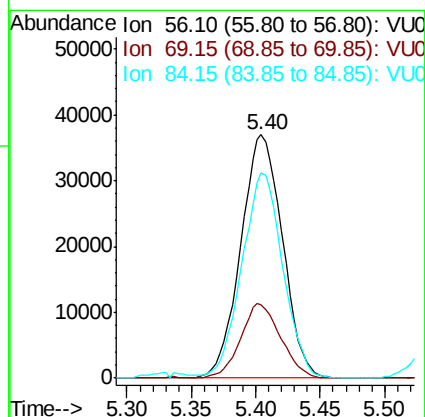
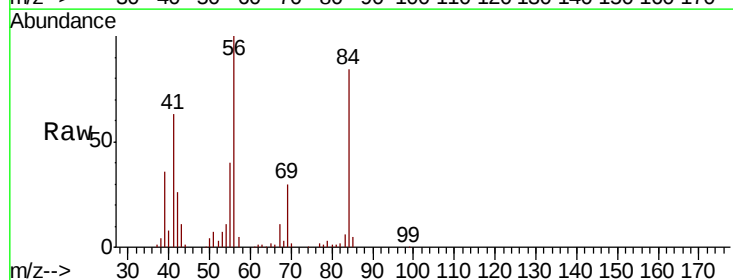
Instrument :
 MSVOA_U
 ClientSampled :

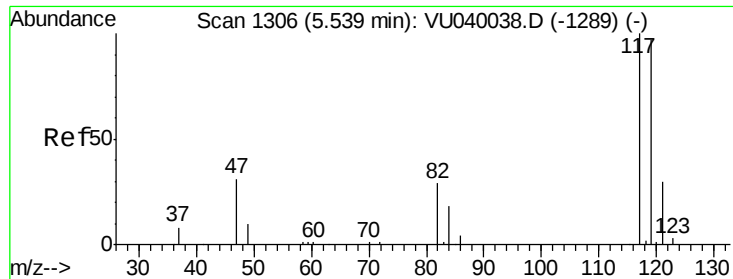
Tot Ion: 97 Resp: 90052
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.9 76.3
 61 50.4 39.5 59.3



#30
 Cyclohexane
 Concen: 4.709 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

Tgt Ion: 56 Resp: 83183
 Ion Ratio Lower Upper
 56 100
 69 29.4 24.1 36.1
 84 83.1 65.0 97.4

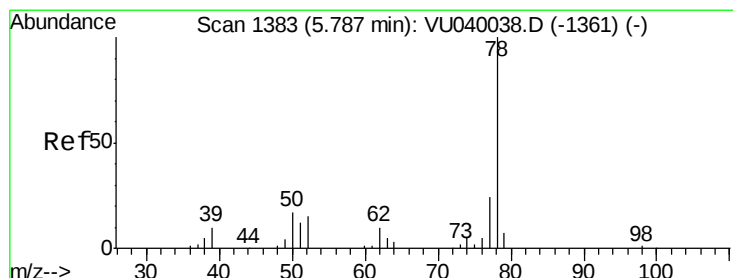
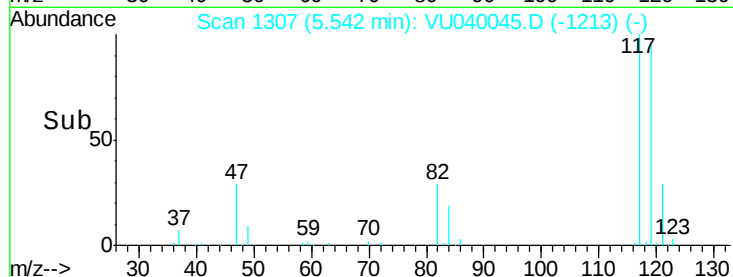
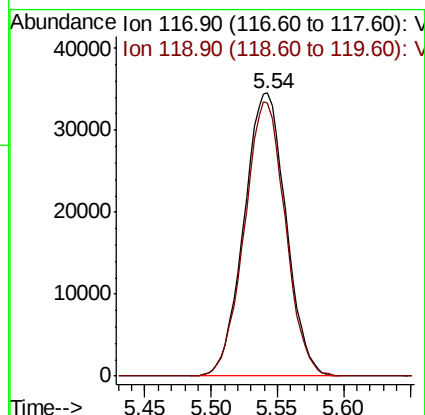
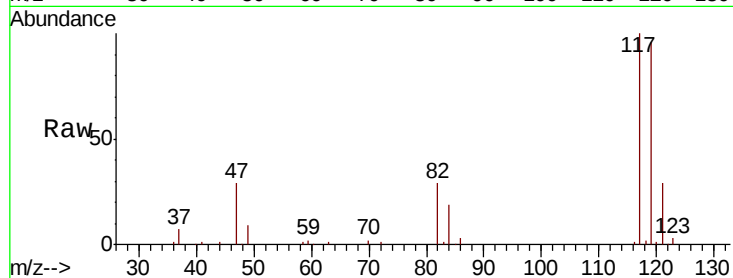




#31
Carbon tetrachloride
Concen: 4.879 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU040045.D
Acq: 04 Sep 2020 14:32

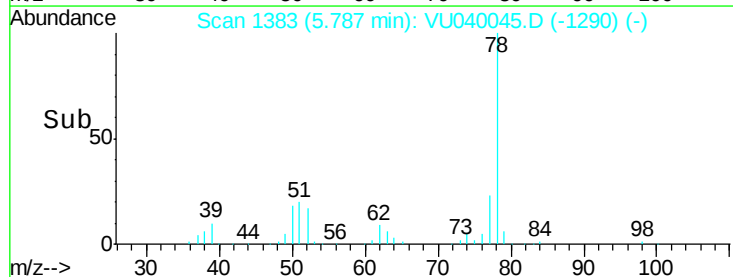
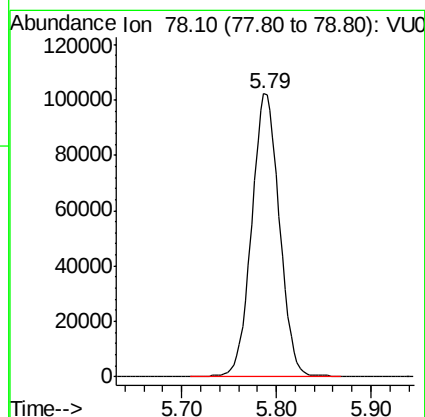
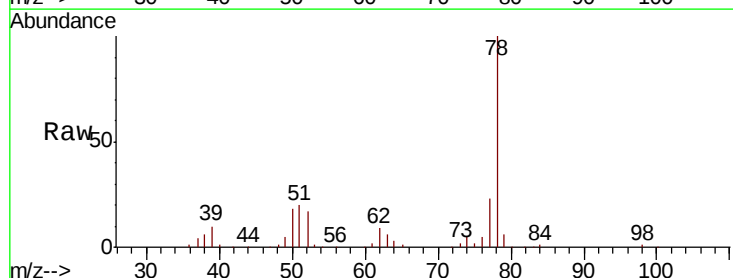
Instrument :
MSVOA_U
ClientSampleId :

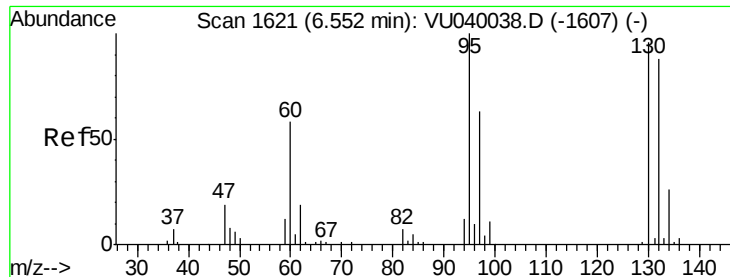
Tot Ion:117 Resp: 76067
Ion Ratio Lower Upper
117 100
119 94.6 77.7 116.5



#33
Benzene
Concen: 5.027 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU040045.D
Acq: 04 Sep 2020 14:32

Tgt Ion: 78 Resp: 208675

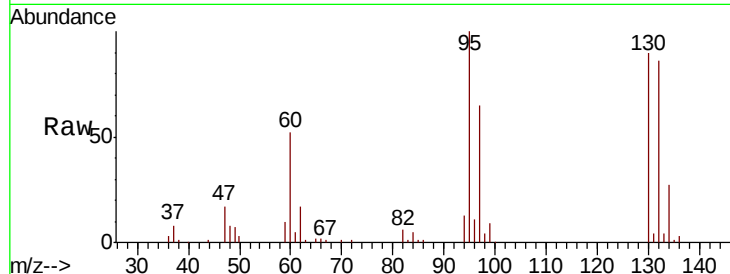




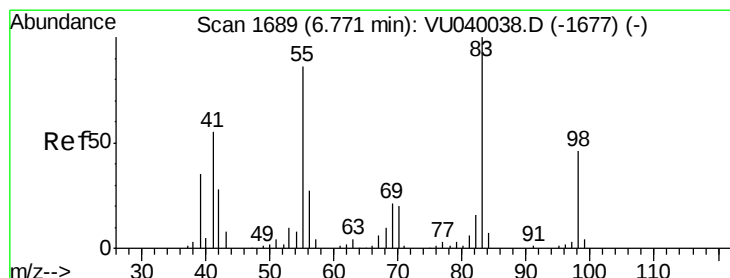
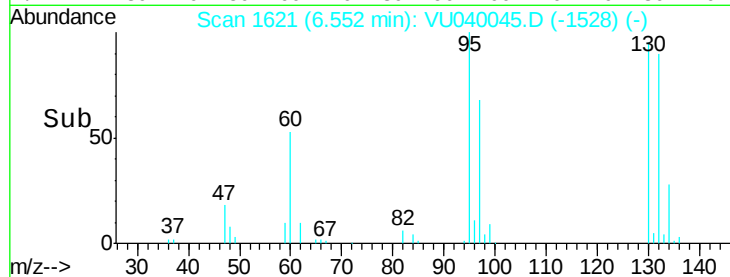
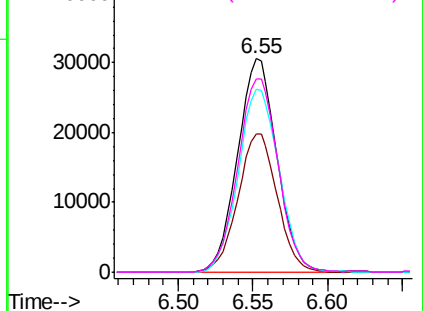
#34
 Trichloroethene
 Concen: 5.029 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 55991
 Ion Ratio Lower Upper
 95 100
 97 64.8 43.3 80.5
 132 85.8 59.4 110.4
 130 90.4 64.8 120.4

