

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080620\
 Data File : VU039774.D
 Acq On : 07 Aug 2020 00:09
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 07 04:32:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 07 04:28:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	86300	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	84521	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	43575	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23610	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.92	69	21610	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.58	63	47681	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.60%
20) 2-Butanone-d5	4.66	46	96195	46.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.86%
24) Chloroform-d	5.09	84	54351	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.72	65	31211	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	5.75	84	94747	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.70	67	33082	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.91	98	79929	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	8.19	79	9905	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
46) 2-Hexanone-d5	8.64	63	66697	46.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.36%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	29623	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	34846	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	32422	4.659	ug/L 99
3) Chloromethane	1.53	50	30245	4.133	ug/L 93
5) Vinyl chloride	1.61	62	33538	4.780	ug/L 98
6) Bromomethane	1.86	94	10955	2.467	ug/L 99
8) Chloroethane	1.94	64	21107	4.102	ug/L 93
9) Trichlorofluoromethane	2.15	101	51677	4.736	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	27842	4.702	ug/L 96
12) 1,1-Dichloroethene	2.59	96	27405	5.324	ug/L 96
13) Acetone	2.67	43	51159	42.339	ug/L 58
14) Carbon disulfide	2.81	76	77968	4.844	ug/L 98
15) Methyl Acetate	2.98	43	13688	4.593	ug/L 98
16) Methylene chloride	3.06	84	29311	3.532	ug/L 96
17) Methyl tert-butyl Ether	3.38	73	62963	4.606	ug/L 97
18) trans-1,2-Dichloroethene	3.37	96	26426	4.611	ug/L 92
19) 1,1-Dichloroethane	3.89	63	51098	4.829	ug/L 97
21) 2-Butanone	4.75	43	89882	47.202	ug/L 99
22) cis-1,2-Dichloroethene	4.69	96	35589	5.709	ug/L 97

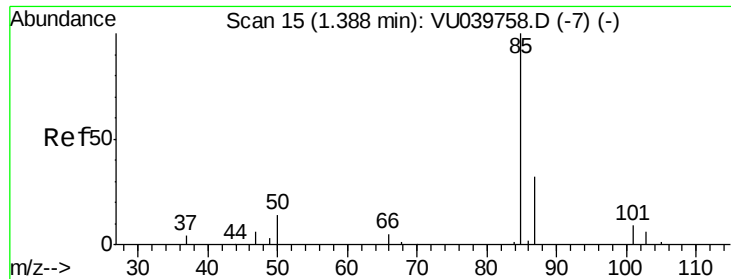
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U080620\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	14026	4.790	ug/L	99
25) Chloroform	5.11	83	52399	4.607	ug/L	93
27) 1,2-Dichloroethane	5.81	62	35784	4.565	ug/L	97
29) 1,1,1-Trichloroethane	5.34	97	44202	4.688	ug/L	98
30) Cyclohexane	5.40	56	42342	4.667	ug/L	98
31) Carbon tetrachloride	5.54	117	40447	4.676	ug/L	100
33) Benzene	5.79	78	110589	4.802	ug/L	100
34) Trichloroethene	6.56	95	28392	4.747	ug/L	97
35) Methylcyclohexane	6.77	83	41447	4.342	ug/L	98
37) 1,2-Dichloropropane	6.80	63	29018	4.744	ug/L	100
38) Bromodichloromethane	7.12	83	37171	4.645	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	31740	3.805	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	210634	46.083	ug/L	99
42) Toluene	7.98	91	114645	4.737	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	28021	3.729	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	21852	4.750	ug/L	95
47) Tetrachloroethene	8.56	164	21805	4.420	ug/L	96
48) 2-Hexanone	8.69	43	152161	46.101	ug/L	98
49) Dibromochloromethane	8.82	129	25877	4.583	ug/L	99
50) 1,2-Dibromoethane	8.93	107	21425	4.749	ug/L	98
51) Chlorobenzene	9.45	112	74499	4.581	ug/L	95
52) Ethylbenzene	9.57	91	120250	4.440	ug/L	99
53) m,p-Xylene	9.69	106	48549	4.707	ug/L	98
54) o-Xylene	10.10	106	46297	4.584	ug/L	91
55) Styrene	10.11	104	79250	4.660	ug/L	96
56) Isopropylbenzene	10.48	105	115704	4.287	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	27207	4.298	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	20446	4.634	ug/L	99
61) Bromoform	10.29	173	13887	4.717	ug/L	93
62) 1,3-Dichlorobenzene	11.74	146	60235	4.723	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	58630	4.361	ug/L	96
65) 1,2-Dichlorobenzene	12.21	146	57532	4.579	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	4392	4.624	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	41060	4.248	ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	34803	4.297	ug/L	99
69) Naphthalene	14.08	128	65711	4.537	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	33735	4.642	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.659 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

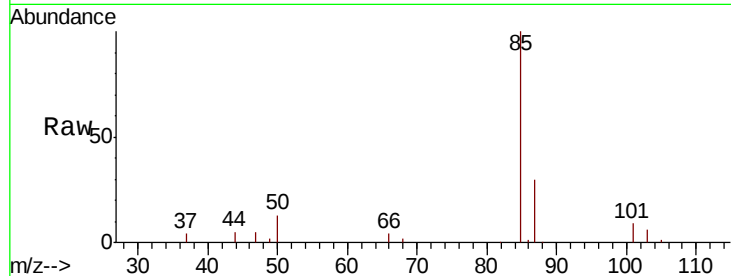
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 32422

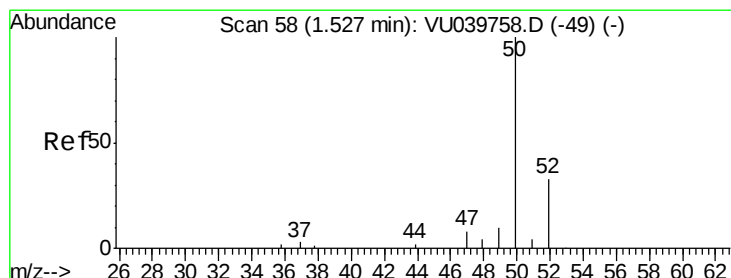
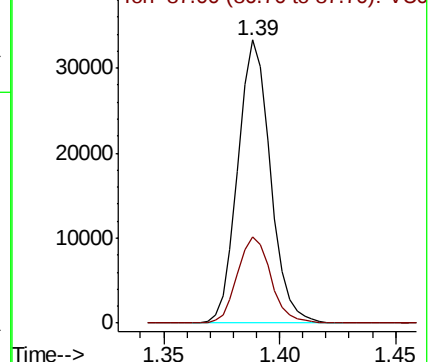
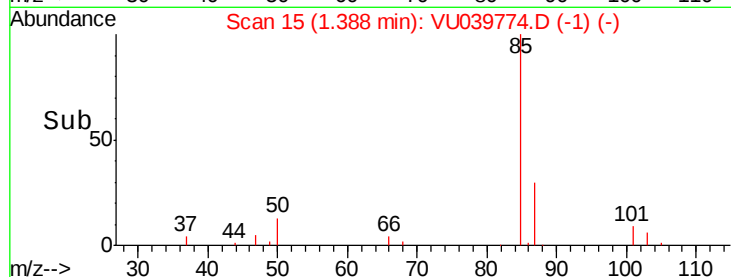
Ion Ratio Lower Upper

85 100

87 31.1 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU039774.D (-1) (-)



#3

Chloromethane

Concen: 4.133 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039774.D

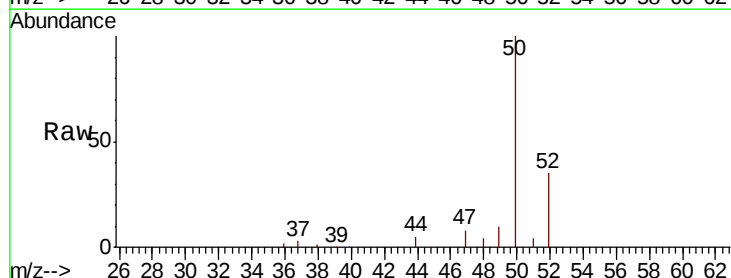
Acq: 07 Aug 2020 00:09

Tgt Ion: 50 Resp: 30245

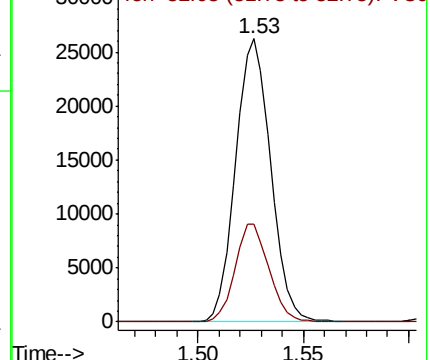
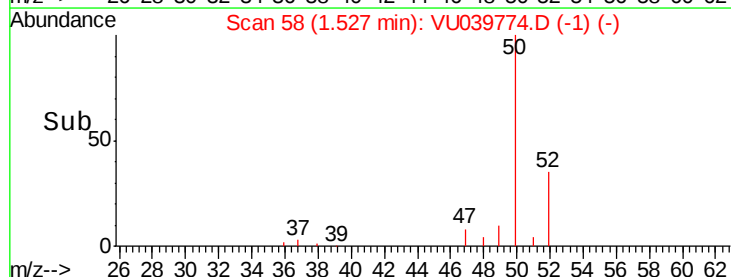
Ion Ratio Lower Upper

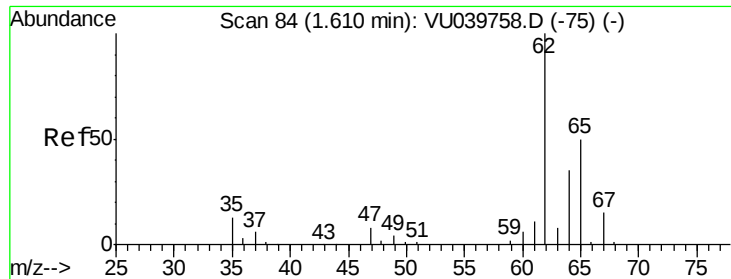
50 100

52 34.7 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU039774.D (-1) (-)





#5

Vinyl chloride

Concen: 4.780 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

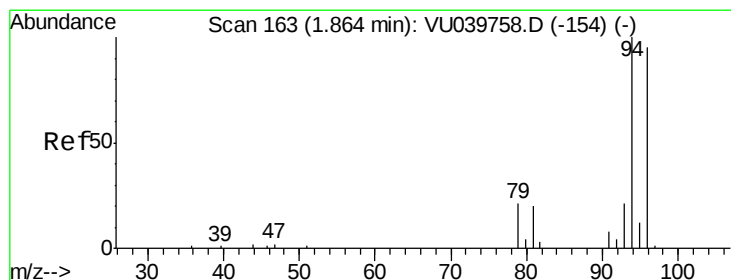
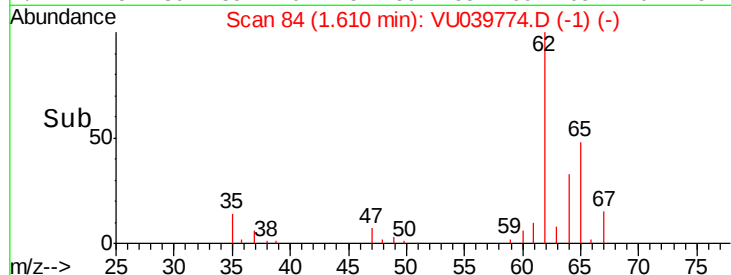
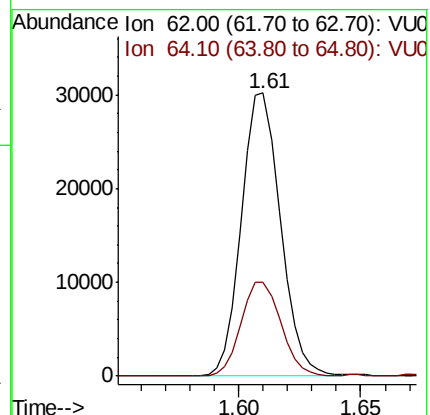
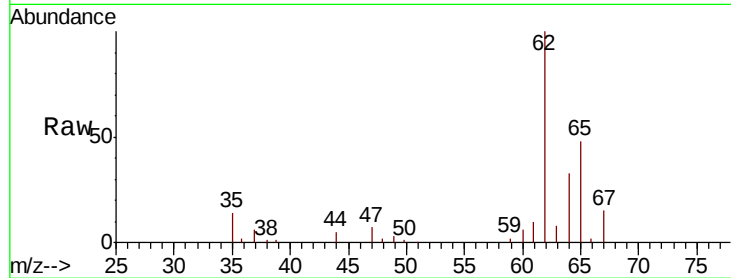
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 33538

Ion Ratio Lower Upper

62 100

64 33.1 24.1 44.7



#6

Bromomethane

Concen: 2.467 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU039774.D

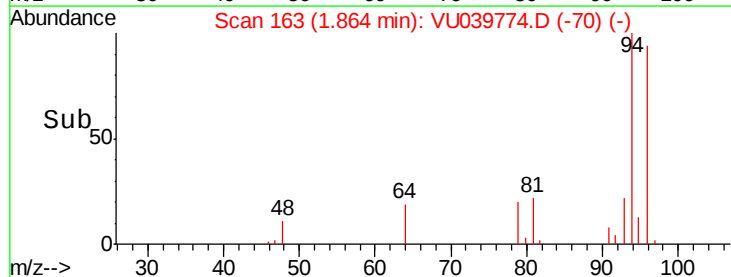
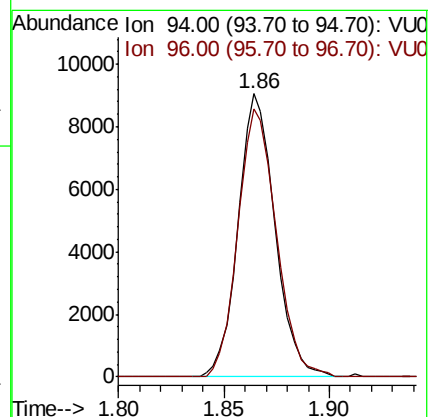
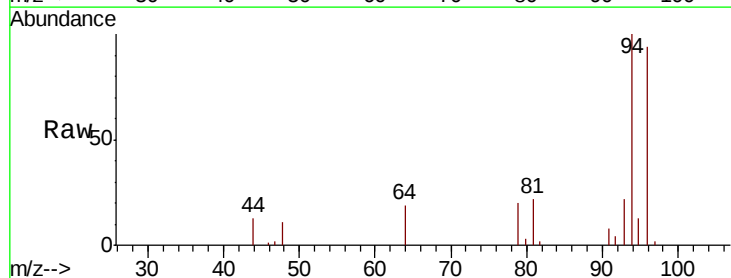
Acq: 07 Aug 2020 00:09

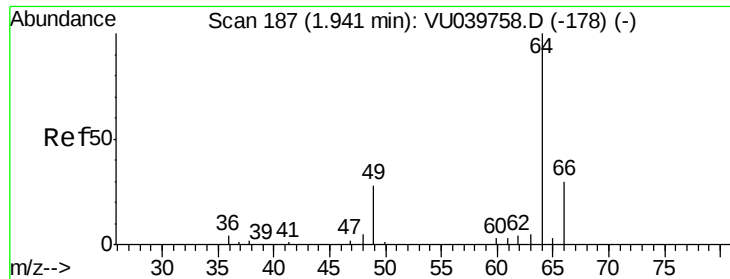
Tgt Ion: 94 Resp: 10955

Ion Ratio Lower Upper

94 100

96 94.5 65.8 122.2

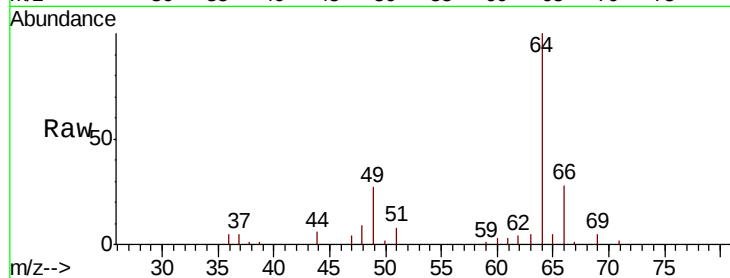




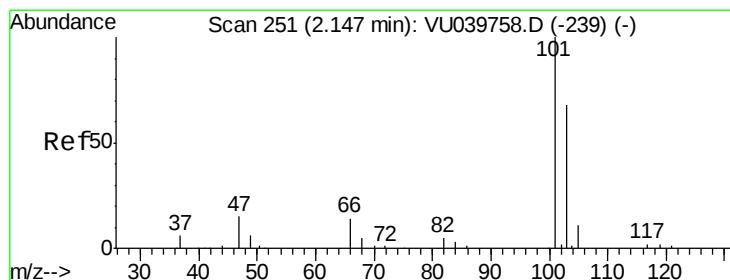
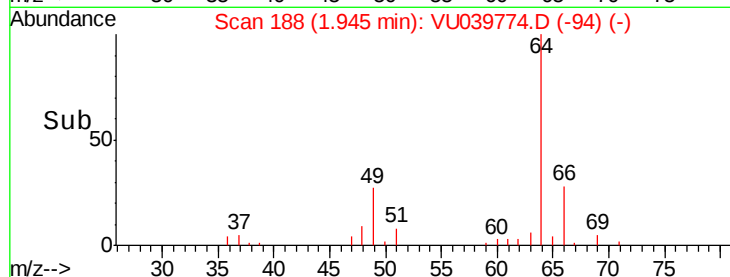
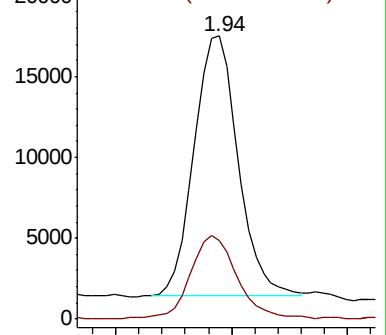
#8
Chloroethane
Concen: 4.102 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039774.D
Acq: 07 Aug 2020 00:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 21107
Ion Ratio Lower Upper
64 100
66 27.8 22.3 41.3

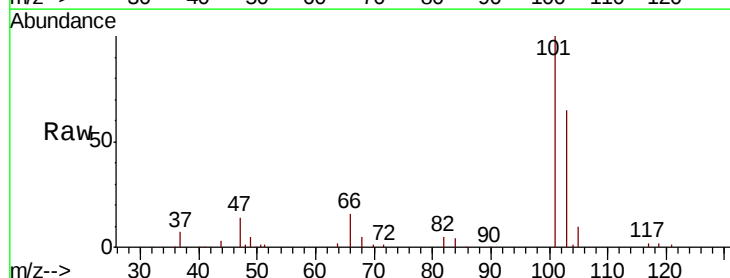


Abundance Ion 64.10 (63.80 to 64.80): VU039758.D (-178) (-)
Ion 66.05 (65.75 to 66.75): VU039774.D (-158) (-)

