

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080620\
 Data File : VU039748.D
 Acq On : 06 Aug 2020 10:59
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 07 03:20:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 04 01:08:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	74835	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	71784	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	37225	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	21498	5.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.40%
7) Chloroethane-d5	1.92	69	20529	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.58	63	42729	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.00%
20) 2-Butanone-d5	4.66	46	82975	46.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.38%
24) Chloroform-d	5.08	84	51860	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.72	65	28296	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.74	84	90055	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.70	67	29762	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.90	98	75249	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	8.19	79	11414	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
46) 2-Hexanone-d5	8.64	63	57337	47.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26511	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	30667	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	30560	5.064	ug/L 99
3) Chloromethane	1.53	50	33741	5.317	ug/L 97
5) Vinyl chloride	1.61	62	34094	5.603	ug/L 99
6) Bromomethane	1.86	94	19435	5.048	ug/L 97
8) Chloroethane	1.94	64	20799	4.662	ug/L 99
9) Trichlorofluoromethane	2.15	101	51031	5.393	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	27797	5.414	ug/L 94
12) 1,1-Dichloroethene	2.59	96	25503	5.713	ug/L 89
13) Acetone	2.66	43	48377	46.170	ug/L 96
14) Carbon disulfide	2.80	76	77986	5.587	ug/L 97
15) Methyl Acetate	2.97	43	12577	4.867	ug/L 98
16) Methylene chloride	3.06	84	34328	4.770	ug/L 93
17) Methyl tert-butyl Ether	3.38	73	61361	5.177	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	26650	5.362	ug/L 96
19) 1,1-Dichloroethane	3.89	63	48677	5.305	ug/L 97
21) 2-Butanone	4.74	43	79426	48.101	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	28907	5.348	ug/L 97

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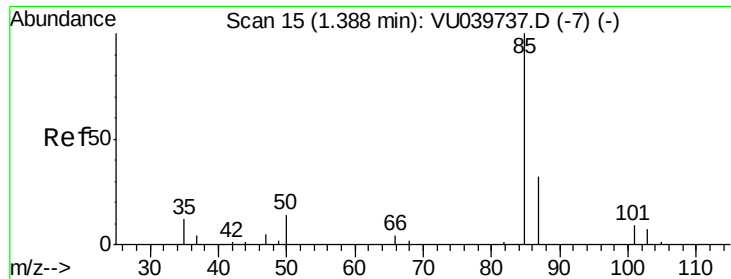
Instrument :
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Quant Time: Aug 07 03:20:48 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.99	128	13280	5.231	ug/L	94
25) Chloroform	5.11	83	51649	5.237	ug/L	96
27) 1,2-Dichloroethane	5.81	62	33878	4.984	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	43537	5.437	ug/L	99
30) Cyclohexane	5.40	56	41599	5.399	ug/L	99
31) Carbon tetrachloride	5.54	117	39377	5.360	ug/L	98
33) Benzene	5.79	78	107106	5.476	ug/L	100
34) Trichloroethene	6.56	95	27820	5.477	ug/L	97
35) Methylcyclohexane	6.77	83	42358	5.225	ug/L	94
37) 1,2-Dichloropropane	6.80	63	27640	5.321	ug/L #	96
38) Bromodichloromethane	7.11	83	36561	5.379	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	37949	5.356	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	187015	48.175	ug/L	99
42) Toluene	7.98	91	111434	5.422	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	34918	5.471	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	20175	5.163	ug/L	93
47) Tetrachloroethene	8.56	164	20520	4.897	ug/L	94
48) 2-Hexanone	8.69	43	137598	49.086	ug/L	99
49) Dibromochloromethane	8.82	129	24515	5.112	ug/L	93
50) 1,2-Dibromoethane	8.93	107	18986	4.955	ug/L	99
51) Chlorobenzene	9.45	112	71917	5.207	ug/L	98
52) Ethylbenzene	9.57	91	120750	5.249	ug/L	97
53) m,p-Xylene	9.69	106	47284	5.398	ug/L	93
54) o-Xylene	10.10	106	46210	5.387	ug/L	96
55) Styrene	10.11	104	77107	5.338	ug/L	99
56) Isopropylbenzene	10.48	105	119438	5.210	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	25541	4.751	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	18796	5.016	ug/L	97
61) Bromoform	10.29	173	13583	5.400	ug/L	92
62) 1,3-Dichlorobenzene	11.74	146	58347	5.355	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	56457	4.916	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	55031	5.127	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	4136	5.097	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	41714	5.052	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	35010	5.060	ug/L	99
69) Naphthalene	14.08	128	60220	4.867	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	33022	5.319	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 5.064 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

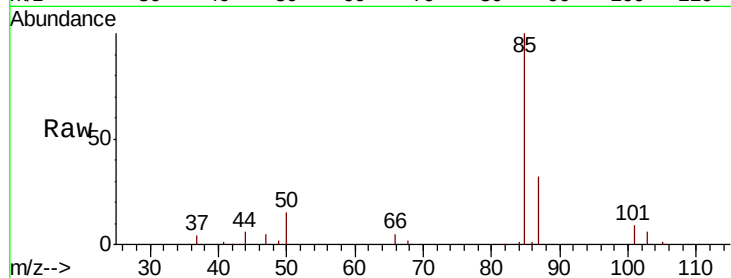
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 30560

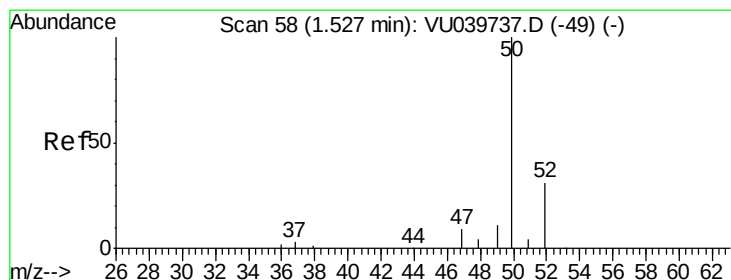
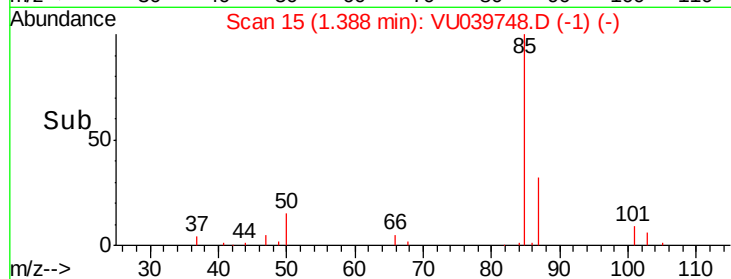
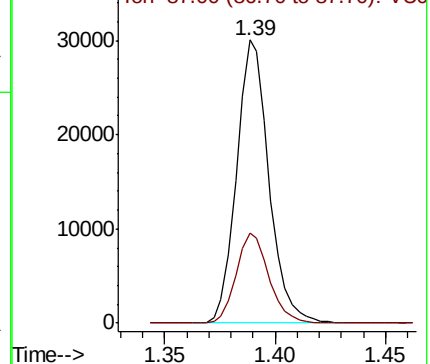
Ion Ratio Lower Upper

85 100

87 32.0 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.317 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039748.D

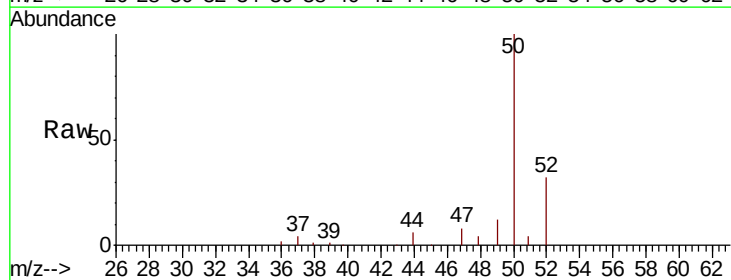
Acq: 06 Aug 2020 10:59

Tgt Ion: 50 Resp: 33741

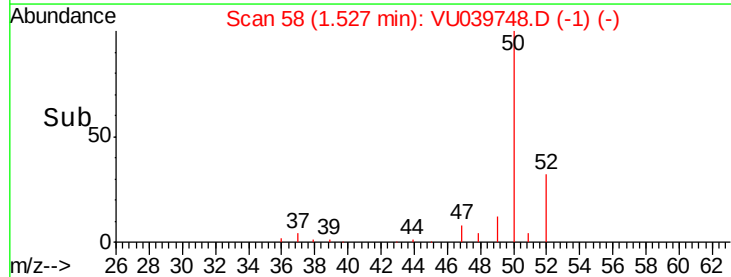
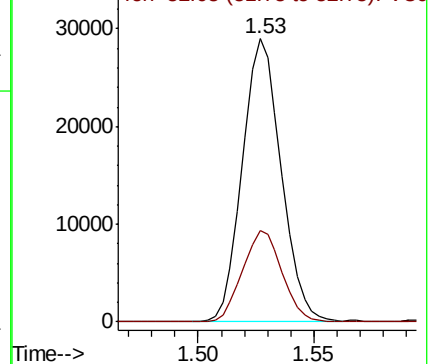
Ion Ratio Lower Upper

