

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042220\
 Data File : VU037840.D
 Acq On : 22 Apr 2020 10:21
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 23 01:35:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 21 11:07:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	321165	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	308838	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	159335	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	103308	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.93	69	93093	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.59	63	200137	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.60%
20) 2-Butanone-d5	4.67	46	360354	53.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.98%
24) Chloroform-d	5.10	84	196410	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.74	65	114322	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.76	84	407418	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.72	67	137998	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.92	98	374467	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	8.20	79	59780	4.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.00%
46) 2-Hexanone-d5	8.66	63	330871	52.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.98%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	109627	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	142123	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	142936	5.130 ug/L	98
3) Chloromethane	1.53	50	157155	4.562 ug/L	99
5) Vinyl chloride	1.62	62	162807	4.811 ug/L	97
6) Bromomethane	1.87	94	80760	4.156 ug/L	100
8) Chloroethane	1.95	64	97148	4.889 ug/L	99
9) Trichlorofluoromethane	2.16	101	183016	5.040 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	108254	5.120 ug/L	98
12) 1,1-Dichloroethene	2.60	96	106370	4.799 ug/L	96
13) Acetone	2.66	43	214359	48.711 ug/L	98
14) Carbon disulfide	2.82	76	365097	4.512 ug/L	99
15) Methyl Acetate	2.98	43	59392	4.854 ug/L	99
16) Methylene chloride	3.08	84	117095	4.686 ug/L	94
17) Methyl tert-butyl Ether	3.40	73	310371	4.836 ug/L	98
18) trans-1,2-Dichloroethene	3.38	96	116949	4.867 ug/L	98
19) 1,1-Dichloroethane	3.91	63	237018	5.100 ug/L	100
21) 2-Butanone	4.75	43	398705	49.866 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	127764	4.921 ug/L	97

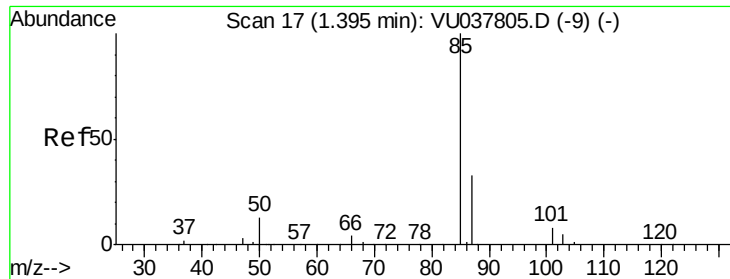
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042220\
 Data File : VU037840.D
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Quant Time: Apr 23 01:35:48 2020
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 21 11:07:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	52280	4.751	ug/L	95
25) Chloroform	5.13	83	227678	5.157	ug/L	99
27) 1,2-Dichloroethane	5.83	62	154404	5.174	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	191544	5.111	ug/L	99
30) Cyclohexane	5.42	56	234501	5.056	ug/L	99
31) Carbon tetrachloride	5.56	117	155410	5.204	ug/L	99
33) Benzene	5.81	78	507800	4.976	ug/L	100
34) Trichloroethene	6.57	95	125347	4.998	ug/L	99
35) Methylcyclohexane	6.79	83	224726	5.113	ug/L	99
37) 1,2-Dichloropropane	6.82	63	140614	5.196	ug/L	99
38) Bromodichloromethane	7.13	83	163030	5.066	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	213113	5.031	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	990097	49.764	ug/L	99
42) Toluene	8.00	91	534831	5.004	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	183396	4.987	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	90158	4.944	ug/L	98
47) Tetrachloroethene	8.57	164	93168	5.170	ug/L	97
48) 2-Hexanone	8.71	43	712211	49.997	ug/L	99
49) Dibromochloromethane	8.83	129	104182	4.999	ug/L	99
50) 1,2-Dibromoethane	8.95	107	85531	4.877	ug/L	99
51) Chlorobenzene	9.47	112	332016	5.091	ug/L	98
52) Ethylbenzene	9.59	91	602667	5.068	ug/L	100
53) m,p-Xylene	9.71	106	228630	5.080	ug/L	100
54) o-Xylene	10.12	106	224340	5.065	ug/L	99
55) Styrene	10.13	104	379519	5.012	ug/L	99
56) Isopropylbenzene	10.50	105	595401	5.124	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	117463	4.948	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	88789	5.013	ug/L	100
61) Bromoform	10.31	173	59196	4.676	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	269238	5.045	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	268649	5.020	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	249481	4.966	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	21662	4.652	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	207227	5.295	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	191128	5.321	ug/L	99
69) Naphthalene	14.12	128	367392	5.050	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	169622	5.300	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.130 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037840.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_U

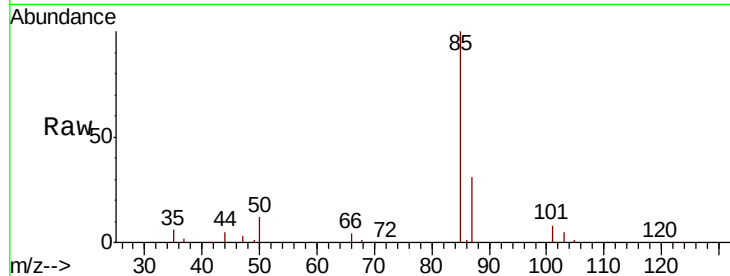
ClientSampleId :

Tot Ion: 85 Resp: 142936

Ion Ratio Lower Upper

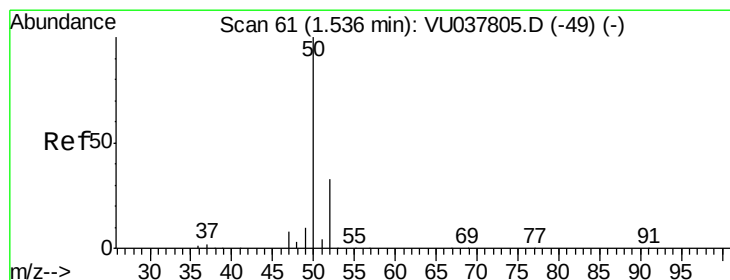
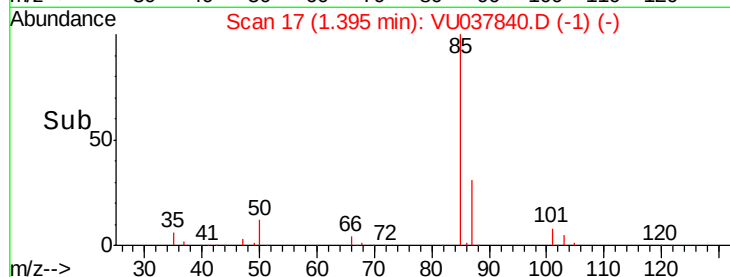
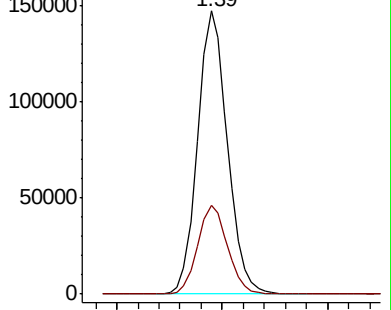
85 100

87 31.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037805.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037805.D (-9) (-)



#3

Chloromethane

Concen: 4.562 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037840.D

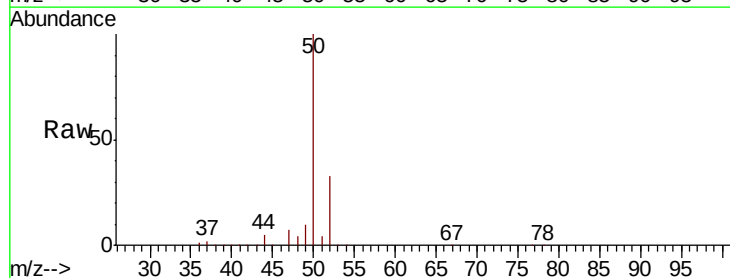
Acq: 22 Apr 2020 10:21

Tgt Ion: 50 Resp: 157155

Ion Ratio Lower Upper

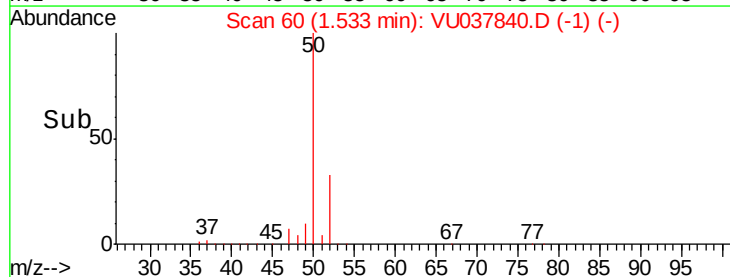
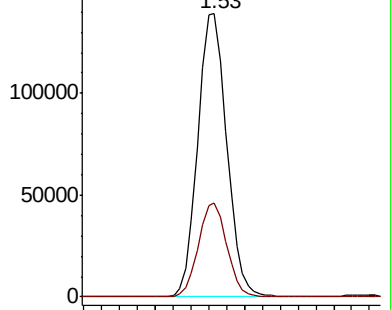
50 100

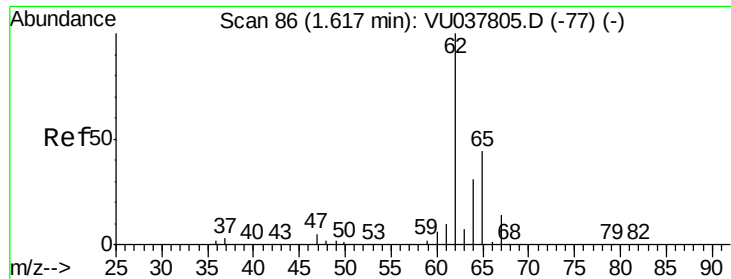
52 33.4 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU037805.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU037805.D (-49) (-)





#5

Vinyl chloride

Concen: 4.811 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037840.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_U

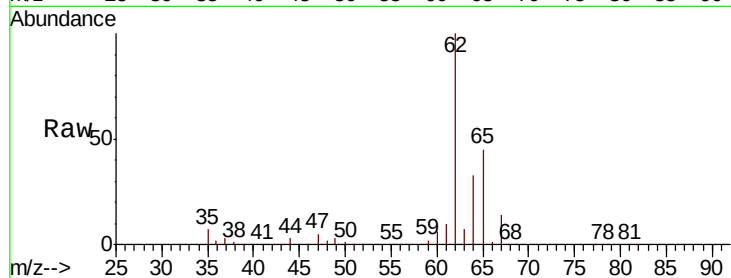
ClientSampleId :

Tot Ion: 62 Resp: 162807

Ion Ratio Lower Upper

62 100

64 33.4 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

150000

100000

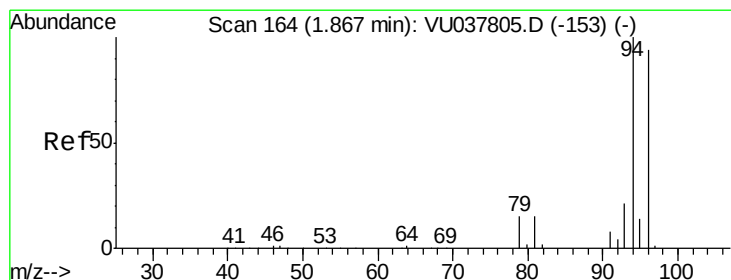
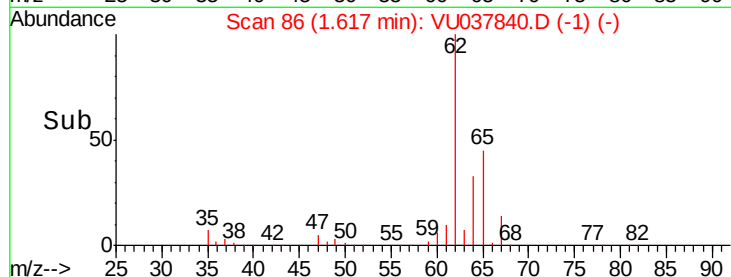
50000

0

1.62

1.55 1.60 1.65

Time-->



#6

Bromomethane

Concen: 4.156 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037840.D

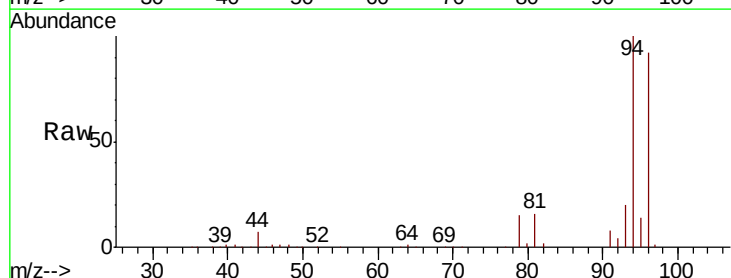
Acq: 22 Apr 2020 10:21

Tgt Ion: 94 Resp: 80760

Ion Ratio Lower Upper

94 100

96 92.3 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

60000

40000

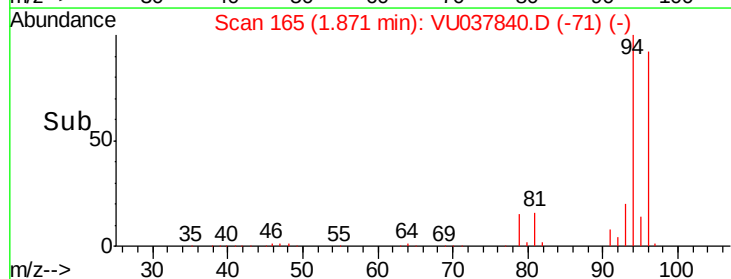
20000

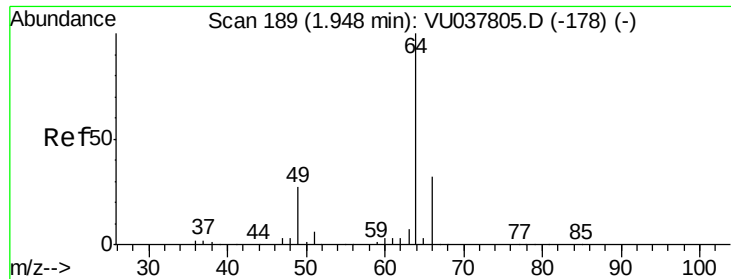
0

1.87

1.80 1.85 1.90 1.95

Time-->

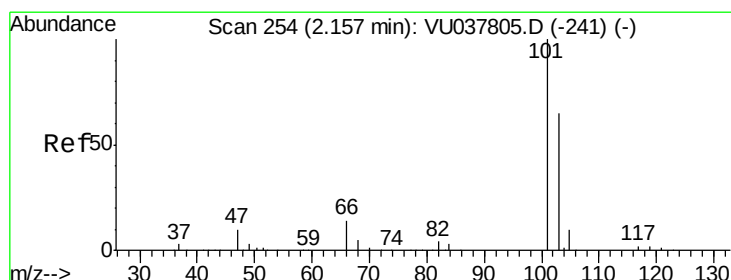
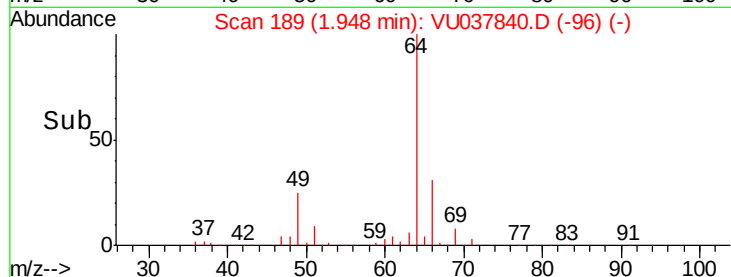
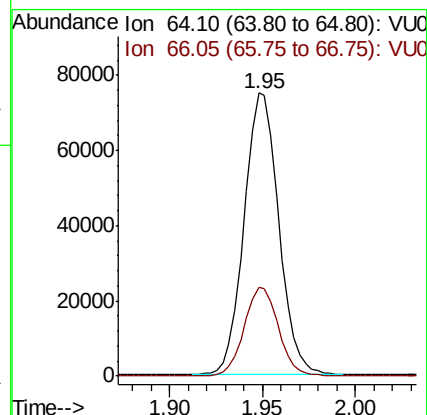
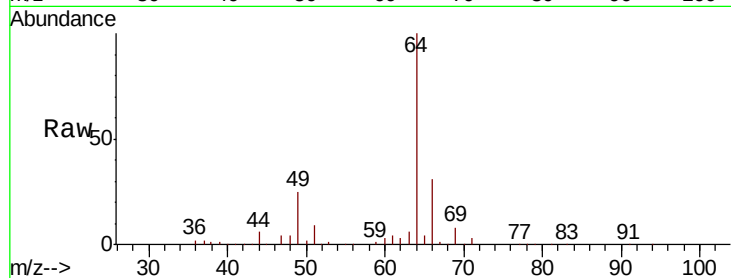




#8
Chloroethane
Concen: 4.889 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU037840.D
Acq: 22 Apr 2020 10:21

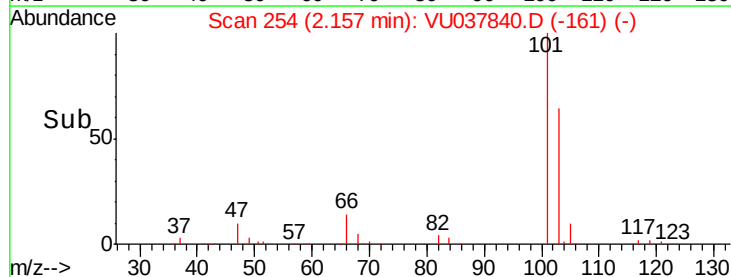
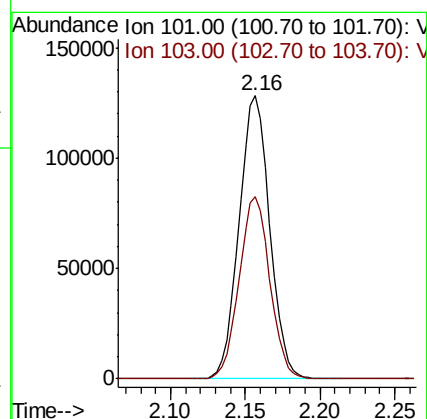
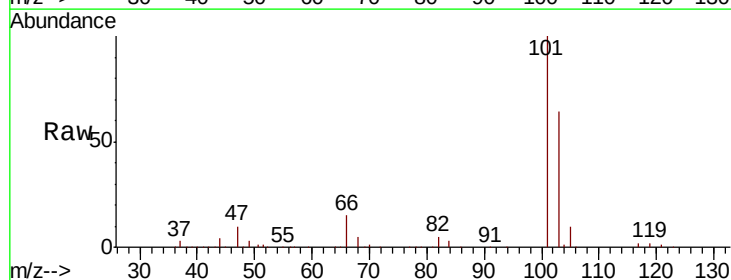
Instrument :
MSVOA_U
ClientSampleId :