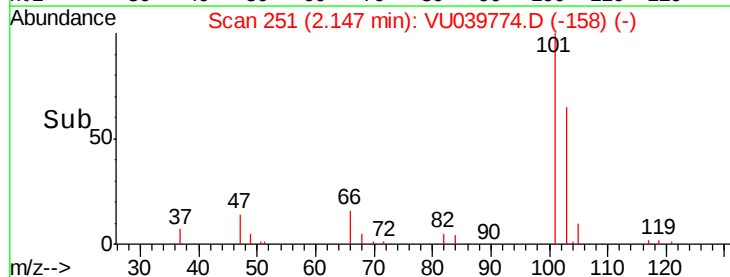
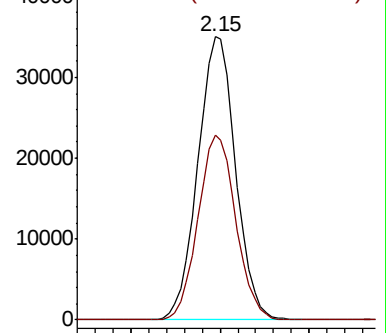


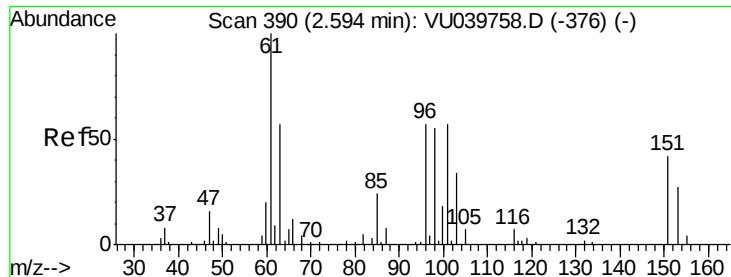
#9
Trichlorofluoromethane
Concen: 4.736 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU039774.D
Acq: 07 Aug 2020 00:09

Tgt Ion:101 Resp: 51677
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU039758.D (-239) (-)
Ion 103.00 (102.70 to 103.70): VU039774.D (-158) (-)





#10

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

Concen: 4.702 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

Instrument :

MSVOA_U

ClientSampleId :

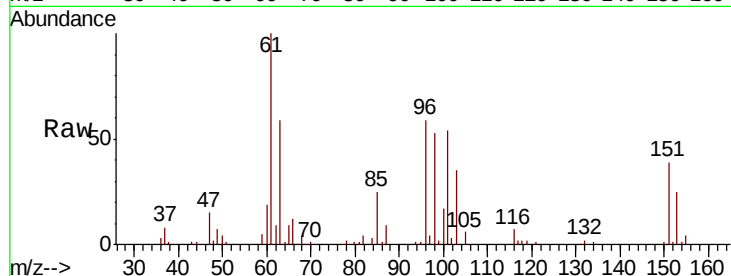
Tot Ion:101 Resp: 27842

Ion Ratio Lower Upper

101 100

85 46.6 37.9 56.9

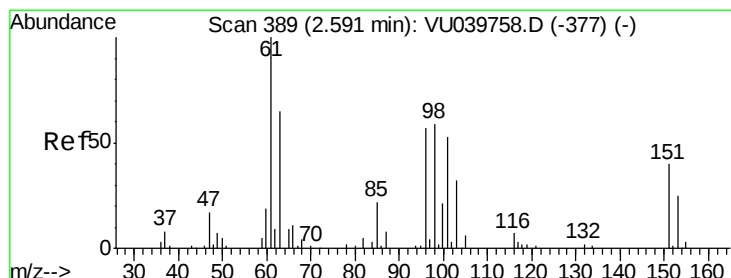
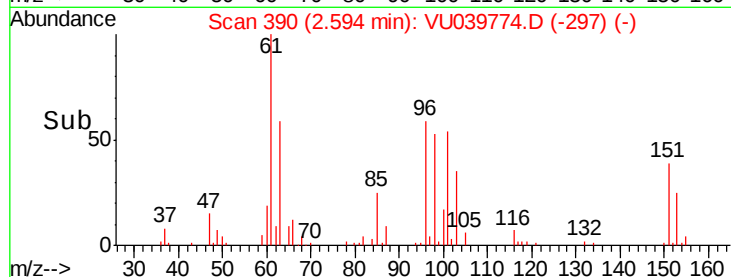
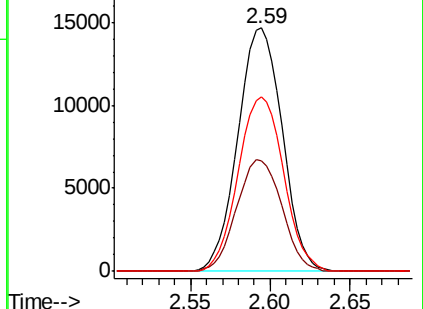
151 73.2 54.7 82.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.324 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

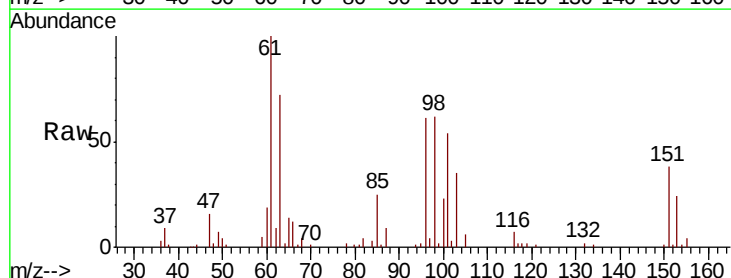
Tgt Ion: 96 Resp: 27405

Ion Ratio Lower Upper

96 100

61 164.0 121.7 225.9

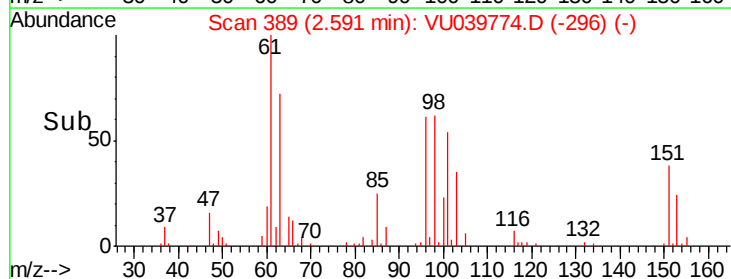
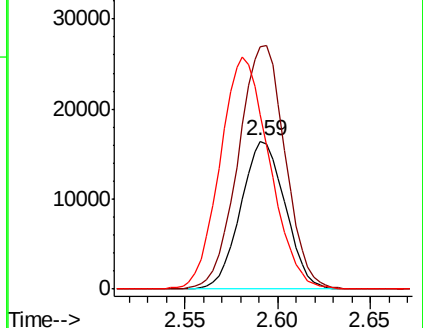
63 118.1 82.1 152.5

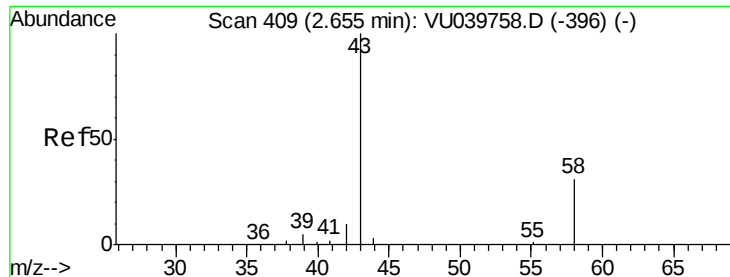


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 42.339 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

Instrument :

MSVOA_U

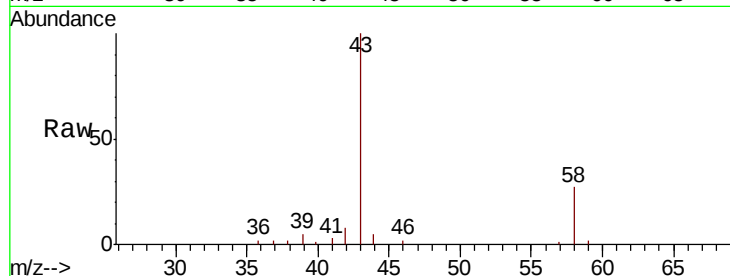
ClientSampleId :

Tot Ion: 43 Resp: 51159

Ion Ratio Lower Upper

43 100

58 8.1 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039774.D (-316) (-)

Ion 58.05 (57.75 to 58.75): VU039774.D (-316) (-)

12000

10000

8000

6000

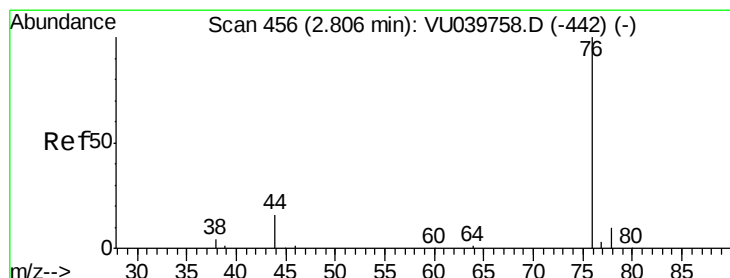
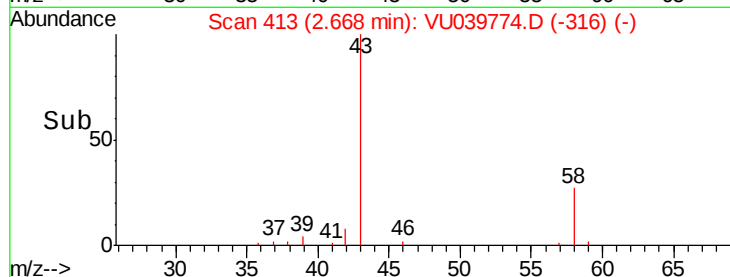
4000

2000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 4.844 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039774.D

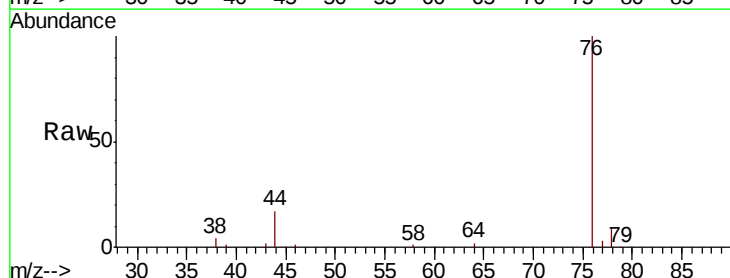
Acq: 07 Aug 2020 00:09

Tgt Ion: 76 Resp: 77968

Ion Ratio Lower Upper

76 100

78 8.9 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU039774.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU039774.D (-363) (-)

50000

40000

30000

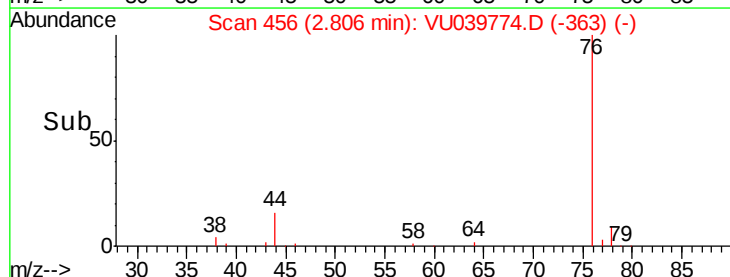
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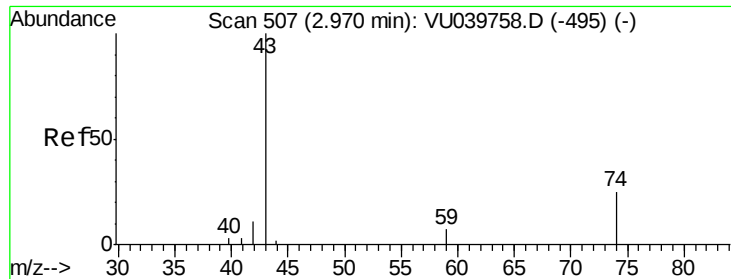
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0

2.75 2.80 2.85

Time-->

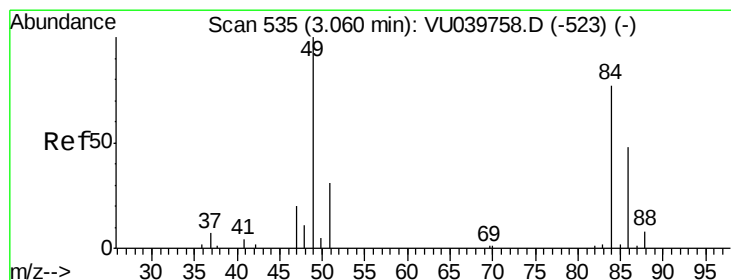
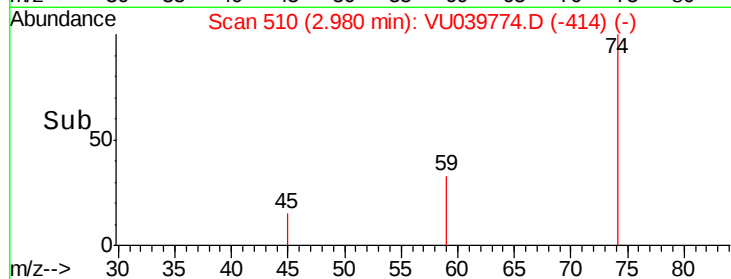
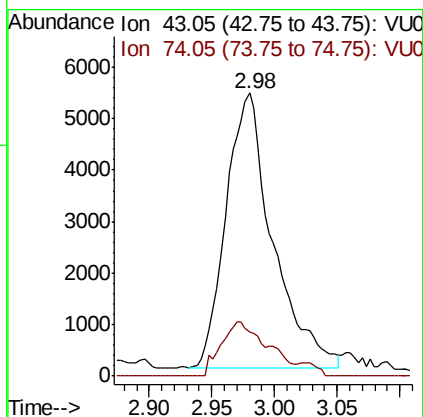
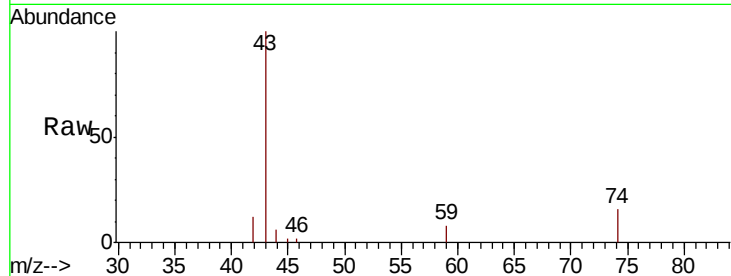




#15
Methvl Acetate
Concen: 4.593 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.01 min
Lab File: VU039774.D
Acq: 07 Aug 2020 00:09

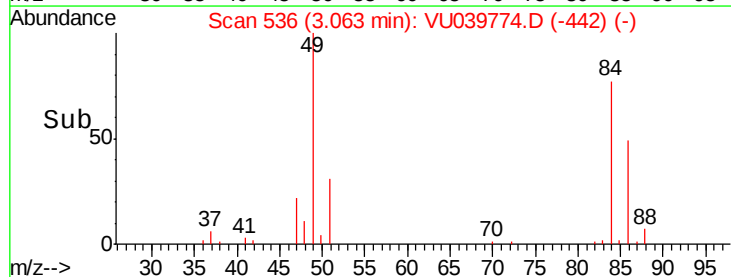
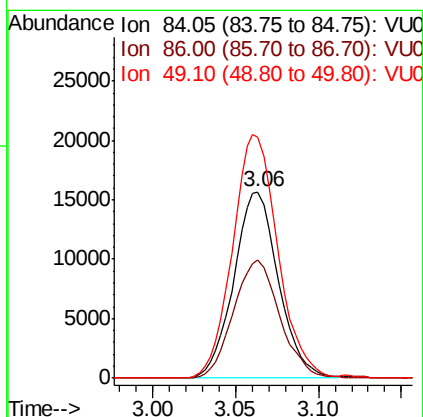
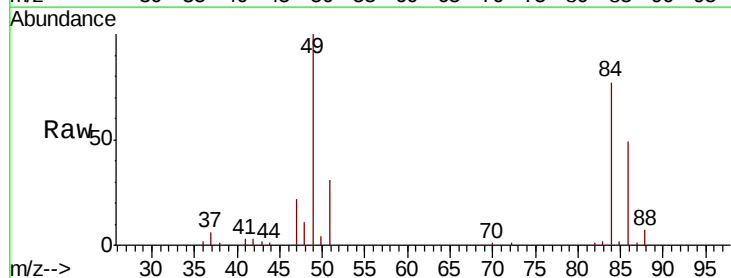
Instrument :
MSVOA_U
ClientSampleId :

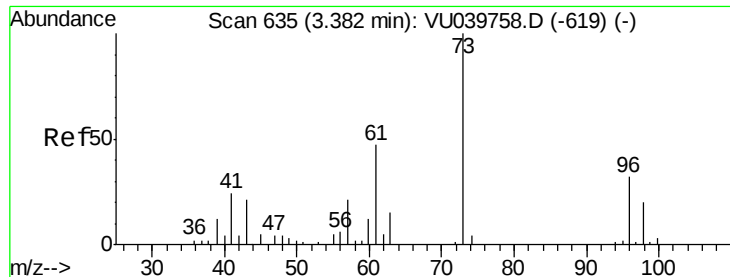
Tot Ion: 43 Resp: 13688
Ion Ratio Lower Upper
43 100
74 19.8 16.6 25.0



#16
Methylene chloride
Concen: 3.532 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039774.D
Acq: 07 Aug 2020 00:09

Tgt Ion: 84 Resp: 29311
Ion Ratio Lower Upper
84 100
86 63.7 43.9 81.5
49 129.2 94.4 175.4