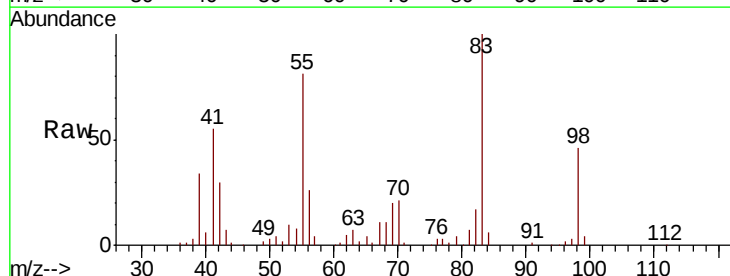


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

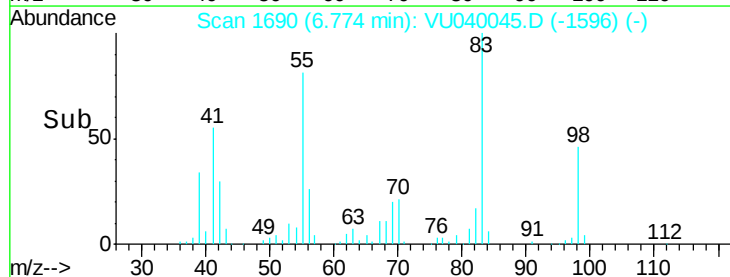
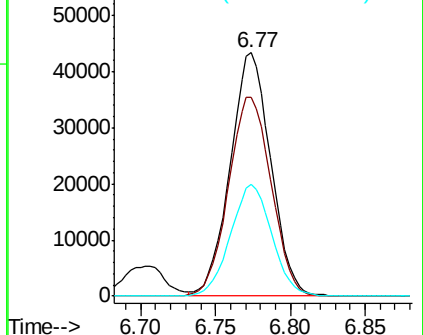


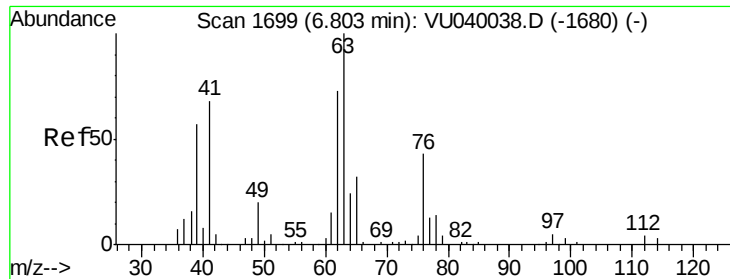
#35
 Methylcyclohexane
 Concen: 4.795 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

Tgt Ion: 83 Resp: 81751
 Ion Ratio Lower Upper
 83 100
 55 86.1 70.5 105.7
 98 47.1 37.8 56.6



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

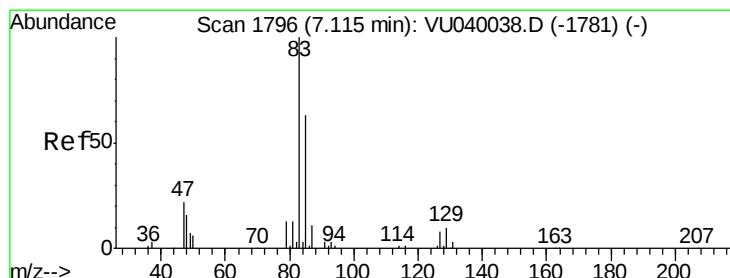
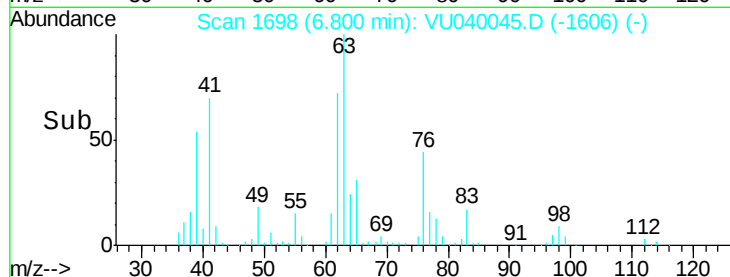
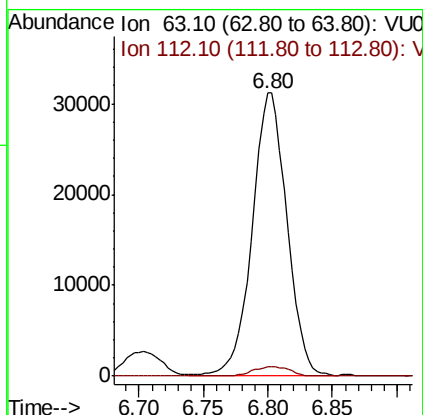
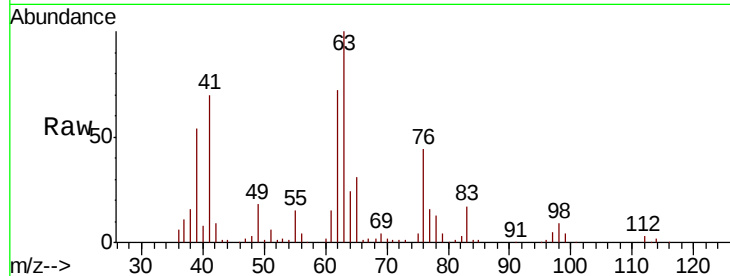




#37
 1,2-Dichloropropane
 Concen: 5.180 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

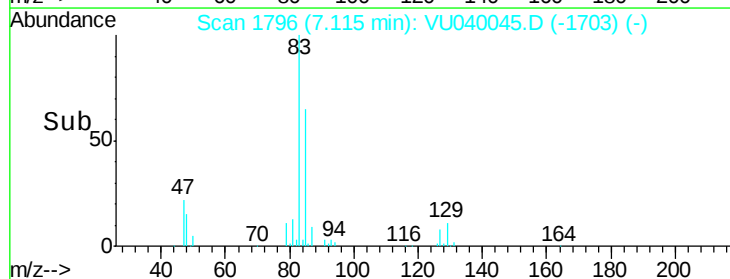
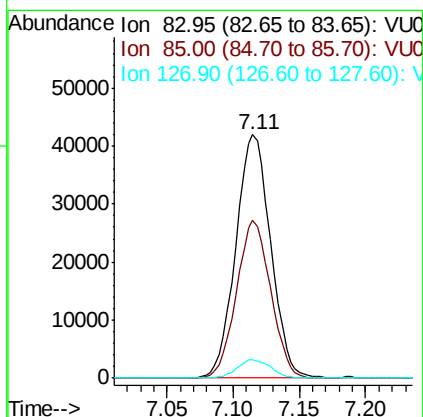
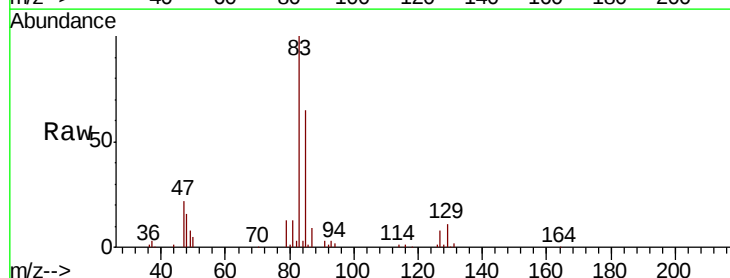
Instrument :
 MSVOA_U
 ClientSampleId :

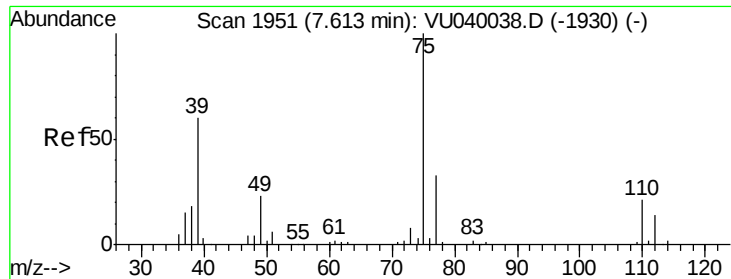
Tot Ion: 63 Resp: 58226
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.005 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

Tgt Ion: 83 Resp: 76798
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.1 83.9
 127 7.7 6.7 10.1

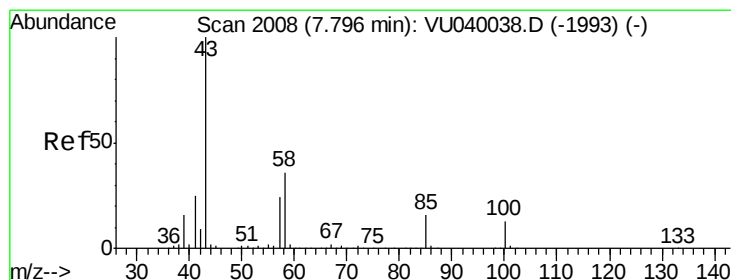
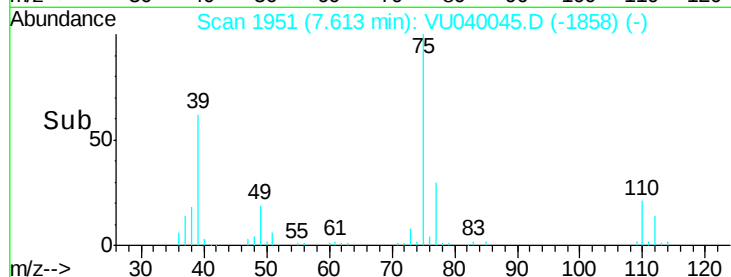
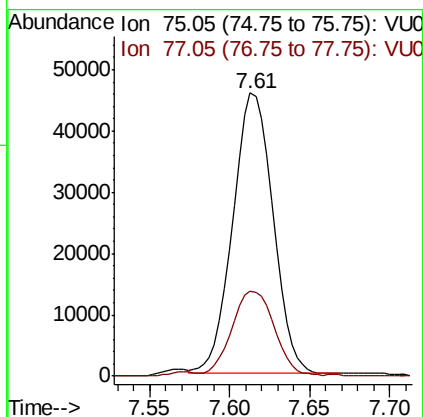
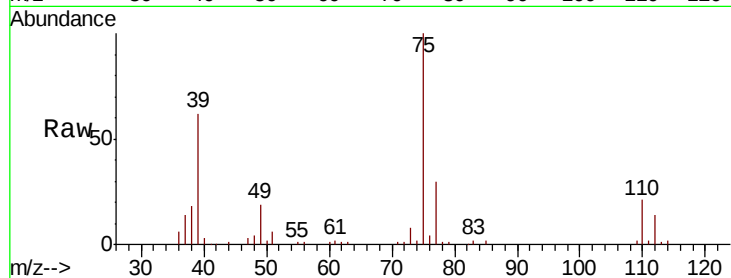




#39
 cis-1,3-Dichloropropene
 Concen: 4.747 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