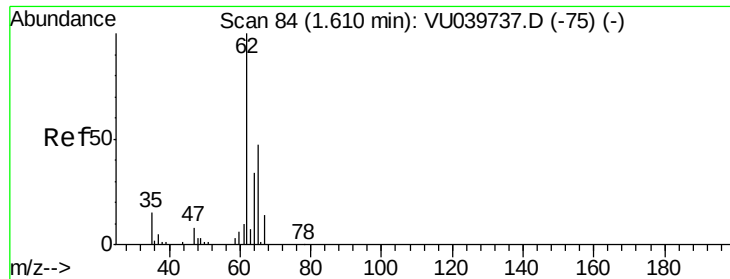
50 100

52 32.2 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU0
Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.603 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

Instrument :

MSVOA_U

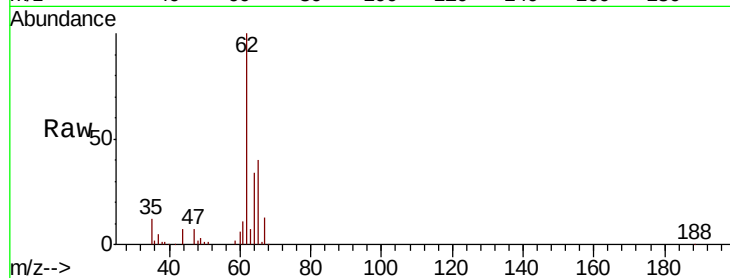
ClientSampleId :

Tot Ion: 62 Resp: 34094

Ion Ratio Lower Upper

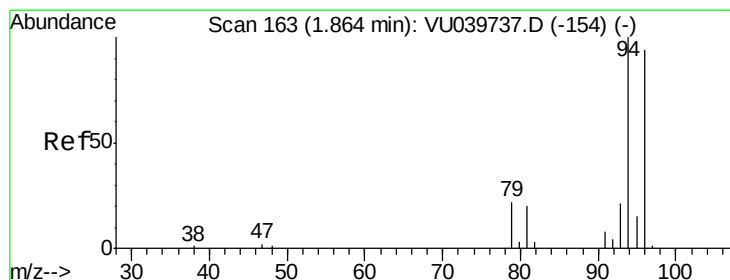
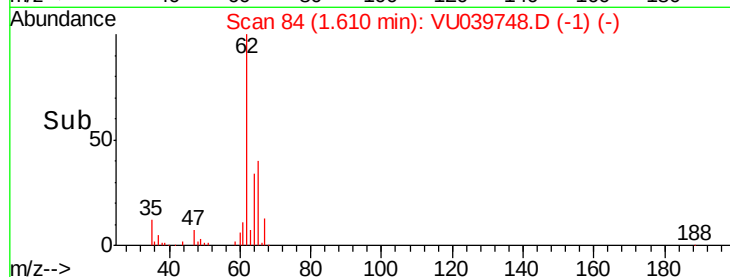
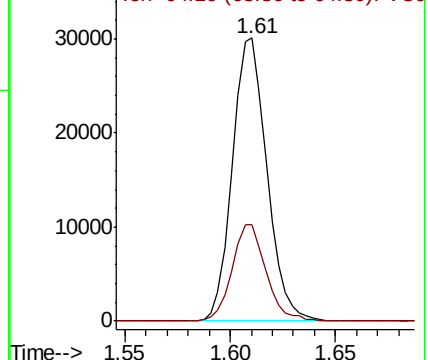
62 100

64 34.0 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU039737.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039737.D (-75) (-)



#6

Bromomethane

Concen: 5.048 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU039748.D

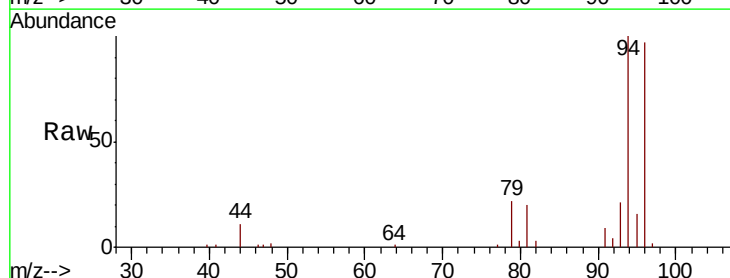
Acq: 06 Aug 2020 10:59

Tgt Ion: 94 Resp: 19435

Ion Ratio Lower Upper

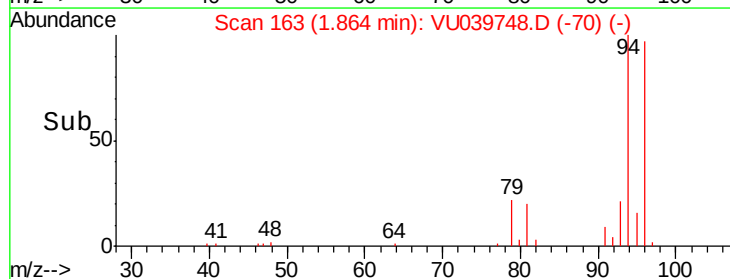
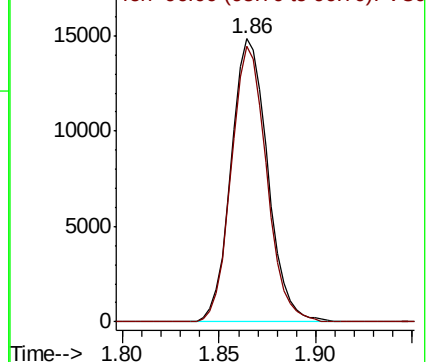
94 100

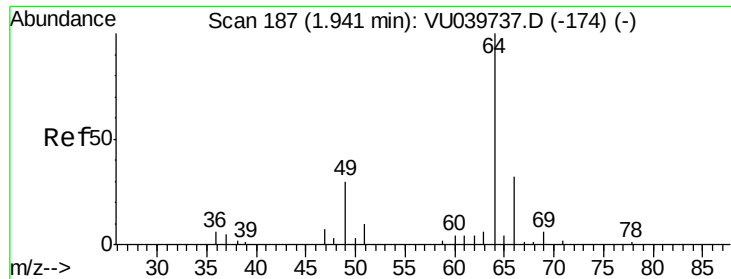
96 97.3 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU039737.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU039737.D (-154) (-)

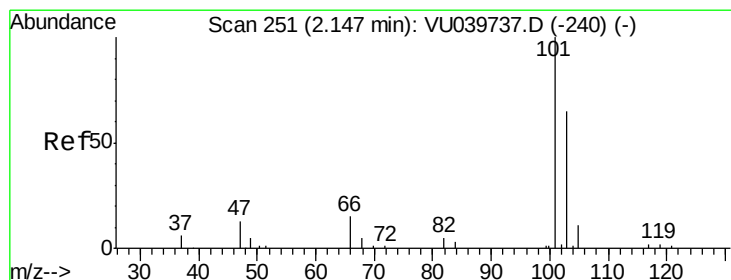
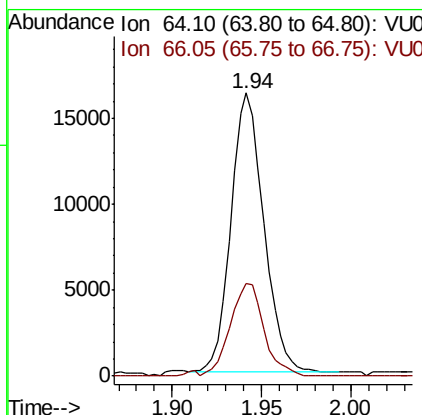
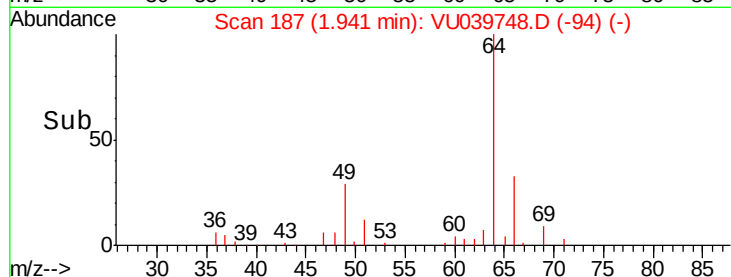
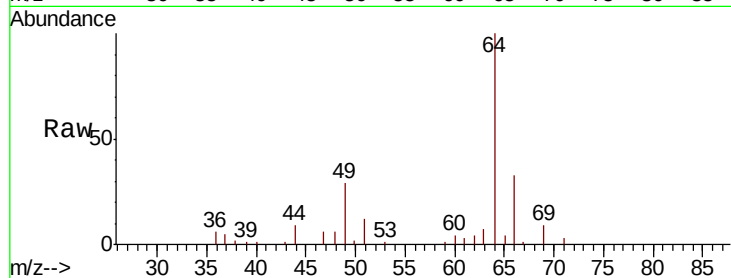




#8
Chloroethane
Concen: 4.662 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU039748.D
Acq: 06 Aug 2020 10:59