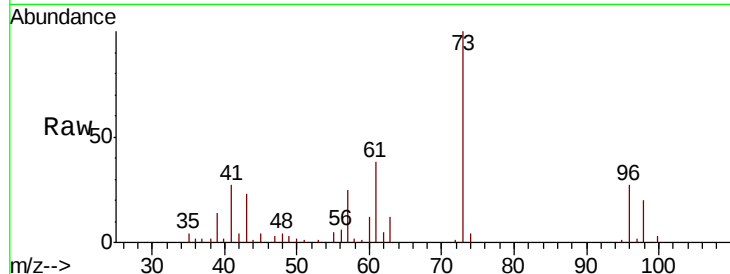




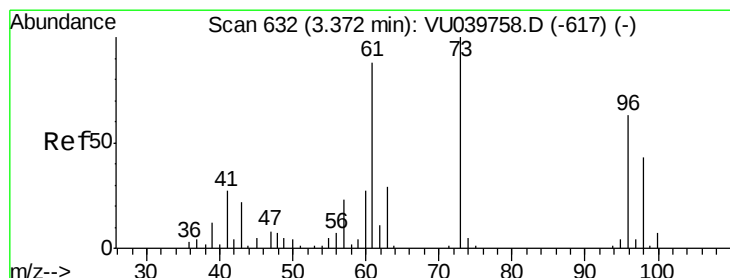
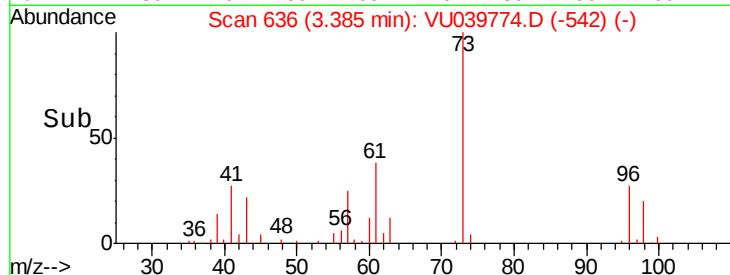
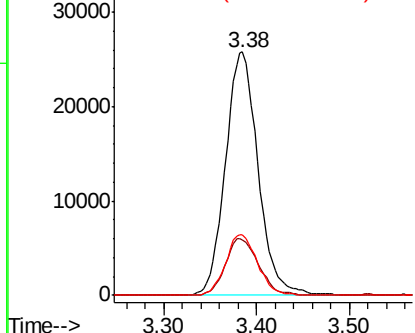
#17
Methvl tert-butvl Ether
Concen: 4.606 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039774.D
Acq: 07 Aug 2020 00:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 62963
Ion Ratio Lower Upper
73 100
43 23.7 18.2 27.4
57 24.2 17.8 26.8

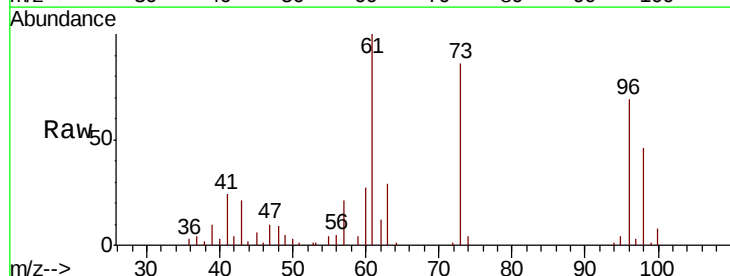


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

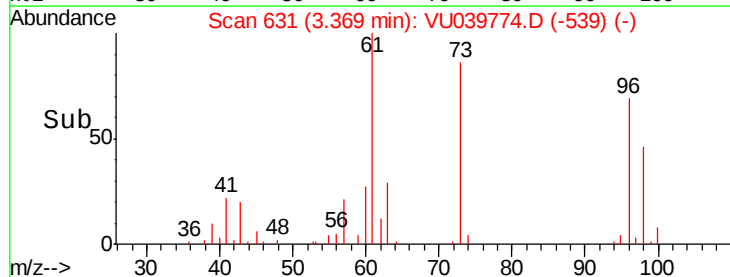
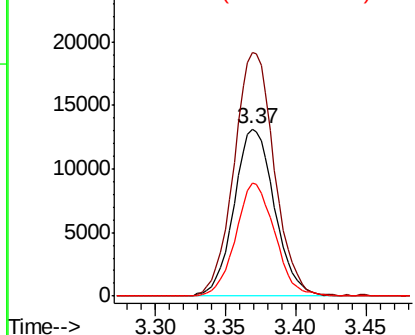


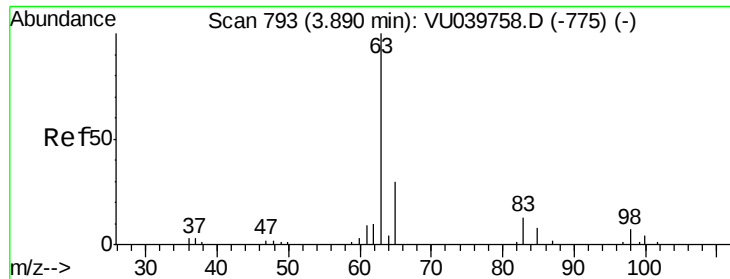
#18
trans-1,2-Dichloroethene
Concen: 4.611 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039774.D
Acq: 07 Aug 2020 00:09

Tgt Ion: 96 Resp: 26426
Ion Ratio Lower Upper
96 100
61 145.8 96.5 179.1
98 67.4 40.9 76.0



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

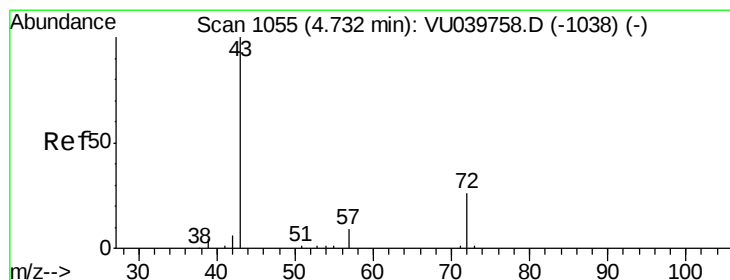
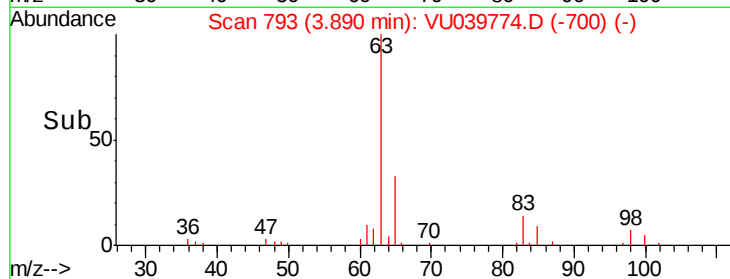
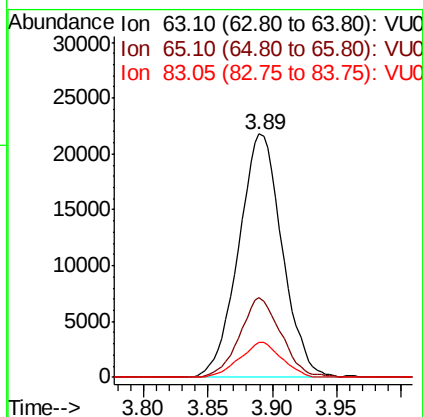
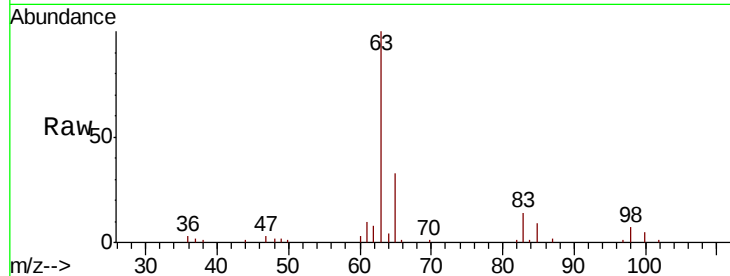




#19
 1,1-Dichloroethane
 Concen: 4.829 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU039774.D
 Acq: 07 Aug 2020 00:09

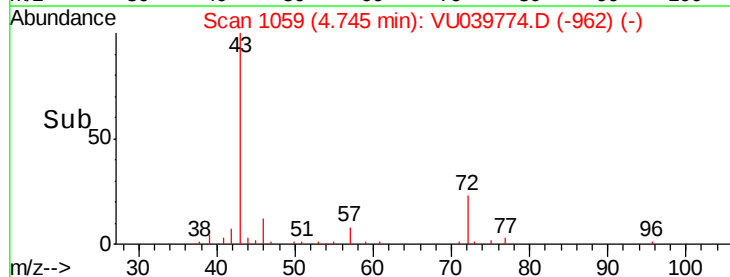
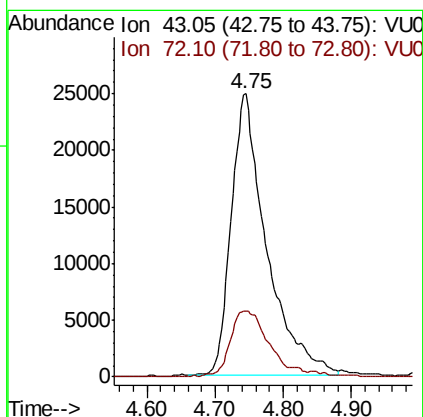
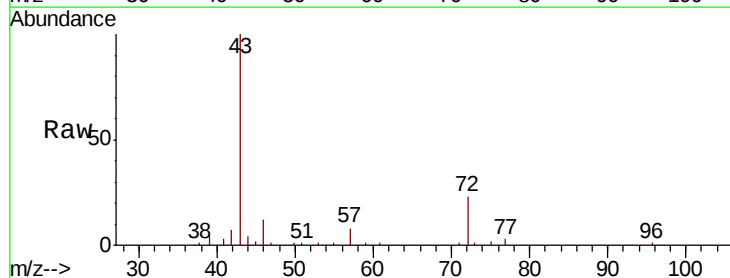
Instrument :
 MSVOA_U
 ClientSampled :

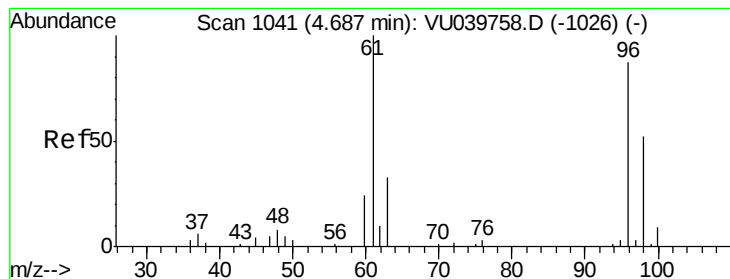
Tot Ion: 63 Resp: 51098
 Ion Ratio Lower Upper
 63 100
 65 33.5 22.0 41.0
 83 14.3 10.9 20.2



#21
 2-Butanone
 Concen: 47.202 ug/L
 RT: 4.75 min Scan# 1059
 Delta R.T. 0.01 min
 Lab File: VU039774.D
 Acq: 07 Aug 2020 00:09

Tgt Ion: 43 Resp: 89882
 Ion Ratio Lower Upper
 43 100
 72 25.5 13.0 39.0





#22

cis-1,2-Dichloroethene

Concen: 5.709 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

Instrument :

MSVOA_U

ClientSampled :

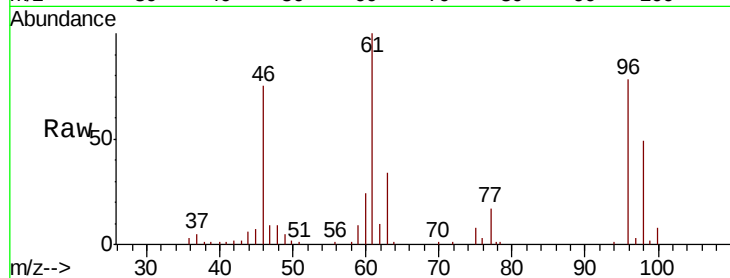
Tot Ion: 96 Resp: 35589

Ion Ratio Lower Upper

96 100

61 128.5 87.4 162.2

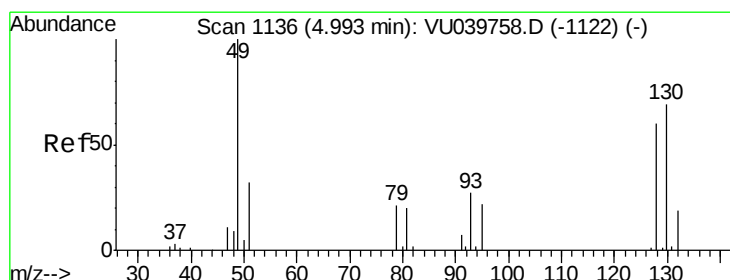
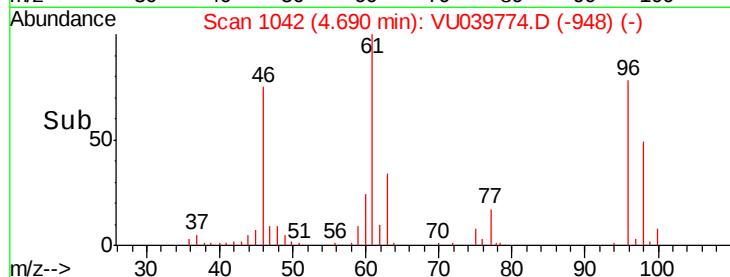
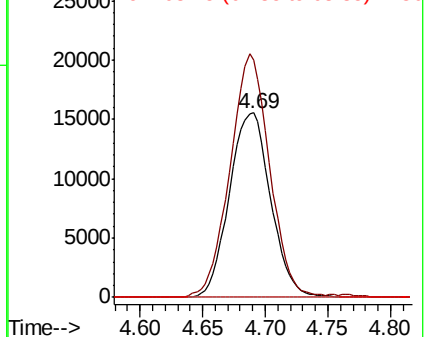
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039774.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039774.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039774.D (-948) (-)



#23

Bromochloromethane

Concen: 4.790 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

Tgt Ion: 128 Resp: 14026

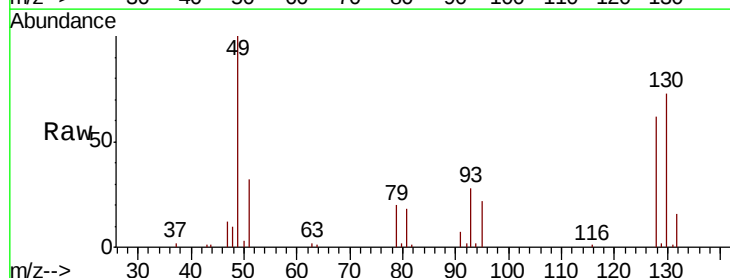
Ion Ratio Lower Upper

128 100

49 160.6 110.3 204.9

130 116.7 82.0 152.4

51 50.6 40.8 61.2

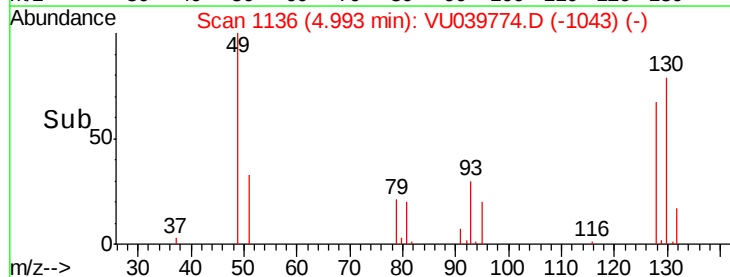
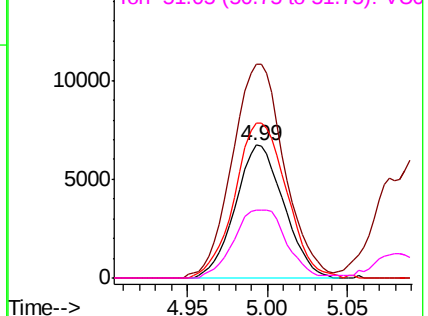


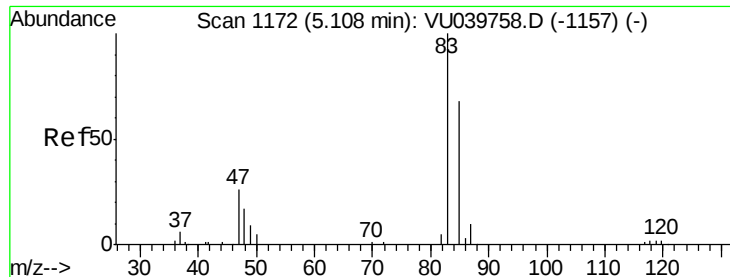
Abundance Ion 127.90 (127.60 to 128.60): VU039774.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU039774.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU039774.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU039774.D (-1043) (-)

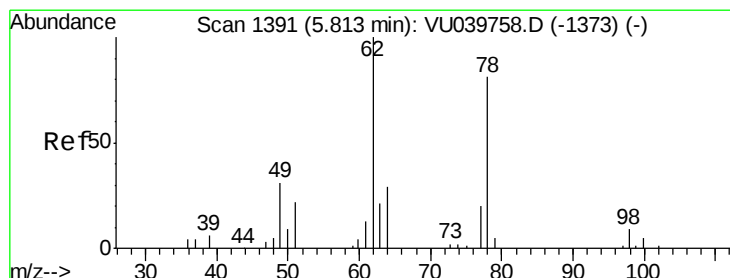
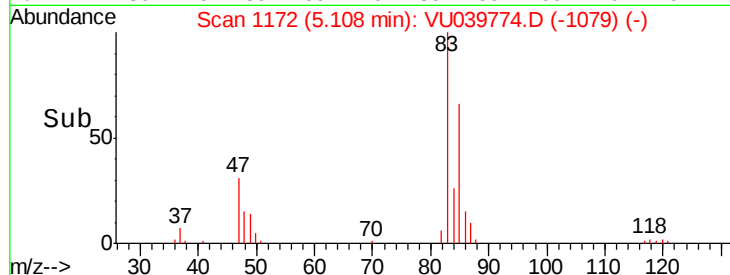
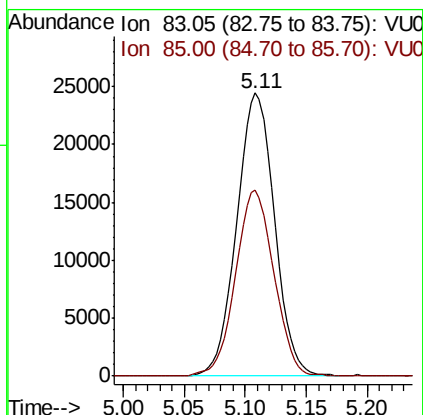
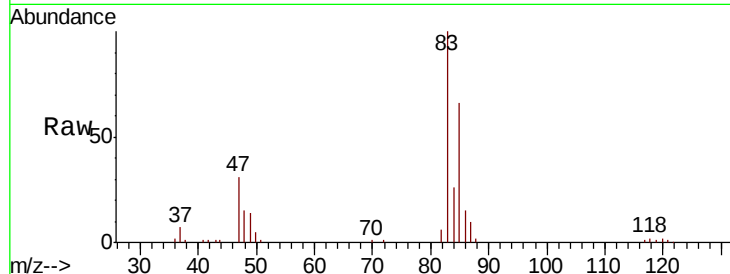




#25
Chloroform
Concen: 4.607 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039774.D
Acq: 07 Aug 2020 00:09