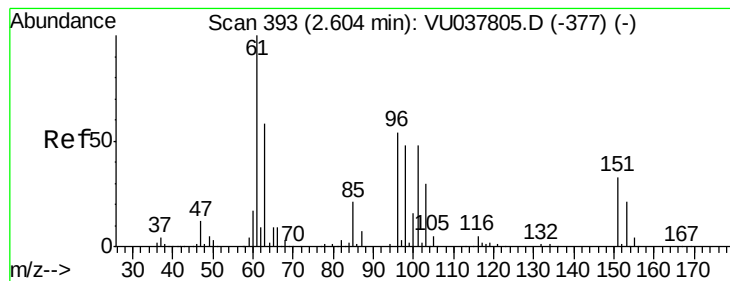
Tot Ion: 64 Resp: 97148
Ion Ratio Lower Upper
64 100
66 31.2 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.040 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037840.D
Acq: 22 Apr 2020 10:21

Tgt Ion:101 Resp: 183016
Ion Ratio Lower Upper
101 100
103 64.6 51.0 76.6





#10

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

Concen: 5.120 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037840.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_U

ClientSampled :

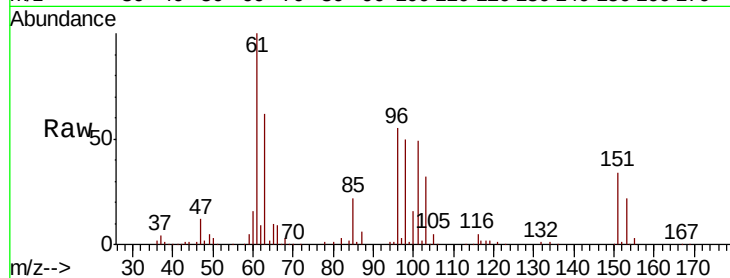
Tot Ion:101 Resp: 108254

Ion Ratio Lower Upper

101 100

85 44.6 34.5 51.7

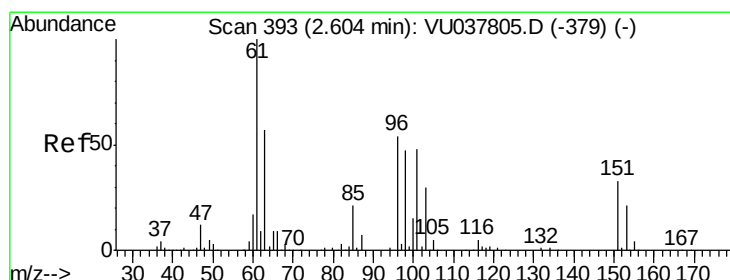
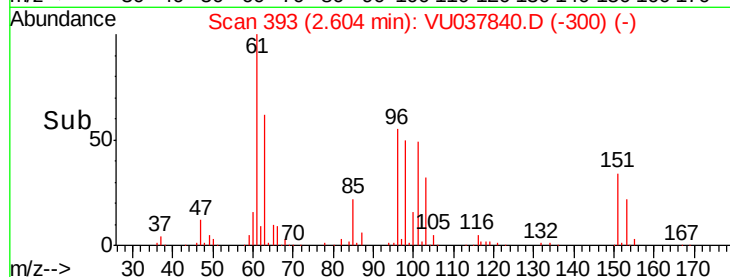
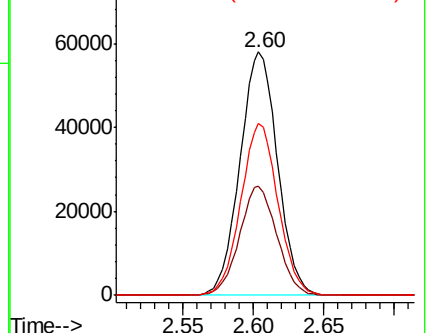
151 69.6 56.9 85.3



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: 4.799 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037840.D

Acq: 22 Apr 2020 10:21

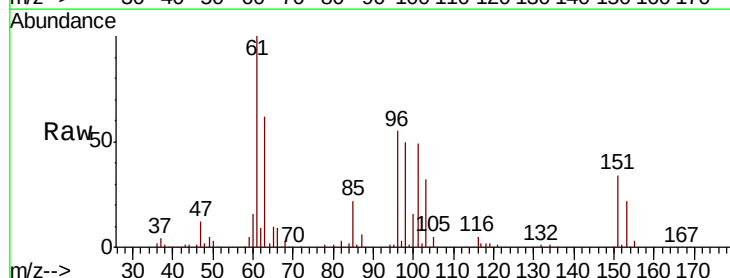
Tgt Ion: 96 Resp: 106370

Ion Ratio Lower Upper

96 100

61 181.1 127.7 237.3

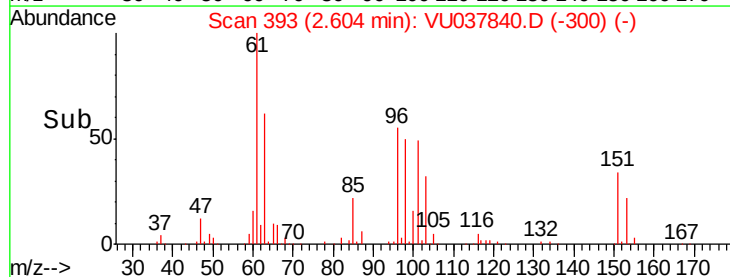
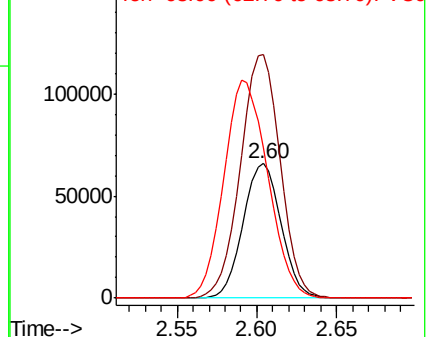
63 111.5 85.0 157.8

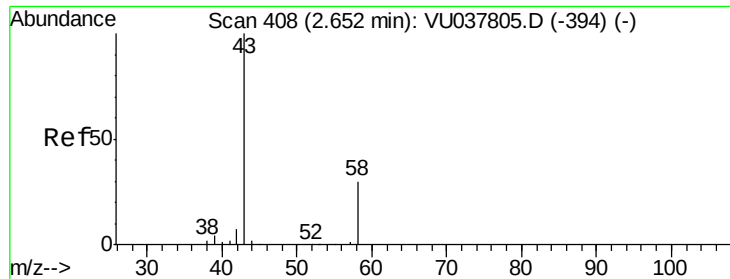


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.711 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU037840.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_U

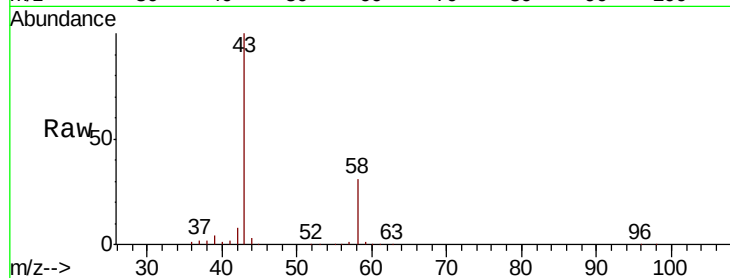
ClientSampleId :

Tot Ion: 43 Resp: 214359

Ion Ratio Lower Upper

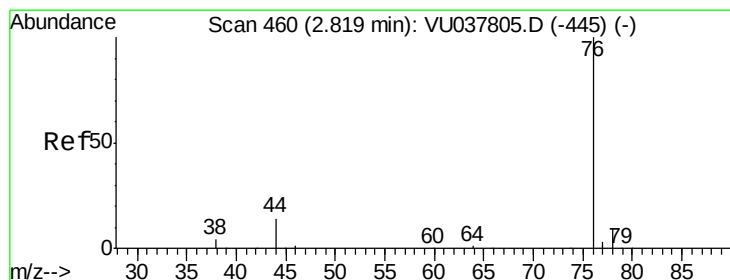
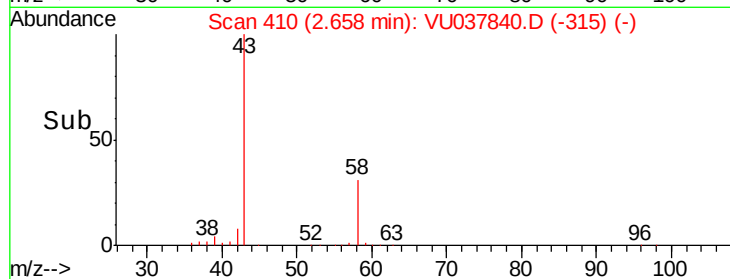
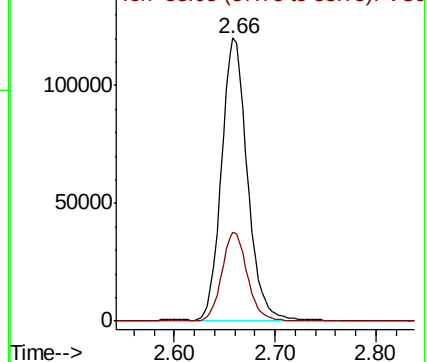
43 100

58 31.2 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037840.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VU037840.D (-315) (-)



#14

Carbon disulfide

Concen: 4.512 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037840.D

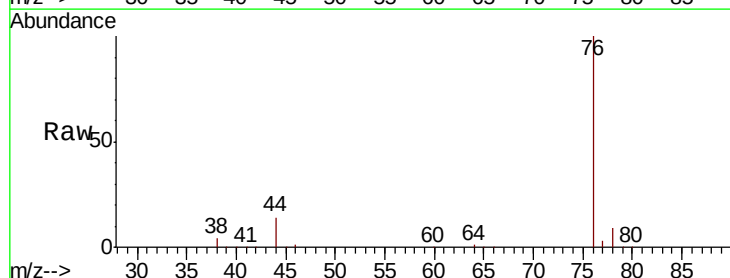
Acq: 22 Apr 2020 10:21

Tgt Ion: 76 Resp: 365097

Ion Ratio Lower Upper

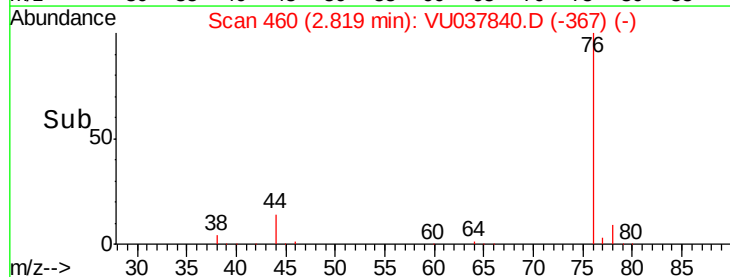
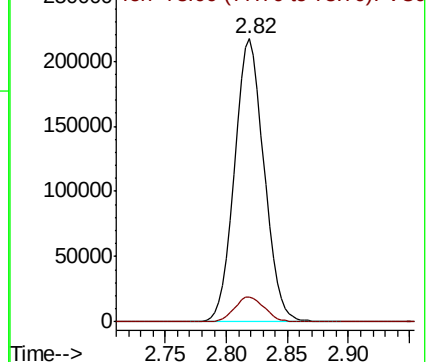
76 100

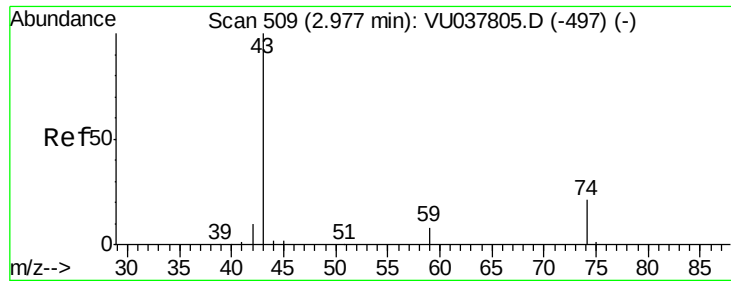
78 9.0 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU037840.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037840.D (-367) (-)

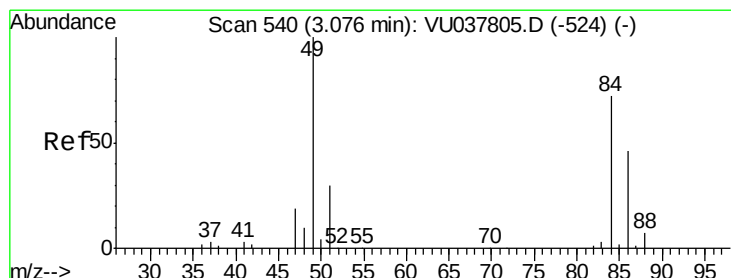
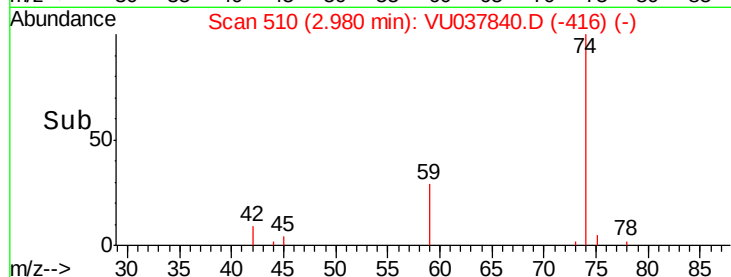
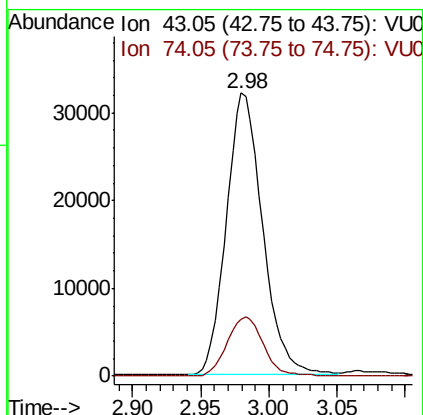
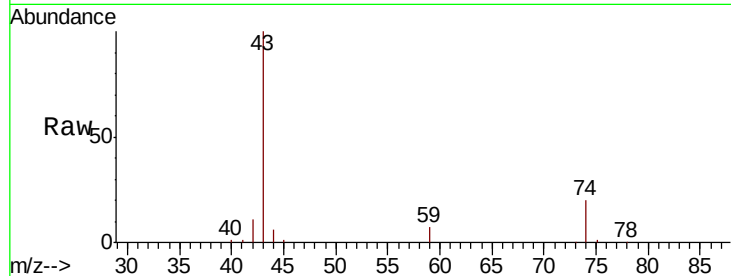




#15
Methvl Acetate
Concen: 4.854 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037840.D
Acq: 22 Apr 2020 10:21

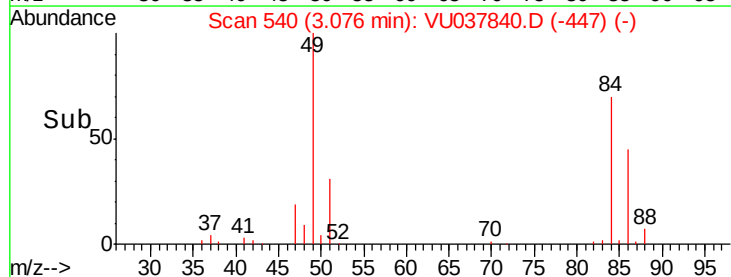
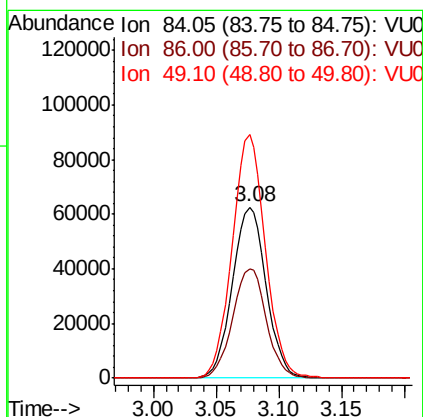
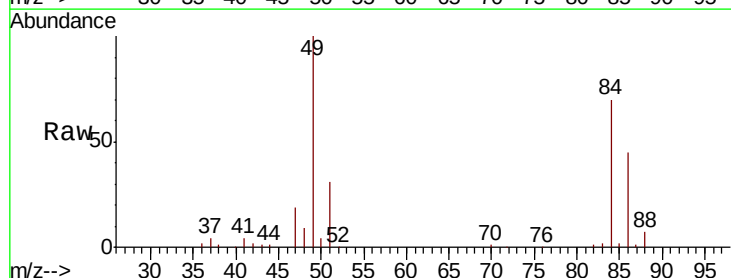
Instrument :
MSVOA_U
ClientSampleId :

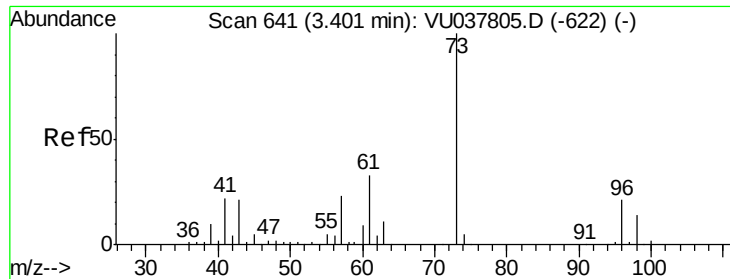
Tot Ion: 43 Resp: 59392
Ion Ratio Lower Upper
43 100
74 21.1 17.2 25.8



#16
Methylene chloride
Concen: 4.686 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037840.D
Acq: 22 Apr 2020 10:21

Tgt Ion: 84 Resp: 117095
Ion Ratio Lower Upper
84 100
86 64.0 44.2 82.0
49 142.2 92.4 171.6