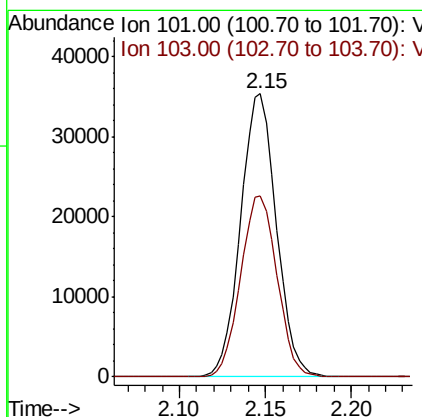
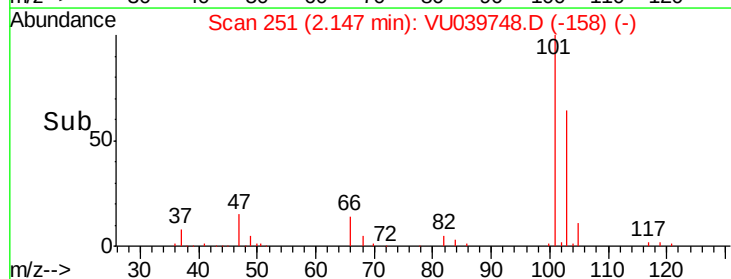
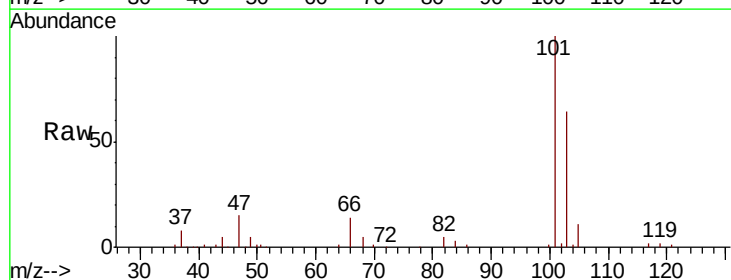
Instrument :
MSVOA_U
ClientSampled :

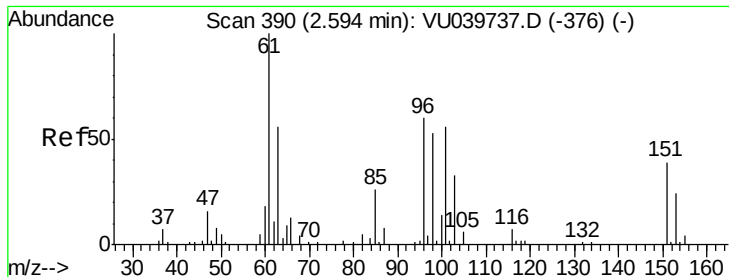
Tot Ion: 64 Resp: 20799
Ion Ratio Lower Upper
64 100
66 32.6 22.3 41.3



#9
Trichlorofluoromethane
Concen: 5.393 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU039748.D
Acq: 06 Aug 2020 10:59

Tgt Ion:101 Resp: 51031
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.2





#10

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

Concen: 5.414 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

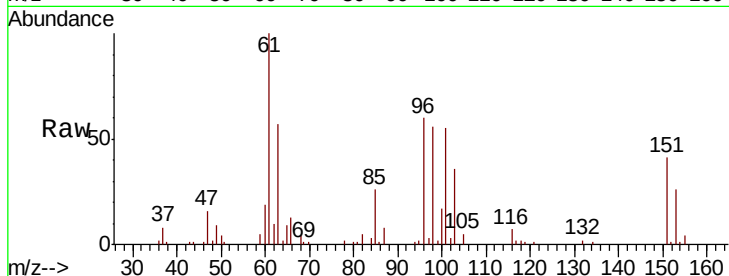
Tot Ion:101 Resp: 27797

Ion Ratio Lower Upper

101 100

85 45.2 37.9 56.9

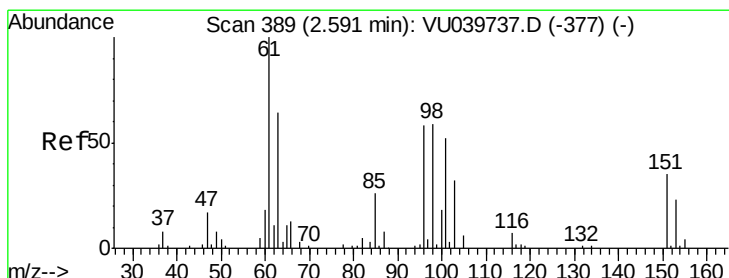
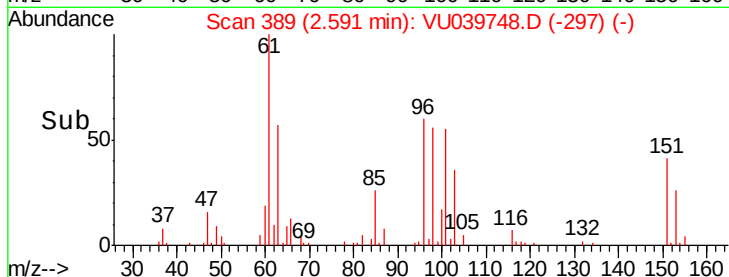
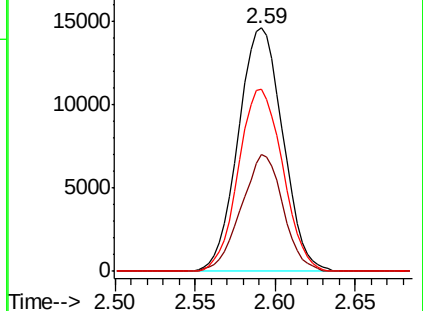
151 74.3 54.7 82.1



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: 5.713 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

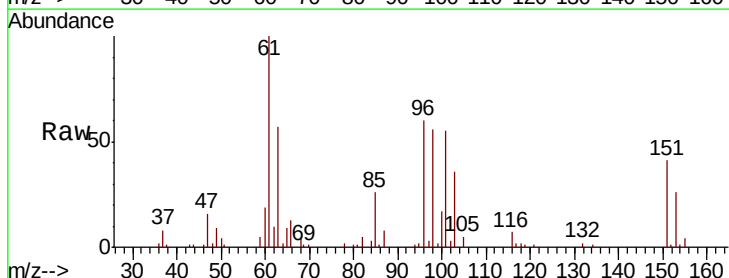
Tgt Ion: 96 Resp: 25503

Ion Ratio Lower Upper

96 100

61 167.4 121.7 225.9

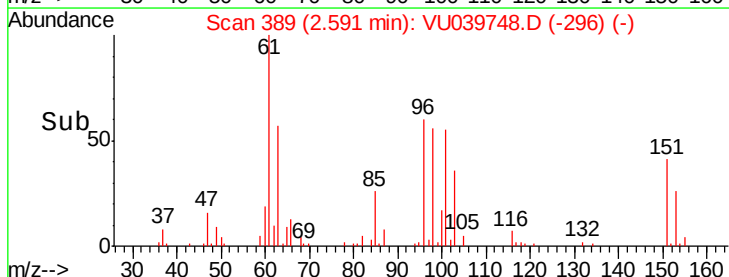
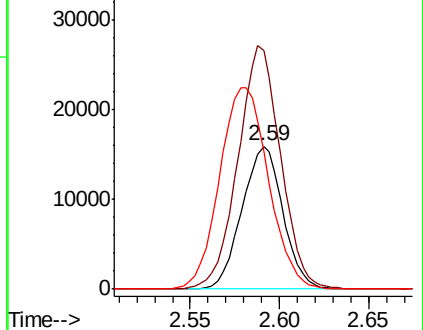
63 96.2 82.1 152.5

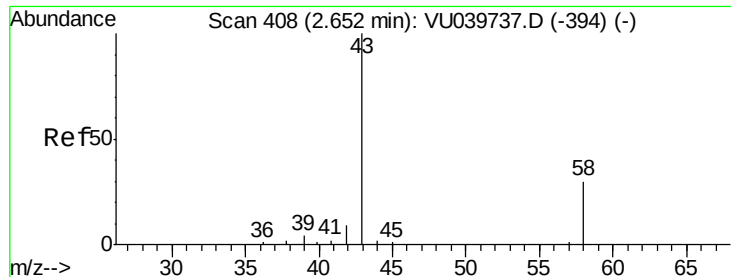


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.170 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

Instrument :

MSVOA_U

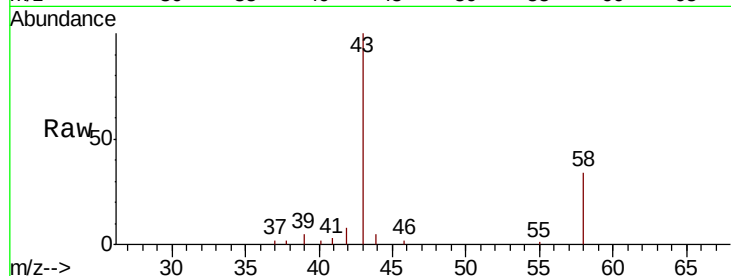
ClientSampled :

Tot Ion: 43 Resp: 48377

Ion Ratio Lower Upper

43 100

58 33.2 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039737.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VU039737.D (-394) (-)

15000

10000

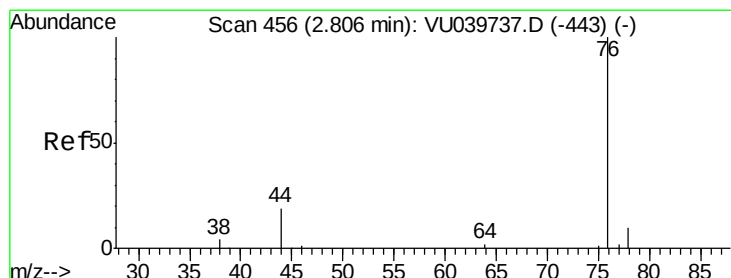
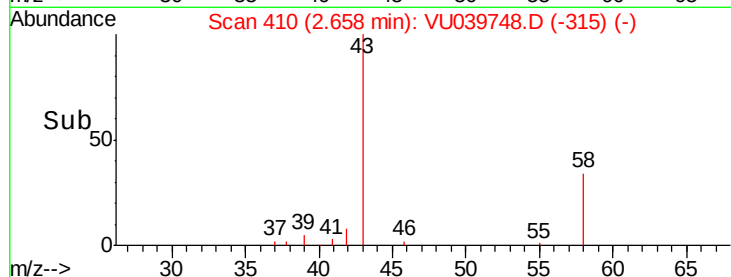
5000