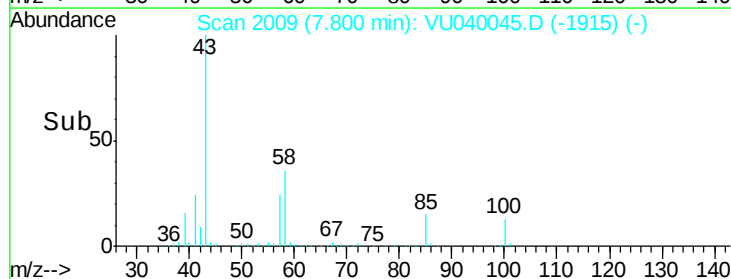
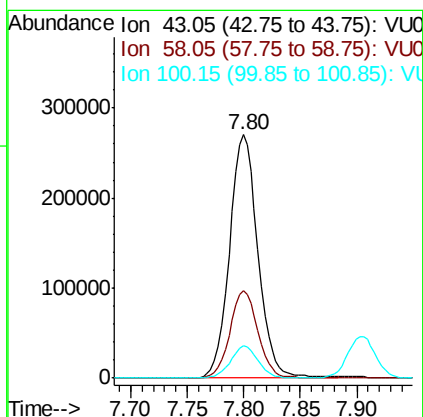
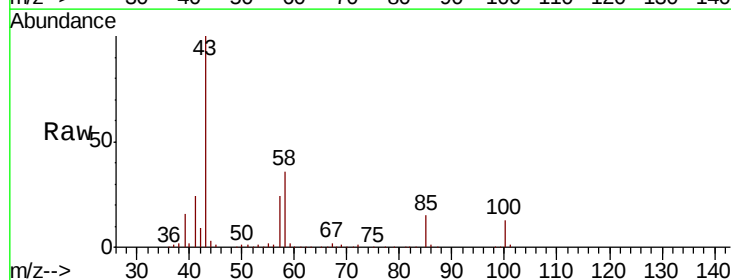
Instrument :
 MSVOA_U
 ClientSampled :

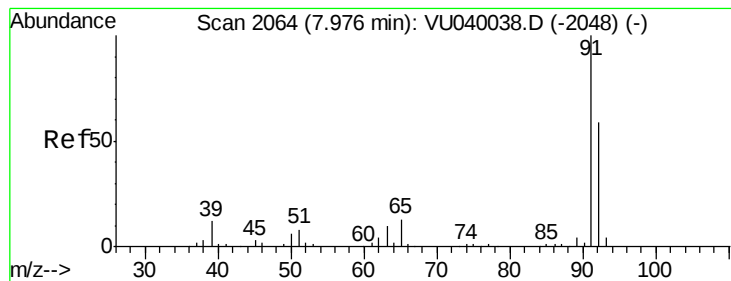
Tot Ion: 75 Resp: 78677
 Ion Ratio Lower Upper
 75 100
 77 29.9 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 51.194 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

Tgt Ion: 43 Resp: 472103
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.7 43.1
 100 13.0 10.2 15.2





#42

Toluene

Concen: 5.211 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

Instrument :

MSVOA_U

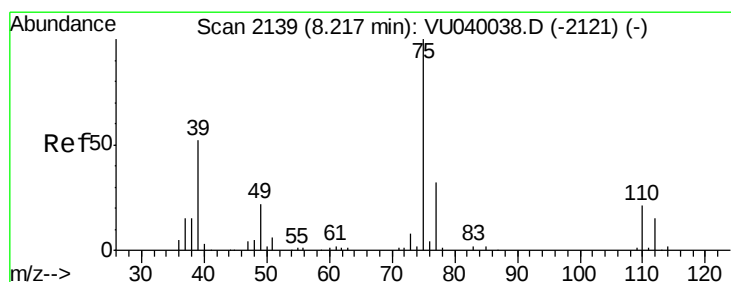
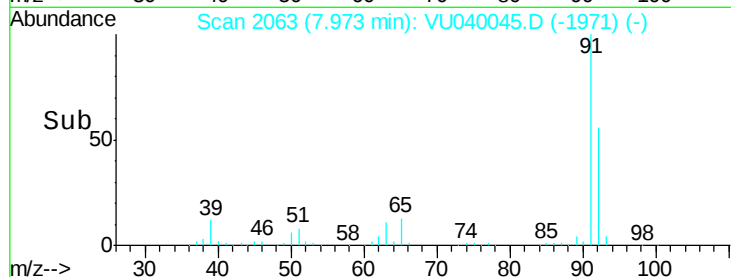
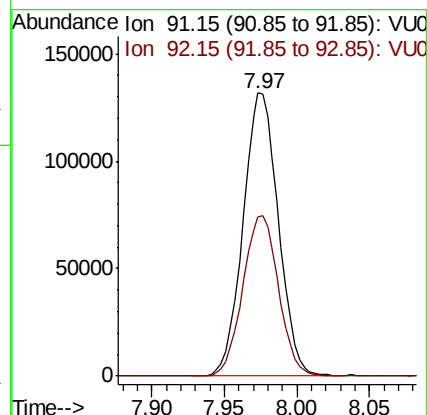
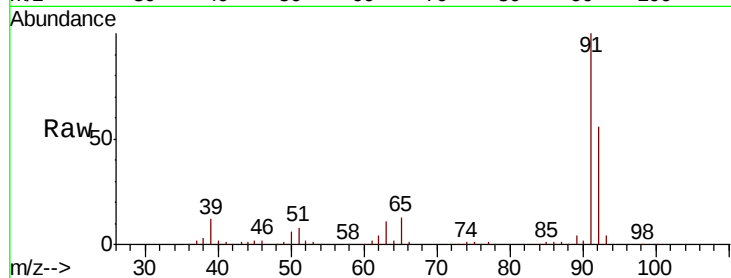
ClientSampleId :

Tot Ion: 91 Resp: 222749

Ion Ratio Lower Upper

91 100

92 56.1 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 4.982 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040045.D

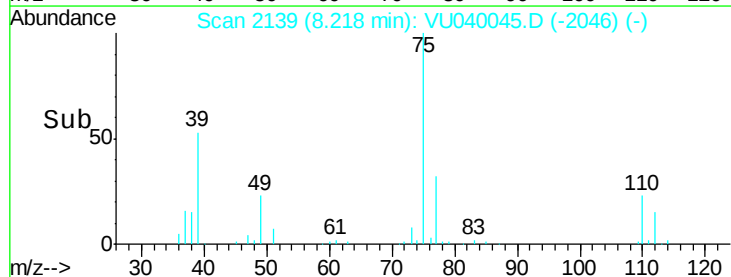
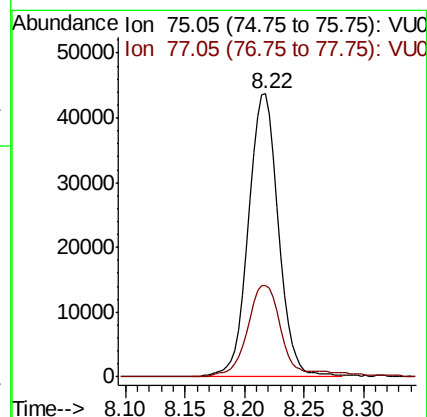
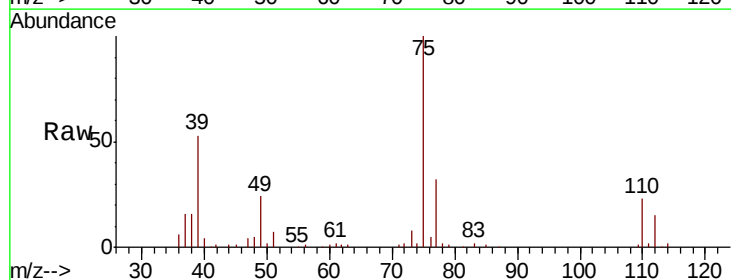
Acq: 04 Sep 2020 14:32

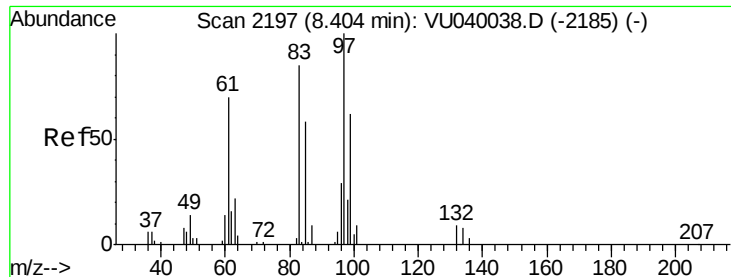
Tgt Ion: 75 Resp: 76528

Ion Ratio Lower Upper

75 100

77 32.5 23.9 44.3

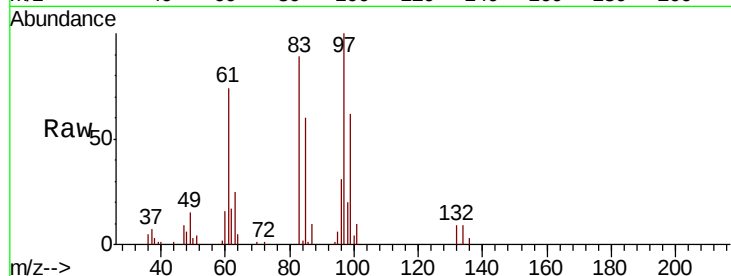




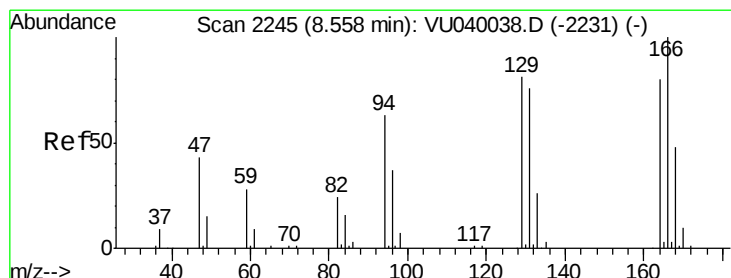
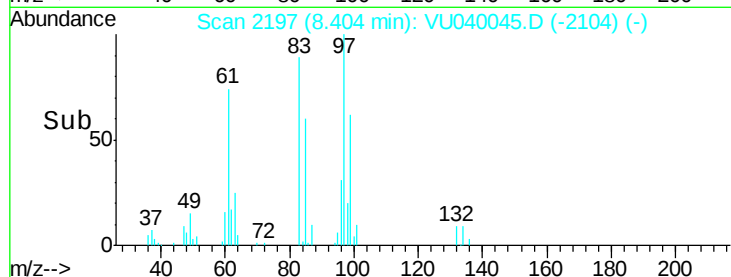
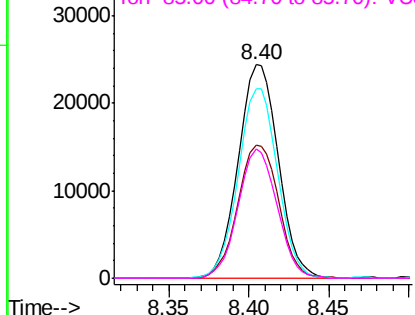
#45
 1,1,2-Trichloroethane
 Concen: 5.101 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	41763
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.0	79.8
83	89.0	61.7	114.7
85	60.4	39.3	73.1