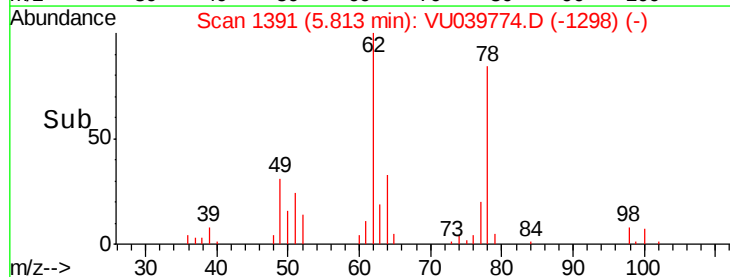
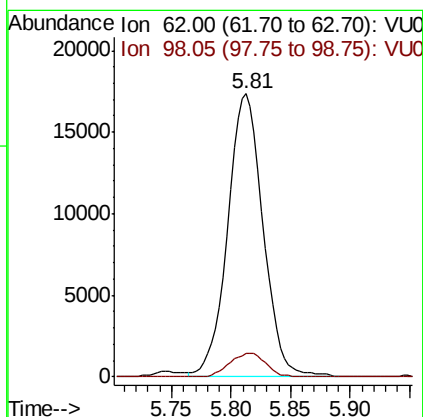
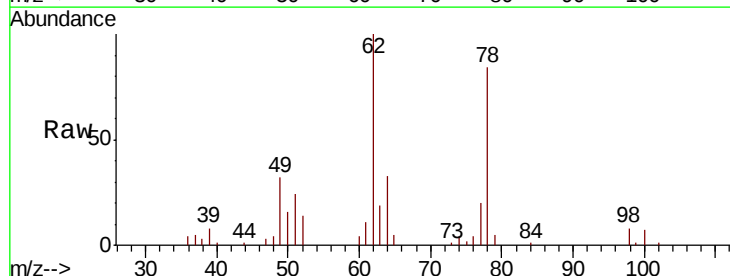
Instrument :
MSVOA_U
ClientSampled :

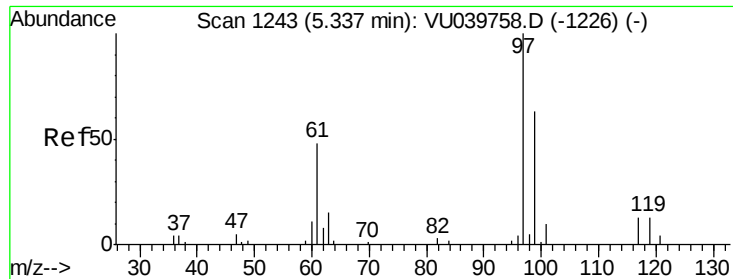
Tot Ion: 83 Resp: 52399
Ion Ratio Lower Upper
83 100
85 65.7 42.1 78.3



#27
1,2-Dichloroethane
Concen: 4.565 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039774.D
Acq: 07 Aug 2020 00:09

Tgt Ion: 62 Resp: 35784
Ion Ratio Lower Upper
62 100
98 8.1 7.3 10.9

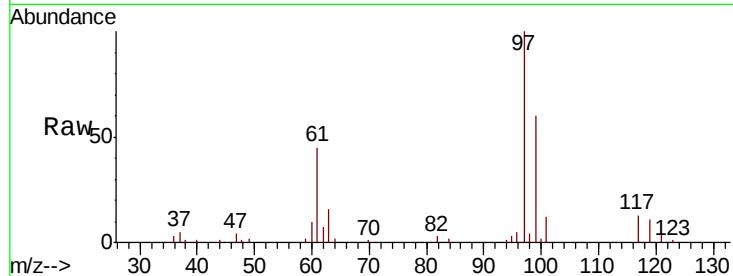




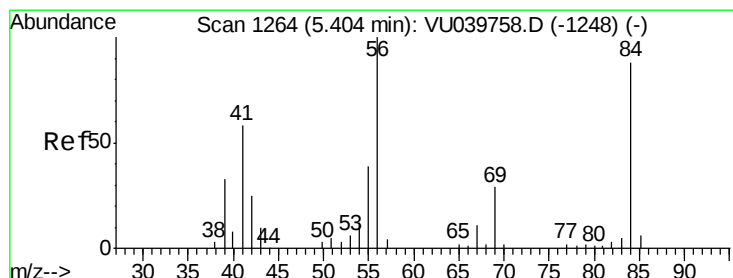
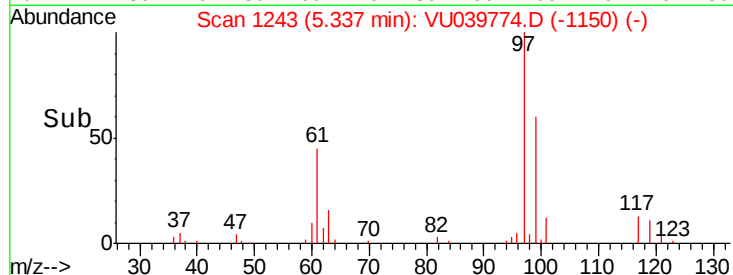
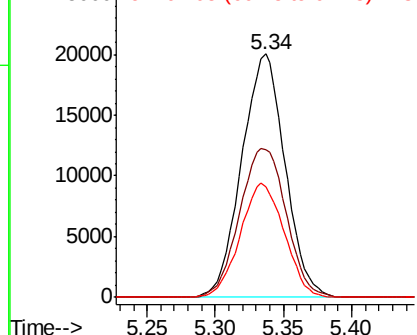
#29
 1,1,1-Trichloroethane
 Concen: 4.688 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039774.D
 Acq: 07 Aug 2020 00:09

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 44202
 Ion Ratio Lower Upper
 97 100
 99 65.8 52.8 79.2
 61 47.7 40.5 60.7

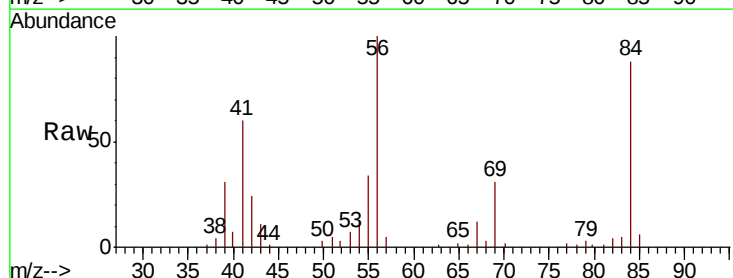


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

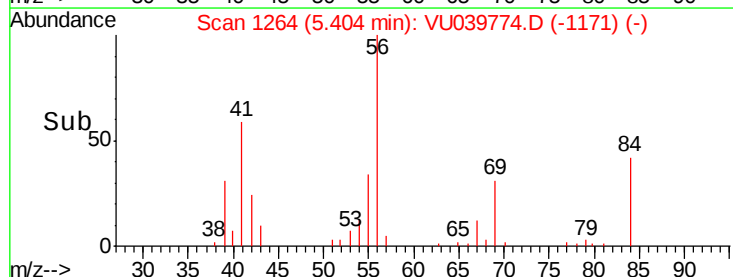
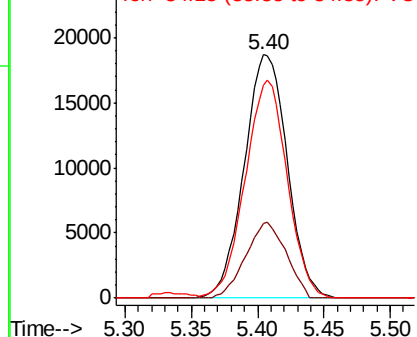


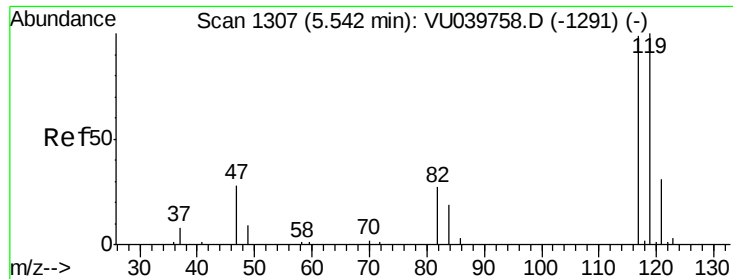
#30
 Cyclohexane
 Concen: 4.667 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU039774.D
 Acq: 07 Aug 2020 00:09

Tgt Ion: 56 Resp: 42342
 Ion Ratio Lower Upper
 56 100
 69 29.3 24.4 36.6
 84 87.5 71.3 106.9



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





#31

Carbon tetrachloride

Concen: 4.676 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

Instrument :

MSVOA_U

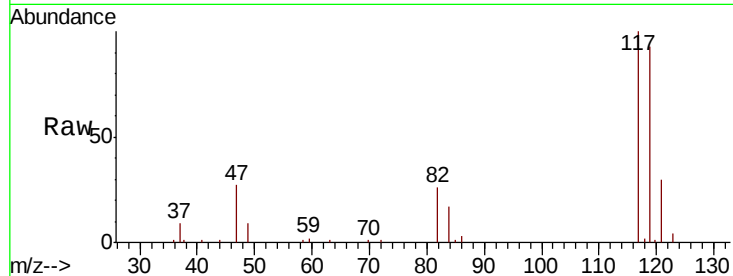
ClientSampleId :

Tot Ion:117 Resp: 40447

Ion Ratio Lower Upper

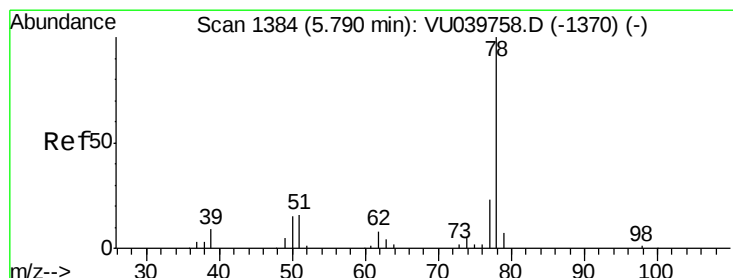
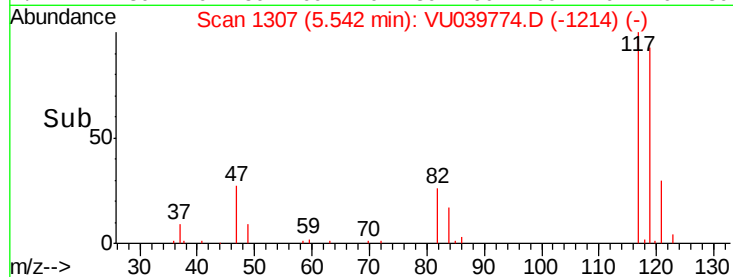
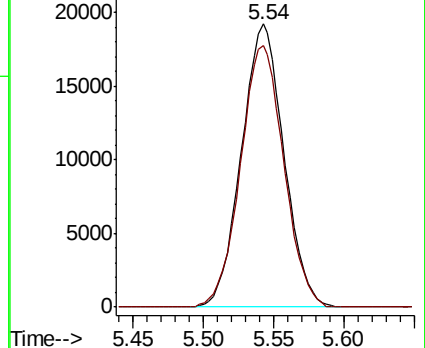
117 100

119 94.1 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.802 ug/L

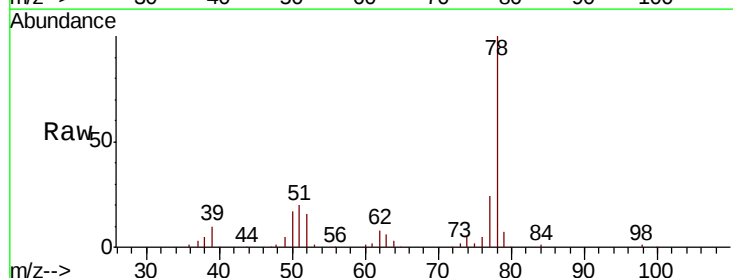
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

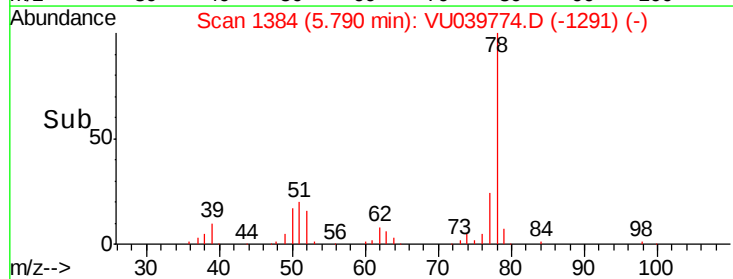
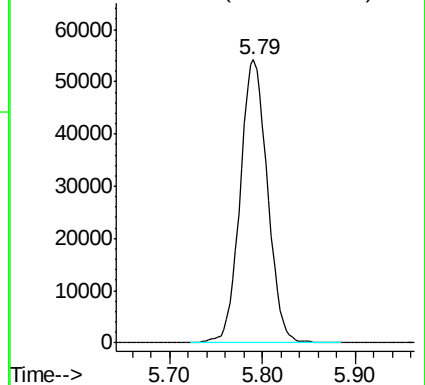
Lab File: VU039774.D

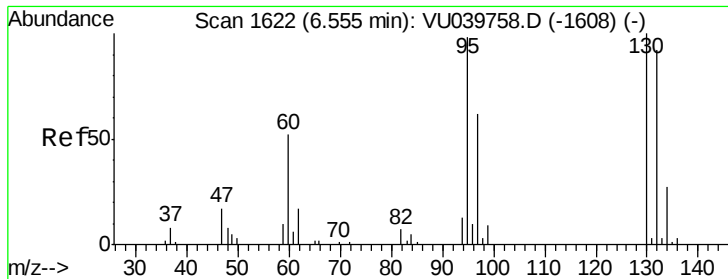
Acq: 07 Aug 2020 00:09

Tgt Ion: 78 Resp: 110589



Abundance Ion 78.10 (77.80 to 78.80): VU0

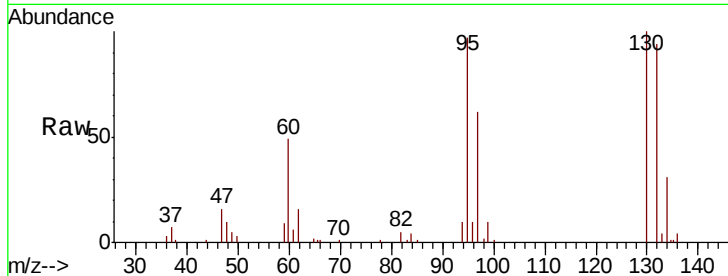




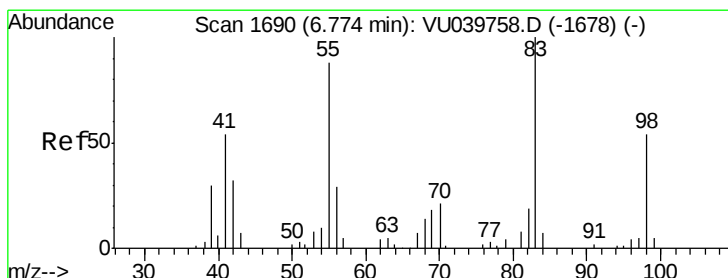
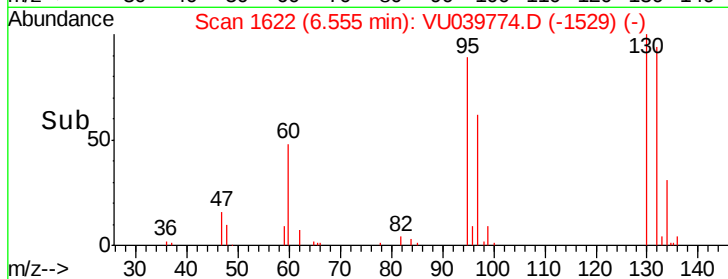
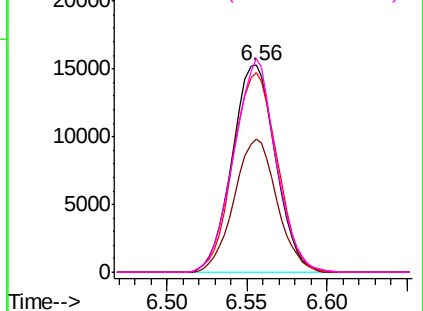
#34
 Trichloroethene
 Concen: 4.747 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039774.D
 Acq: 07 Aug 2020 00:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	28392
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.0	81.8
132	96.6	71.7	133.3
130	103.1	71.1	132.1

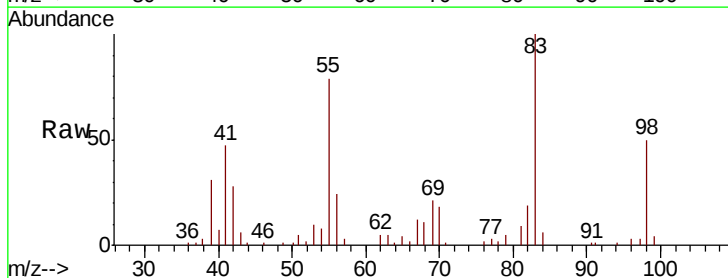


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

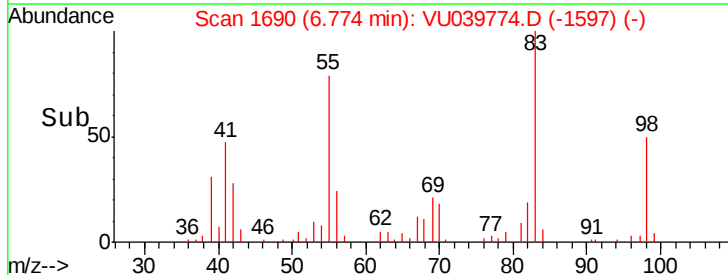
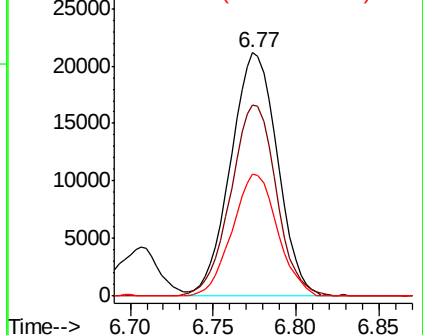


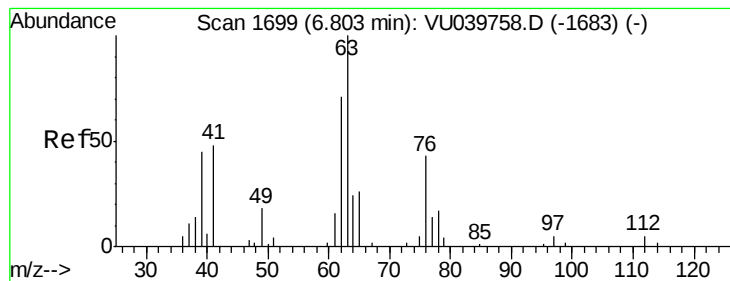
#35
 Methylcyclohexane
 Concen: 4.342 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU039774.D
 Acq: 07 Aug 2020 00:09

Tgt Ion:	83	Resp:	41447
Ion	Ratio	Lower	Upper
83	100		
55	76.7	59.4	89.0
98	48.5	39.0	58.4



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: 4.744 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