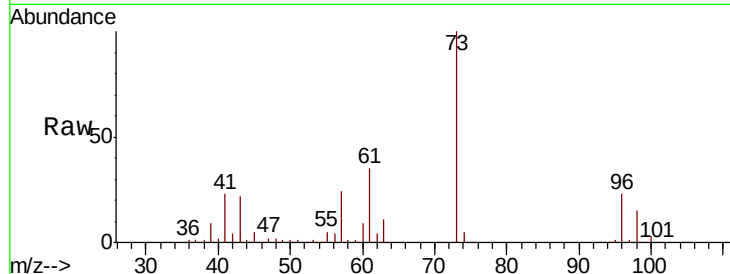


#17

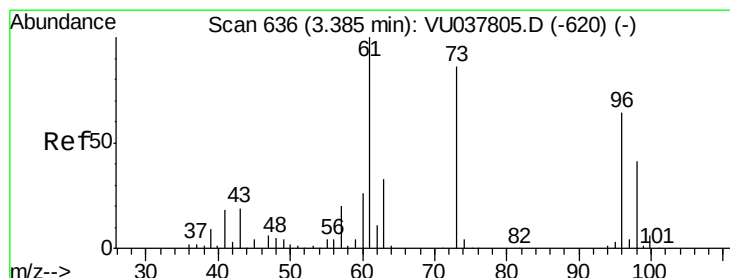
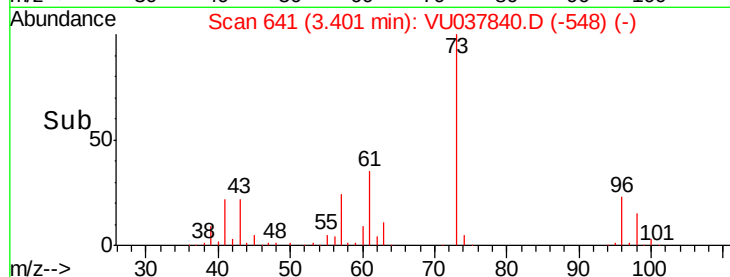
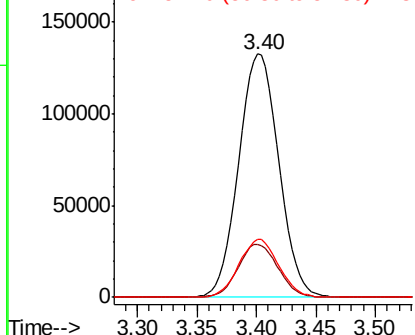
Methyl tert-butyl Ether
 Concen: 4.836 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 310371
 Ion Ratio Lower Upper
 73 100
 43 21.9 16.4 24.6
 57 23.7 18.4 27.6



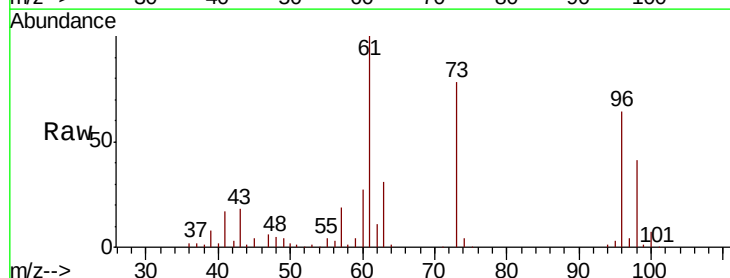
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



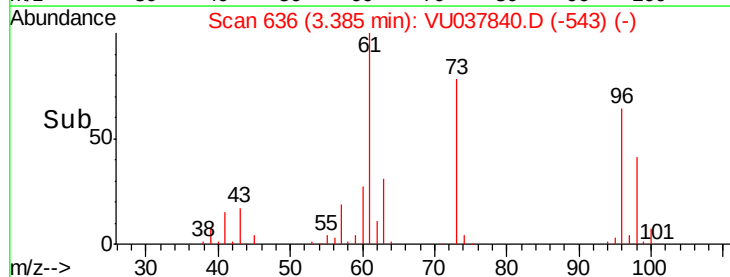
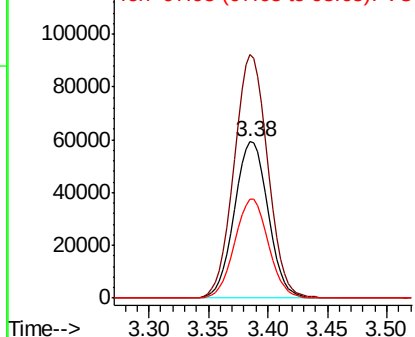
#18

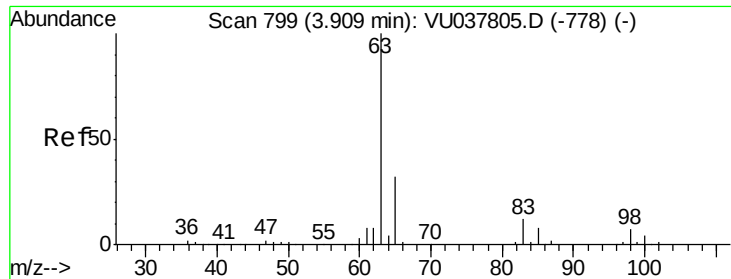
trans-1,2-Dichloroethene
 Concen: 4.867 ug/L
 RT: 3.38 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Tgt Ion: 96 Resp: 116949
 Ion Ratio Lower Upper
 96 100
 61 156.0 106.7 198.3
 98 63.3 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

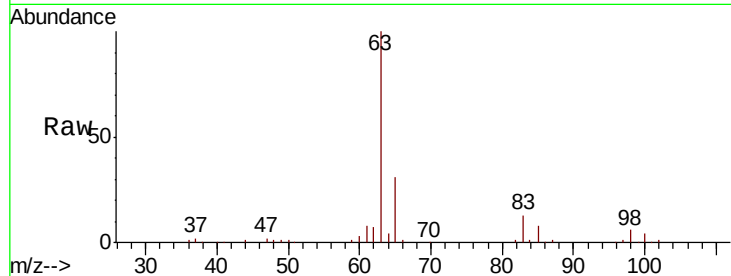




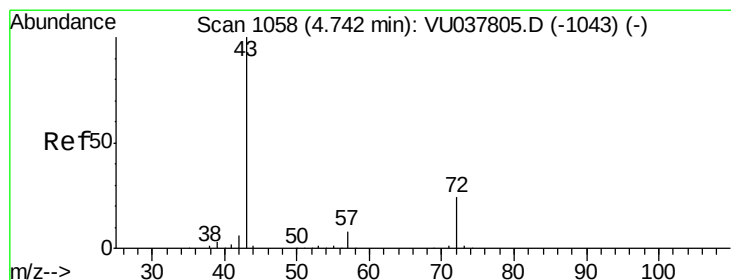
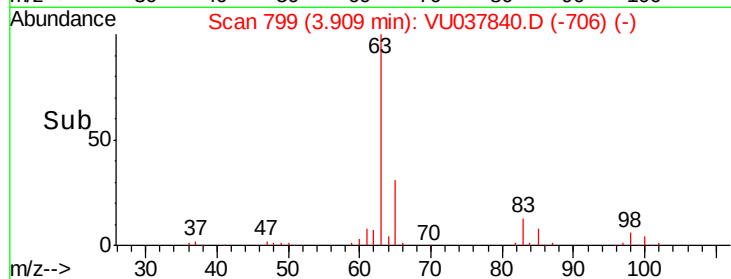
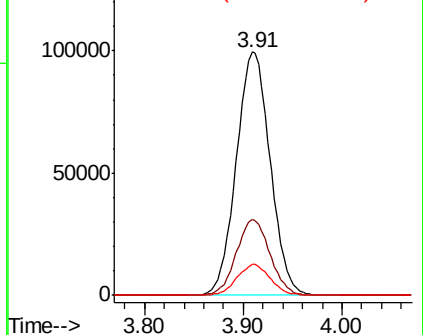
#19
 1,1-Dichloroethane
 Concen: 5.100 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 237018
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.6 40.2
 83 12.6 8.6 16.0

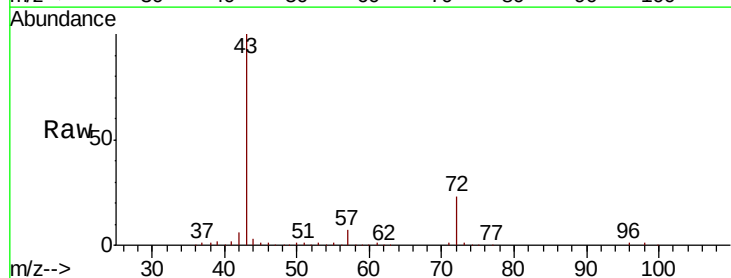


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

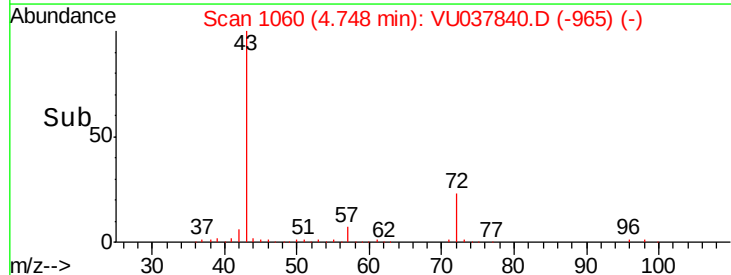
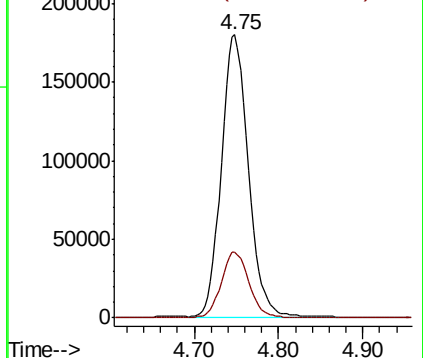


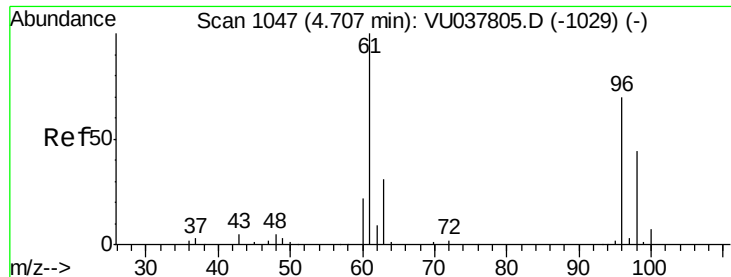
#21
 2-Butanone
 Concen: 49.866 ug/L
 RT: 4.75 min Scan# 1060
 Delta R.T. 0.01 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Tgt Ion: 43 Resp: 398705
 Ion Ratio Lower Upper
 43 100
 72 24.4 12.6 37.6



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: 4.921 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037840.D

Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_U
ClientSampled :

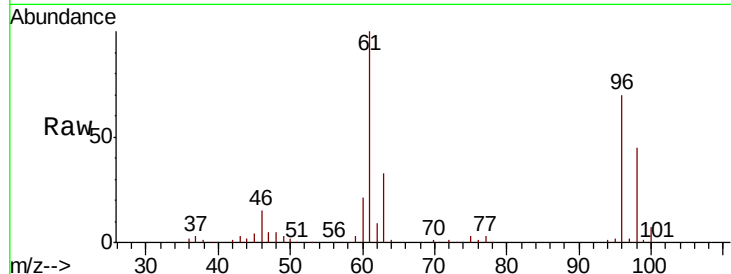
Tot Ion: 96 Resp: 127764

Ion Ratio Lower Upper

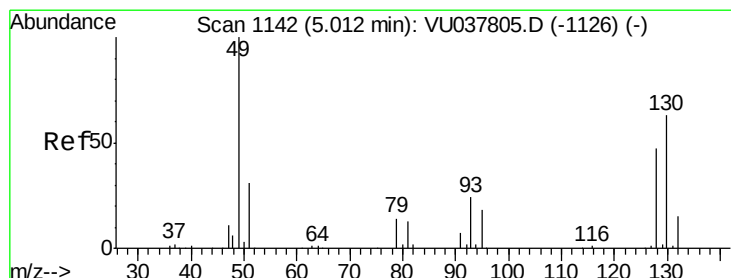
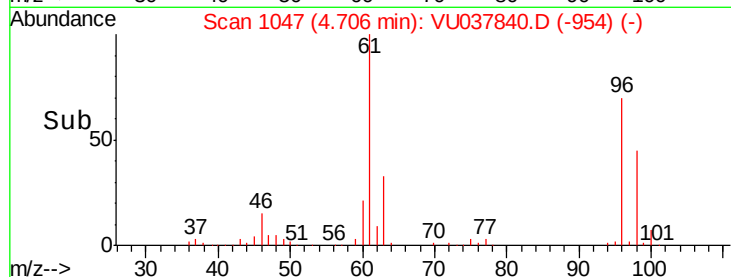
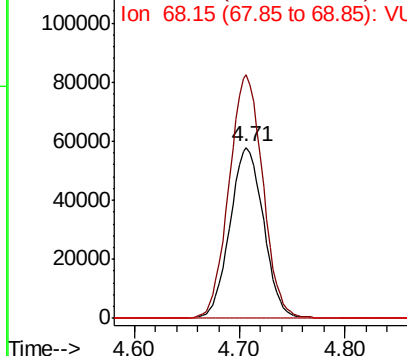
96 100

61 142.5 97.0 180.2

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: 4.751 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037840.D

Acq: 22 Apr 2020 10:21

Tgt Ion: 128 Resp: 52280

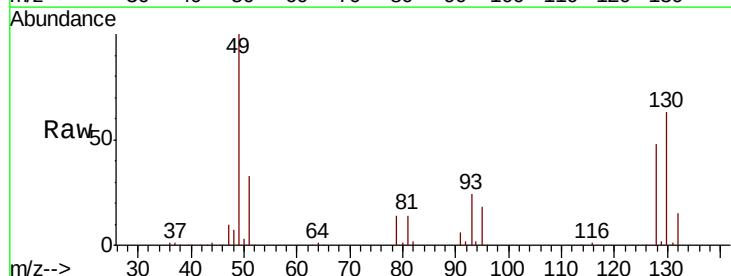
Ion Ratio Lower Upper

128 100

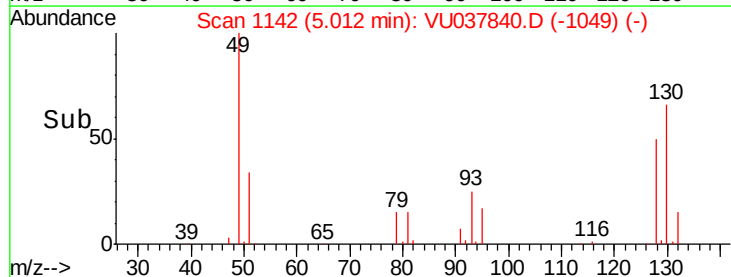
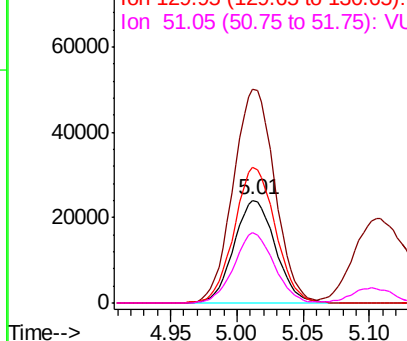
49 208.4 138.6 257.4

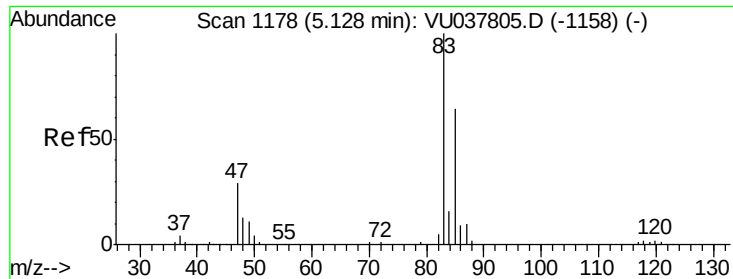
130 132.1 91.3 169.5

51 68.6 49.3 73.9



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

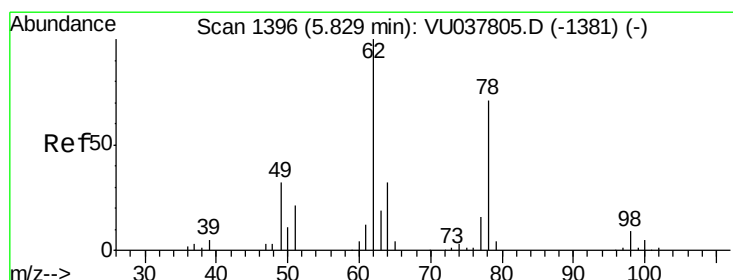
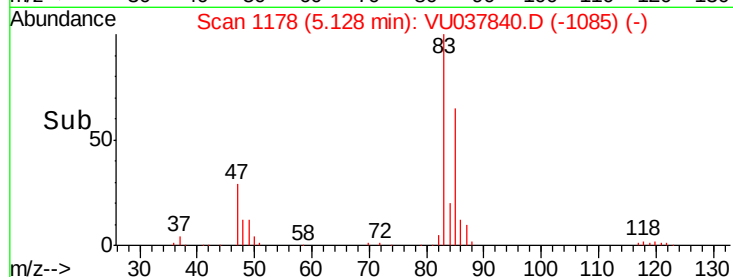
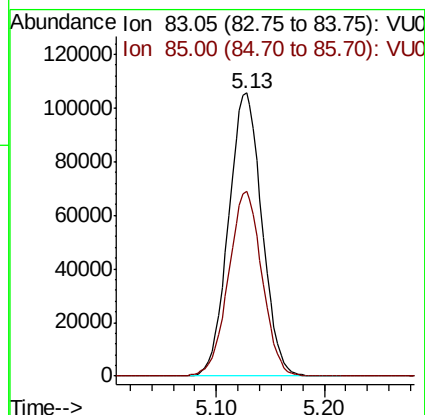
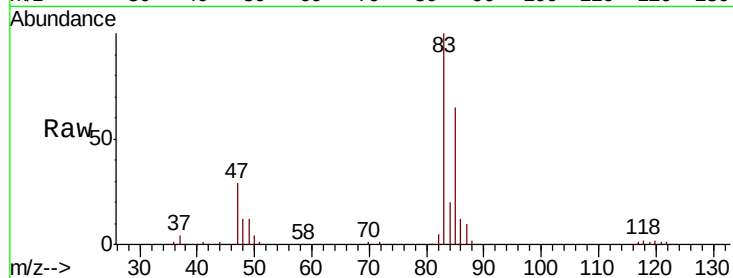




#25
Chloroform
Concen: 5.157 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037840.D
Acq: 22 Apr 2020 10:21