0

Time-->

2.60 2.70 2.80

2.66



#14

Carbon disulfide

Concen: 5.587 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU039748.D

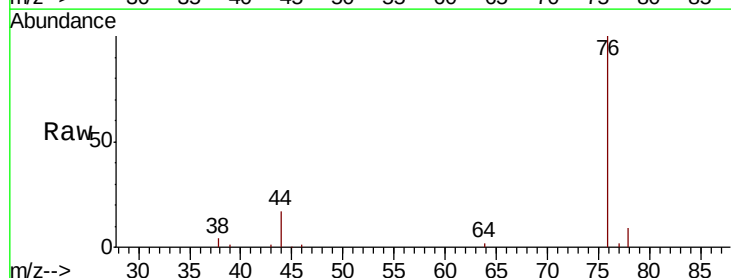
Acq: 06 Aug 2020 10:59

Tgt Ion: 76 Resp: 77986

Ion Ratio Lower Upper

76 100

78 8.7 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU039737.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039737.D (-443) (-)

50000

40000

30000

20000

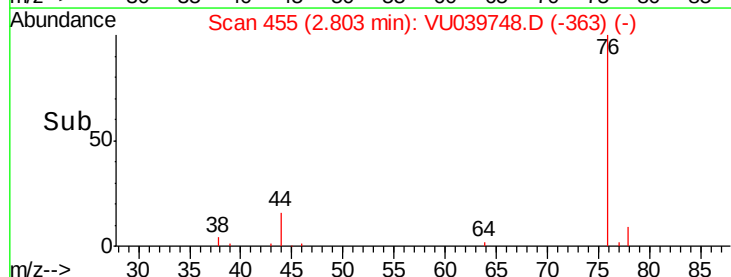
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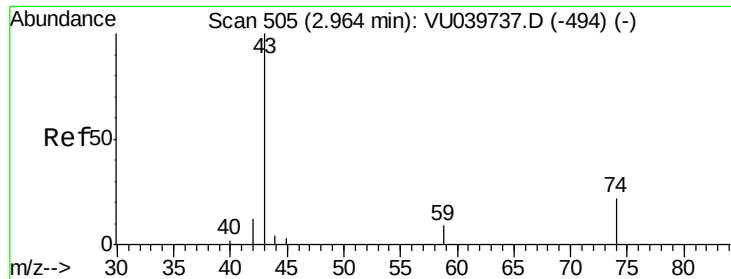
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Time-->

2.75 2.80 2.85 2.90

2.80

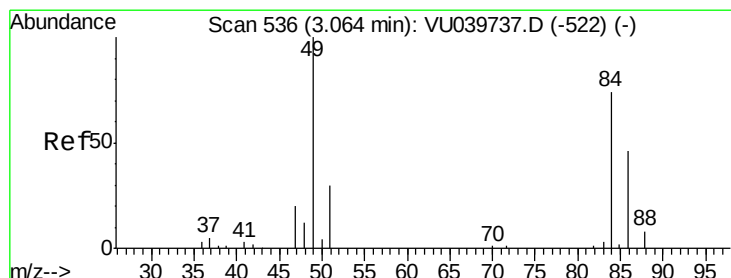
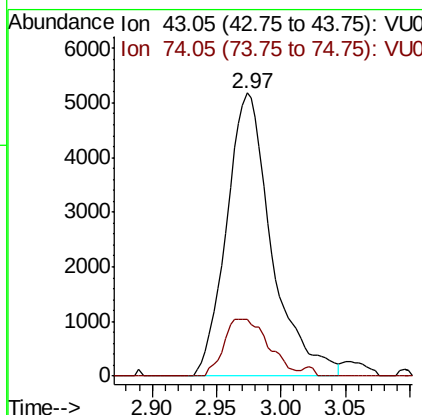
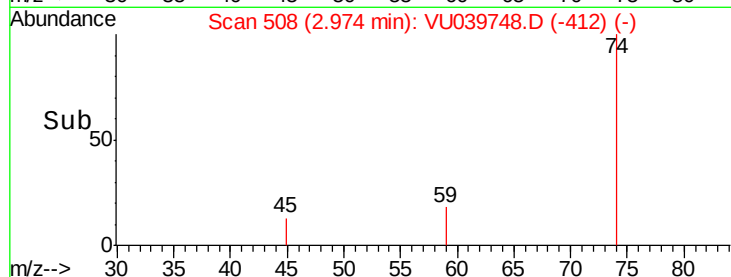
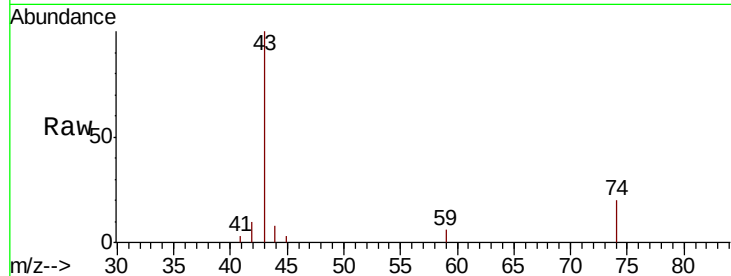




#15
Methyl Acetate
Concen: 4.867 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU039748.D
Acq: 06 Aug 2020 10:59

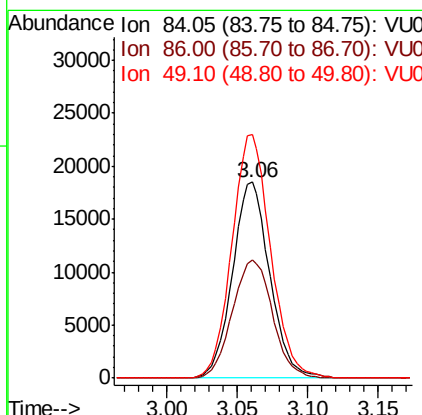
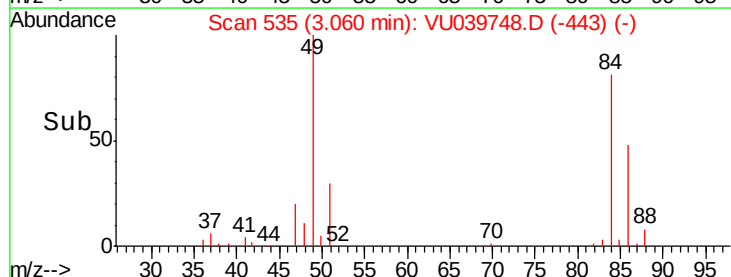
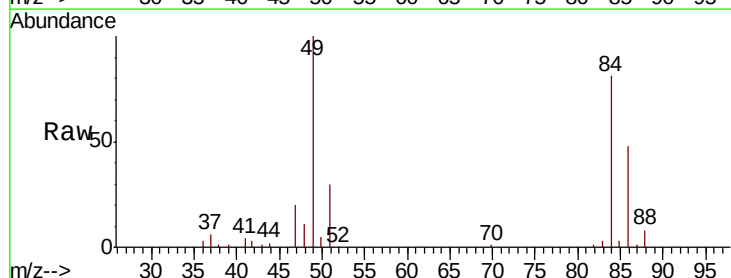
Instrument :
MSVOA_U
ClientSampled :

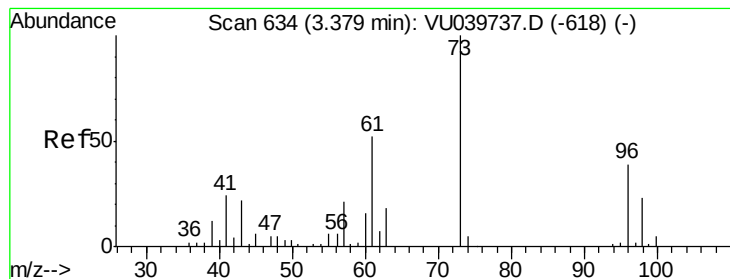
Tot Ion: 43 Resp: 12577
Ion Ratio Lower Upper
43 100
74 19.8 16.6 25.0



#16
Methylene chloride
Concen: 4.770 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039748.D
Acq: 06 Aug 2020 10:59

Tgt Ion: 84 Resp: 34328
Ion Ratio Lower Upper
84 100
86 60.0 43.9 81.5
49 124.2 94.4 175.4