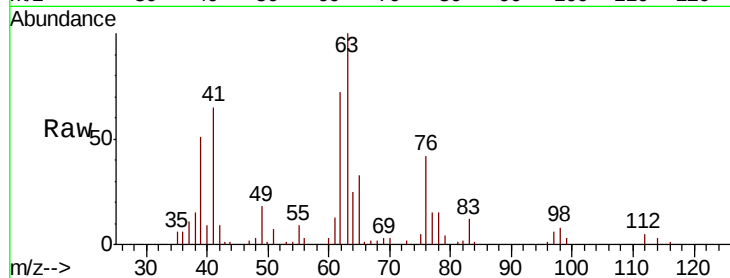
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 63 Resp: 29018

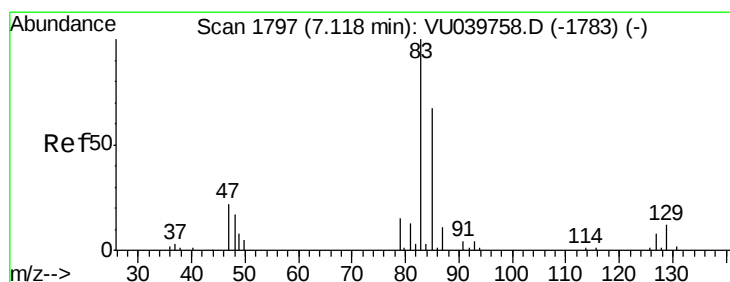
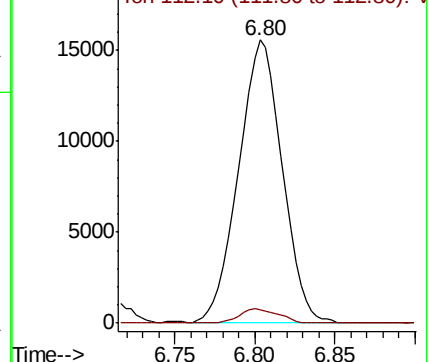
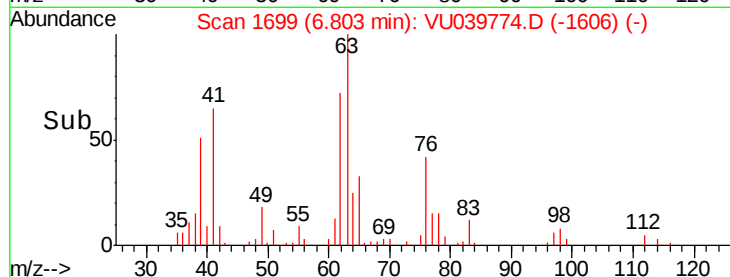
Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VU039774.D (-1606) (-)



#38

Bromodichloromethane

Concen: 4.645 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

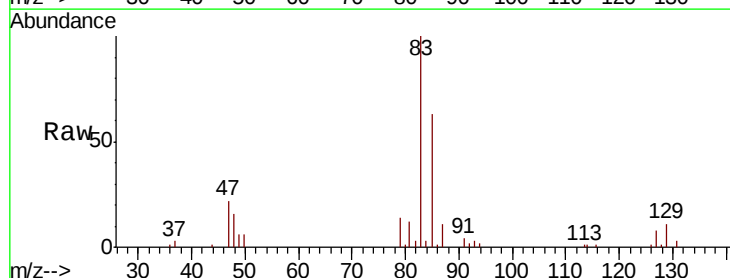
Tgt Ion: 83 Resp: 37171

Ion Ratio Lower Upper

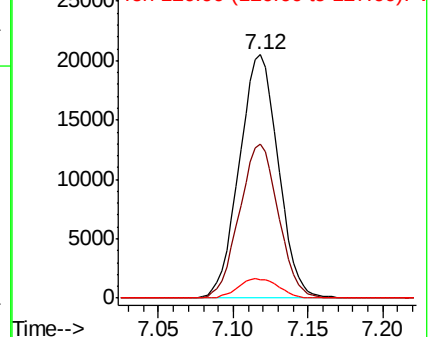
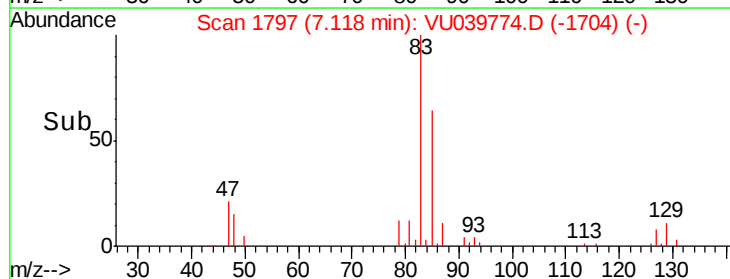
83 100

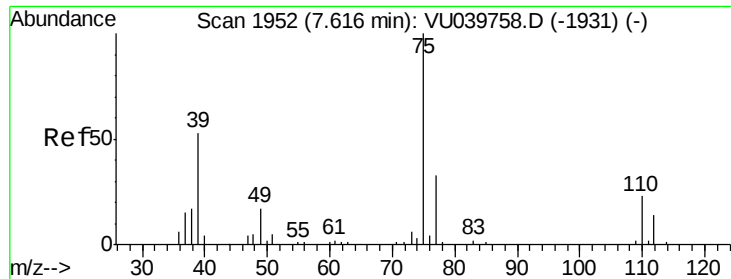
85 63.3 45.3 84.1

127 7.7 7.5 11.3



Abundance Ion 82.95 (82.65 to 83.65): VU039774.D (-1704) (-)

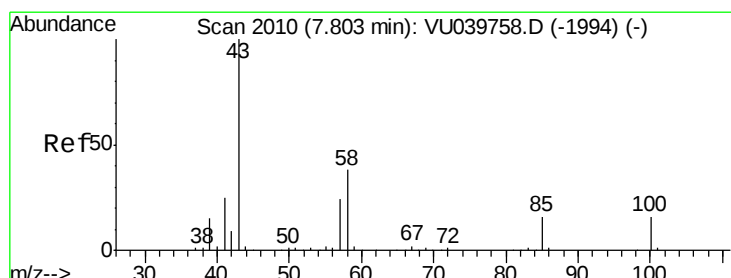
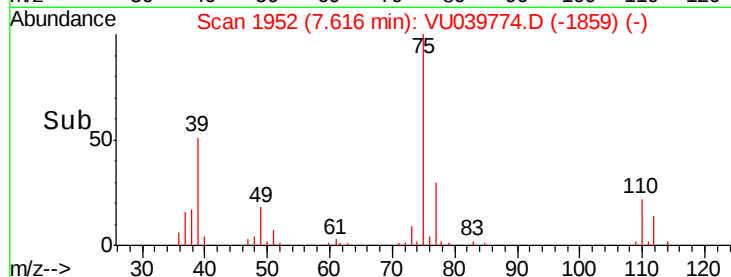
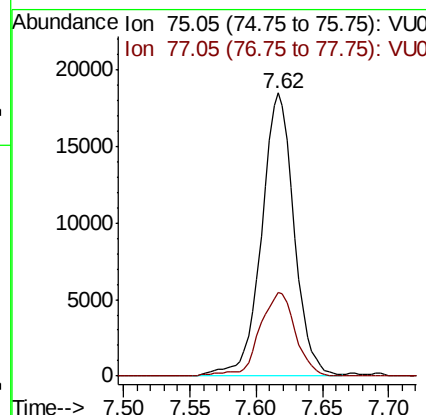
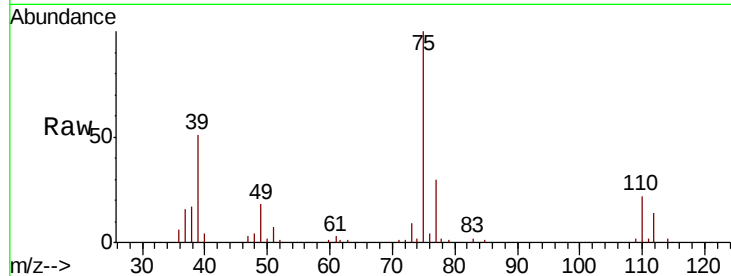




#39
 cis-1,3-Dichloropropene
 Concen: 3.805 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039774.D
 Acq: 07 Aug 2020 00:09

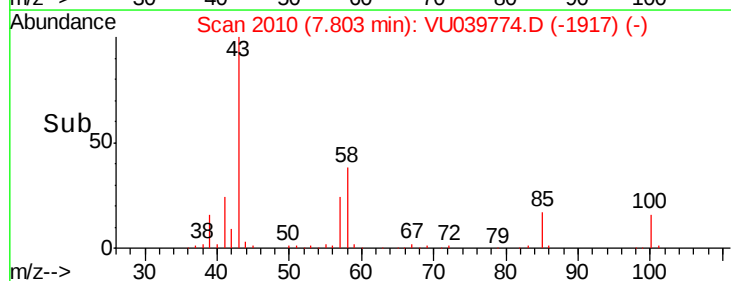
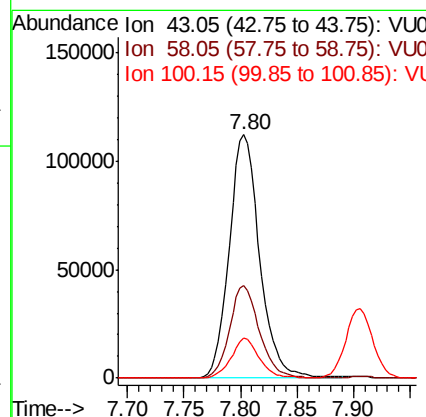
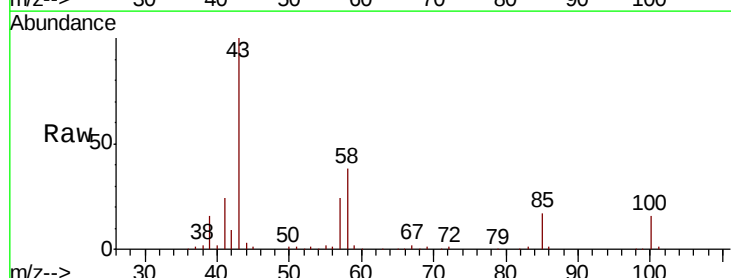
Instrument :
 MSVOA_U
 ClientSampleId :

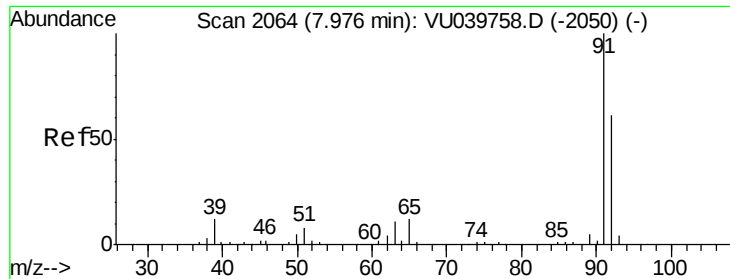
Tot Ion: 75 Resp: 31740
 Ion Ratio Lower Upper
 75 100
 77 29.5 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 46.083 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039774.D
 Acq: 07 Aug 2020 00:09

Tgt Ion: 43 Resp: 210634
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.4 44.2
 100 15.1 11.7 17.5





#42

Toluene

Concen: 4.737 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

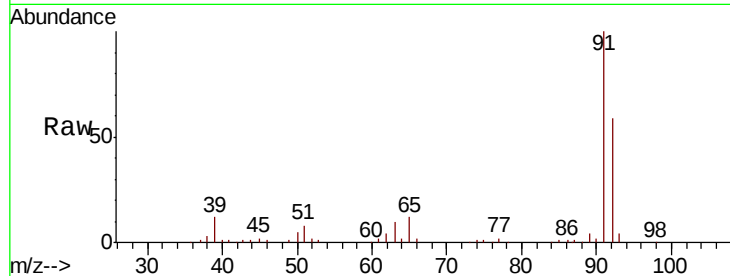
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 114645

Ion Ratio Lower Upper

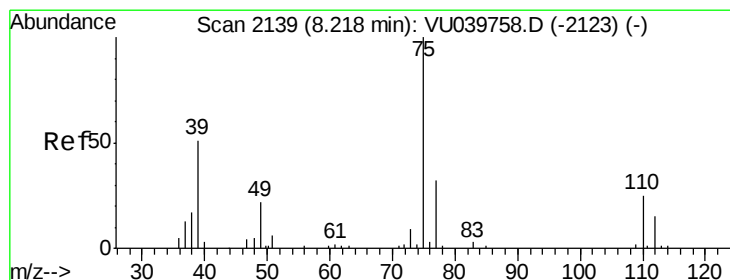
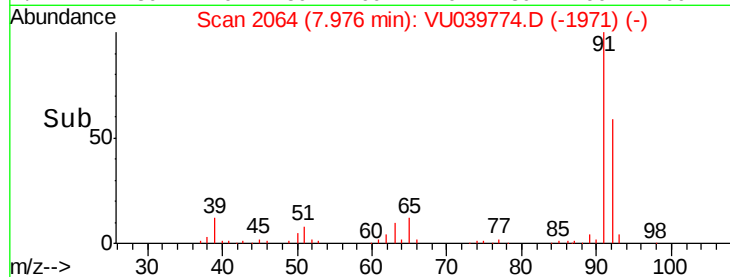
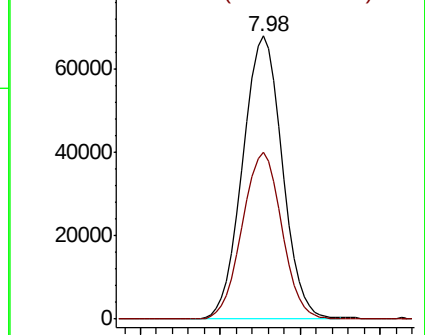
91 100

92 58.8 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039774.D (-2046) (-)

Ion 92.15 (91.85 to 92.85): VU039774.D (-2046) (-)



#44

trans-1,3-Dichloropropene

Concen: 3.729 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039774.D

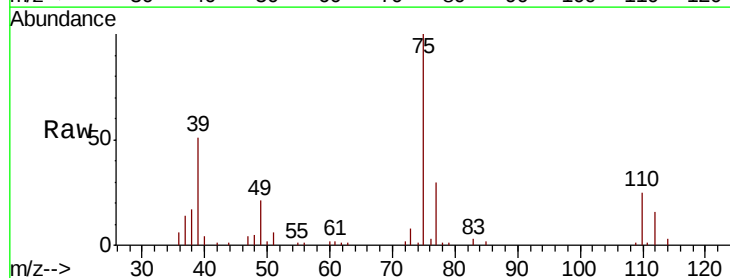
Acq: 07 Aug 2020 00:09

Tgt Ion: 75 Resp: 28021

Ion Ratio Lower Upper

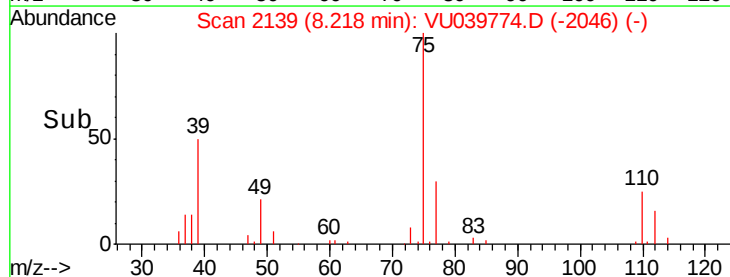
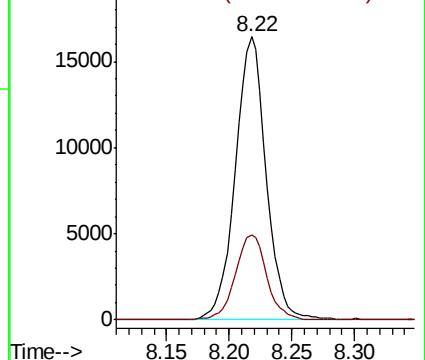
75 100

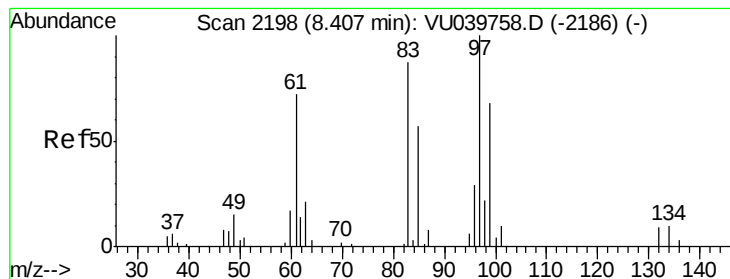
77 30.2 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU039774.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU039774.D (-2046) (-)





#45

1,1,2-Trichloroethane

Concen: 4.750 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 21852

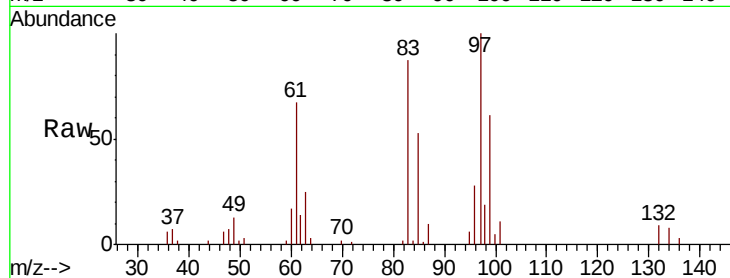
Ion Ratio Lower Upper

97 100

99 60.5 42.0 78.0

83 87.4 55.2 102.4

85 53.5 37.0 68.6



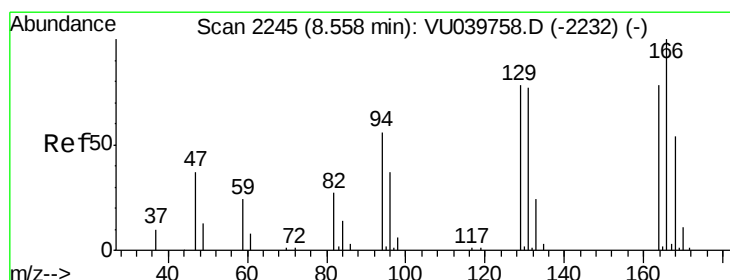
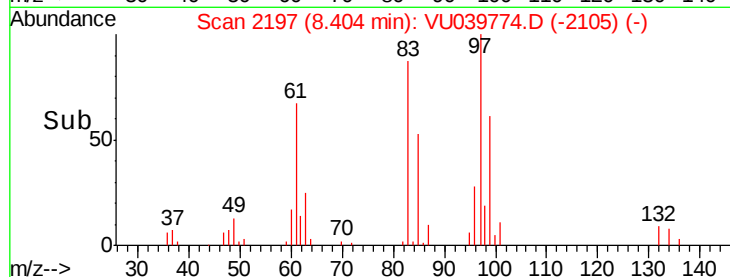
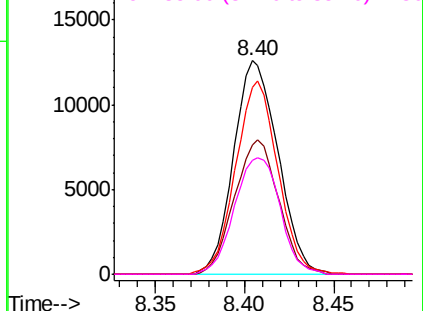
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.420 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