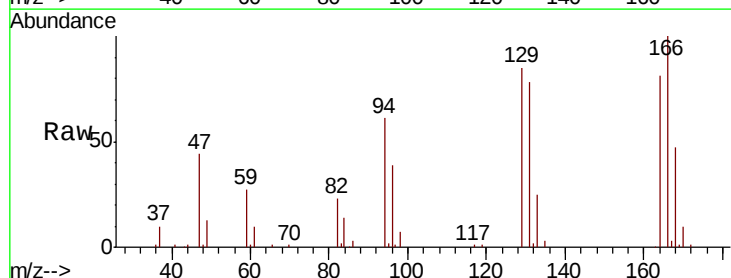


Abundance Ion 96.95 (96.65 to 97.65): VU040045.D (-2197) (-)
 Ion 99.05 (98.75 to 99.75): VU040045.D (-2197) (-)
 Ion 82.95 (82.65 to 83.65): VU040045.D (-2197) (-)
 Ion 85.00 (84.70 to 85.70): VU040045.D (-2197) (-)

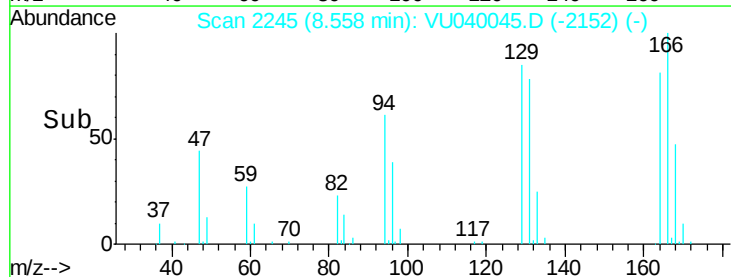
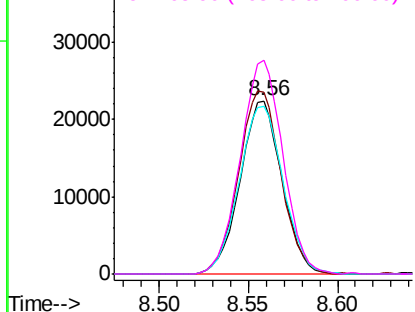


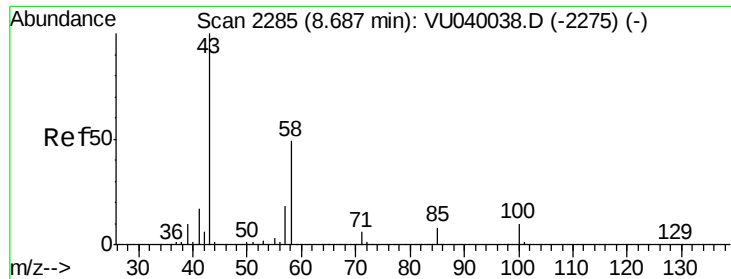
#47
 Tetrachloroethene
 Concen: 5.018 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

Tgt Ion:	164	Resp:	36701
Ion	Ratio	Lower	Upper
164	100		
129	105.4	71.5	132.7
131	96.6	65.9	122.5
166	123.5	87.3	162.1



Abundance Ion 163.90 (163.60 to 164.60): VU040045.D (-2245) (-)
 Ion 128.95 (128.65 to 129.65): VU040045.D (-2245) (-)
 Ion 130.95 (130.65 to 131.65): VU040045.D (-2245) (-)
 Ion 165.90 (165.60 to 166.60): VU040045.D (-2245) (-)

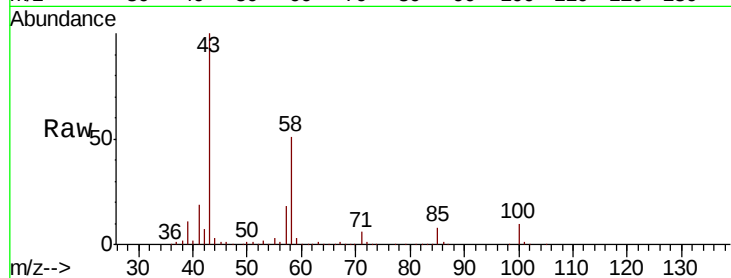




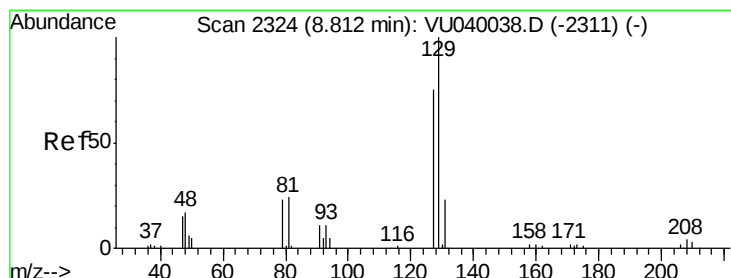
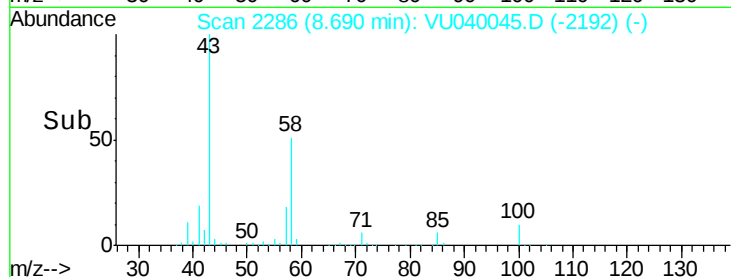
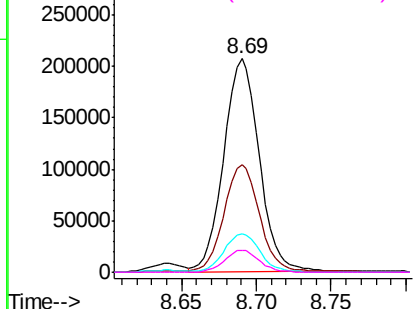
#48
2-Hexanone
Concen: 50.703 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040045.D
Acq: 04 Sep 2020 14:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 341065
Ion Ratio Lower Upper
43 100
58 49.9 39.6 59.4
57 18.2 14.3 21.5
100 10.3 8.0 12.0

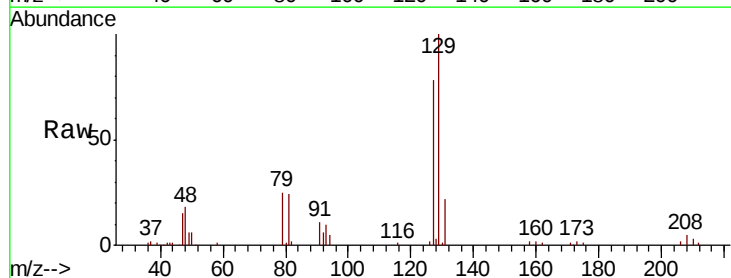


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

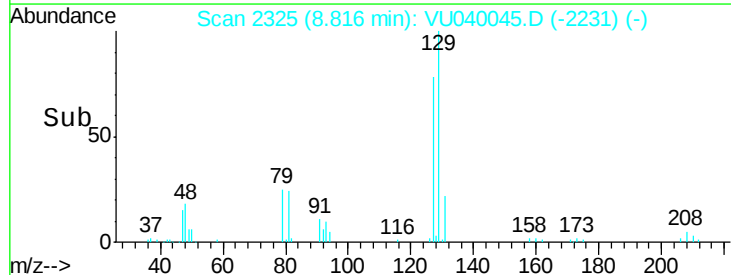
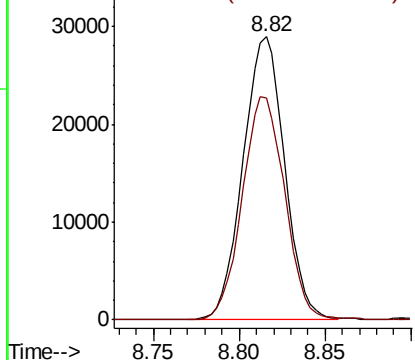


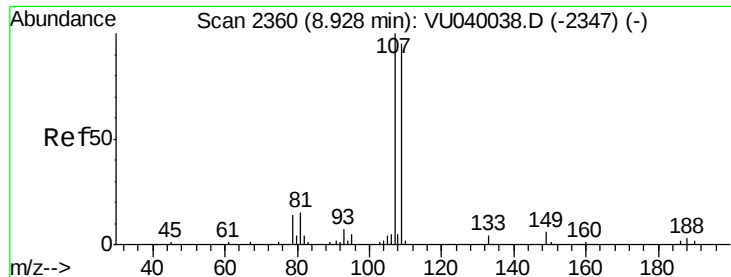
#49
Dibromochloromethane
Concen: 4.942 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040045.D
Acq: 04 Sep 2020 14:32

Tgt Ion: 129 Resp: 48572
Ion Ratio Lower Upper
129 100
127 78.2 53.7 99.7



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

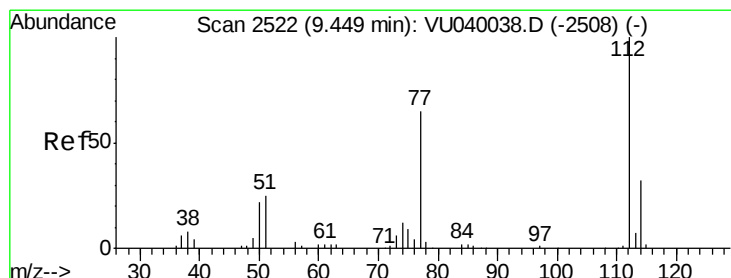
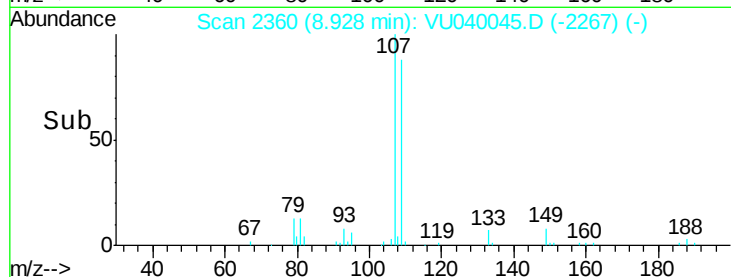
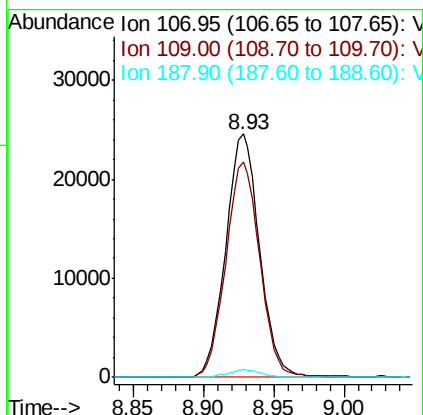
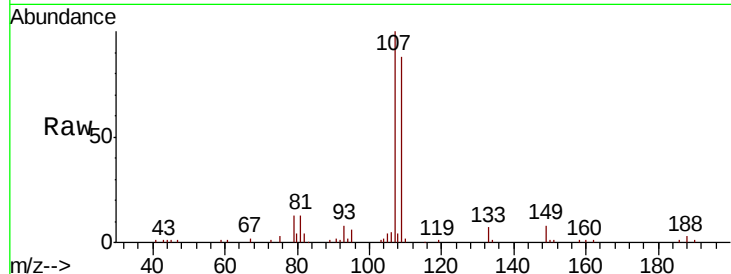




#50
 1,2-Dibromoethane
 Concen: 5.203 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