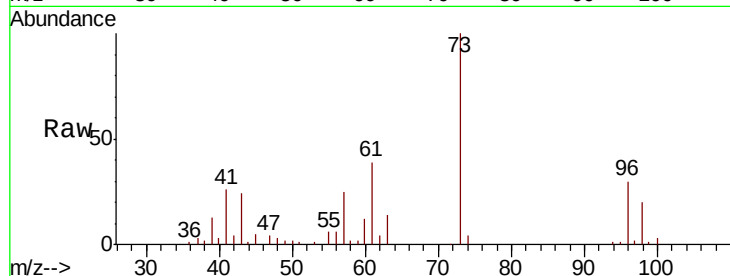


#17

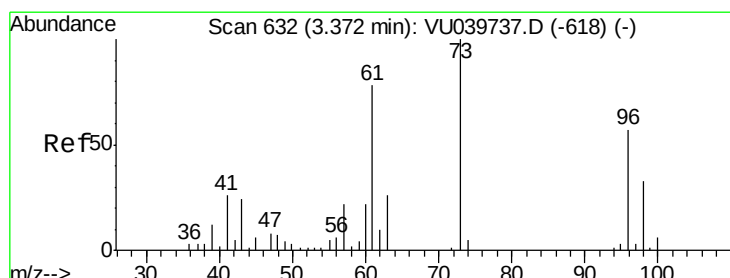
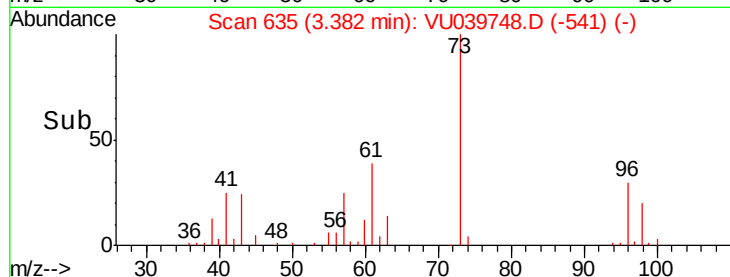
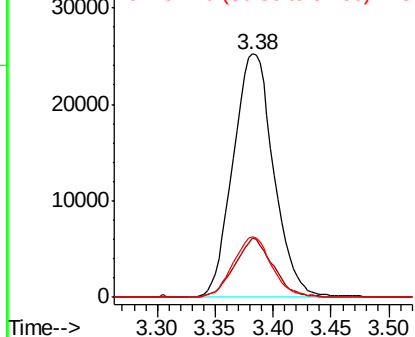
Methyl tert-butyl Ether
 Concen: 5.177 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 61361
 Ion Ratio Lower Upper
 73 100
 43 22.8 18.2 27.4
 57 23.7 17.8 26.8



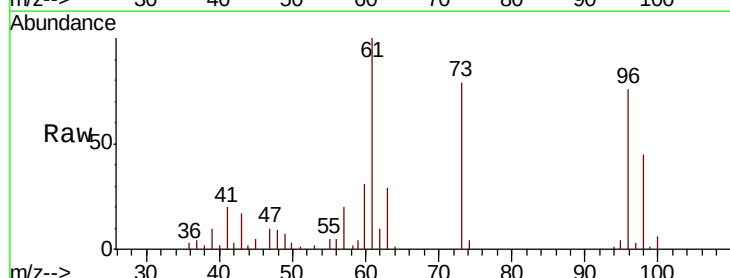
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



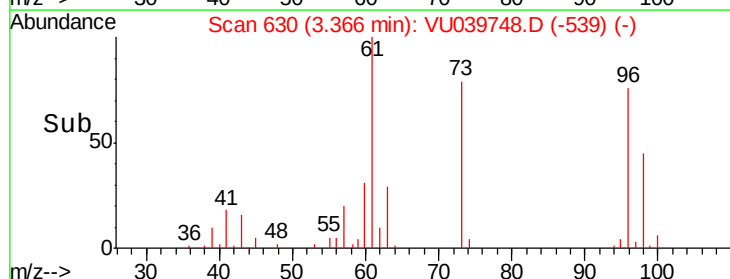
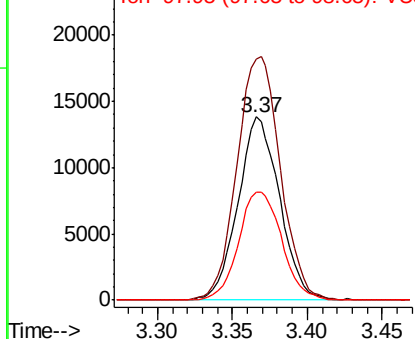
#18

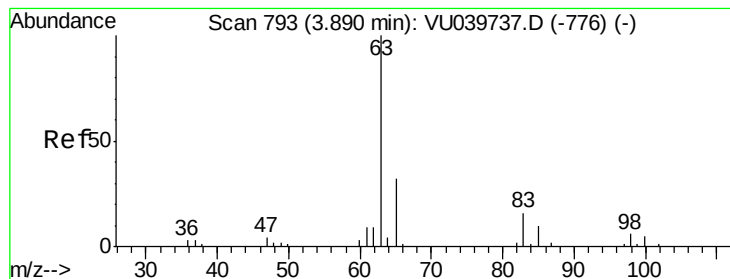
trans-1,2-Dichloroethene
 Concen: 5.362 ug/L
 RT: 3.37 min Scan# 630
 Delta R.T. -0.01 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

Tgt Ion: 96 Resp: 26650
 Ion Ratio Lower Upper
 96 100
 61 131.6 96.5 179.1
 98 58.6 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: 5.305 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

Instrument :
MSVOA_U
ClientSampled :

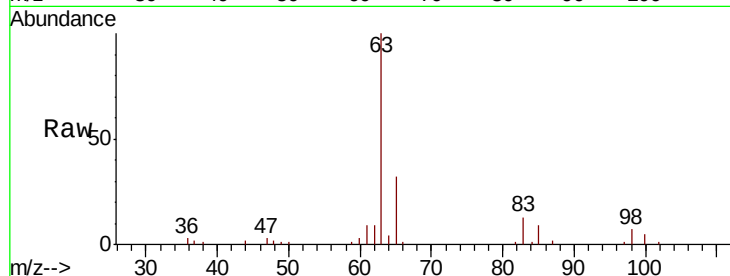
Tot Ion: 63 Resp: 48677

Ion Ratio Lower Upper

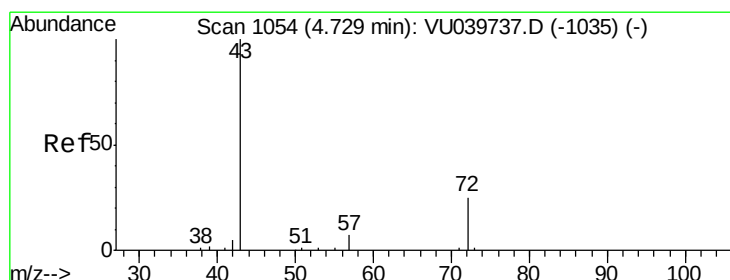
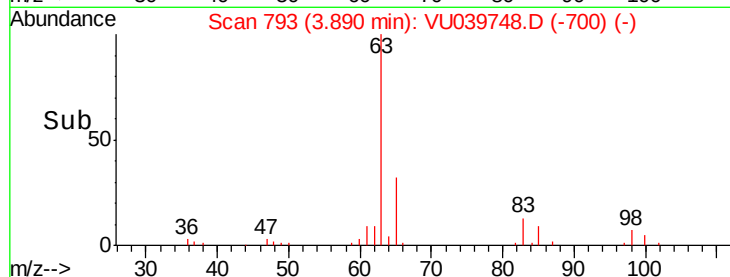
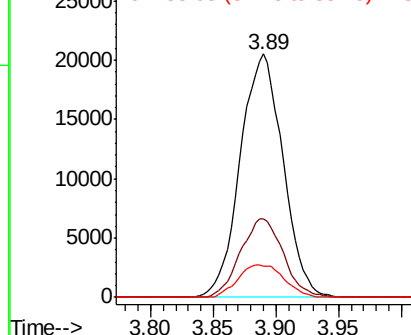
63 100

65 32.0 22.0 41.0

83 12.6 10.9 20.2



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: 48.101 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.01 min

Lab File: VU039748.D

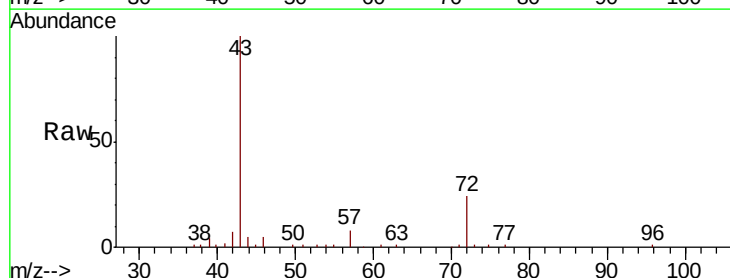
Acq: 06 Aug 2020 10:59

Tgt Ion: 43 Resp: 79426

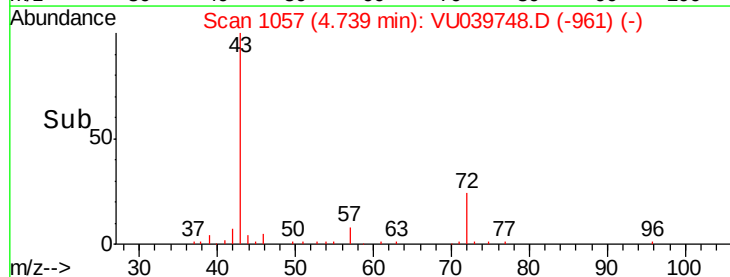
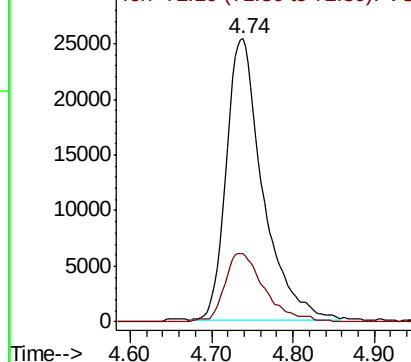
Ion Ratio Lower Upper