Tgt Ion:164 Resp: 21805

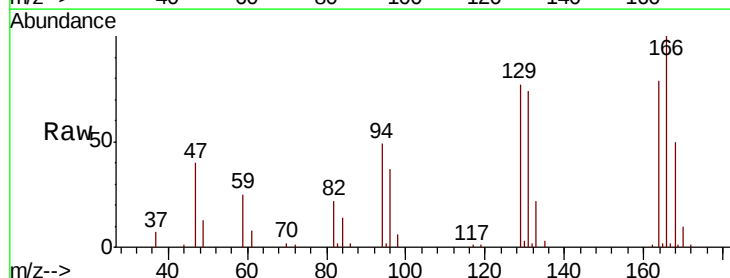
Ion Ratio Lower Upper

164 100

129 96.7 65.9 122.5

131 92.8 68.1 126.5

166 126.0 84.5 156.9



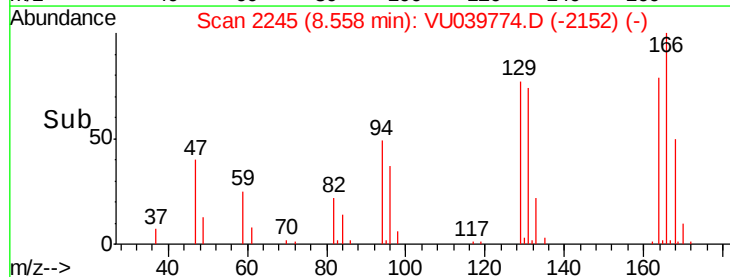
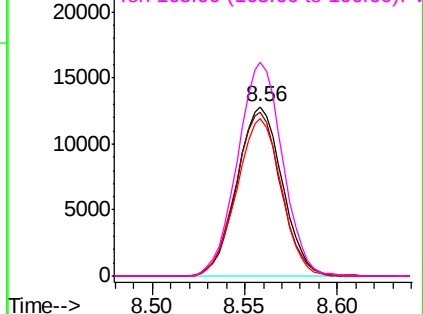
Abundance

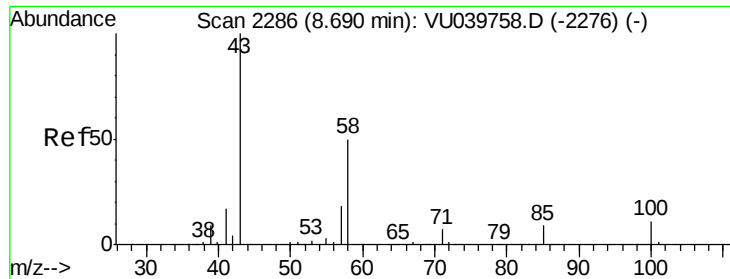
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

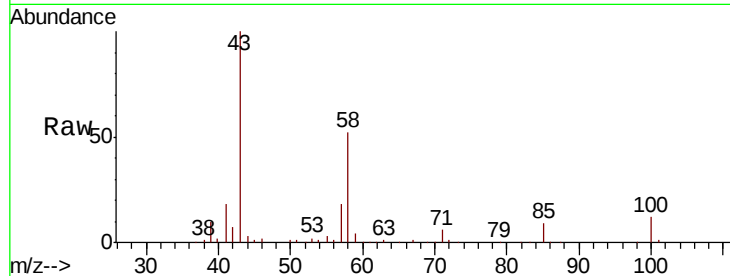




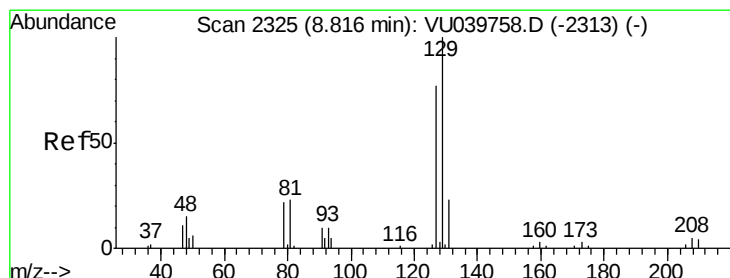
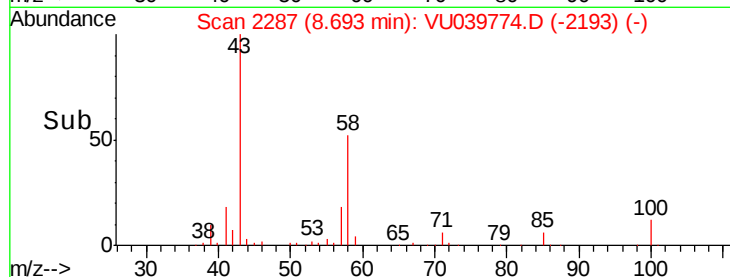
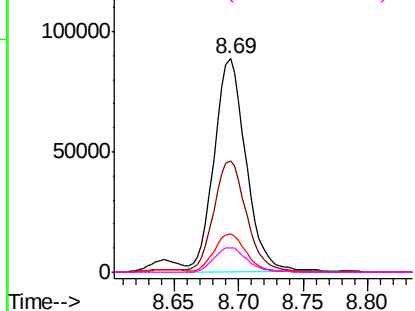
#48
2-Hexanone
Concen: 46.101 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039774.D
Acq: 07 Aug 2020 00:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 152161
Ion Ratio Lower Upper
43 100
58 53.8 41.8 62.8
57 18.3 14.2 21.4
100 12.0 9.4 14.2

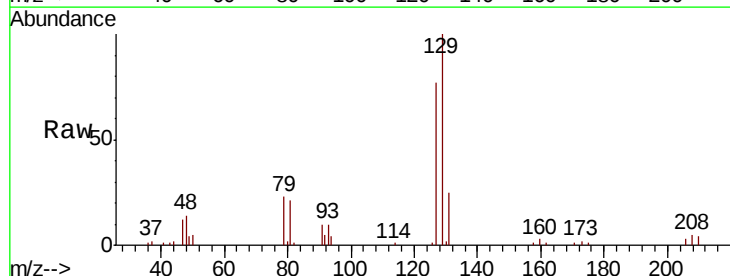


Abundance Ion 43.05 (42.75 to 43.75): VU039774.D (-2286) (-)
Ion 58.05 (57.75 to 58.75): VU039774.D (-2286) (-)
Ion 57.20 (56.90 to 57.90): VU039774.D (-2286) (-)
Ion 100.15 (99.85 to 100.85): VU039774.D (-2286) (-)

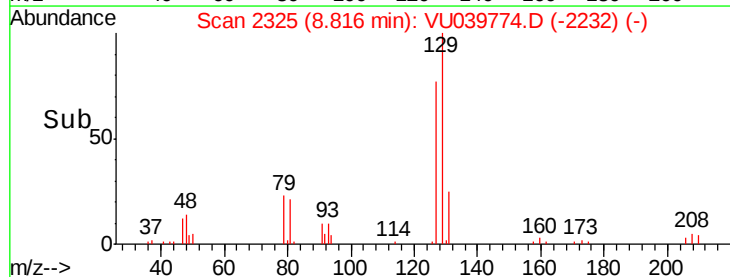
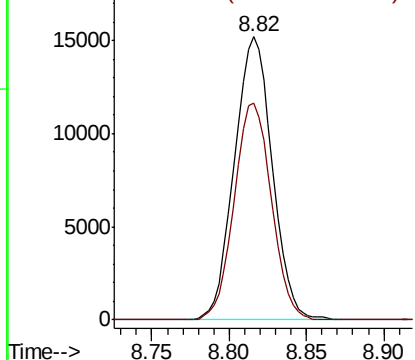


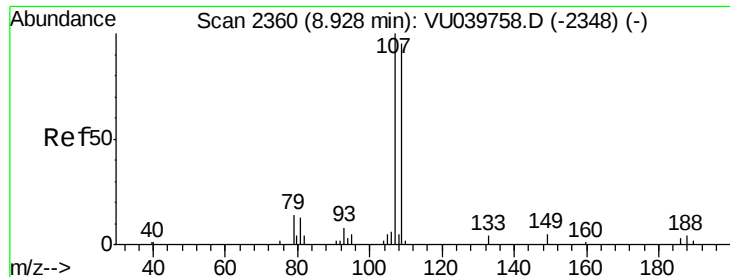
#49
Dibromochloromethane
Concen: 4.583 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039774.D
Acq: 07 Aug 2020 00:09

Tgt Ion: 129 Resp: 25877
Ion Ratio Lower Upper
129 100
127 76.7 53.0 98.4



Abundance Ion 128.95 (128.65 to 129.65): VU039774.D (-2325) (-)
Ion 126.90 (126.60 to 127.60): VU039774.D (-2325) (-)

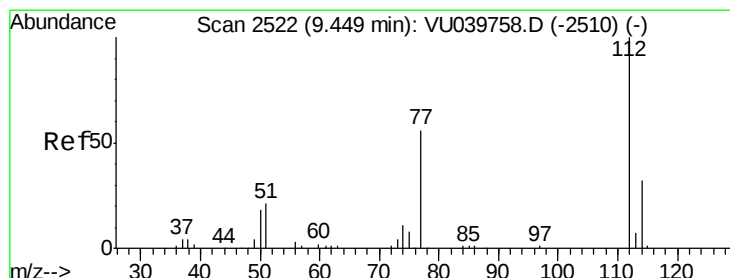
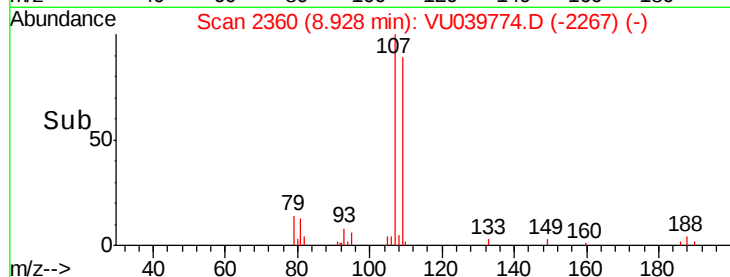
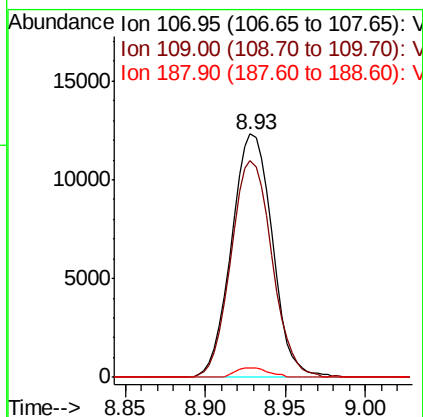
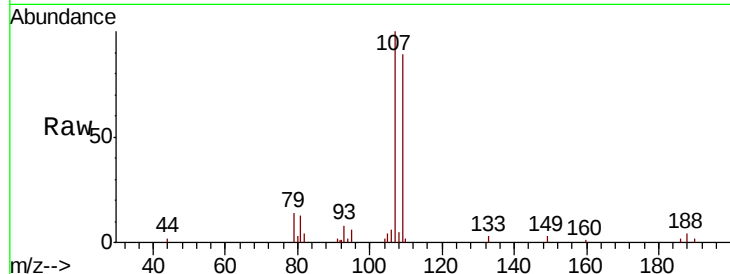




#50
 1,2-Dibromoethane
 Concen: 4.749 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU039774.D
 Acq: 07 Aug 2020 00:09

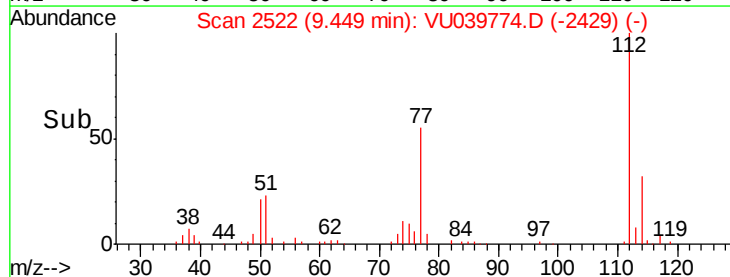
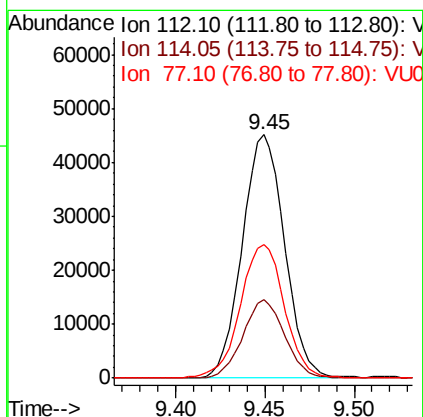
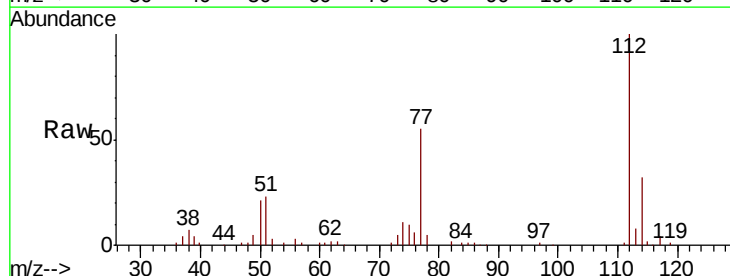
Instrument :
 MSVOA_U
 ClientSampleId :

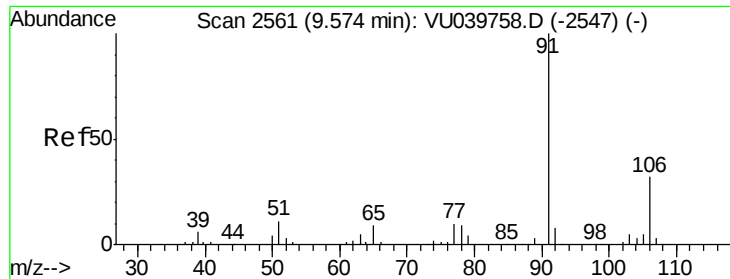
Tot Ion:107 Resp: 21425
 Ion Ratio Lower Upper
 107 100
 109 89.2 63.9 118.7
 188 4.0 2.9 4.3



#51
 Chlorobenzene
 Concen: 4.581 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU039774.D
 Acq: 07 Aug 2020 00:09

Tgt Ion:112 Resp: 74499
 Ion Ratio Lower Upper
 112 100
 114 32.1 23.2 43.0
 77 54.8 47.8 71.6





#52

Ethylbenzene

Concen: 4.440 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

Instrument :

MSVOA_U

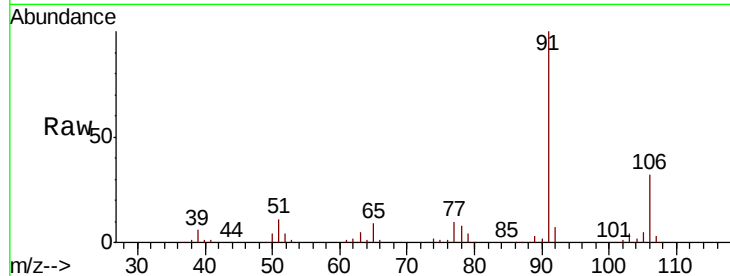
ClientSampleId :

Tot Ion: 91 Resp: 120250

Ion Ratio Lower Upper

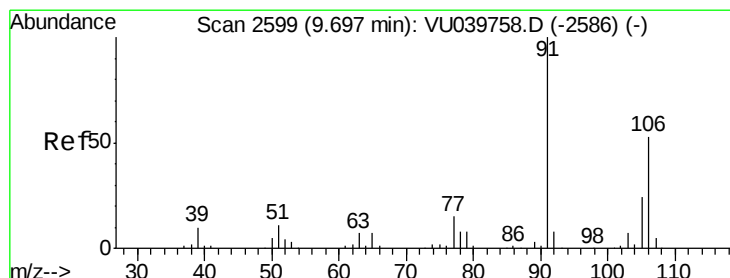
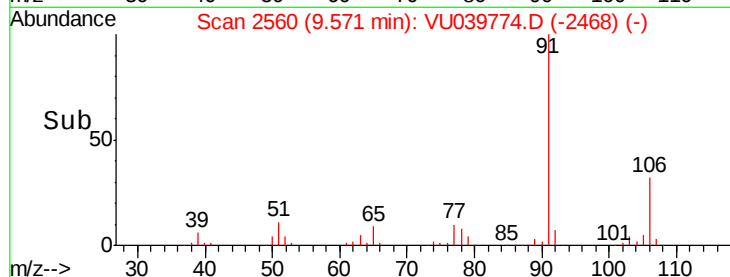
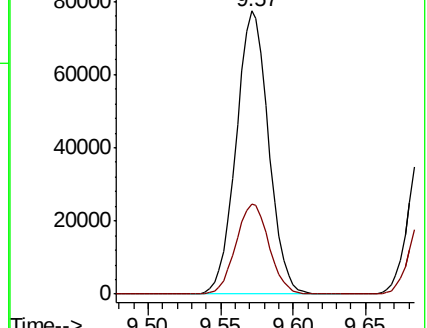
91 100

106 31.9 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039774.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU039774.D (-2547) (-)



#53

m,p-Xylene

Concen: 4.707 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039774.D

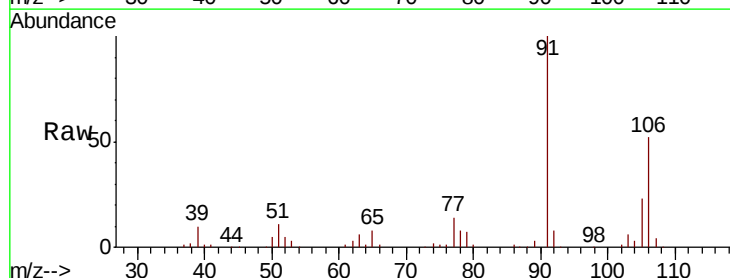
Acq: 07 Aug 2020 00:09

Tgt Ion: 106 Resp: 48549

Ion Ratio Lower Upper

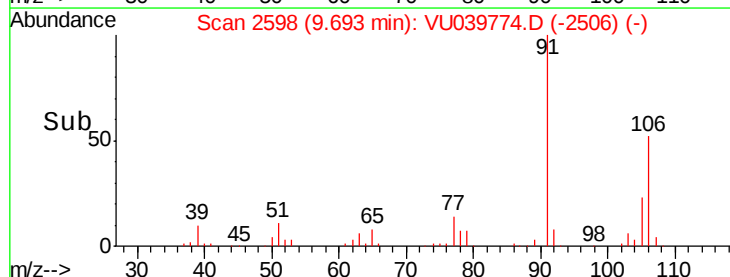
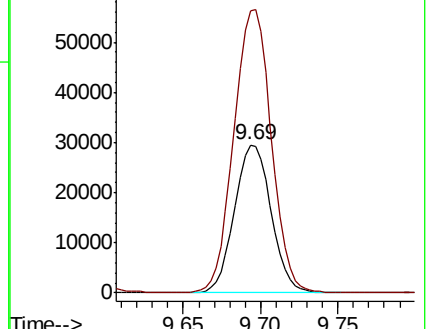
106 100