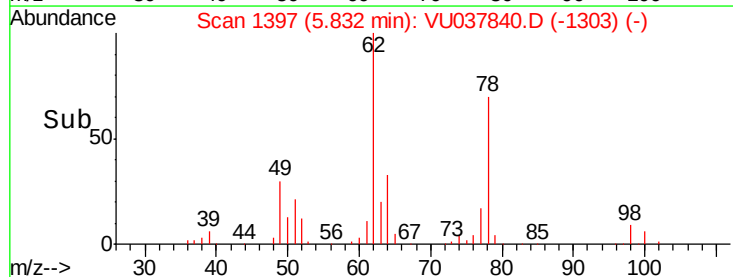
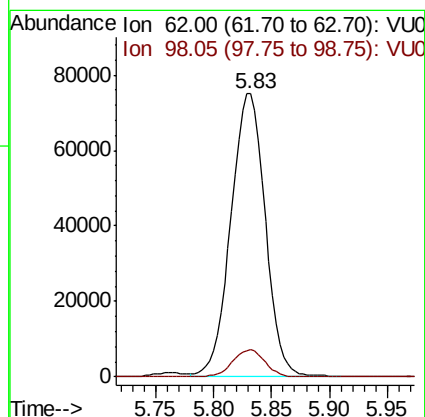
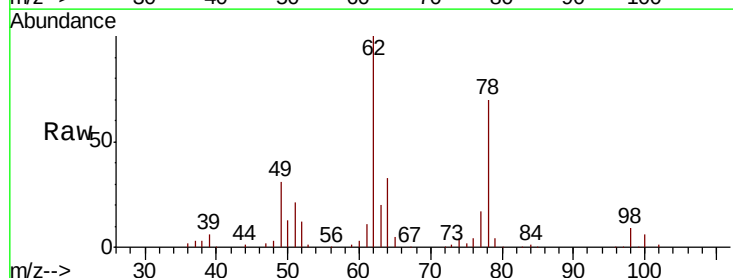
Instrument :
MSVOA_U
ClientSampled :

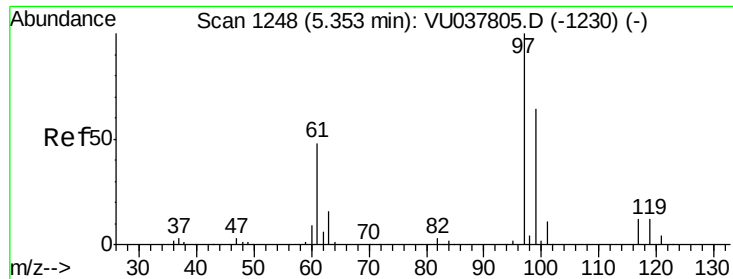
Tot Ion: 83 Resp: 227678
Ion Ratio Lower Upper
83 100
85 65.2 44.9 83.3



#27
1,2-Dichloroethane
Concen: 5.174 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037840.D
Acq: 22 Apr 2020 10:21

Tgt Ion: 62 Resp: 154404
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4

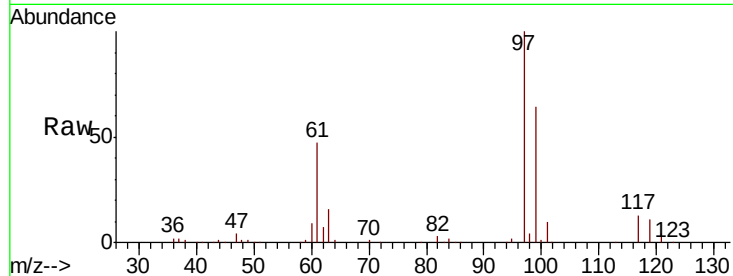




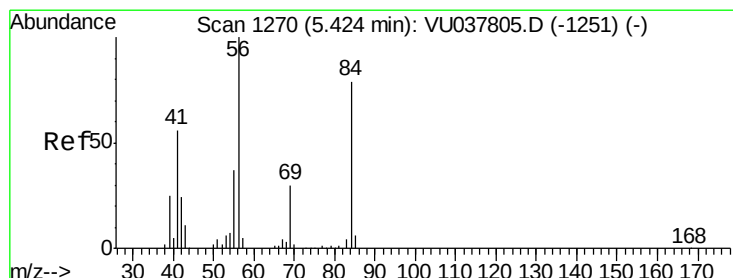
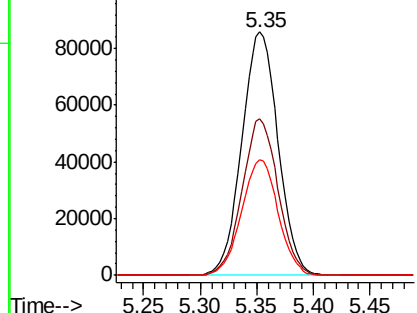
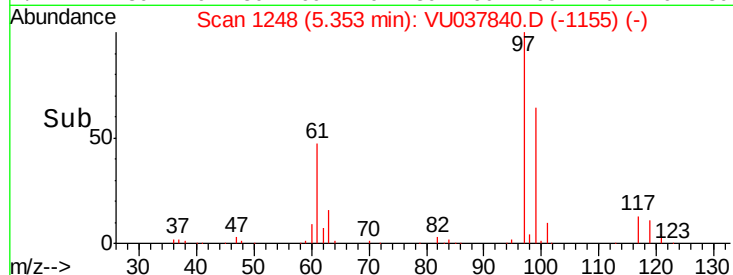
#29
 1,1,1-Trichloroethane
 Concen: 5.111 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 191544
 Ion Ratio Lower Upper
 97 100
 99 63.8 52.0 78.0
 61 48.1 37.8 56.8

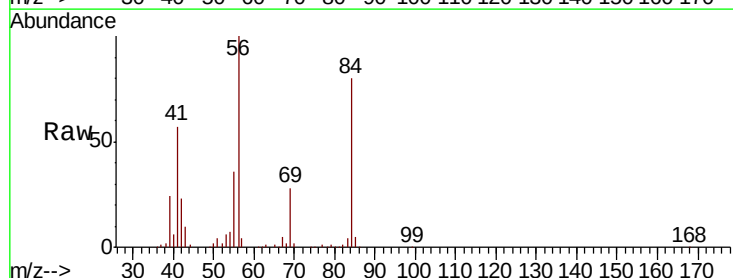


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

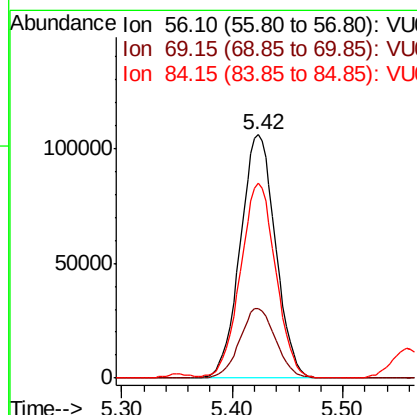
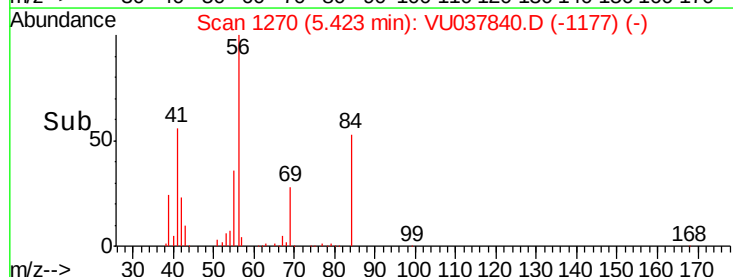


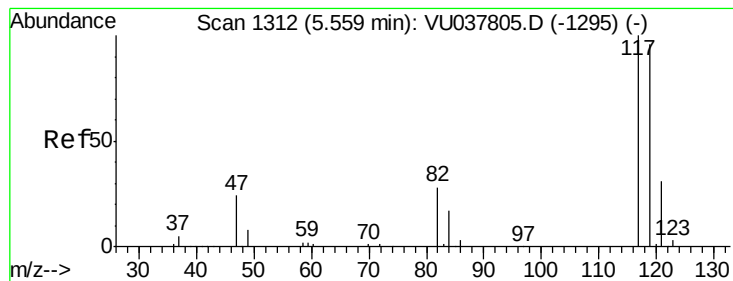
#30
 Cyclohexane
 Concen: 5.056 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Tgt Ion: 56 Resp: 234501
 Ion Ratio Lower Upper
 56 100
 69 29.3 23.9 35.9
 84 80.6 65.6 98.4



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





#31

Carbon tetrachloride

Concen: 5.204 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037840.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_U

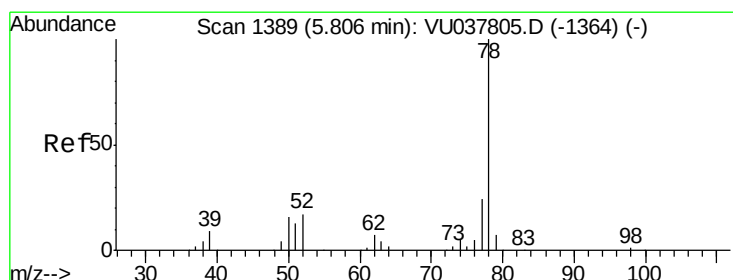
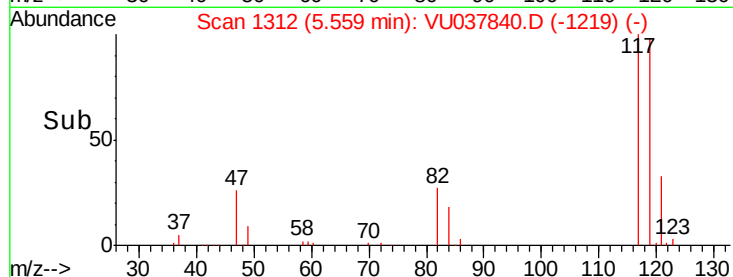
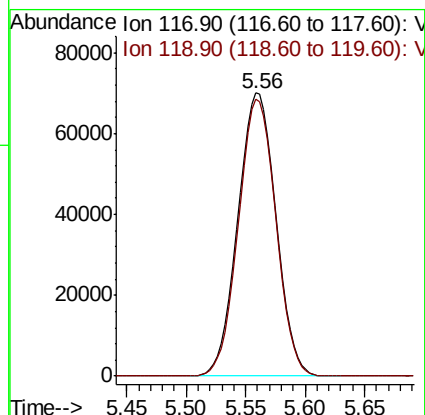
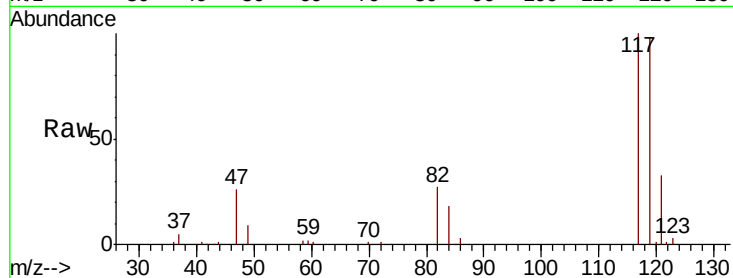
ClientSampleId :

Tot Ion:117 Resp: 155410

Ion Ratio Lower Upper

117 100

119 96.2 77.4 116.0



#33

Benzene

Concen: 4.976 ug/L

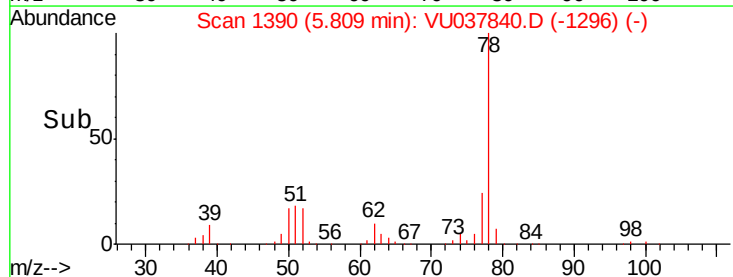
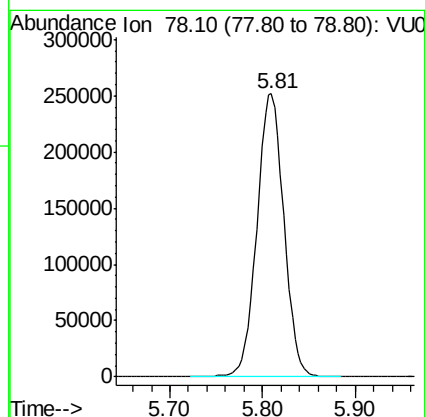
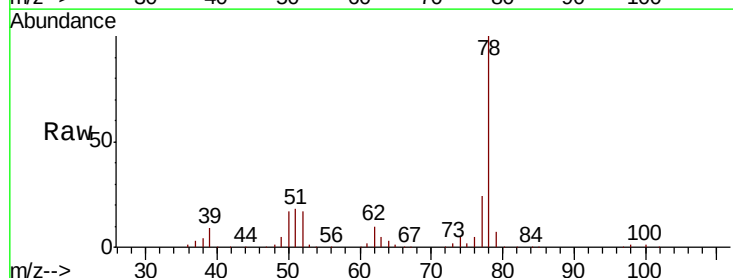
RT: 5.81 min Scan# 1390

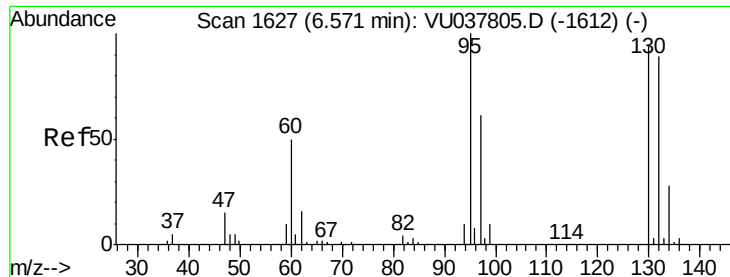
Delta R.T. 0.00 min

Lab File: VU037840.D

Acq: 22 Apr 2020 10:21

Tgt Ion: 78 Resp: 507800

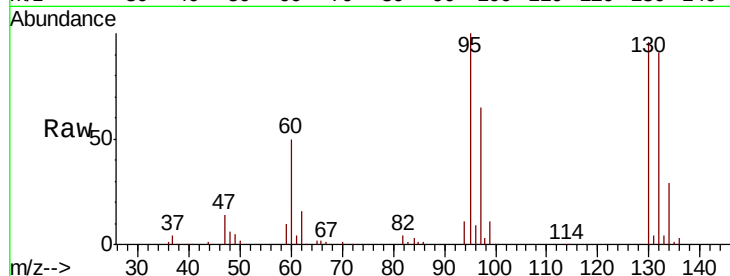




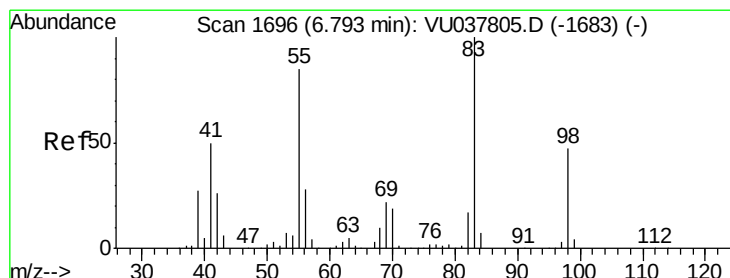
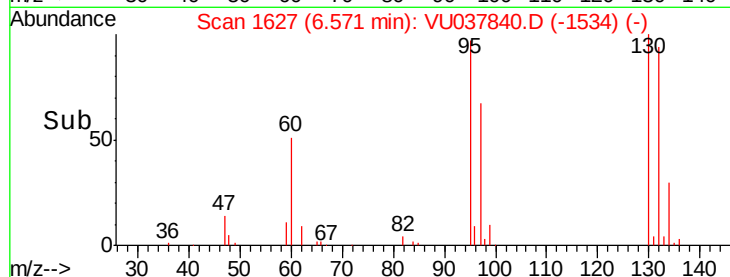
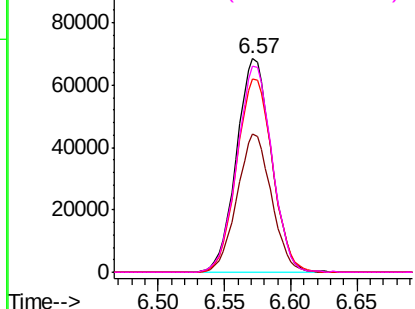
#34
 Trichloroethene
 Concen: 4.998 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 125347
 Ion Ratio Lower Upper
 95 100
 97 64.7 45.4 84.2
 132 90.5 63.7 118.3
 130 96.4 68.7 127.5

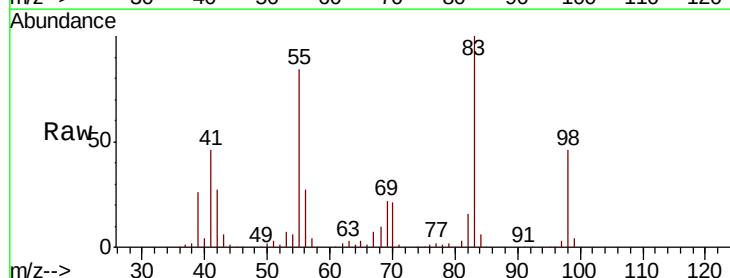


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

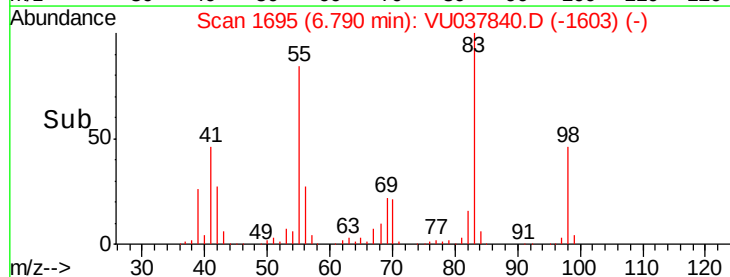
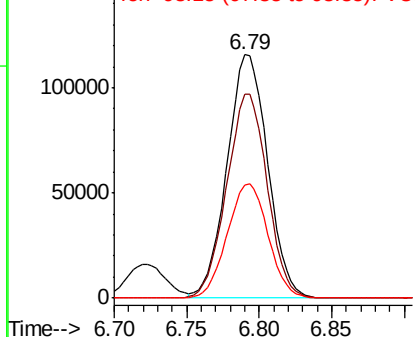


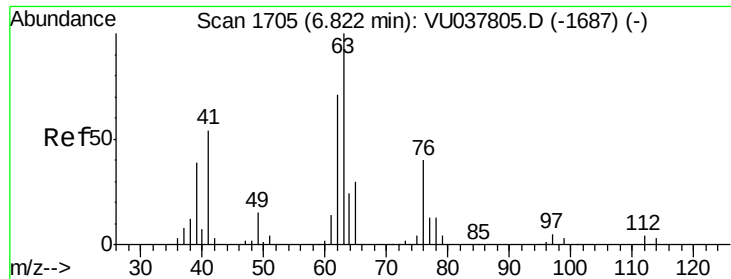
#35
 Methylcyclohexane
 Concen: 5.113 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Tgt Ion: 83 Resp: 224726
 Ion Ratio Lower Upper
 83 100
 55 83.4 65.5 98.3
 98 47.4 38.2 57.4