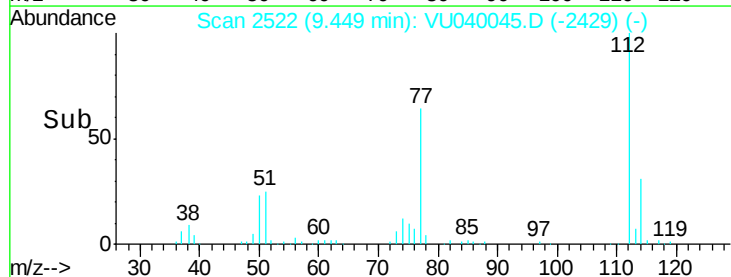
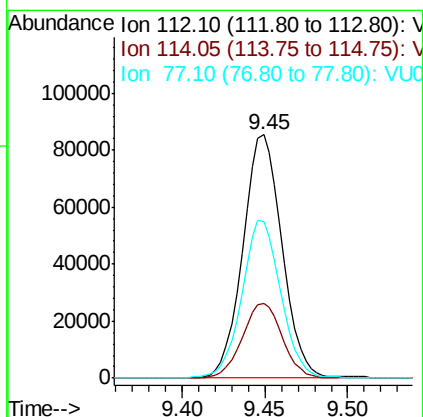
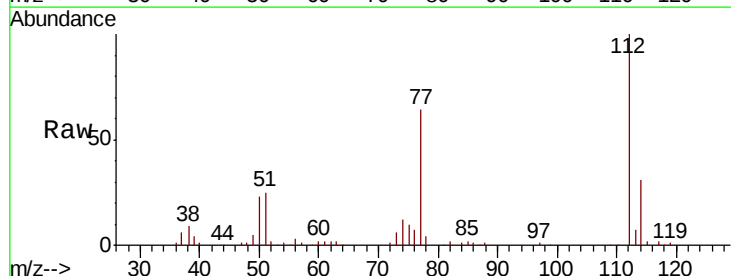
Instrument :
 MSVOA_U
 ClientSampleId :

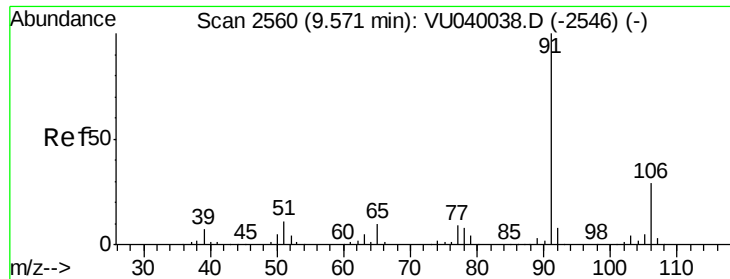
Tot Ion	Ratio	Lower	Upper
107	100		
109	88.4	62.4	115.8
188	3.2	2.3	3.5



#51
 Chlorobenzene
 Concen: 5.286 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.9	22.7	42.3
77	64.3	53.2	79.8





#52

Ethylbenzene

Concen: 5.059 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

Instrument :

MSVOA_U

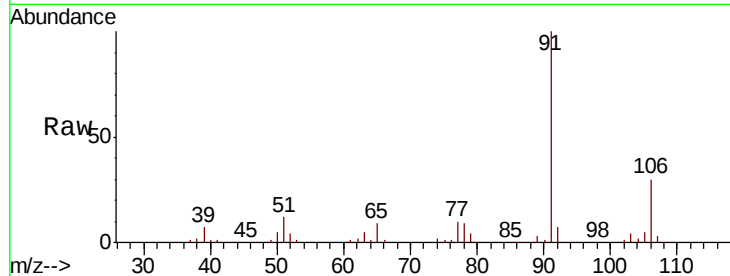
ClientSampleId :

Tot Ion: 91 Resp: 245710

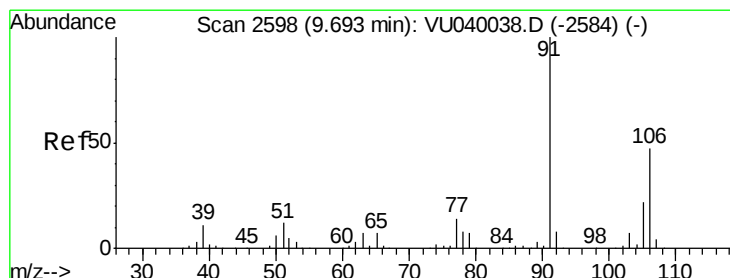
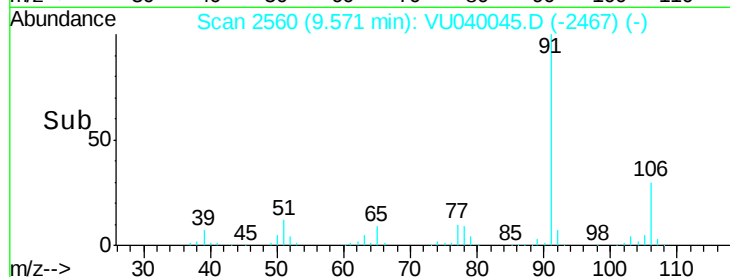
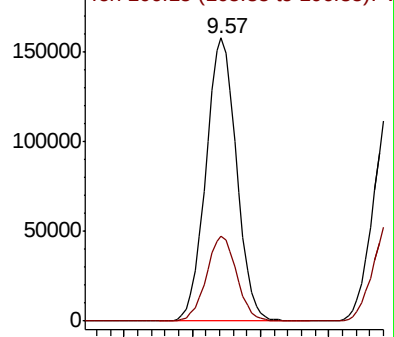
Ion Ratio Lower Upper

91 100

106 30.1 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040038.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.277 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040045.D

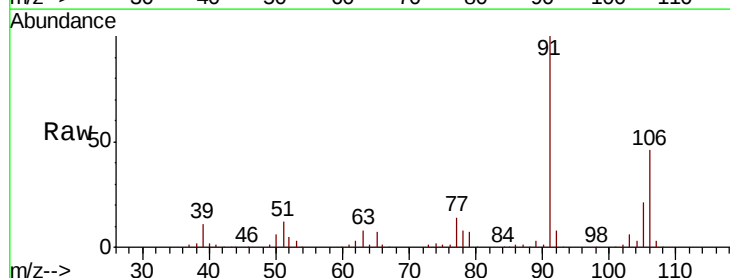
Acq: 04 Sep 2020 14:32

Tgt Ion: 106 Resp: 91246

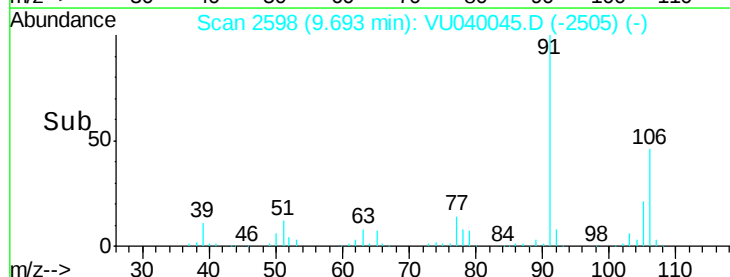
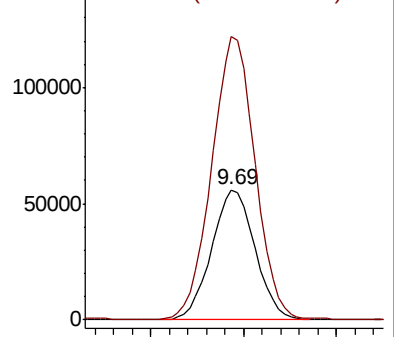
Ion Ratio Lower Upper

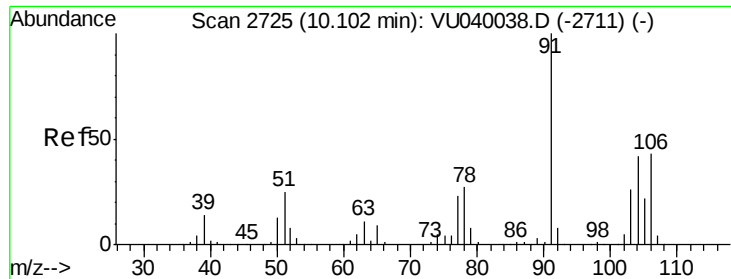
106 100

91 217.5 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040038.D (-2584) (-)

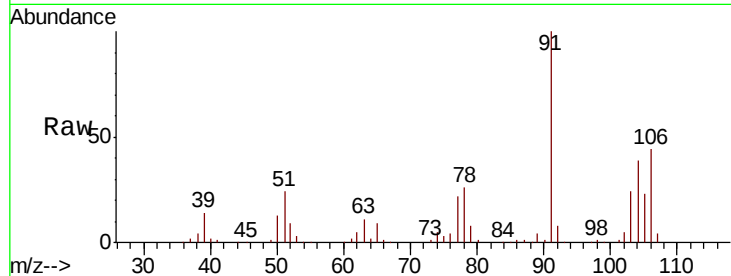




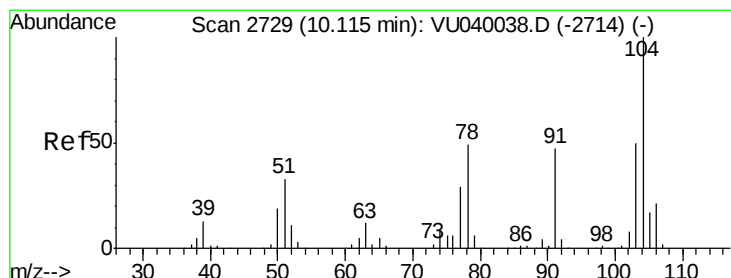
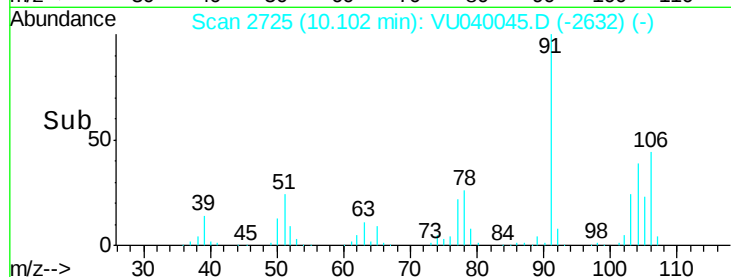
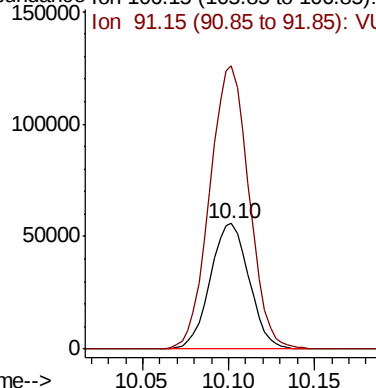
#54
o-Xylene
Concen: 5.352 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040045.D
Acq: 04 Sep 2020 14:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 88187
Ion Ratio Lower Upper
106 100
91 225.2 160.8 298.6