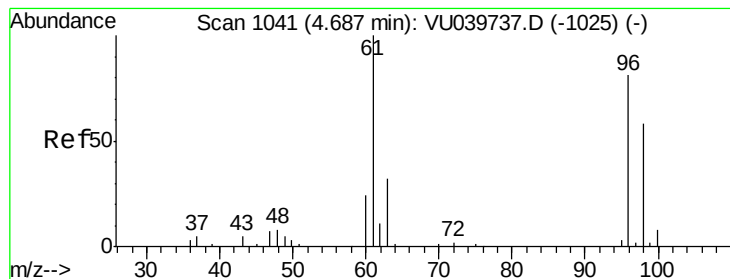
43 100

72 25.4 13.0 39.0



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.348 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

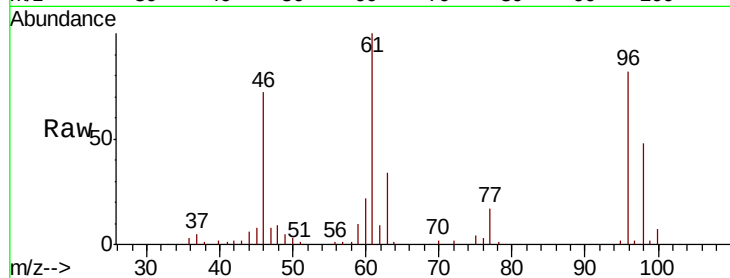
Tot Ion: 96 Resp: 28907

Ion Ratio Lower Upper

96 100

61 121.6 87.4 162.2

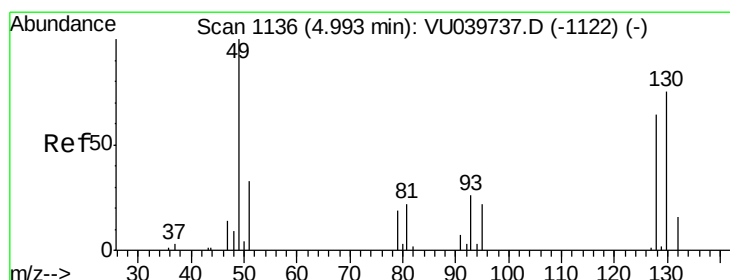
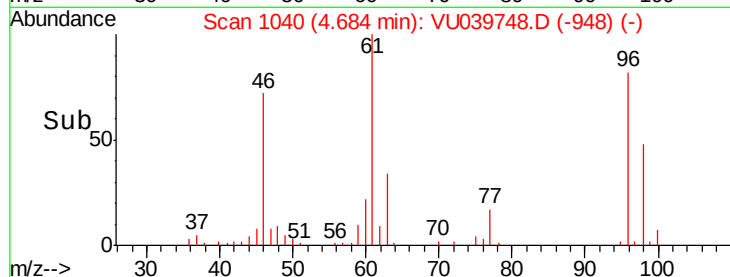
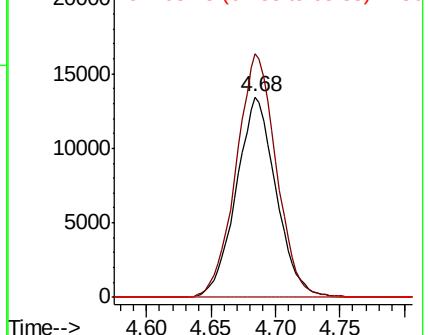
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039737.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU039737.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU039737.D (-1025) (-)



#23

Bromochloromethane

Concen: 5.231 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

Tgt Ion: 128 Resp: 13280

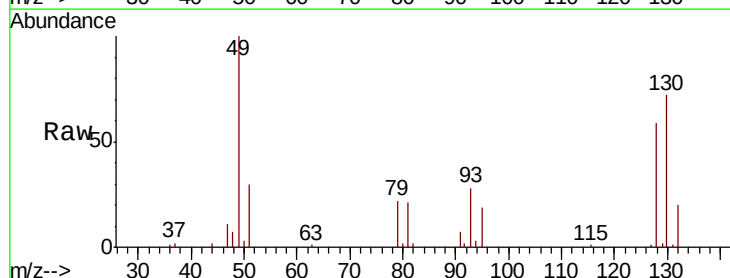
Ion Ratio Lower Upper

128 100

49 169.3 110.3 204.9

130 121.6 82.0 152.4

51 50.7 40.8 61.2

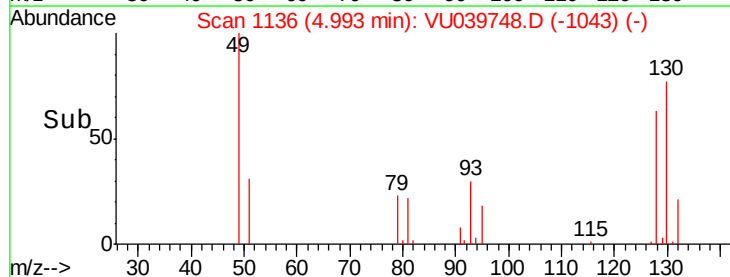
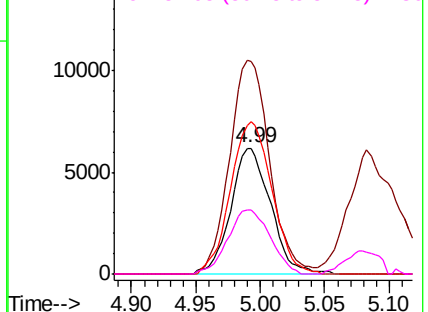


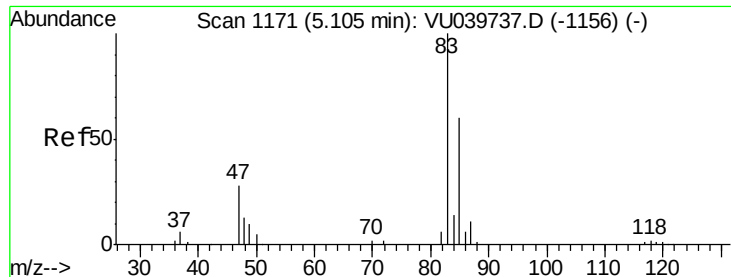
Abundance Ion 127.90 (127.60 to 128.60): VU039737.D (-1122) (-)

Ion 49.10 (48.80 to 49.80): VU039737.D (-1122) (-)

Ion 129.95 (129.65 to 130.65): VU039737.D (-1122) (-)

Ion 51.05 (50.75 to 51.75): VU039737.D (-1122) (-)

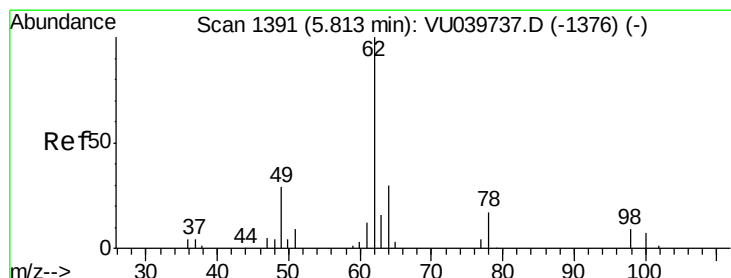
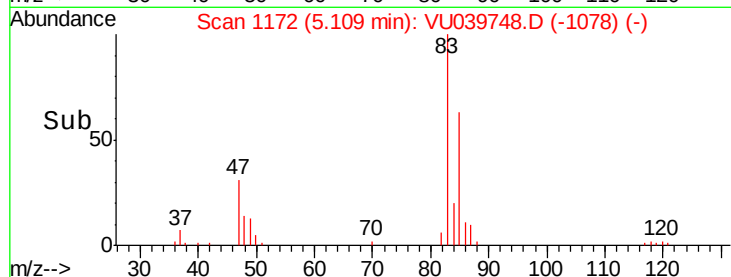
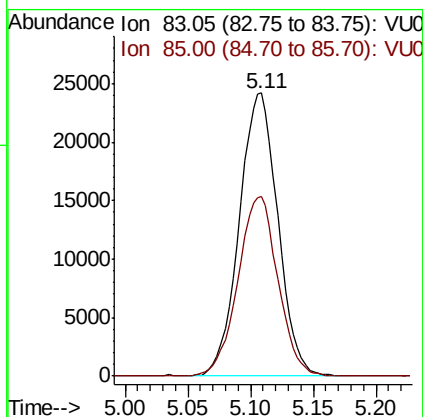
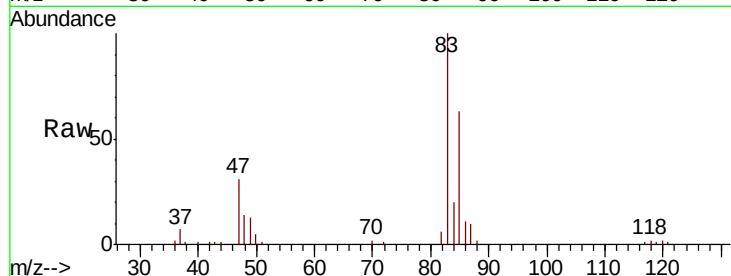




#25
Chloroform
Concen: 5.237 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039748.D
Acq: 06 Aug 2020 10:59