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

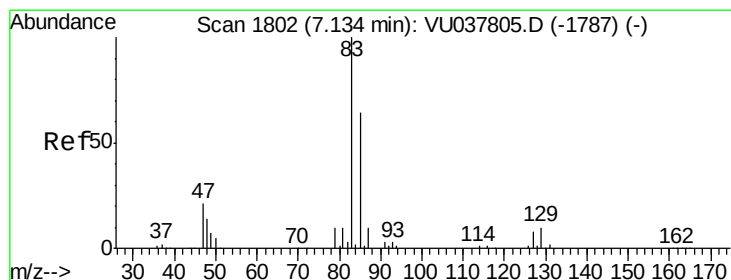
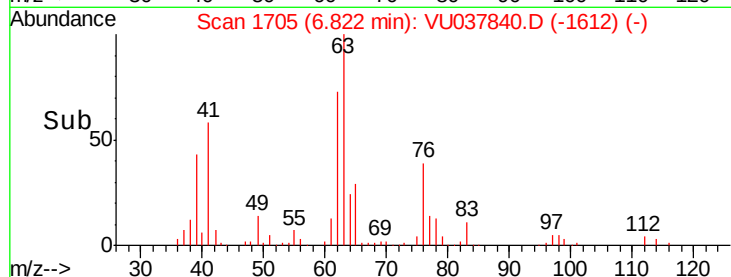
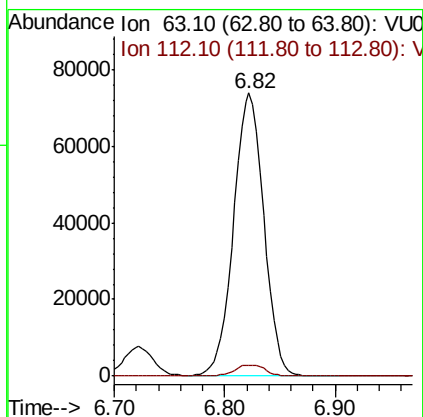
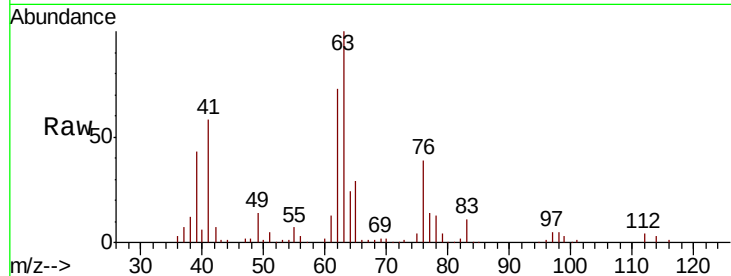




#37
 1,2-Dichloropropane
 Concen: 5.196 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

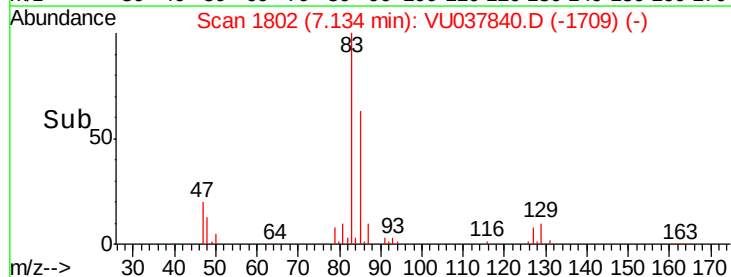
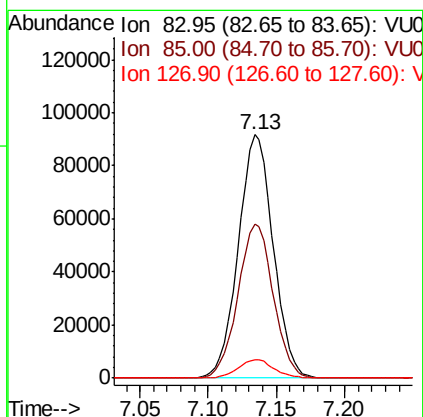
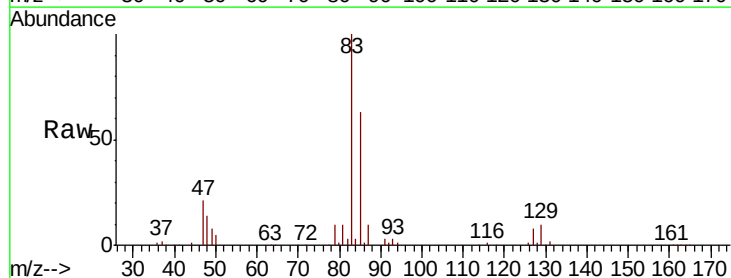
Instrument :
 MSVOA_U
 ClientSampled :

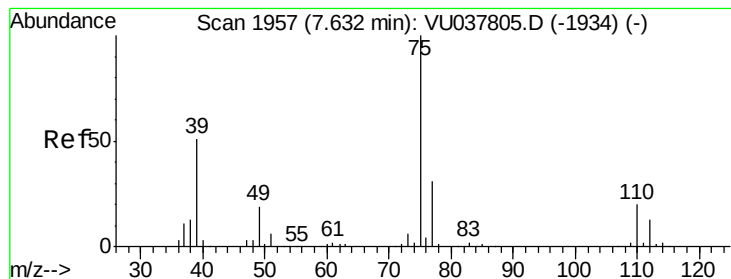
Tot Ion: 63 Resp: 140614
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.4 5.0



#38
 Bromodichloromethane
 Concen: 5.066 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Tgt Ion: 83 Resp: 163030
 Ion Ratio Lower Upper
 83 100
 85 63.0 45.1 83.7
 127 7.6 6.6 9.8



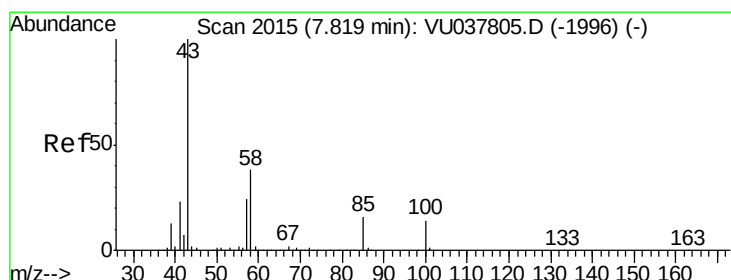
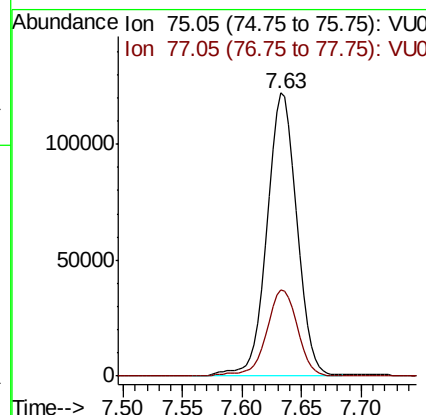
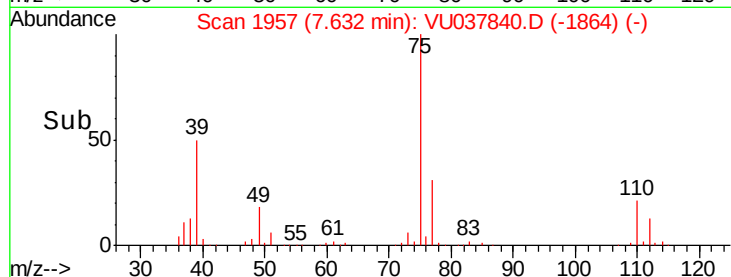
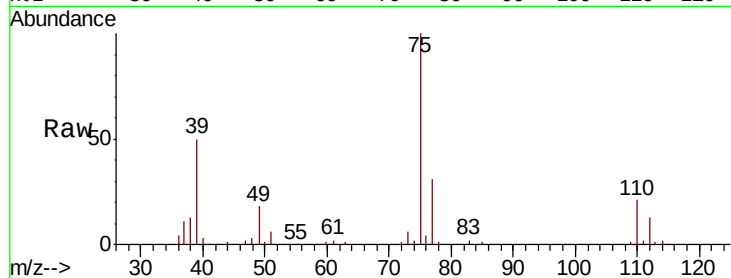


#39

cis-1,3-Dichloropropene
 Concen: 5.031 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Instrument :
 MSVOA_U
 ClientSampled :

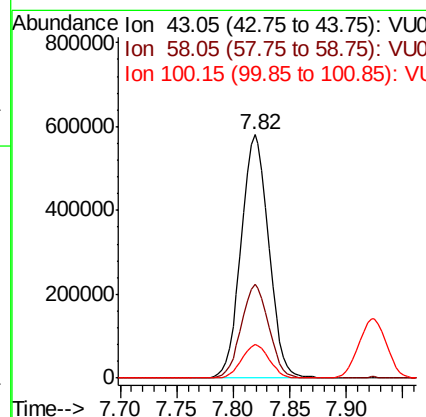
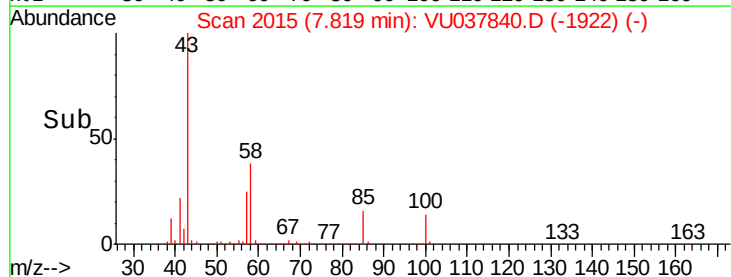
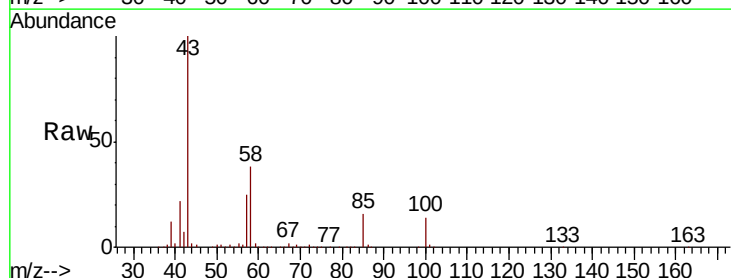
Tot Ion: 75 Resp: 213113
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.2 41.2

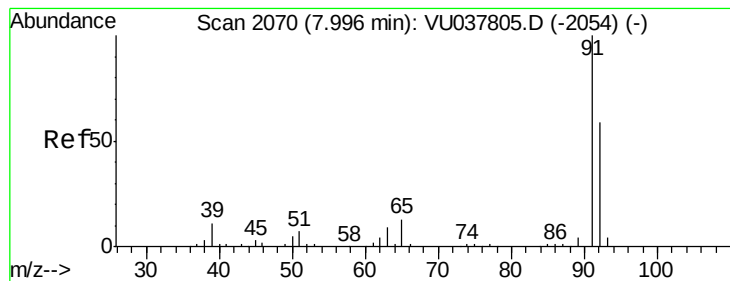


#40

4-Methyl-2-pentanone
 Concen: 49.764 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Tgt Ion: 43 Resp: 990097
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.3 46.9
 100 13.8 11.5 17.3





#42

Toluene

Concen: 5.004 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037840.D

Acq: 22 Apr 2020 10:21

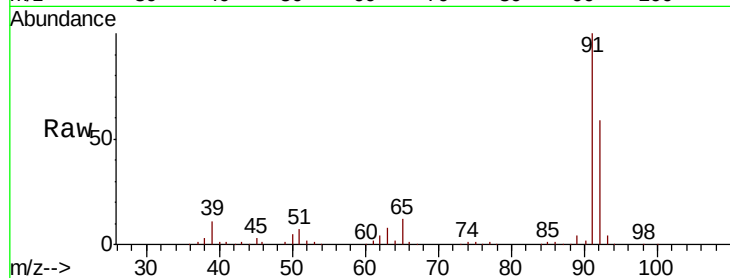
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 534831

Ion Ratio Lower Upper

91 100

92 58.6 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VU037805.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU037805.D (-2054) (-)

8.00

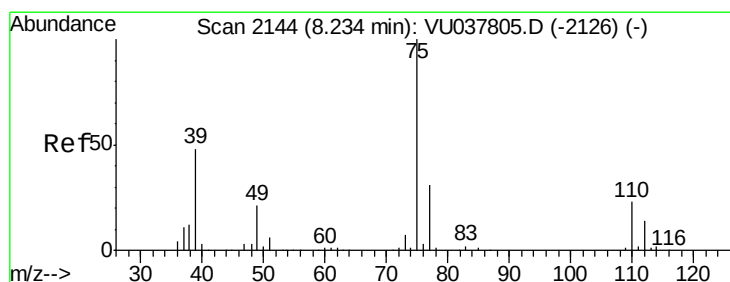
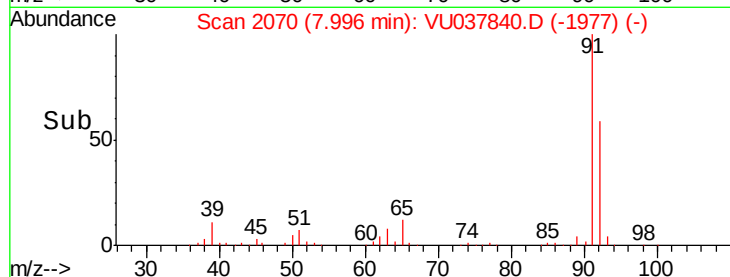
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.987 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037840.D

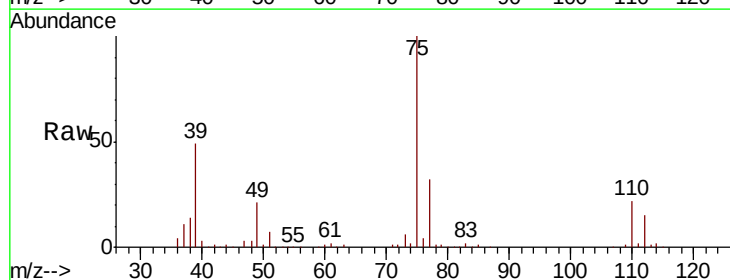
Acq: 22 Apr 2020 10:21

Tgt Ion: 75 Resp: 183396

Ion Ratio Lower Upper

75 100

77 31.8 21.4 39.8



Abundance Ion 75.05 (74.75 to 75.75): VU037805.D (-2126) (-)

Ion 77.05 (76.75 to 77.75): VU037805.D (-2126) (-)

8.23

120000

100000

80000

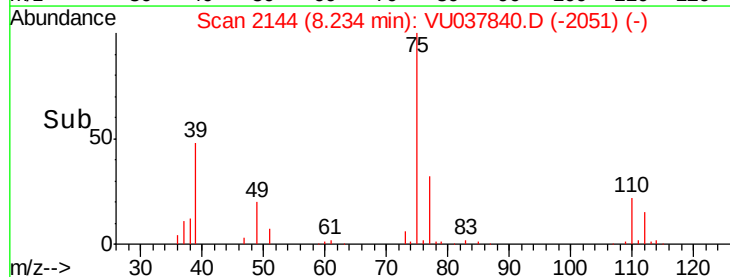
60000

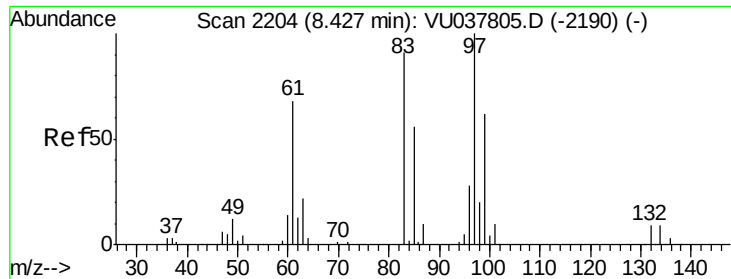
40000

20000

0

Time-->

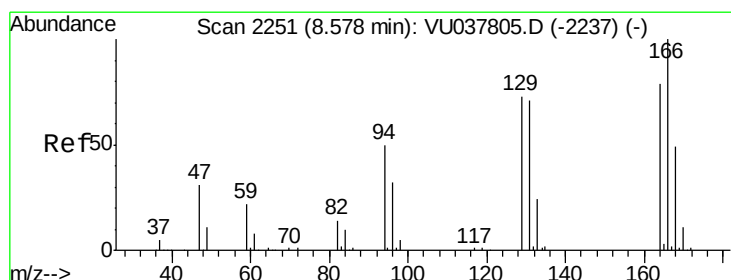
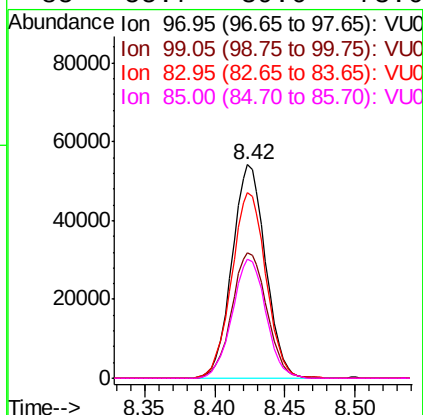
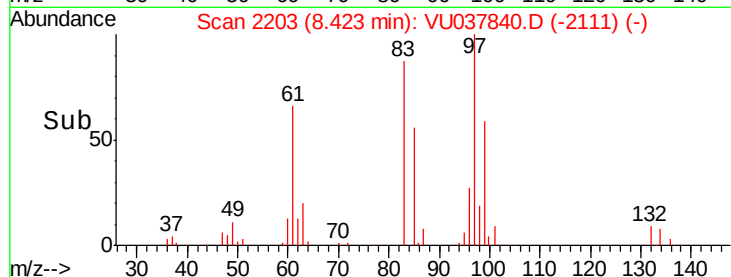
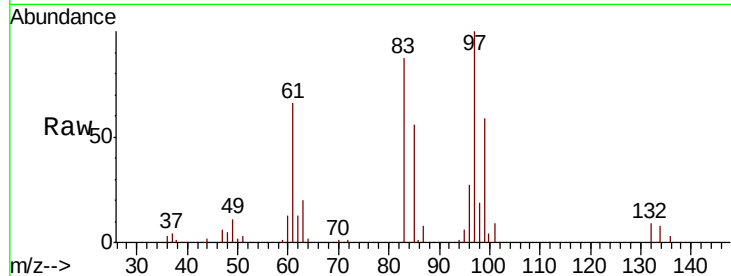




#45
 1,1,2-Trichloroethane
 Concen: 4.944 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