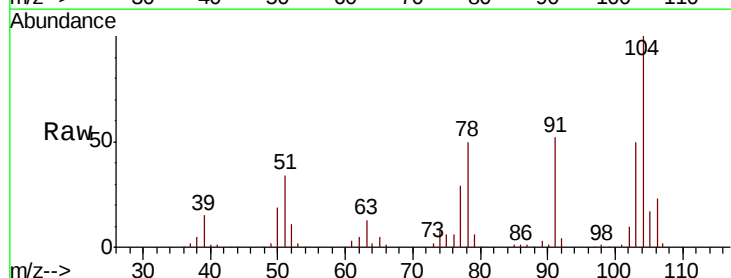


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

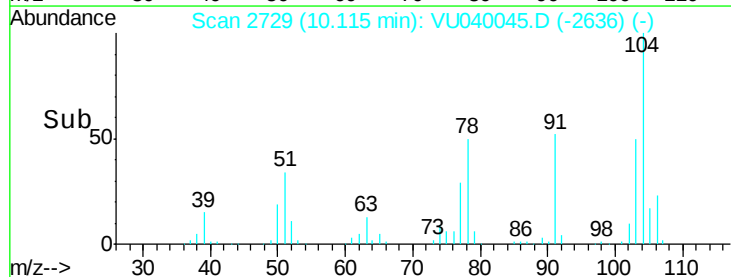
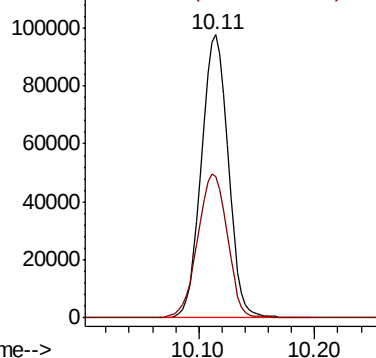


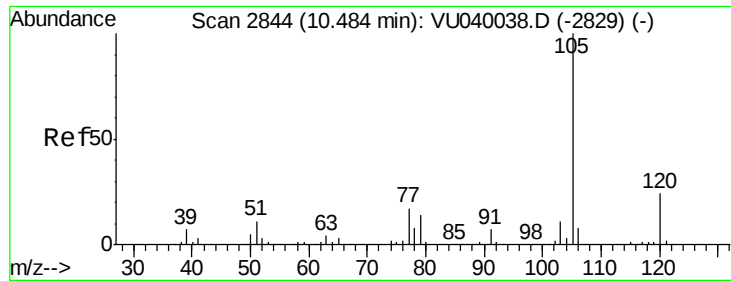
#55
Styrene
Concen: 5.442 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040045.D
Acq: 04 Sep 2020 14:32

Tgt Ion:104 Resp: 155958
Ion Ratio Lower Upper
104 100
78 49.7 36.8 68.3



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





#56

Isopropylbenzene

Concen: 5.388 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

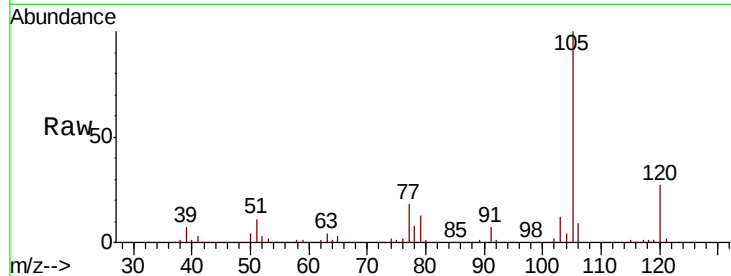
Tot Ion:105 Resp: 242159

Ion Ratio Lower Upper

105 100

120 25.7 20.1 30.1

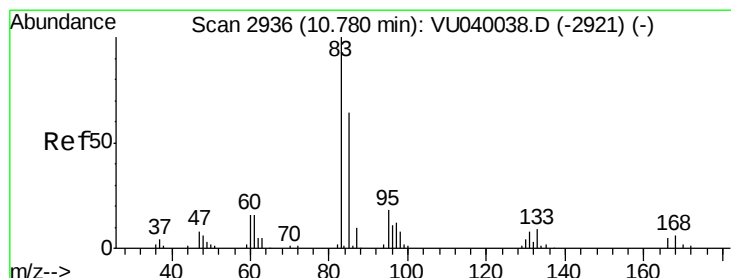
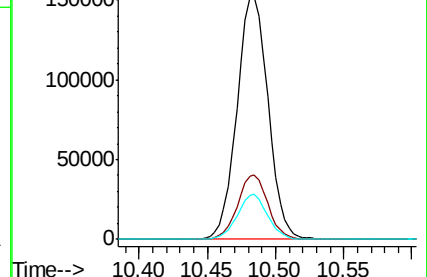
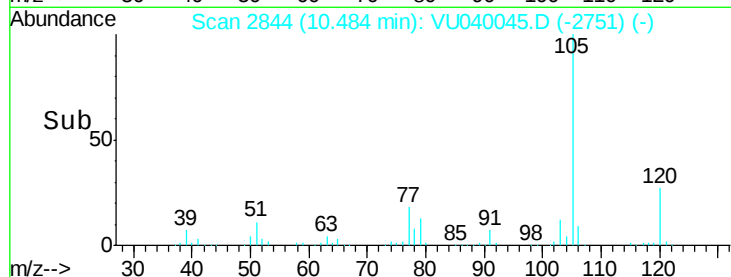
77 17.8 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.170 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

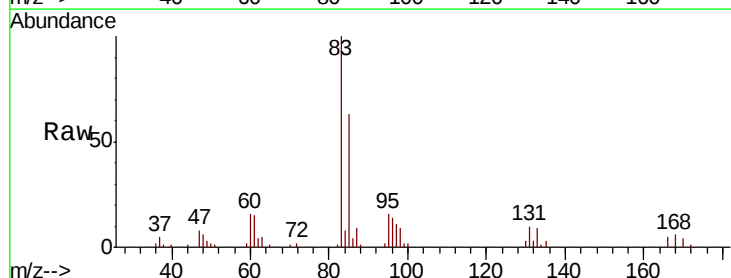
Tgt Ion: 83 Resp: 54279

Ion Ratio Lower Upper

83 100

85 62.9 44.9 83.3

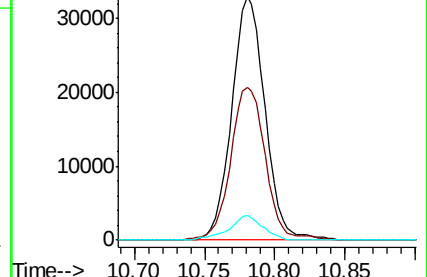
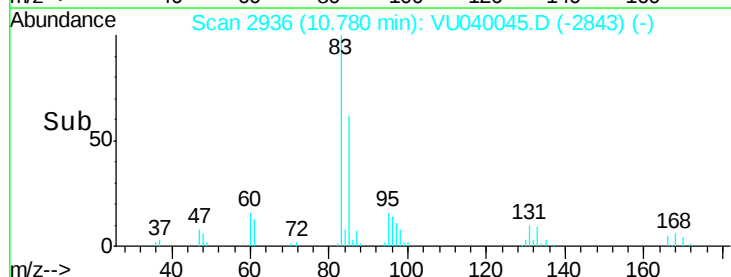
131 10.0 7.4 11.0

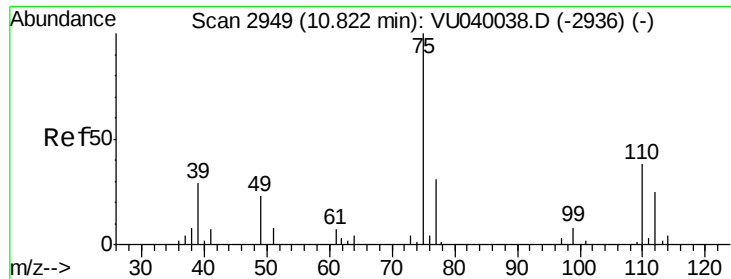


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

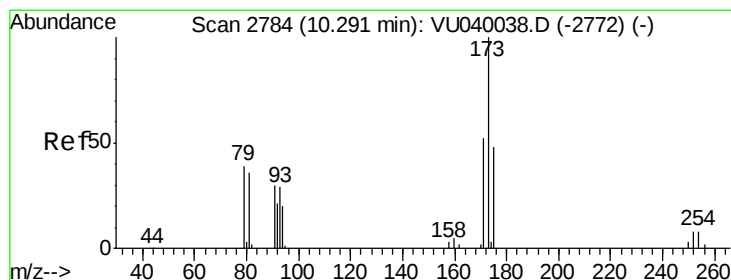
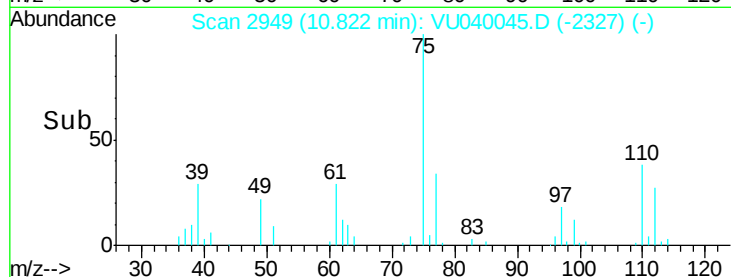
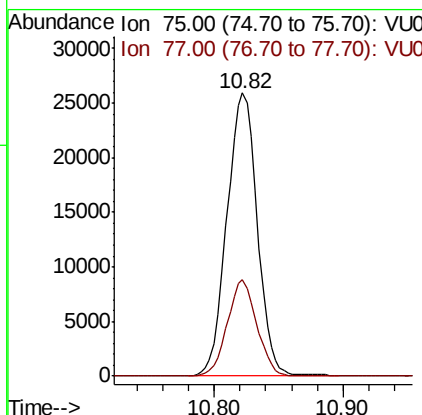
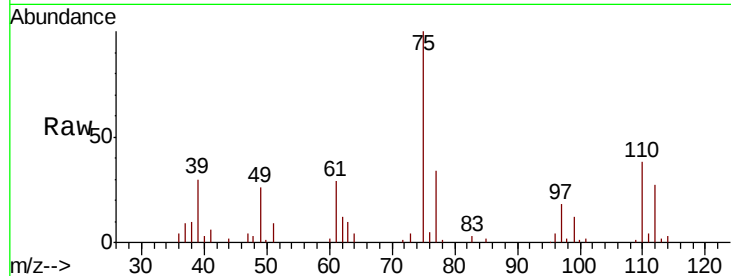




#59
 1,2,3-Trichloropropane
 Concen: 5.096 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