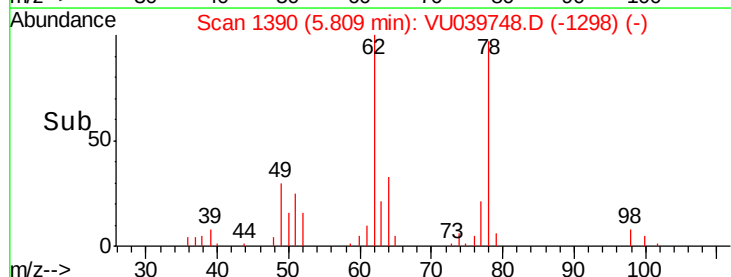
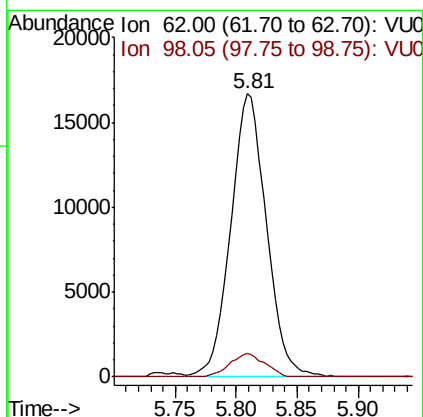
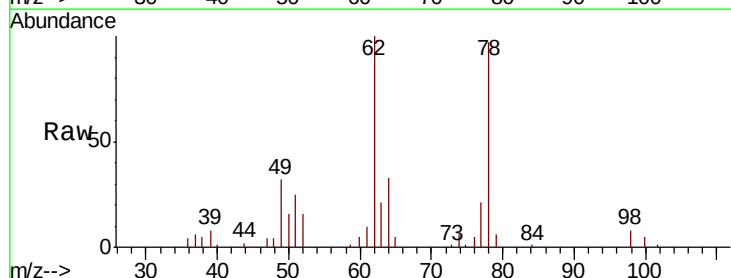
Instrument :
MSVOA_U
ClientSampled :

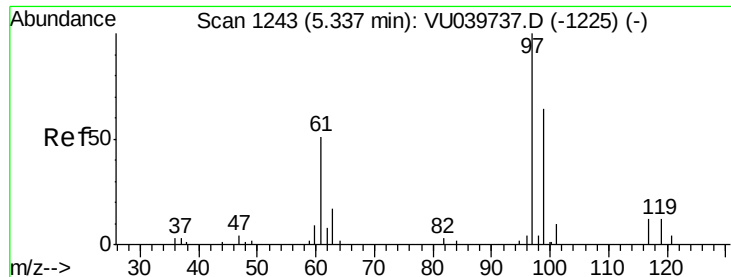
Tot Ion: 83 Resp: 51649
Ion Ratio Lower Upper
83 100
85 63.4 42.1 78.3



#27
1,2-Dichloroethane
Concen: 4.984 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU039748.D
Acq: 06 Aug 2020 10:59

Tgt Ion: 62 Resp: 33878
Ion Ratio Lower Upper
62 100
98 8.3 7.3 10.9

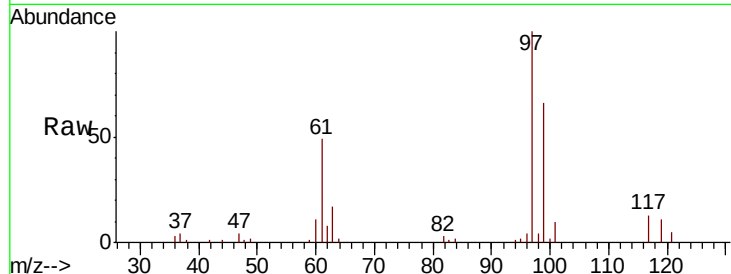




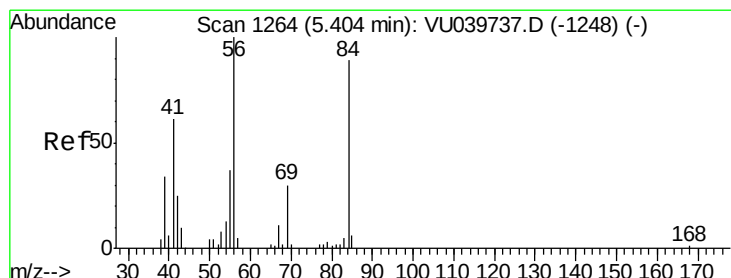
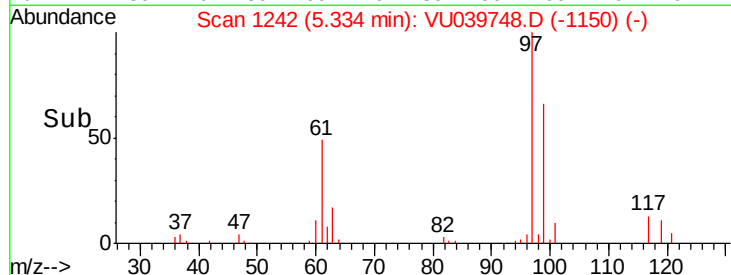
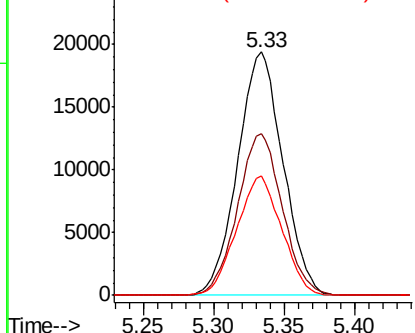
#29
 1,1,1-Trichloroethane
 Concen: 5.437 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 43537
 Ion Ratio Lower Upper
 97 100
 99 65.6 52.8 79.2
 61 48.8 40.5 60.7

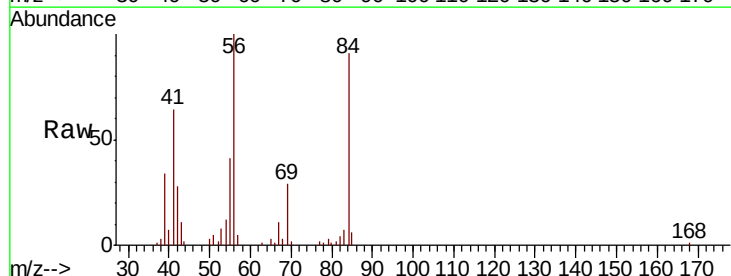


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

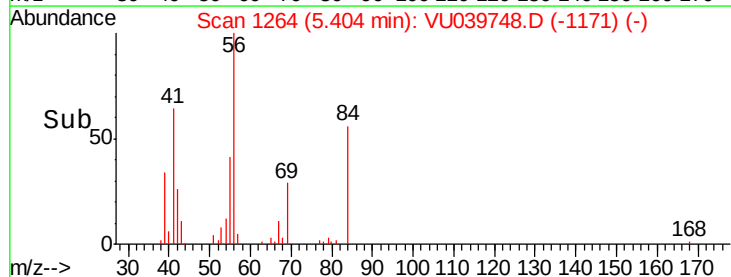
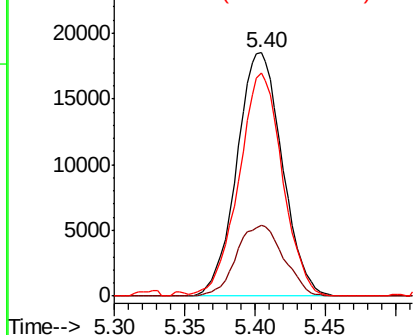


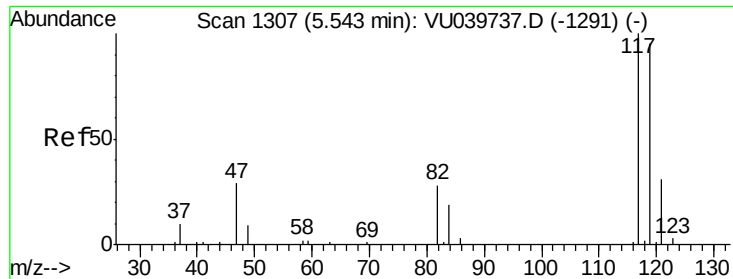
#30
 Cyclohexane
 Concen: 5.399 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

Tgt Ion: 56 Resp: 41599
 Ion Ratio Lower Upper
 56 100
 69 30.2 24.4 36.6
 84 88.3 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

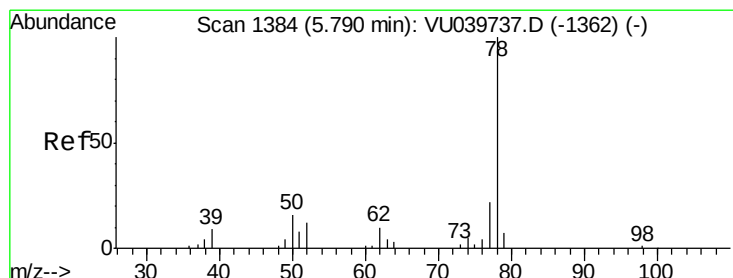
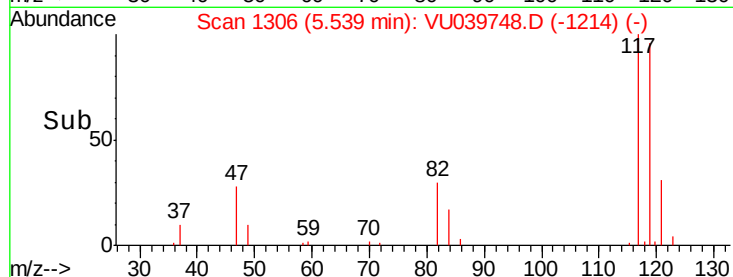
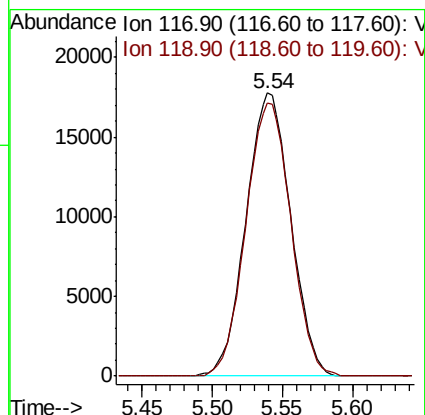
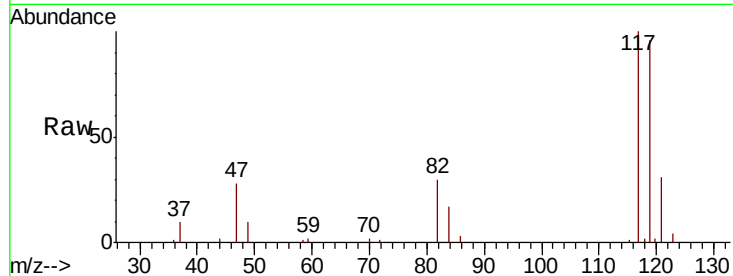