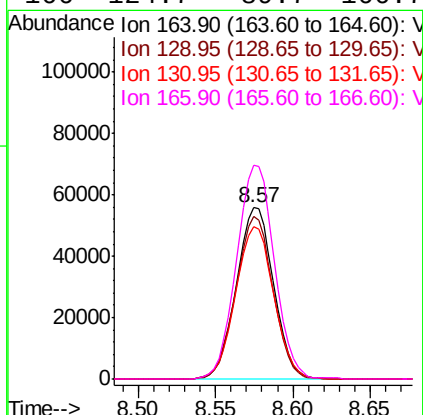
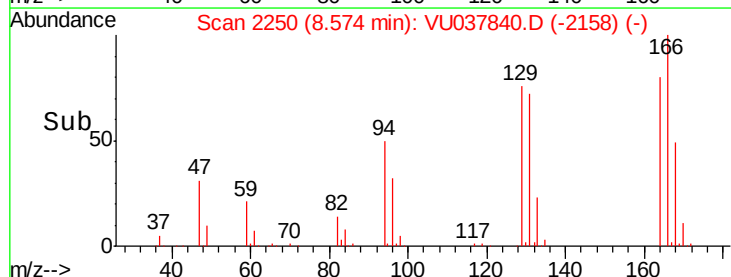
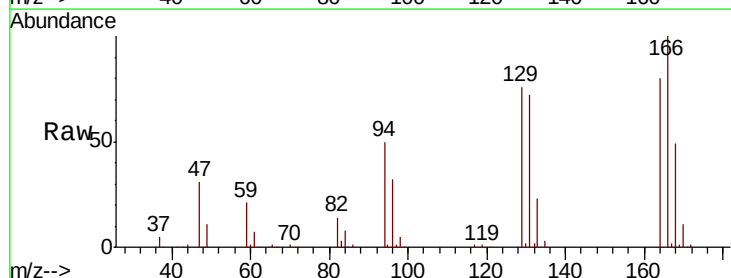
Instrument :
 MSVOA_U
 ClientSampleId :

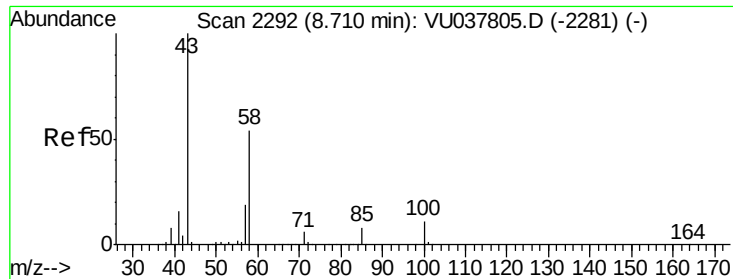
Tot Ion:	97	Resp:	90158
Ion	Ratio	Lower	Upper
97	100		
99	58.8	43.1	80.1
83	87.2	62.4	116.0
85	55.7	39.6	73.6



#47
 Tetrachloroethene
 Concen: 5.170 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Tgt Ion:	164	Resp:	93168
Ion	Ratio	Lower	Upper
164	100		
129	94.7	68.1	126.5
131	89.3	65.9	122.5
166	124.7	89.7	166.7

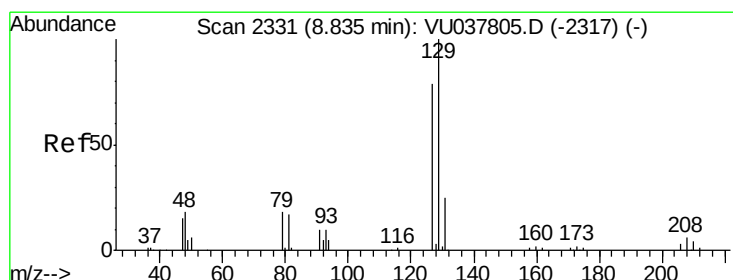
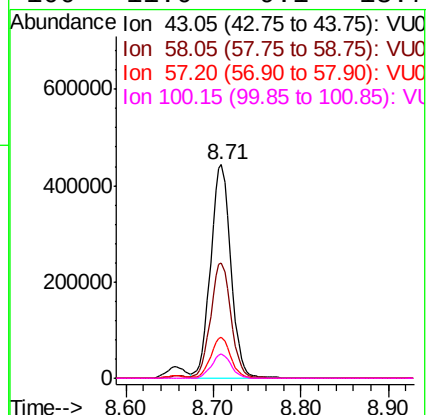
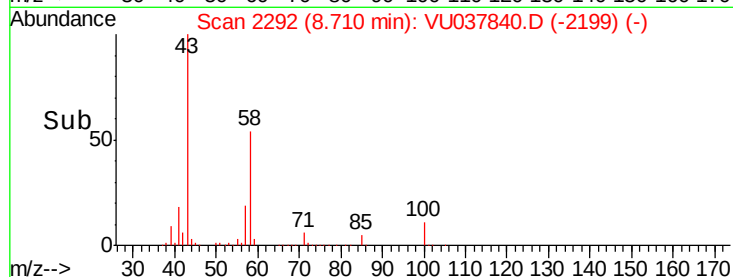
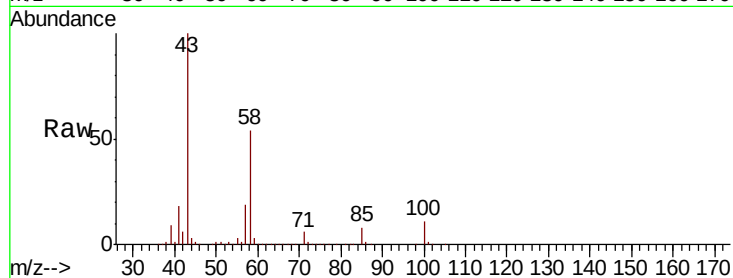




#48
2-Hexanone
Concen: 49.997 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU037840.D
Acq: 22 Apr 2020 10:21

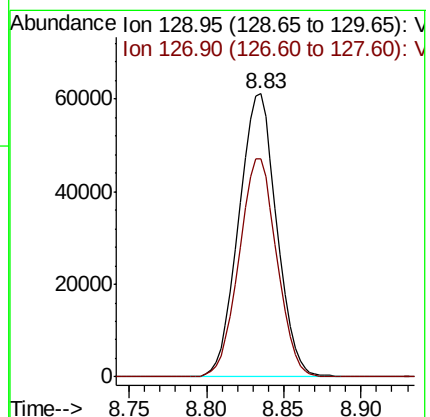
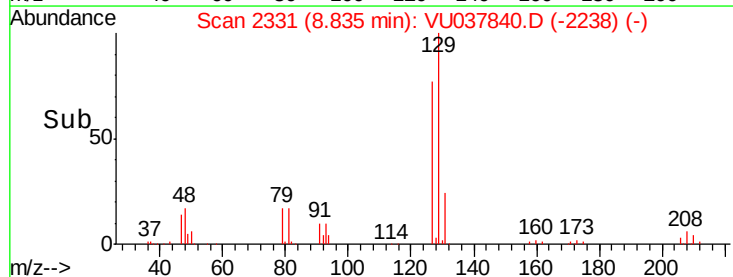
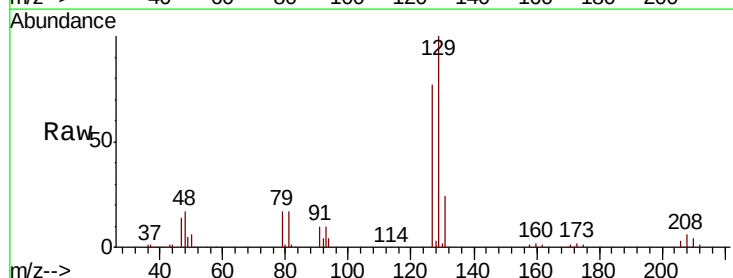
Instrument :
MSVOA_U
ClientSampleId :

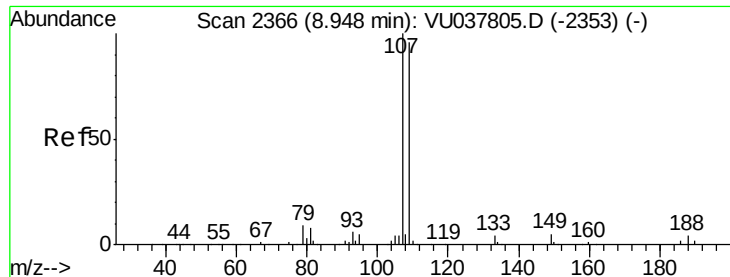
Tot Ion: 43 Resp: 712211
Ion Ratio Lower Upper
43 100
58 54.0 43.6 65.4
57 19.0 15.4 23.0
100 11.0 9.1 13.7



#49
Dibromochloromethane
Concen: 4.999 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU037840.D
Acq: 22 Apr 2020 10:21

Tgt Ion: 129 Resp: 104182
Ion Ratio Lower Upper
129 100
127 77.0 53.3 98.9

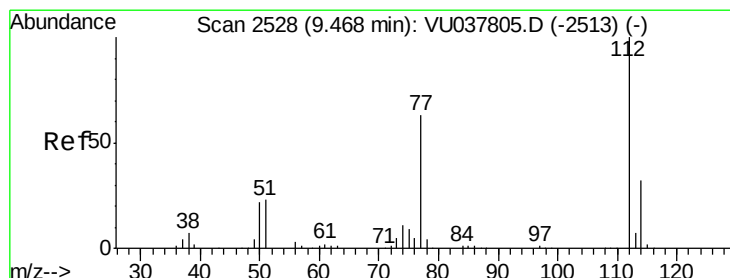
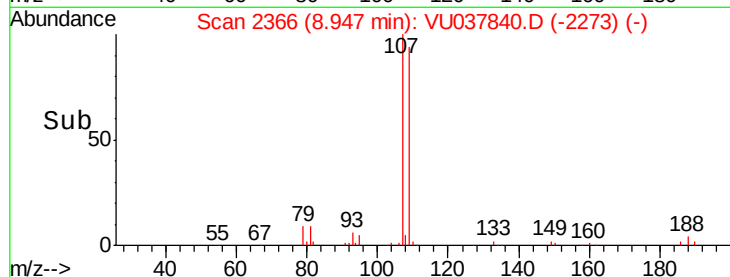
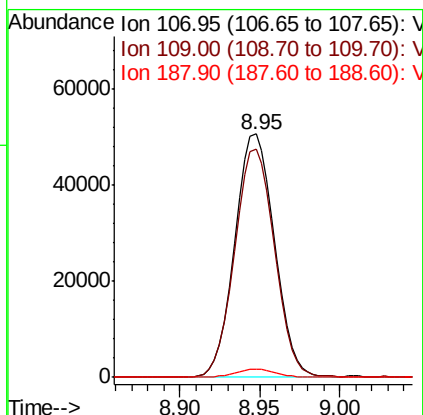
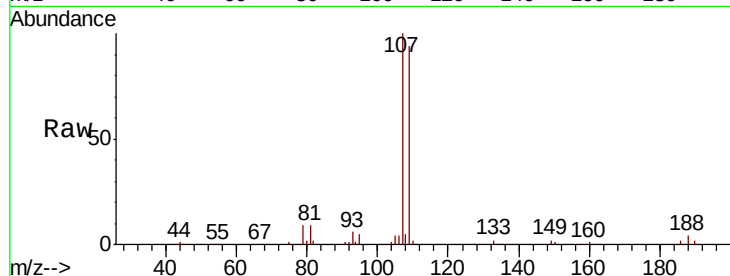




#50
 1,2-Dibromoethane
 Concen: 4.877 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

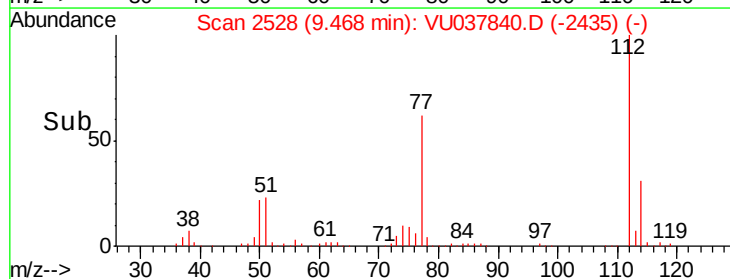
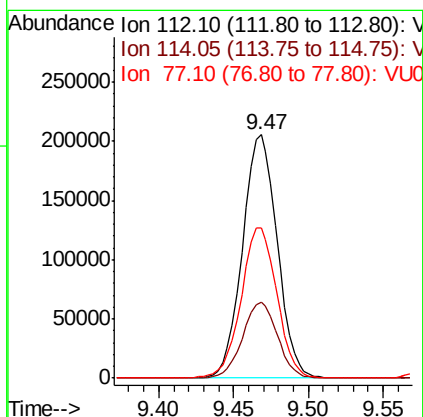
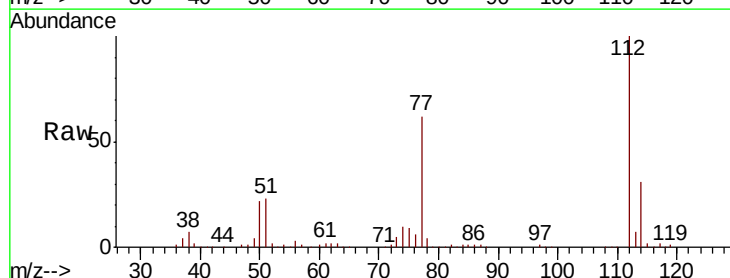
Instrument :
 MSVOA_U
 ClientSampleId :

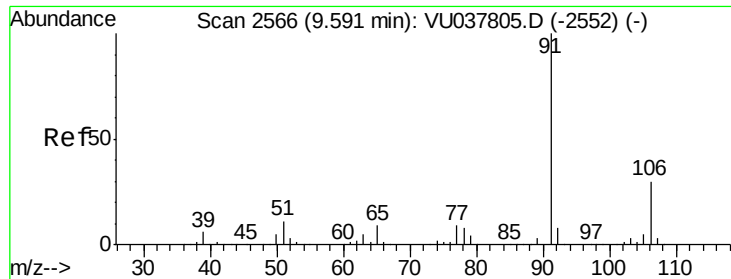
Tot Ion:107 Resp: 85531
 Ion Ratio Lower Upper
 107 100
 109 93.8 66.3 123.1
 188 3.6 2.5 3.7



#51
 Chlorobenzene
 Concen: 5.091 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Tgt Ion:112 Resp: 332016
 Ion Ratio Lower Upper
 112 100
 114 31.3 22.6 42.0
 77 61.7 50.2 75.4





#52

Ethylbenzene

Concen: 5.068 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037840.D

Acq: 22 Apr 2020 10:21

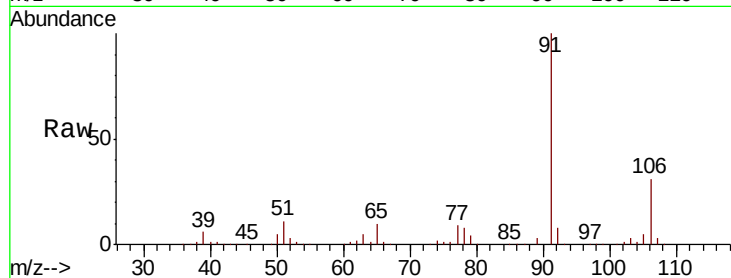
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 602667

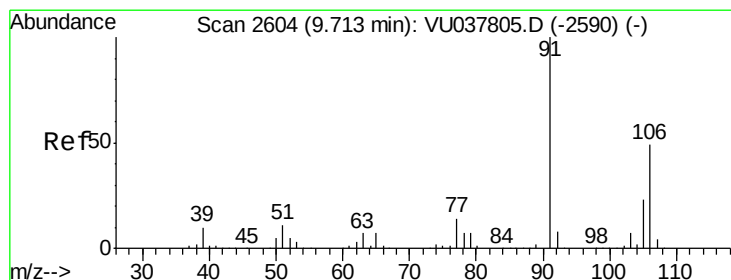
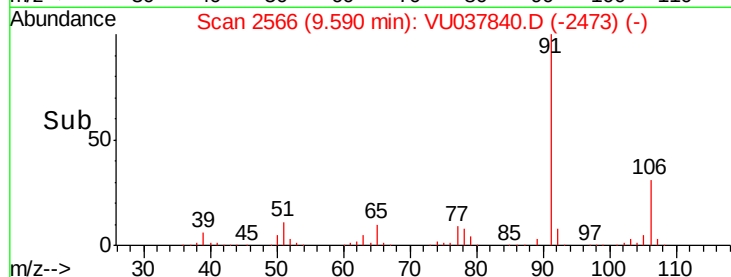
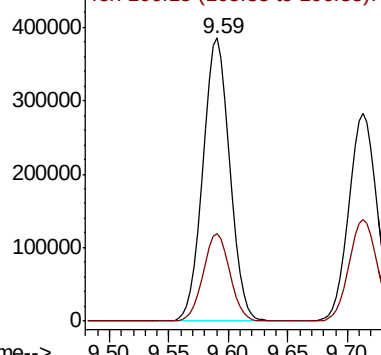
Ion Ratio Lower Upper

91 100

106 30.9 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU037805.D (-2552) (-)



#53

m,p-Xylene

Concen: 5.080 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037840.D

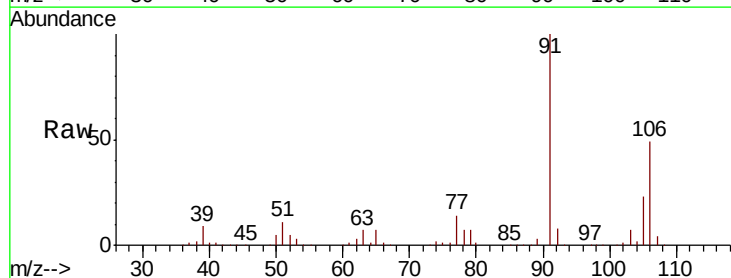
Acq: 22 Apr 2020 10:21

Tgt Ion:106 Resp: 228630

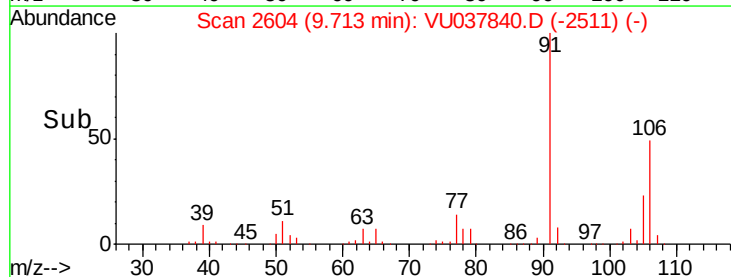
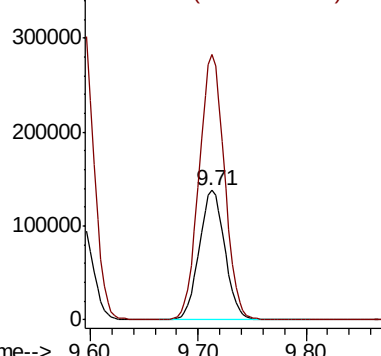
Ion Ratio Lower Upper