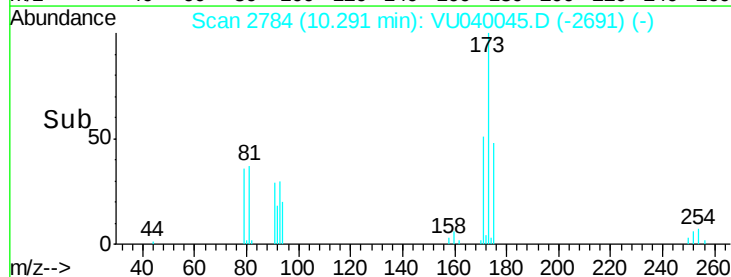
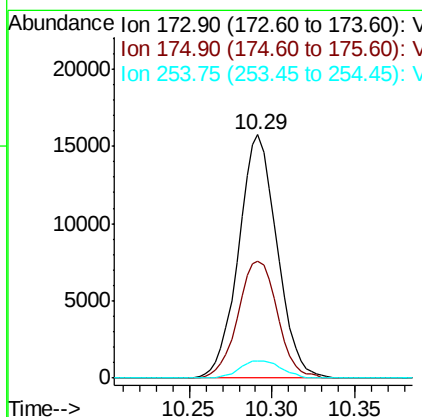
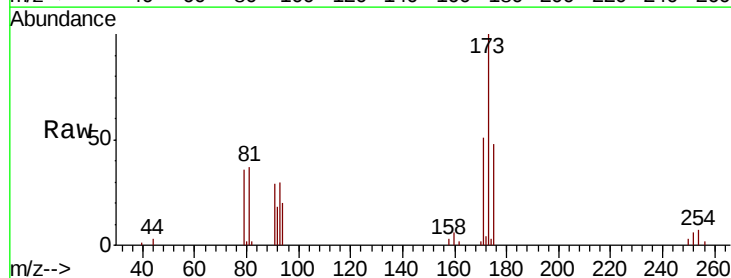
Instrument :
 MSVOA_U
 ClientSampleId :

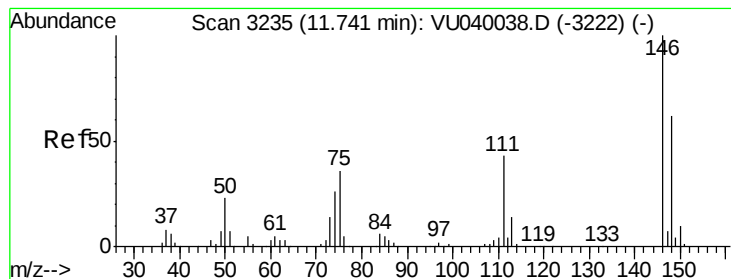
Tot Ion: 75 Resp: 42430
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.9 37.3



#61
 Bromoform
 Concen: 4.683 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

Tgt Ion: 173 Resp: 25374
 Ion Ratio Lower Upper
 173 100
 175 49.5 37.8 56.6
 254 7.7 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 5.005 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

Instrument :

MSVOA_U

ClientSampled :

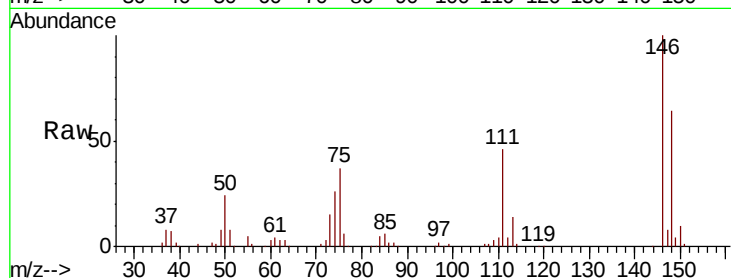
Tot Ion:146 Resp: 108072

Ion Ratio Lower Upper

146 100

111 46.1 31.6 58.8

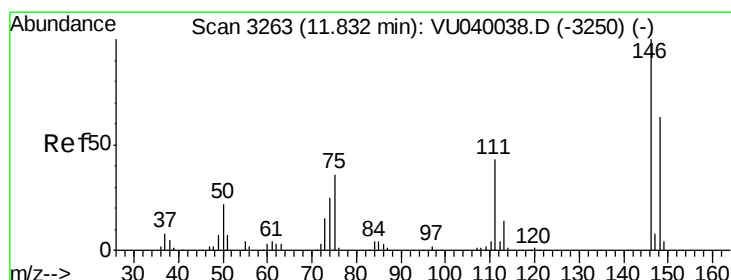
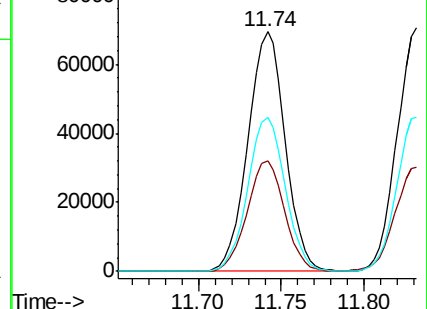
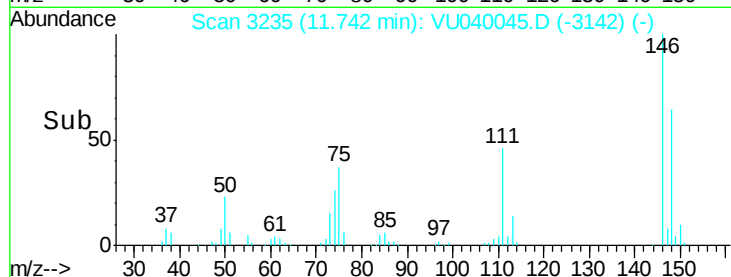
148 64.1 44.2 82.0



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



#63

1,4-Dichlorobenzene

Concen: 5.029 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

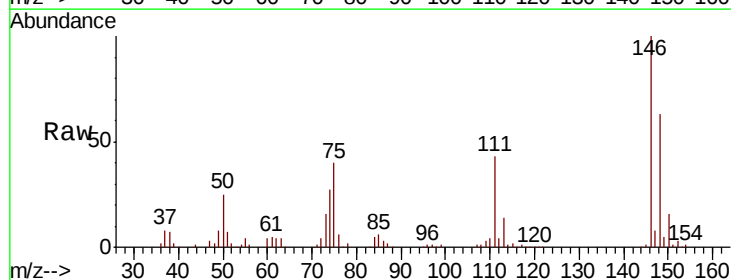
Tgt Ion:146 Resp: 109891

Ion Ratio Lower Upper

146 100

111 42.8 30.5 56.7

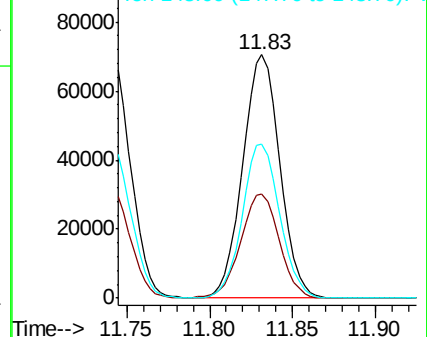
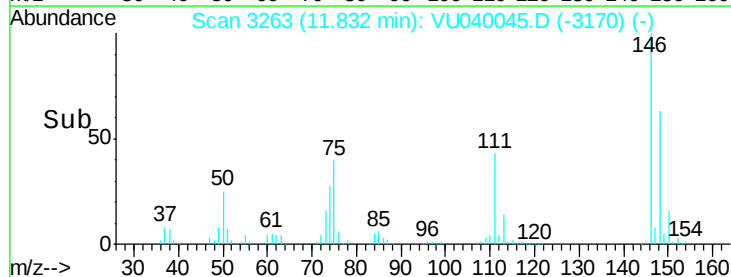
148 63.5 45.4 84.4

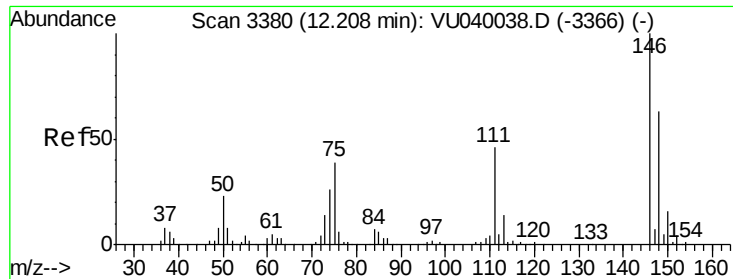


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.976 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

Instrument :

MSVOA_U

ClientSampled :

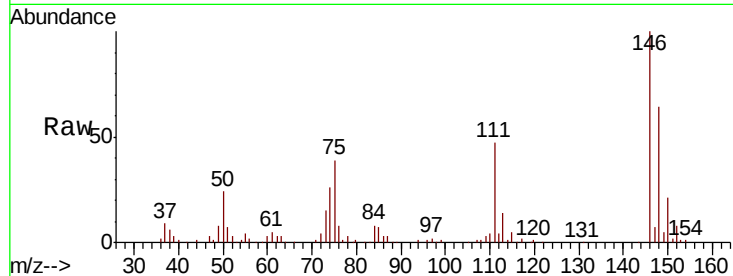
Tot Ion:146 Resp: 103978

Ion Ratio Lower Upper

146 100

111 46.8 36.5 54.7

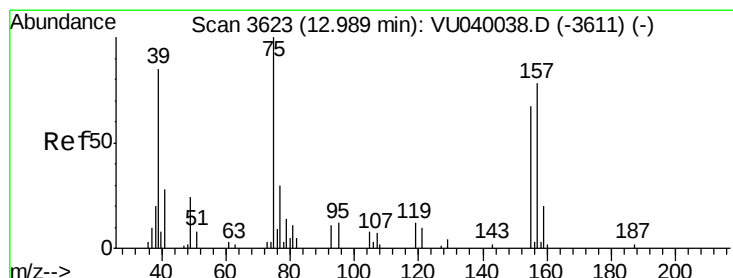
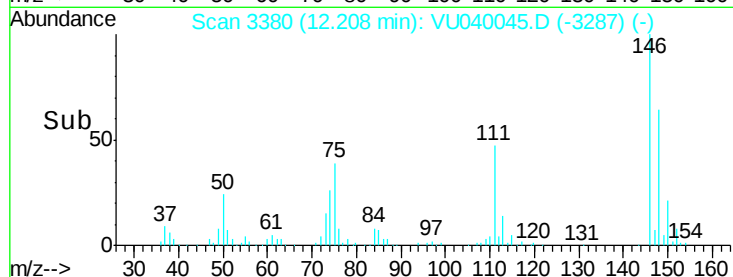
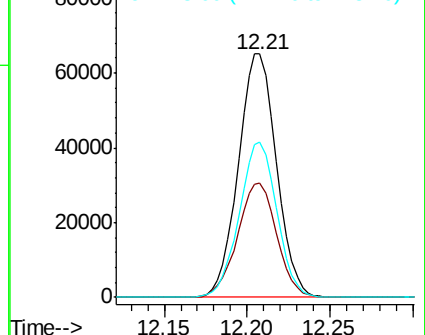
148 63.9 48.6 72.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.700 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