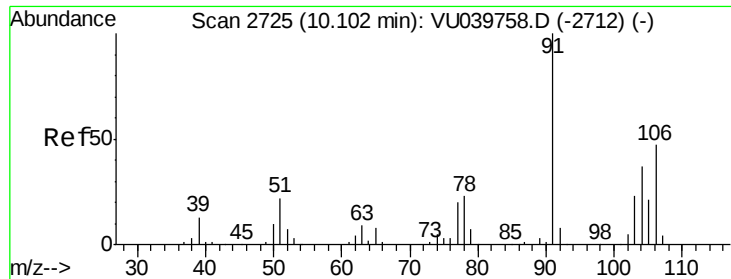
91 191.1 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039774.D (-2598) (-)

Ion 91.15 (90.85 to 91.85): VU039774.D (-2598) (-)

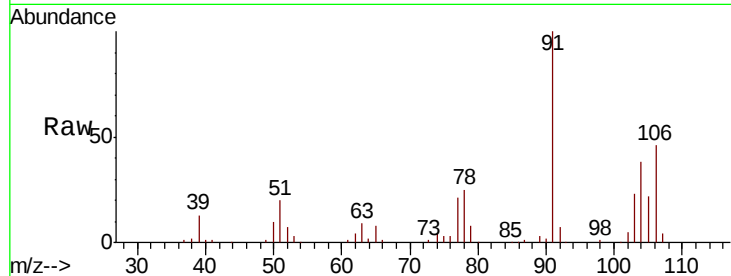




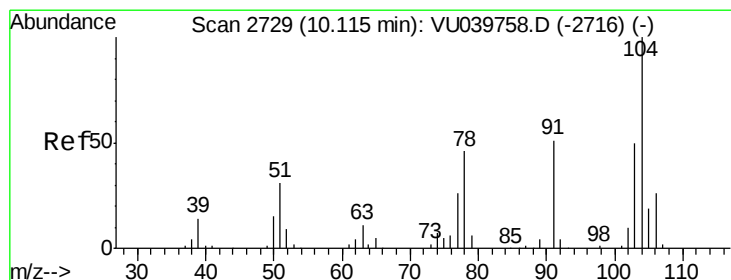
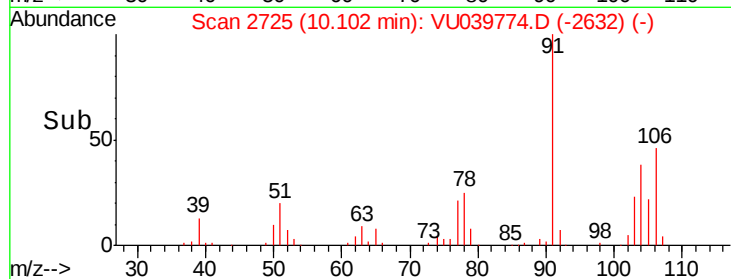
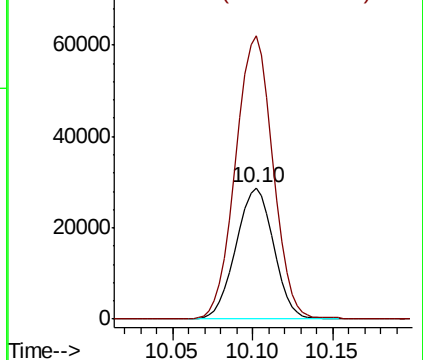
#54
o-Xylene
Concen: 4.584 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039774.D
Acq: 07 Aug 2020 00:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 46297
Ion Ratio Lower Upper
106 100
91 215.1 140.8 261.6

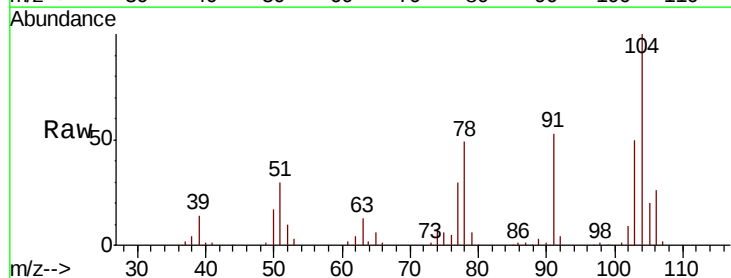


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

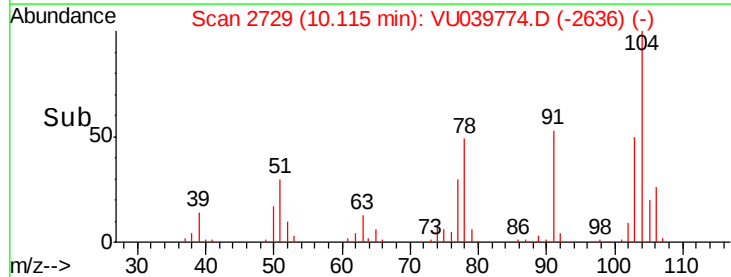
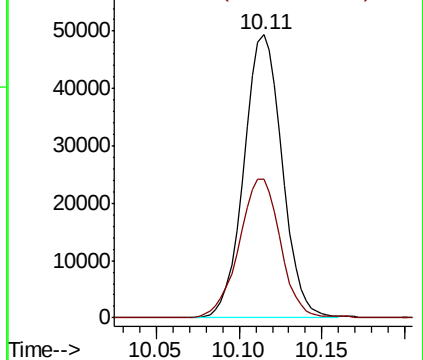


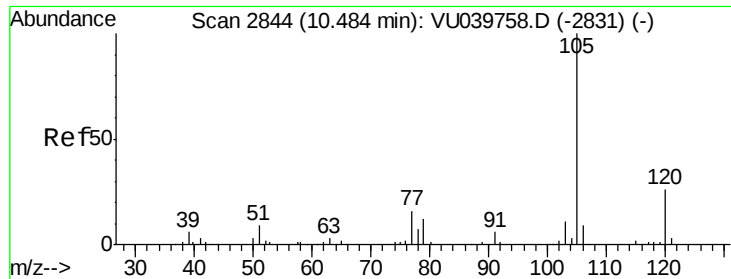
#55
Styrene
Concen: 4.660 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039774.D
Acq: 07 Aug 2020 00:09

Tgt Ion:104 Resp: 79250
Ion Ratio Lower Upper
104 100
78 48.8 32.3 60.1



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





#56

Isopropylbenzene

Concen: 4.287 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

Instrument :

MSVOA_U

ClientSampleId :

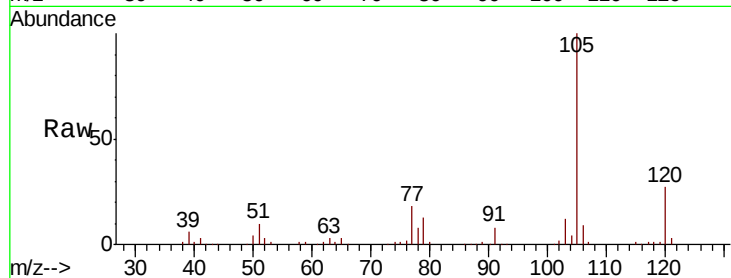
Tot Ion:105 Resp: 115704

Ion Ratio Lower Upper

105 100

120 27.5 21.0 31.6

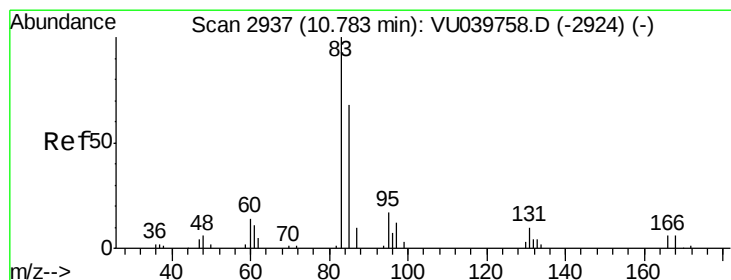
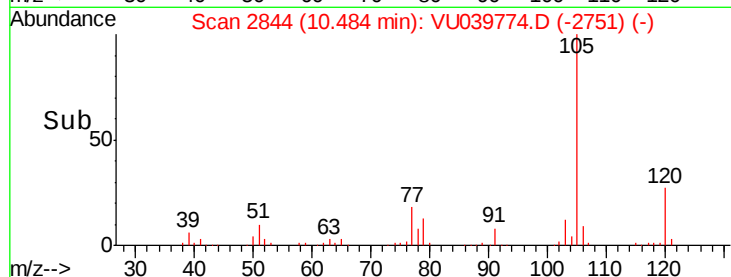
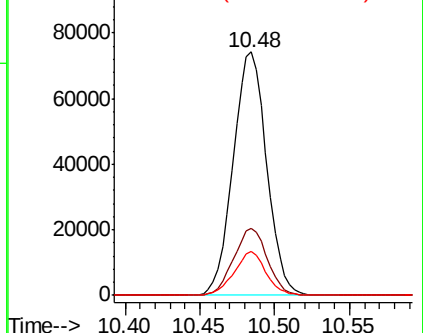
77 16.9 12.9 19.3



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: 4.298 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

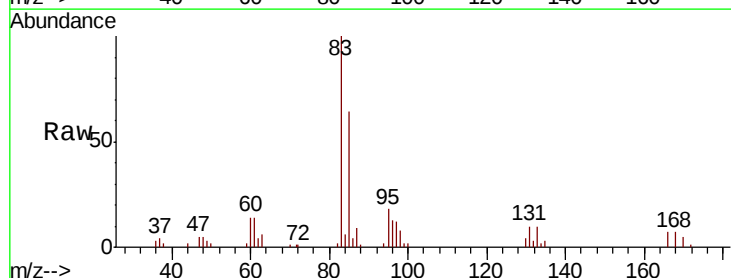
Tgt Ion: 83 Resp: 27207

Ion Ratio Lower Upper

83 100

85 64.2 44.4 82.4

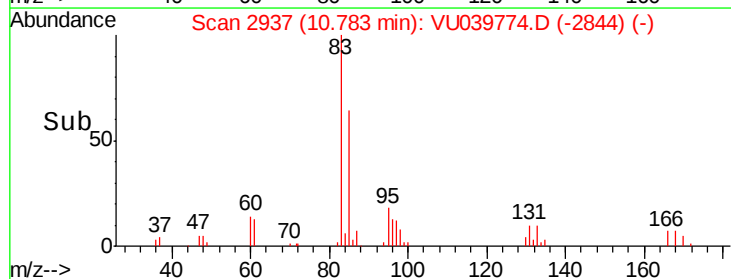
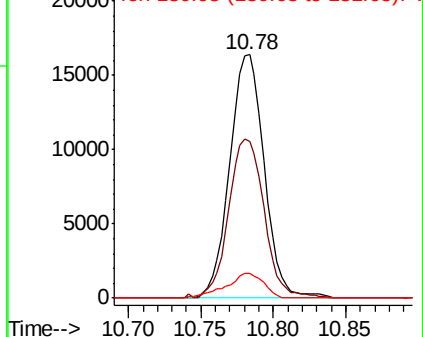
131 10.0 7.4 11.0

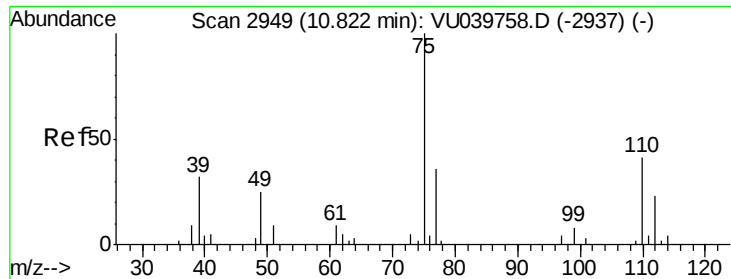


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.634 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

Instrument :

MSVOA_U

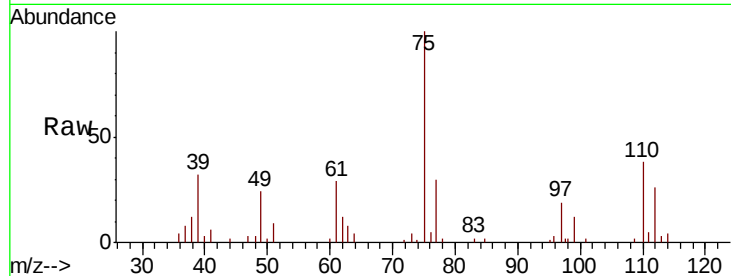
ClientSampled :

Tot Ion: 75 Resp: 20446

Ion Ratio Lower Upper

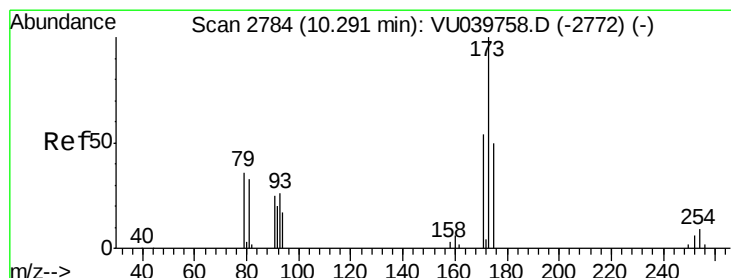
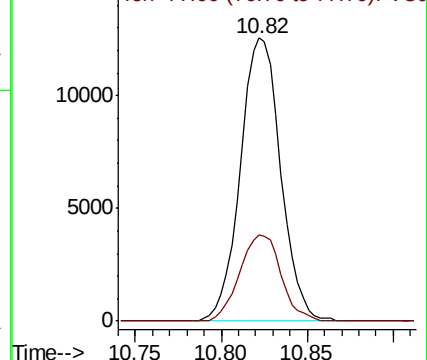
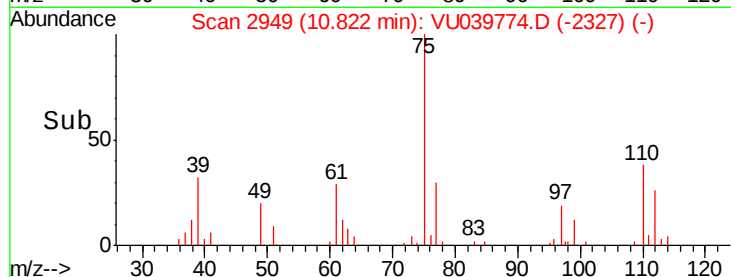
75 100

77 31.2 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU039774.D (-2327) (-)

Ion 77.00 (76.70 to 77.70): VU039774.D (-2327) (-)



#61

Bromoform

Concen: 4.717 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

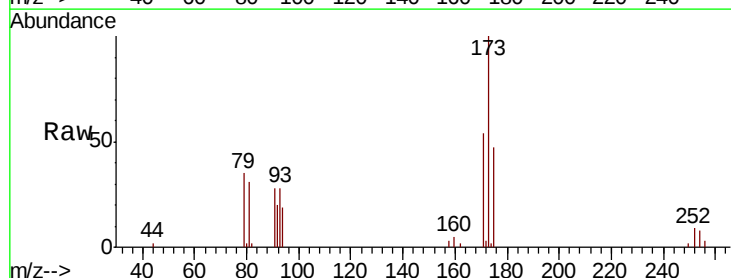
Tgt Ion: 173 Resp: 13887

Ion Ratio Lower Upper

173 100

175 47.3 33.8 50.8

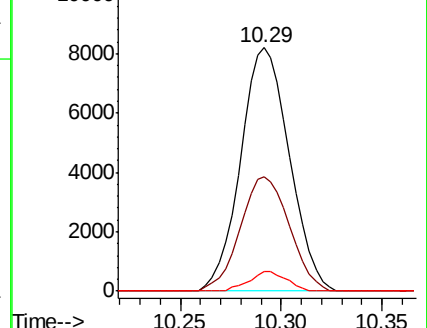
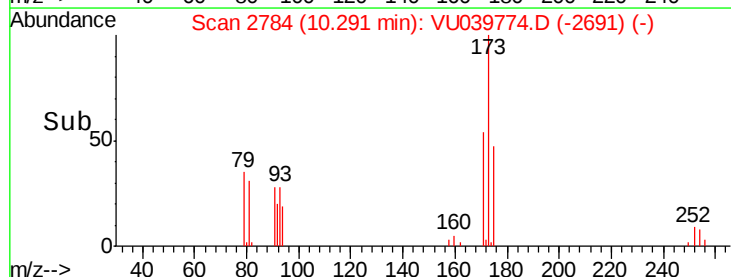
254 6.1 5.5 8.3

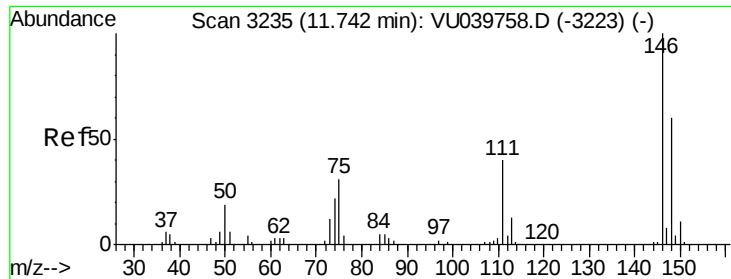


Abundance Ion 172.90 (172.60 to 173.60): VU039774.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VU039774.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VU039774.D (-2691) (-)

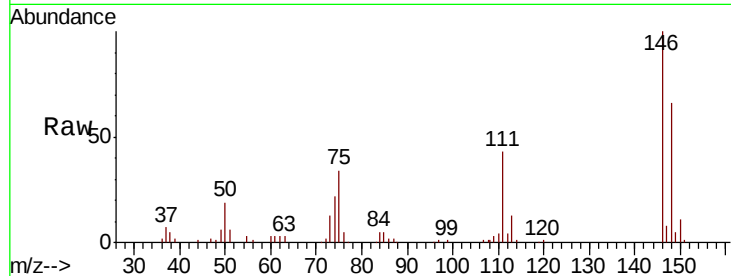




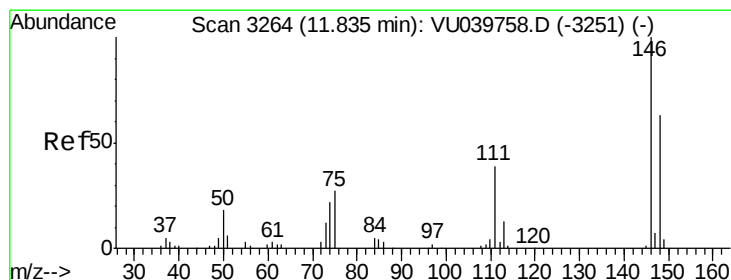
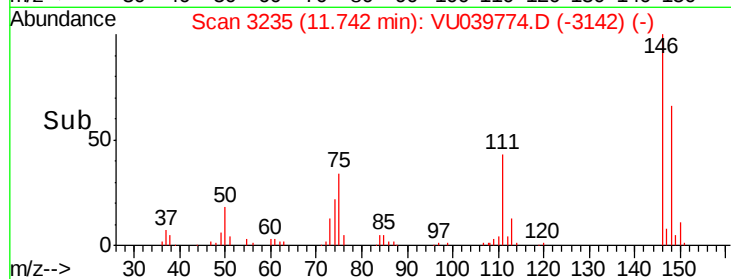
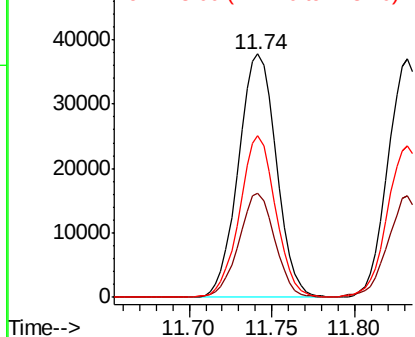
#62
 1,3-Dichlorobenzene
 Concen: 4.723 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039774.D
 Acq: 07 Aug 2020 00:09