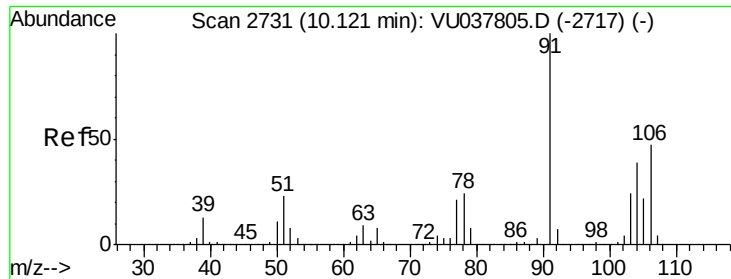
106 100

91 205.2 143.9 267.3



Abundance Ion 106.15 (105.85 to 106.85): VU037805.D (-2590) (-)

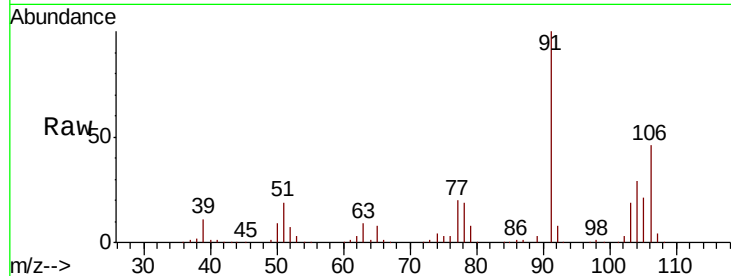




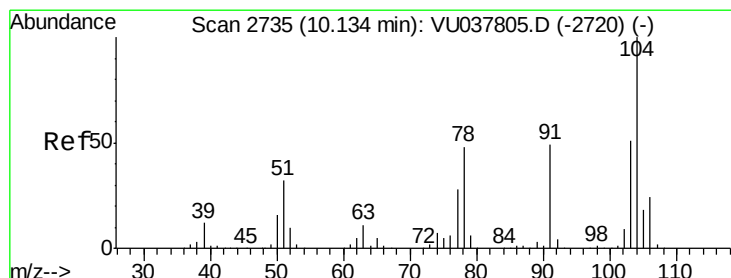
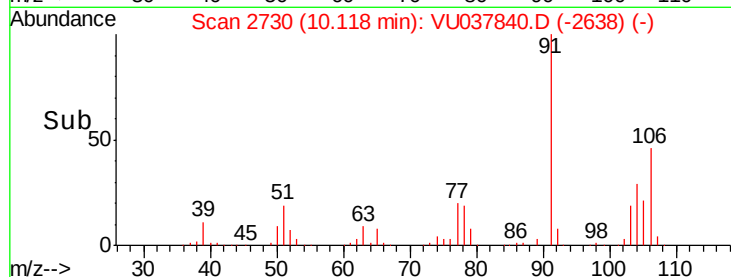
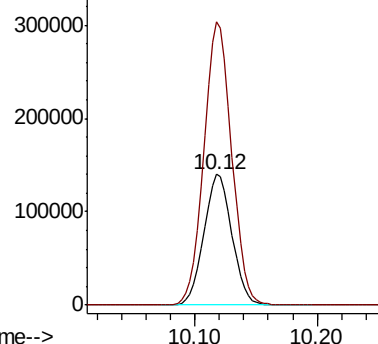
#54
o-Xylene
Concen: 5.065 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037840.D
Acq: 22 Apr 2020 10:21

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 224340
Ion Ratio Lower Upper
106 100
91 217.0 151.1 280.7

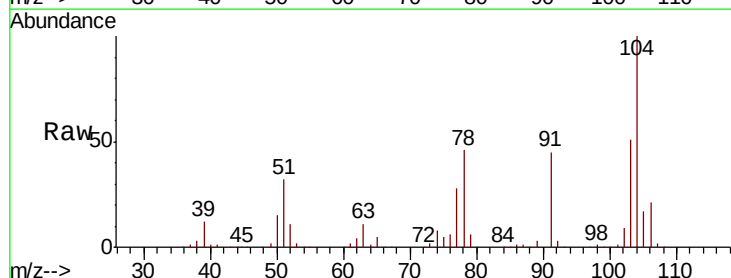


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

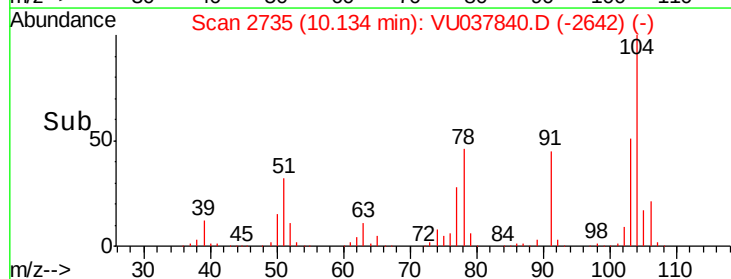
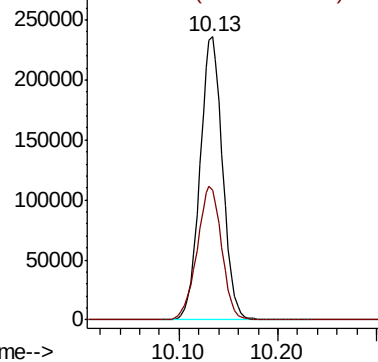


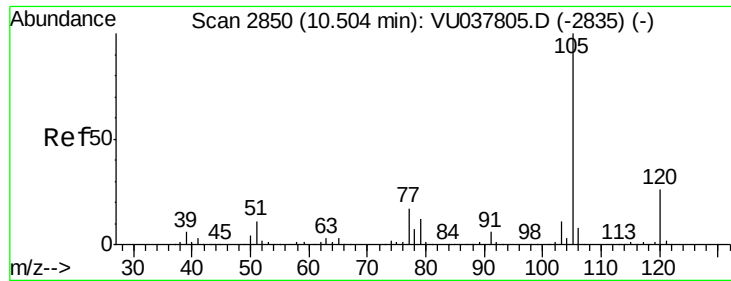
#55
Styrene
Concen: 5.012 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037840.D
Acq: 22 Apr 2020 10:21

Tgt Ion:104 Resp: 379519
Ion Ratio Lower Upper
104 100
78 45.8 32.5 60.3



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





#56

Isopropylbenzene

Concen: 5.124 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037840.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_U

ClientSampled :

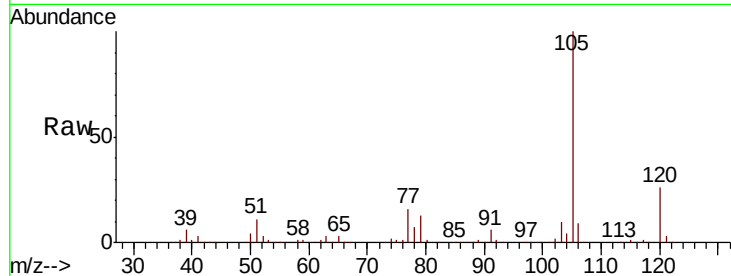
Tot Ion:105 Resp: 595401

Ion Ratio Lower Upper

105 100

120 26.2 20.6 31.0

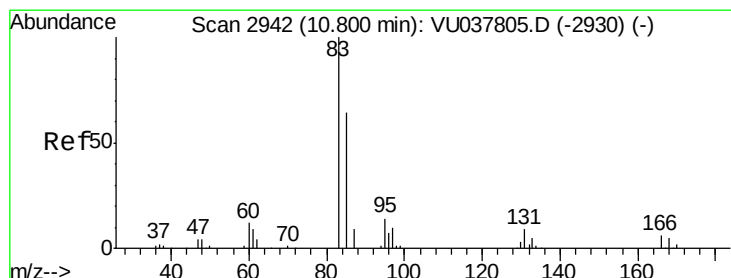
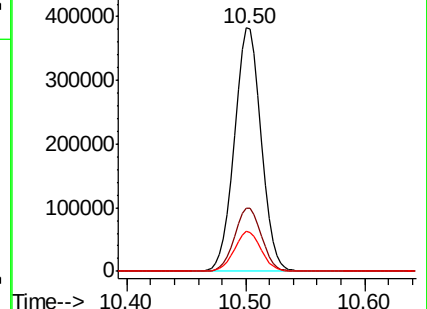
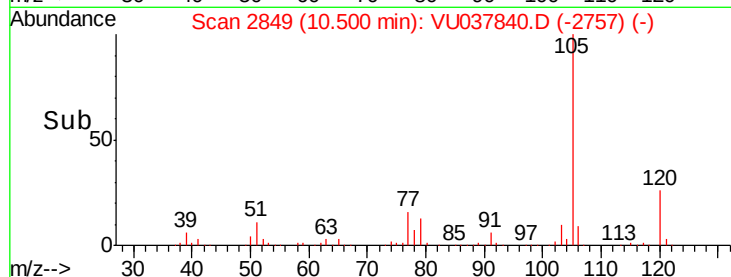
77 16.4 13.2 19.8



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: 4.948 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037840.D

Acq: 22 Apr 2020 10:21

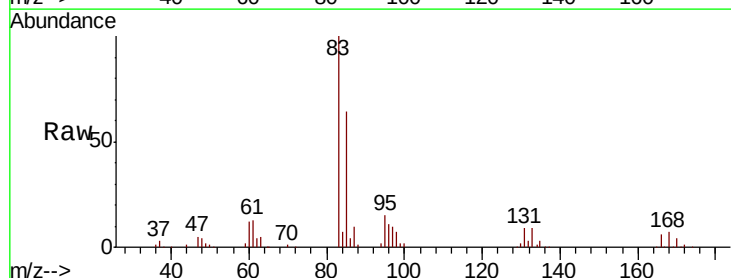
Tgt Ion: 83 Resp: 117463

Ion Ratio Lower Upper

83 100

85 64.2 45.3 84.1

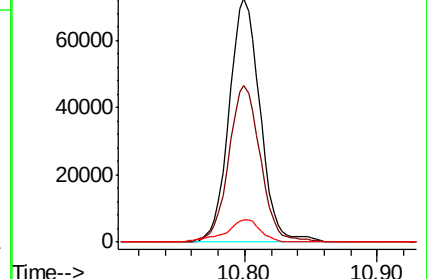
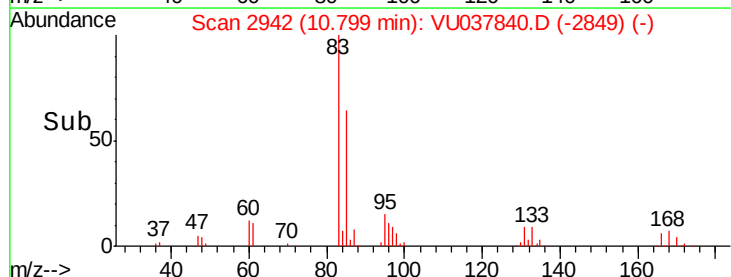
131 9.1 7.4 11.2

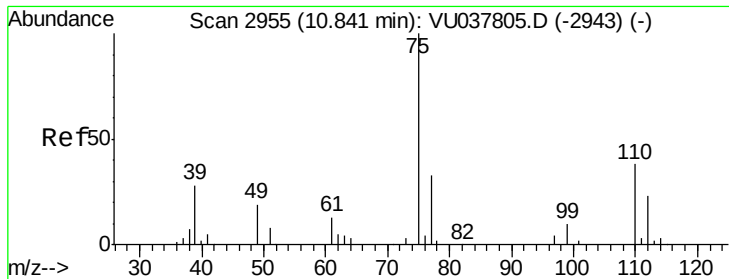


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

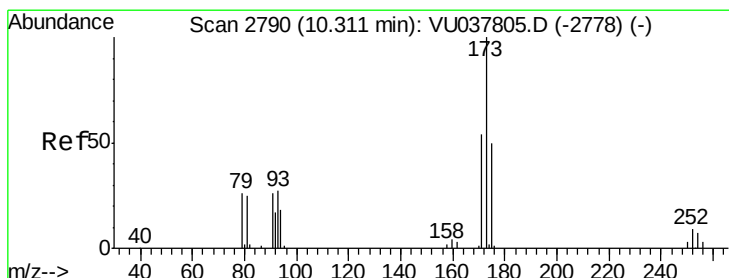
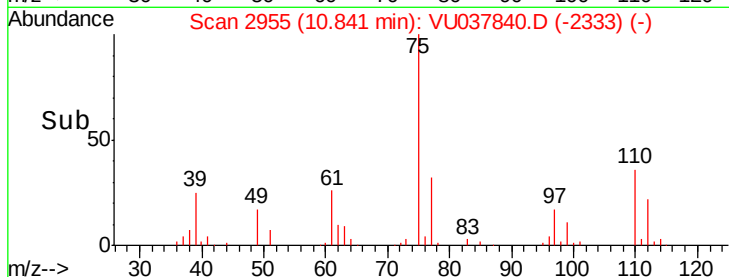
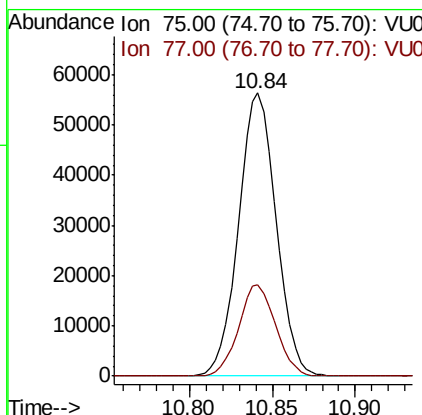
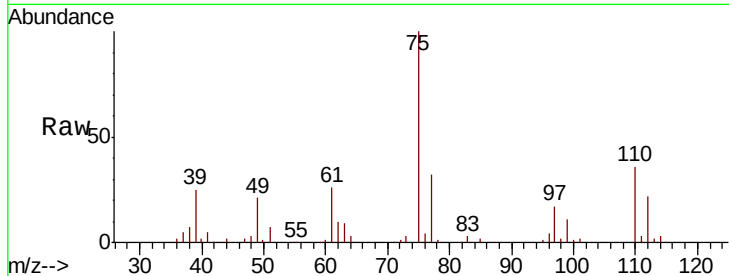




#59
 1,2,3-Trichloropropane
 Concen: 5.013 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

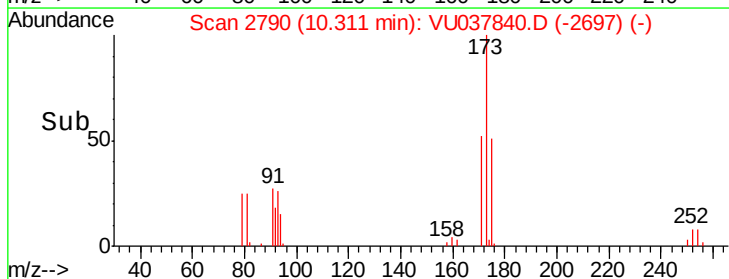
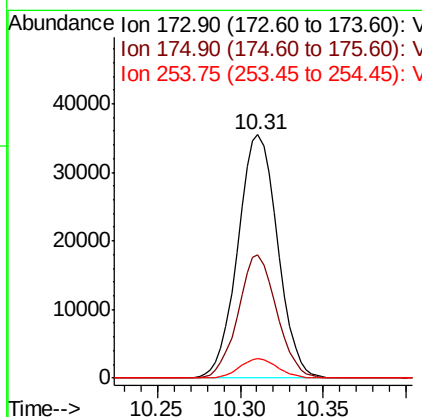
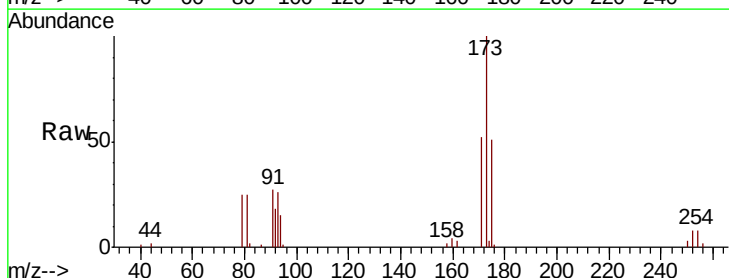
Instrument :
 MSVOA_U
 ClientSampleId :

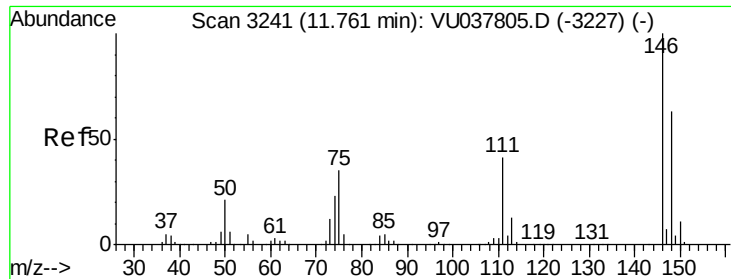
Tot Ion: 75 Resp: 88789
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.2



#61
 Bromoform
 Concen: 4.676 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Tgt Ion: 173 Resp: 59196
 Ion Ratio Lower Upper
 173 100
 175 49.0 37.6 56.4
 254 7.7 5.8 8.8

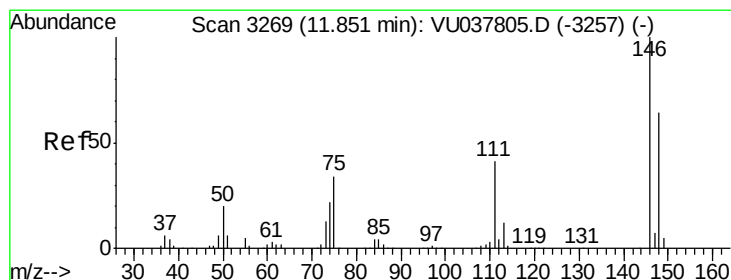
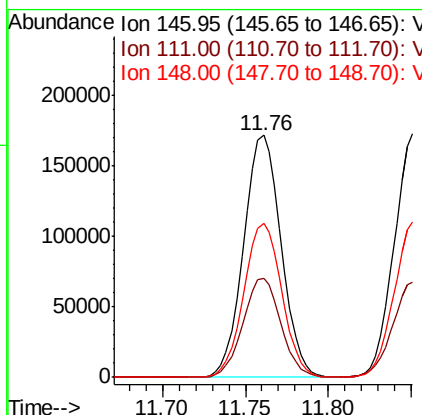
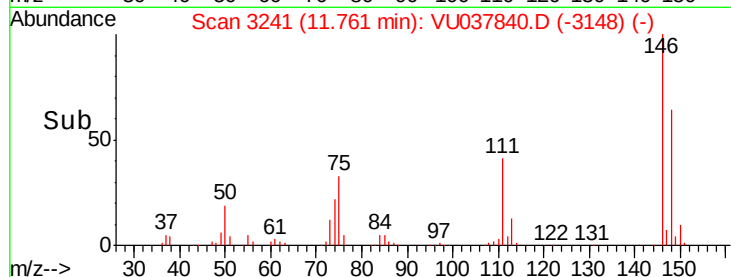
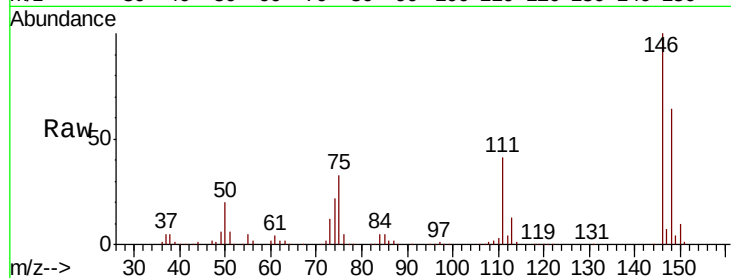