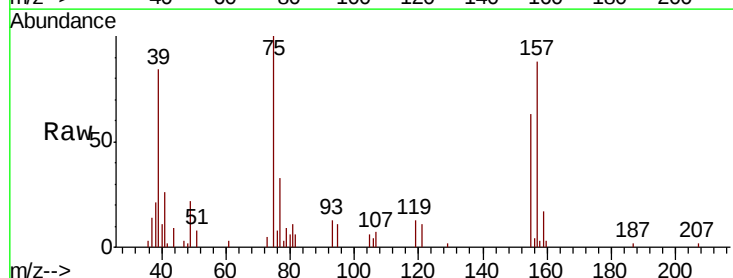
Tgt Ion: 75 Resp: 10504

Ion Ratio Lower Upper

75 100

155 63.1 54.6 82.0

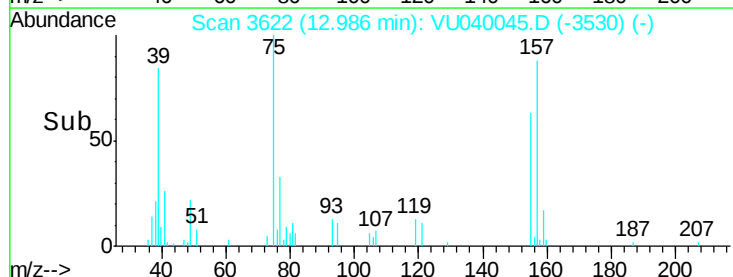
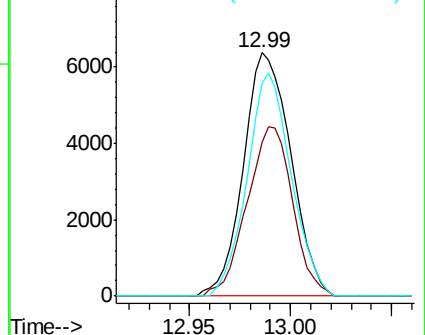
157 87.5 75.6 113.4

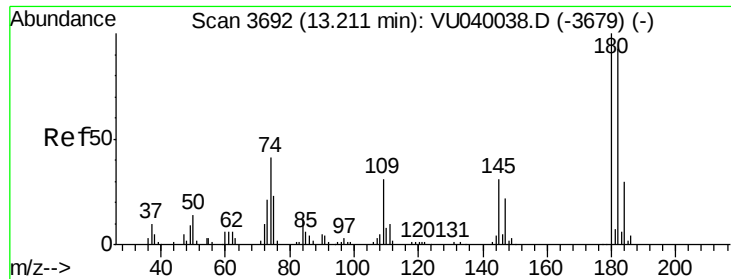


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

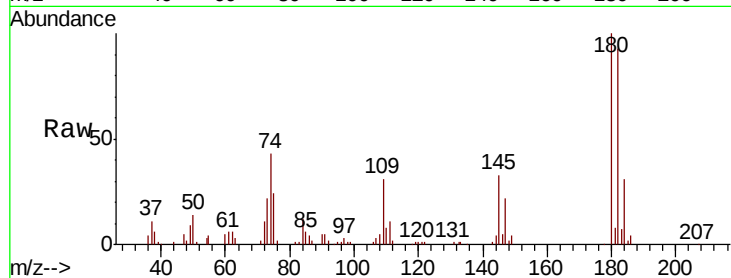




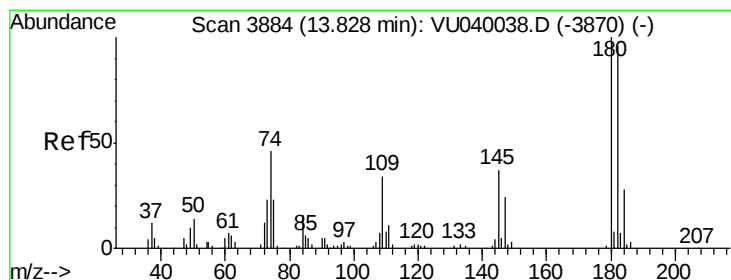
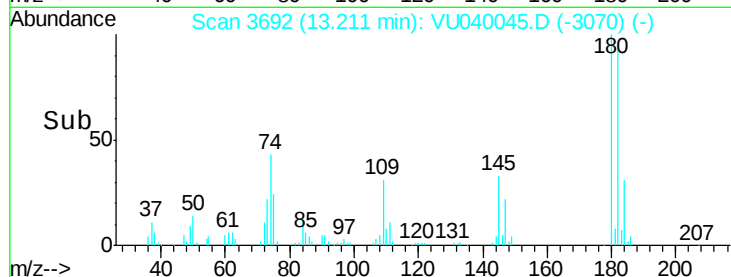
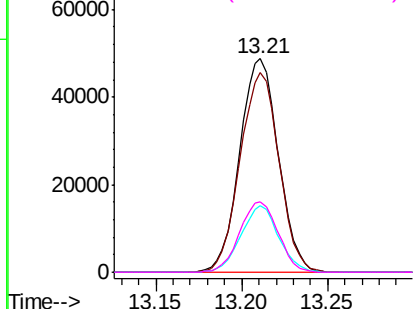
#67
 1,3,5-Trichlorobenzene
 Concen: 5.021 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 76239
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.9 115.3
 184 30.3 24.6 36.8
 145 32.8 27.0 40.6

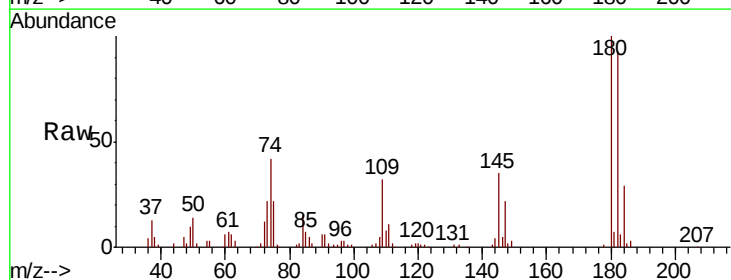


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

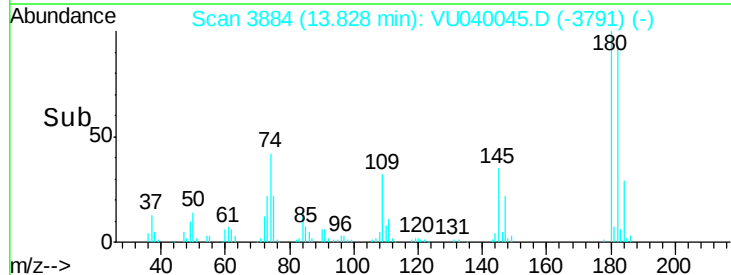
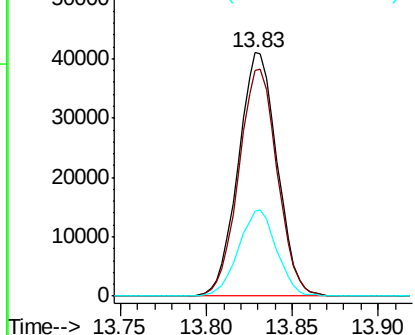


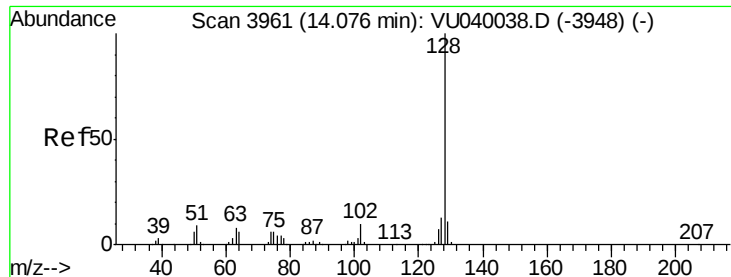
#68
 1,2,4-trichlorobenzene
 Concen: 4.907 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040045.D
 Acq: 04 Sep 2020 14:32

Tgt Ion:180 Resp: 64178
 Ion Ratio Lower Upper
 180 100
 182 92.6 76.0 114.0
 145 34.7 28.4 42.6



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





#69

Naphthalene

Concen: 4.445 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

Instrument :

MSVOA_U

ClientSampled :

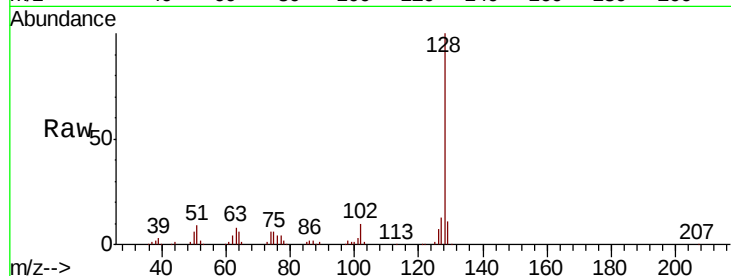
Tot Ion:128 Resp: 121175

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

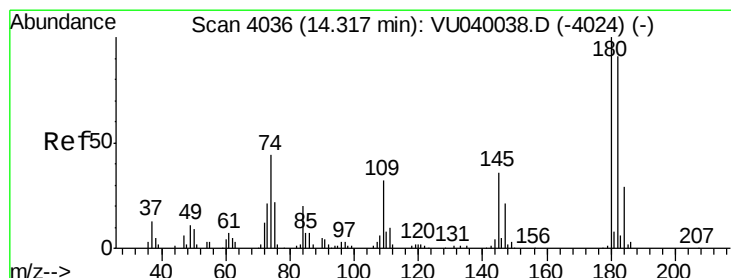
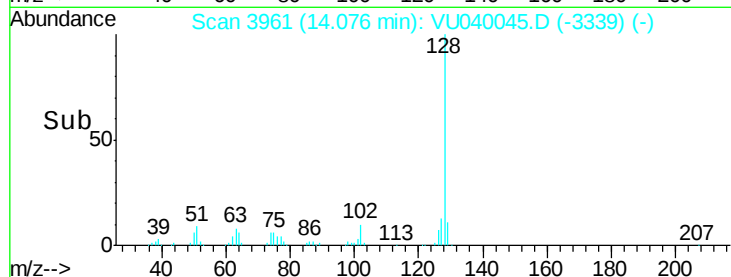
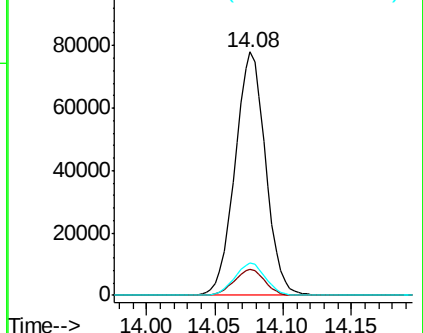
127 13.2 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.822 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU040045.D

Acq: 04 Sep 2020 14:32

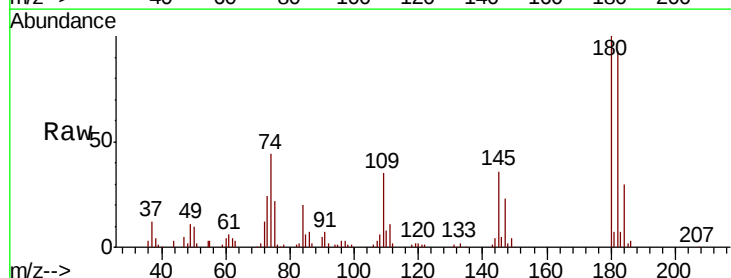
Tgt Ion:180 Resp: 57928

Ion Ratio Lower Upper

180 100

182 93.4 77.8 116.6

145 36.6 28.7 43.1



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