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 60235
 Ion Ratio Lower Upper
 146 100
 111 42.9 27.7 51.5
 148 66.4 45.2 84.0

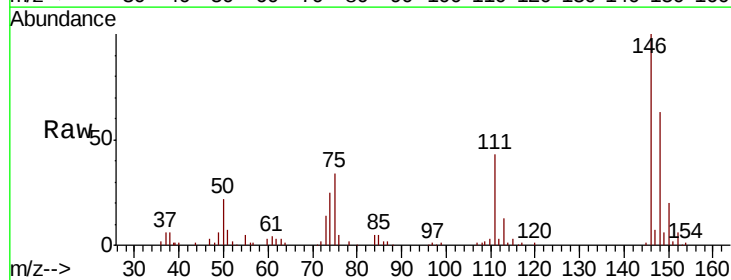


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

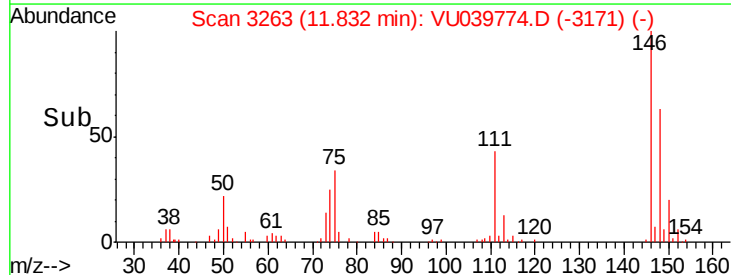
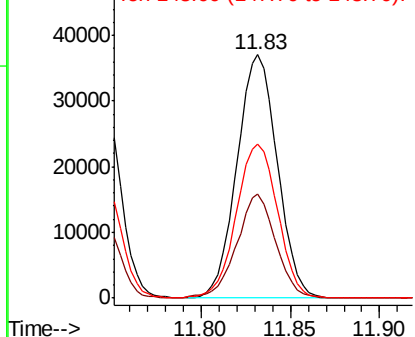


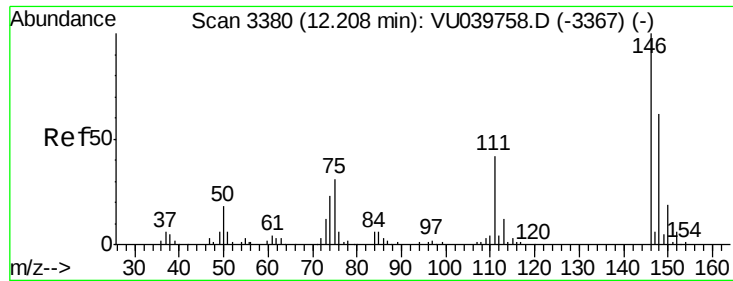
#63
 1,4-Dichlorobenzene
 Concen: 4.361 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039774.D
 Acq: 07 Aug 2020 00:09

Tgt Ion:146 Resp: 58630
 Ion Ratio Lower Upper
 146 100
 111 42.6 26.5 49.3
 148 63.3 45.3 84.1



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

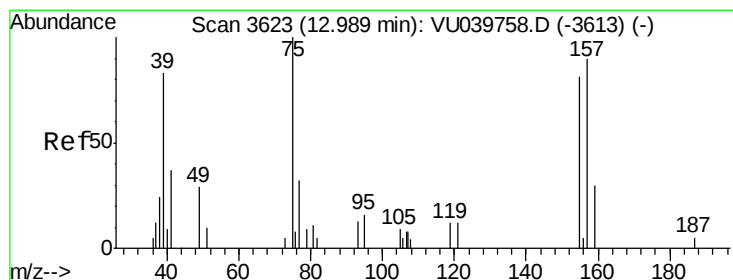
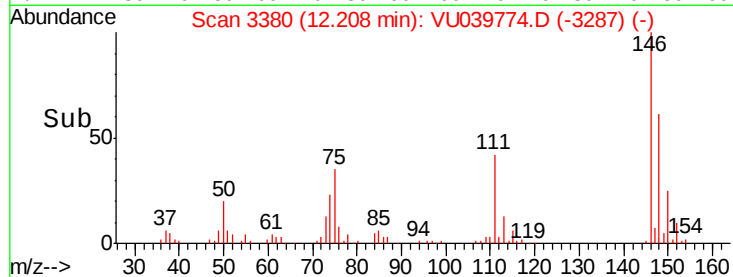
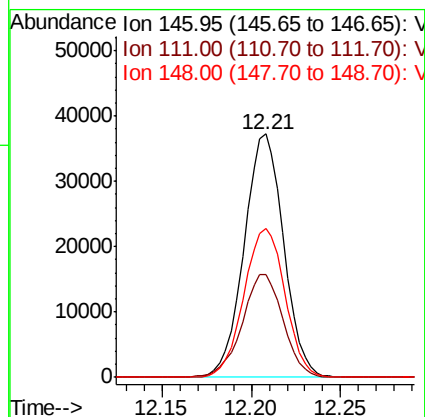
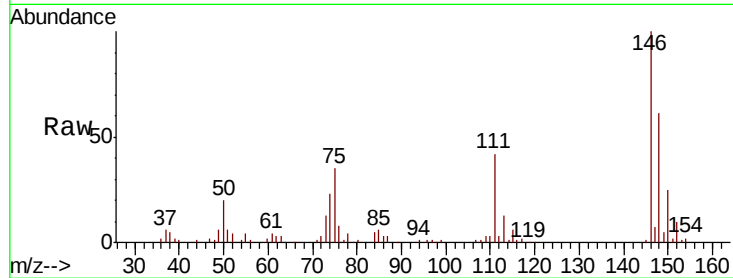




#65
 1,2-Dichlorobenzene
 Concen: 4.579 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039774.D
 Acq: 07 Aug 2020 00:09

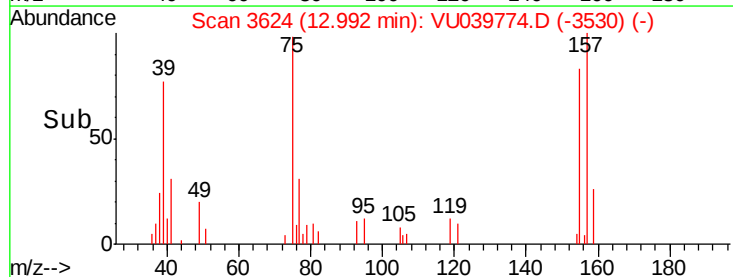
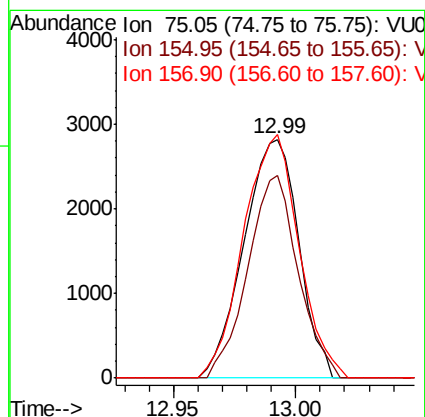
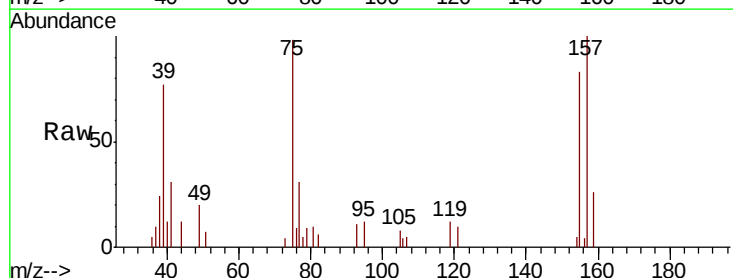
Instrument :
 MSVOA_U
 ClientSampleId :

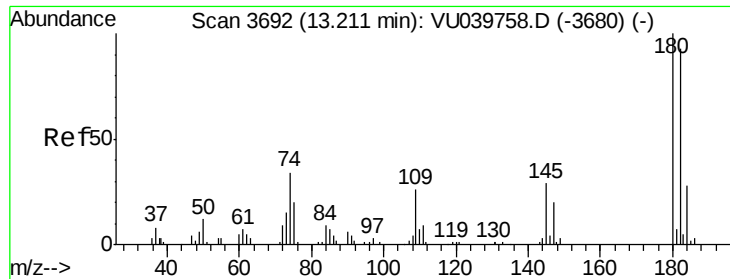
Tot Ion:146 Resp: 57532
 Ion Ratio Lower Upper
 146 100
 111 42.0 33.1 49.7
 148 61.0 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.624 ug/L
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU039774.D
 Acq: 07 Aug 2020 00:09

Tgt Ion: 75 Resp: 4392
 Ion Ratio Lower Upper
 75 100
 155 85.1 64.0 96.0
 157 102.0 77.0 115.6

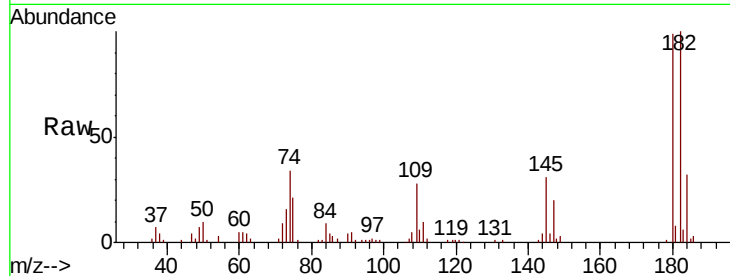




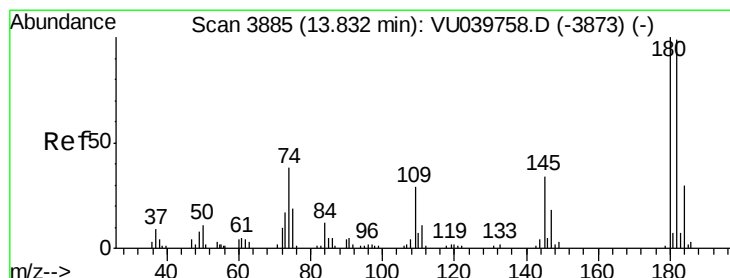
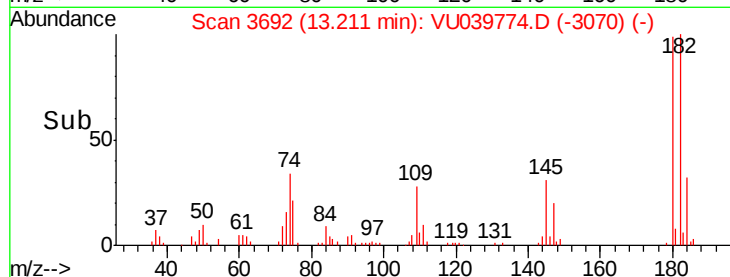
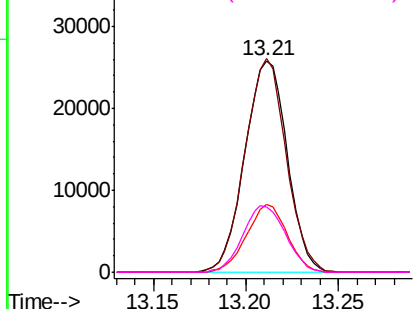
#67
 1,3,5-Trichlorobenzene
 Concen: 4.248 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039774.D
 Acq: 07 Aug 2020 00:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	41060
Ion	Ratio	Lower Upper
180	100	
182	98.7	74.9 112.3
184	30.7	25.3 37.9
145	31.7	25.0 37.6

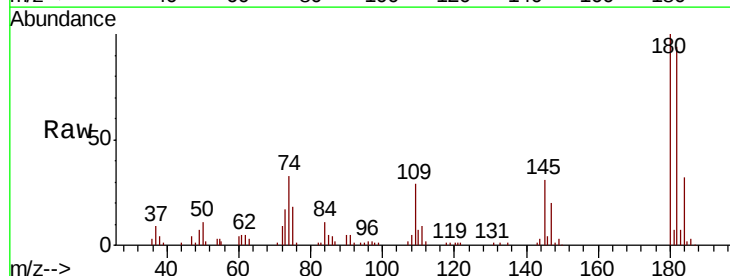


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

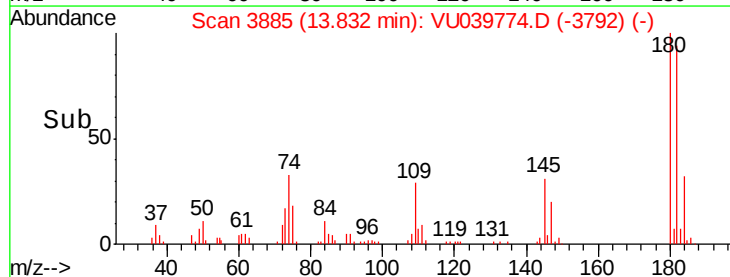
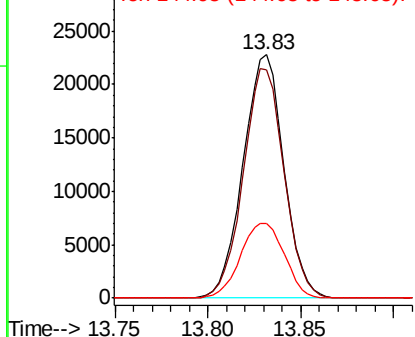


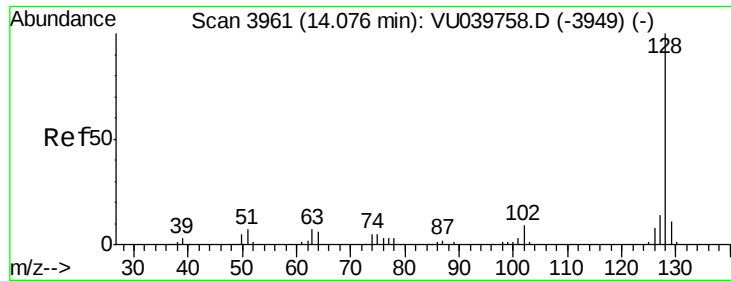
#68
 1,2,4-trichlorobenzene
 Concen: 4.297 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039774.D
 Acq: 07 Aug 2020 00:09

Tgt Ion:180	Resp:	34803
Ion	Ratio	Lower Upper
180	100	
182	93.9	75.7 113.5
145	33.0	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: 4.537 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

Instrument :

MSVOA_U

ClientSampled :

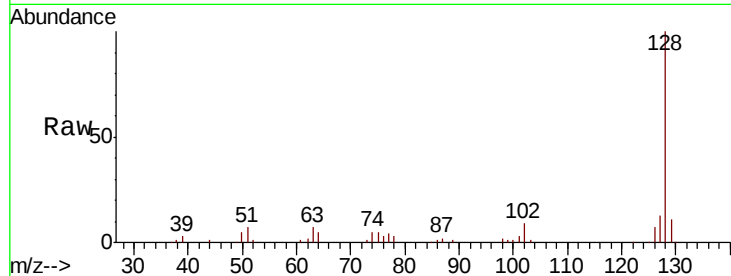
Tot Ion:128 Resp: 65711

Ion Ratio Lower Upper

128 100

129 10.4 8.9 13.3

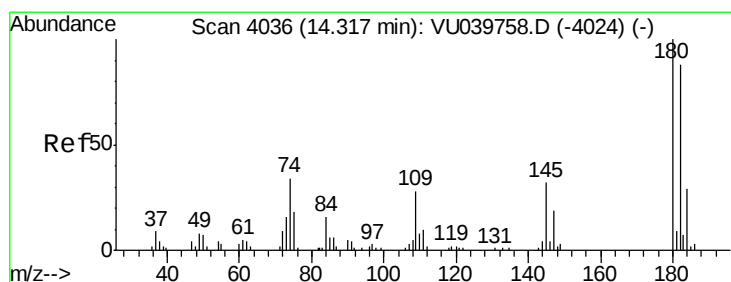
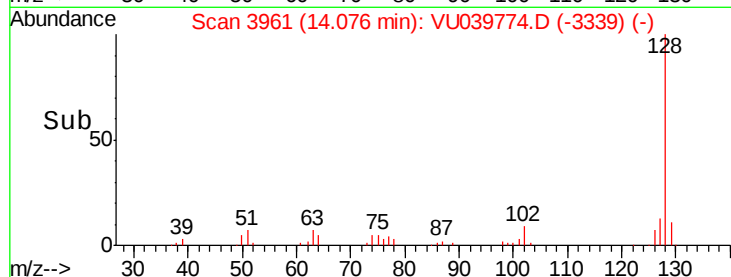
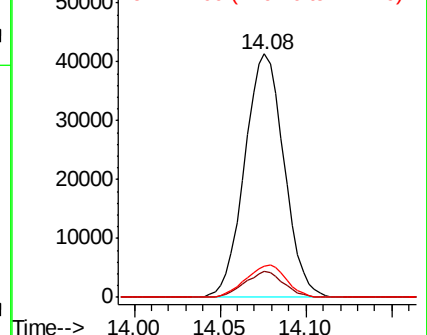
127 13.6 10.1 15.1



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: 4.642 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU039774.D

Acq: 07 Aug 2020 00:09

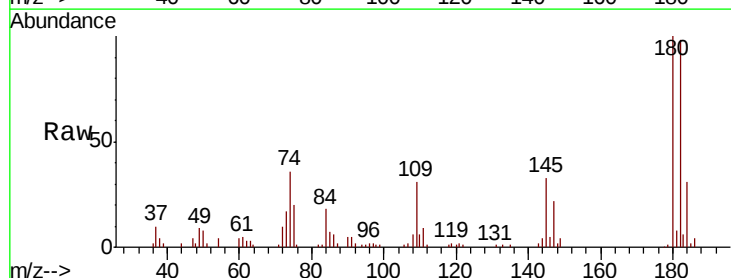
Tgt Ion:180 Resp: 33735

Ion Ratio Lower Upper

180 100

182 98.8 76.1 114.1

145 33.1 27.4 41.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