#62
 1,3-Dichlorobenzene
 Concen: 5.045 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

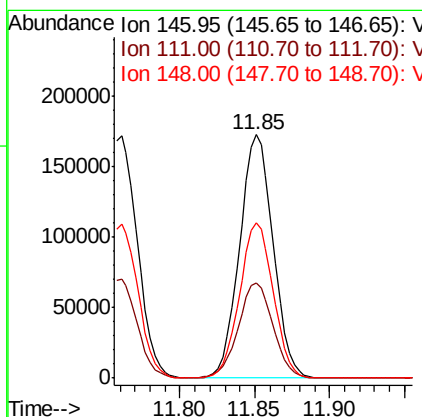
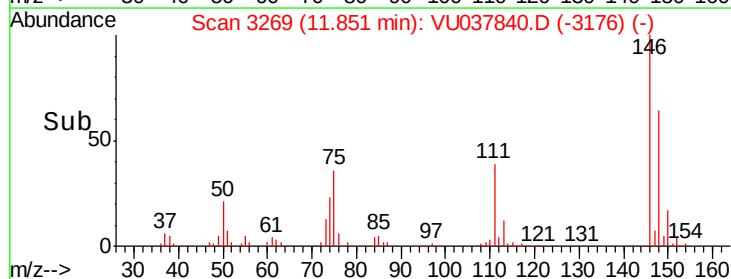
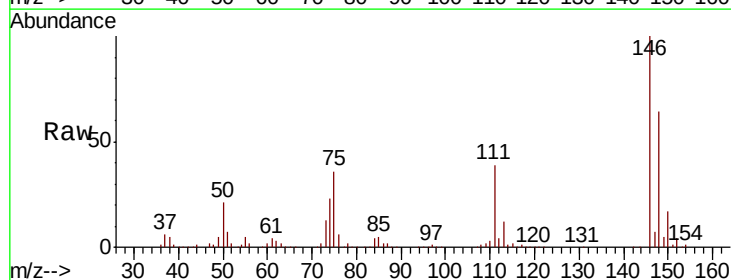
Instrument :
 MSVOA_U
 ClientSampled :

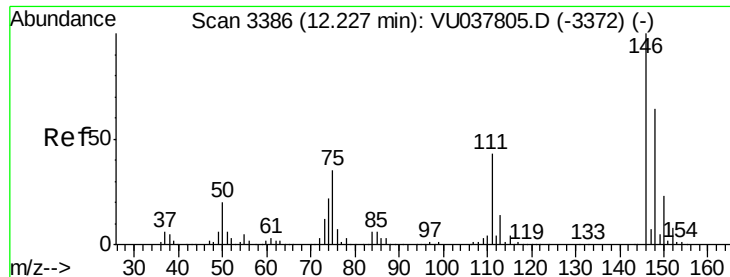
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	29.8	55.3
148	63.5	44.5	82.7



#63
 1,4-Dichlorobenzene
 Concen: 5.020 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	28.4	52.8
148	63.8	44.9	83.3

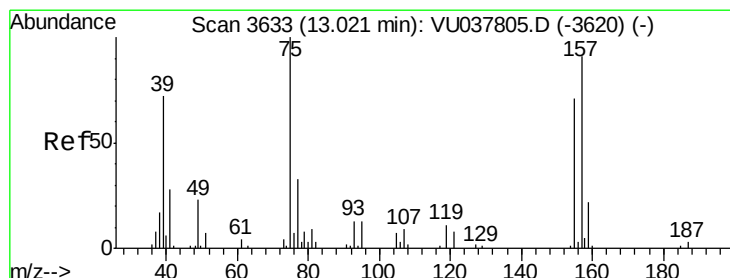
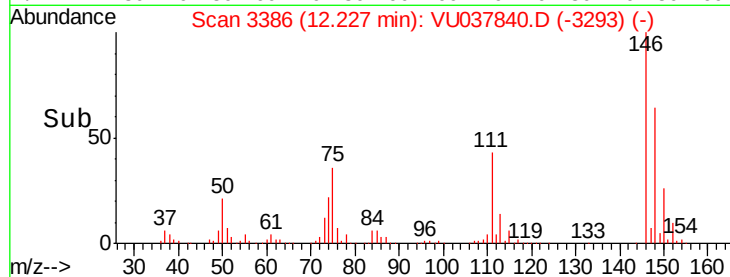
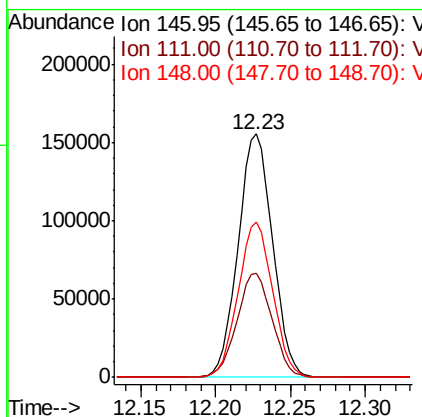
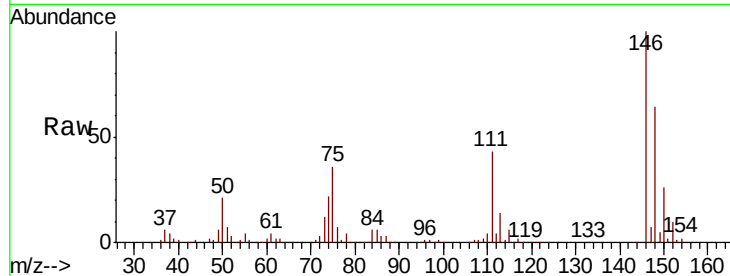




#65
 1,2-Dichlorobenzene
 Concen: 4.966 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

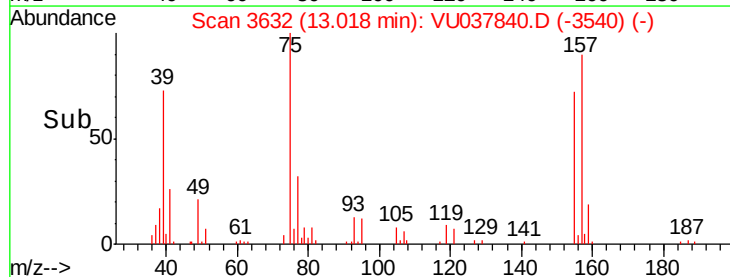
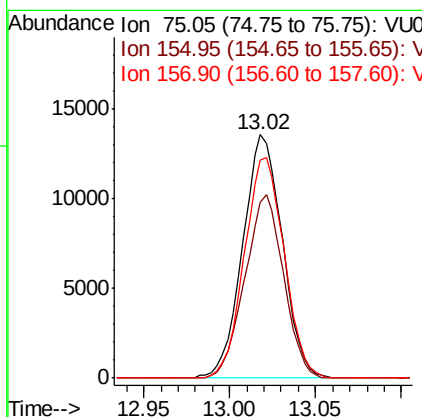
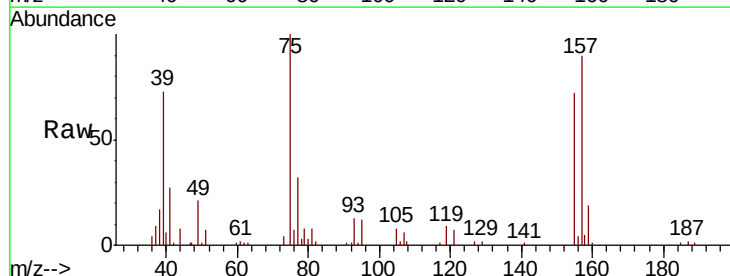
Instrument :
 MSVOA_U
 ClientSampled :

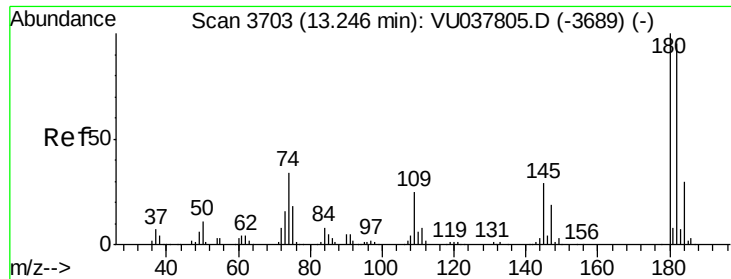
Tot Ion:146 Resp: 249481
 Ion Ratio Lower Upper
 146 100
 111 42.5 35.0 52.6
 148 63.6 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.652 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Tgt Ion: 75 Resp: 21662
 Ion Ratio Lower Upper
 75 100
 155 72.4 57.9 86.9
 157 89.7 79.8 119.8

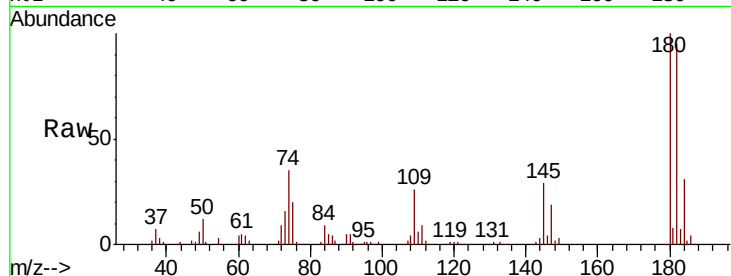




#67
 1,3,5-Trichlorobenzene
 Concen: 5.295 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	207227
Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.1	115.7
184	30.3	24.7	37.1
145	29.3	24.6	37.0



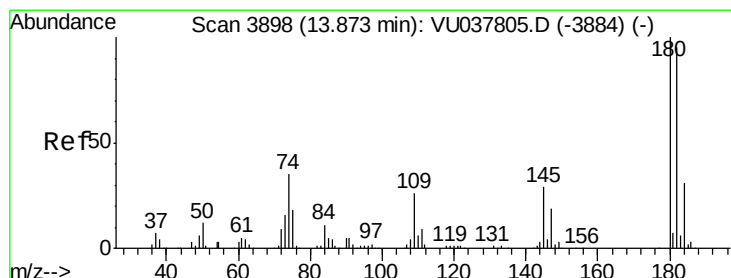
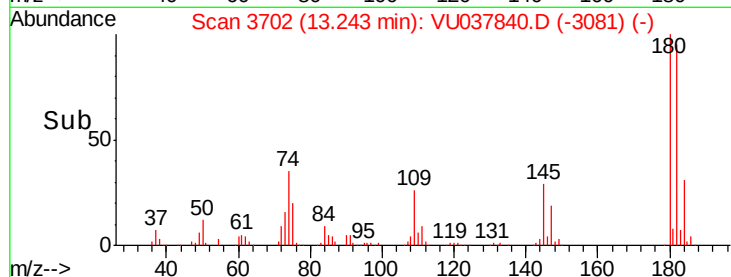
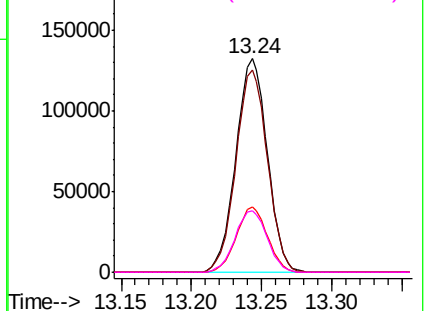
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

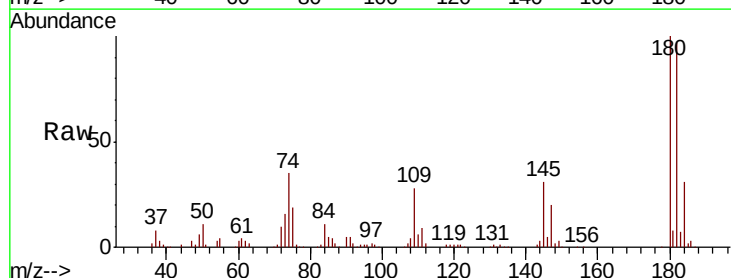
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.321 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.00 min
 Lab File: VU037840.D
 Acq: 22 Apr 2020 10:21

Tgt Ion:	180	Resp:	191128
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.4	114.6
145	29.8	25.1	37.7

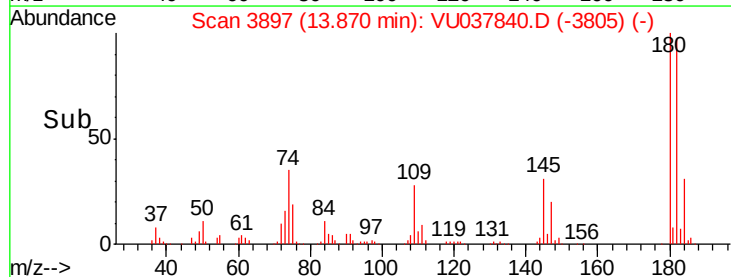
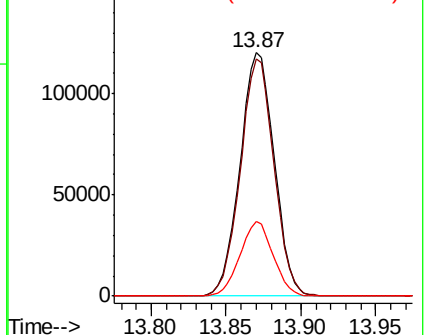


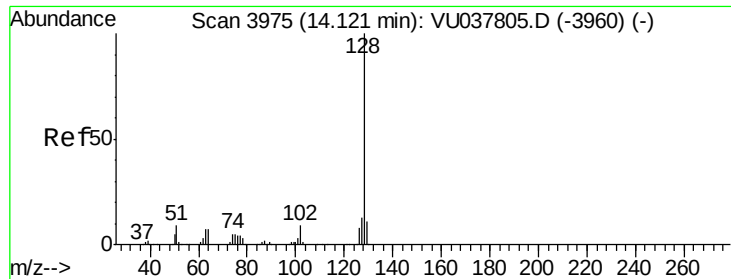
Abundance

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: 5.050 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VU037840.D

Acq: 22 Apr 2020 10:21

Instrument :

MSVOA_U

ClientSampleId :

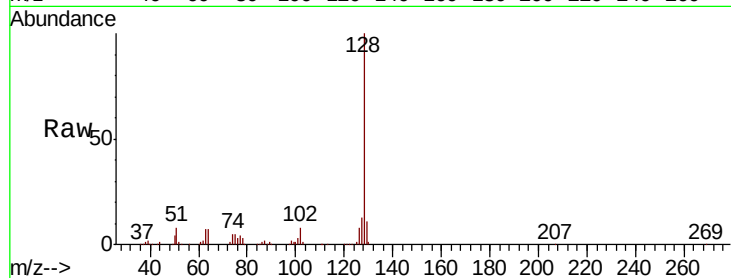
Tot Ion:128 Resp: 367392

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

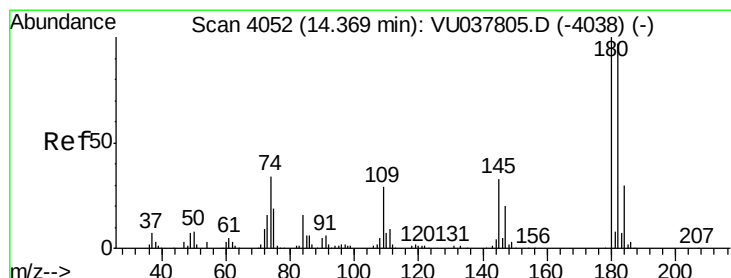
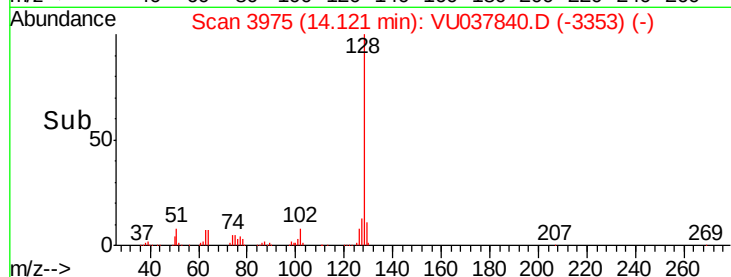
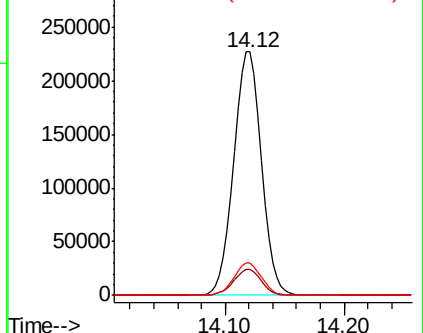
127 13.1 10.4 15.6



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: 5.300 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. -0.00 min

Lab File: VU037840.D

Acq: 22 Apr 2020 10:21

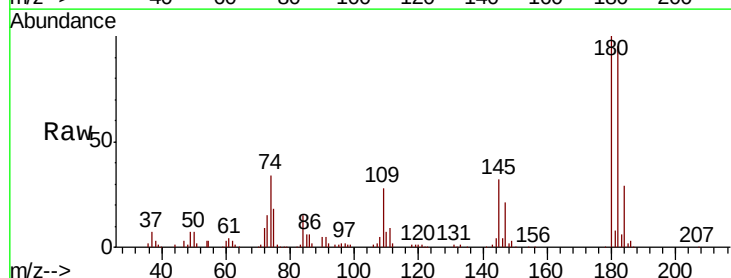
Tgt Ion:180 Resp: 169622

Ion Ratio Lower Upper

180 100

182 95.5 76.6 115.0

145 31.6 26.7 40.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