#31
 Carbon tetrachloride
 Concen: 5.360 ug/L
 RT: 5.54 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

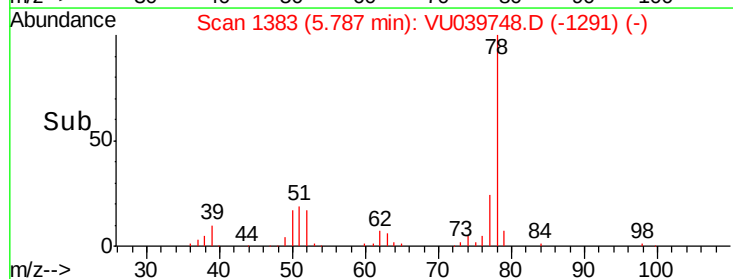
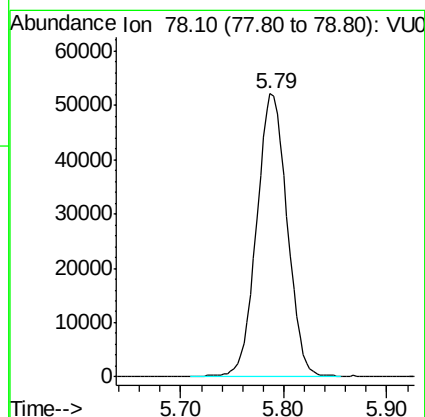
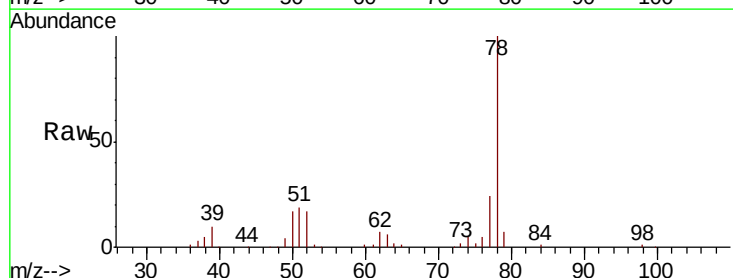
Instrument :
 MSVOA_U
 ClientSampleId :

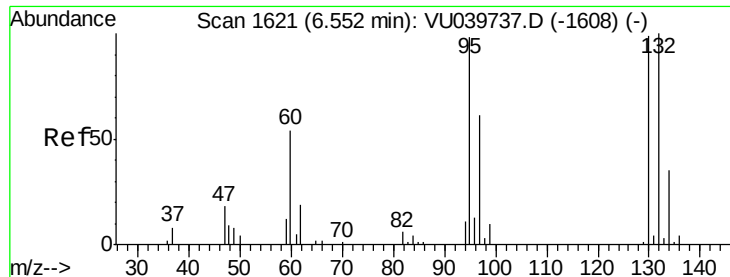
Tot Ion:117 Resp: 39377
 Ion Ratio Lower Upper
 117 100
 119 96.7 75.5 113.3



#33
 Benzene
 Concen: 5.476 ug/L
 RT: 5.79 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

Tgt Ion: 78 Resp: 107106

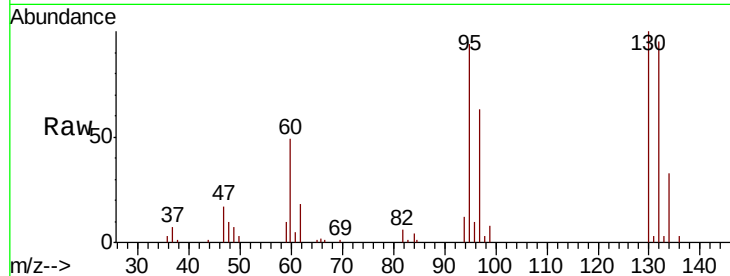




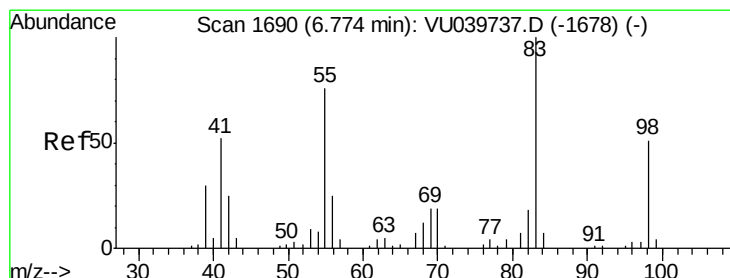
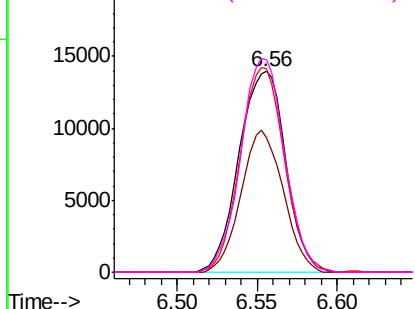
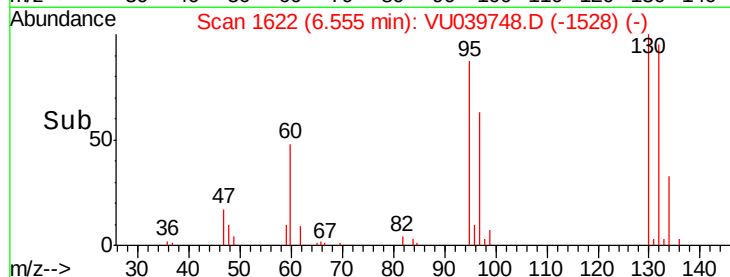
#34
 Trichloroethene
 Concen: 5.477 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 27820
 Ion Ratio Lower Upper
 95 100
 97 67.0 44.0 81.8
 132 101.1 71.7 133.3
 130 106.1 71.1 132.1

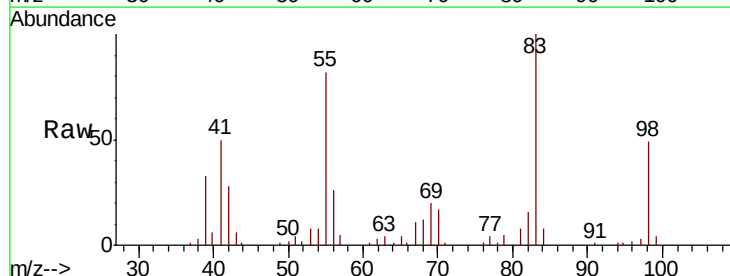


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

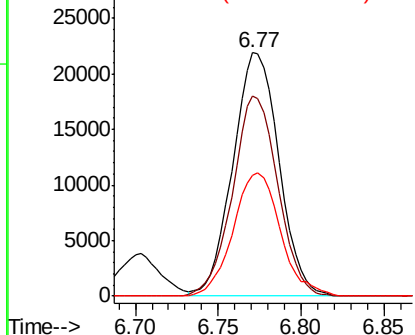
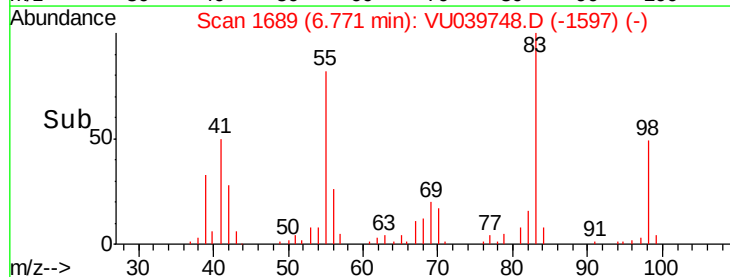


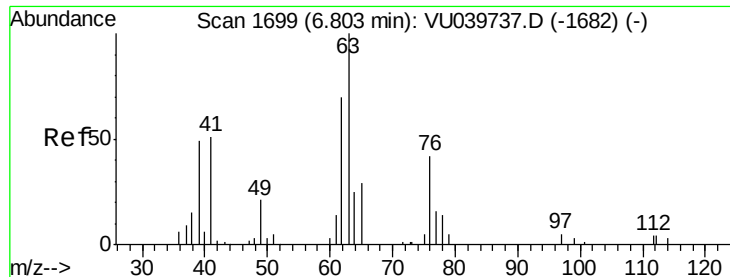
#35
 Methylcyclohexane
 Concen: 5.225 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

Tgt Ion: 83 Resp: 42358
 Ion Ratio Lower Upper
 83 100
 55 80.6 59.4 89.0
 98 51.8 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

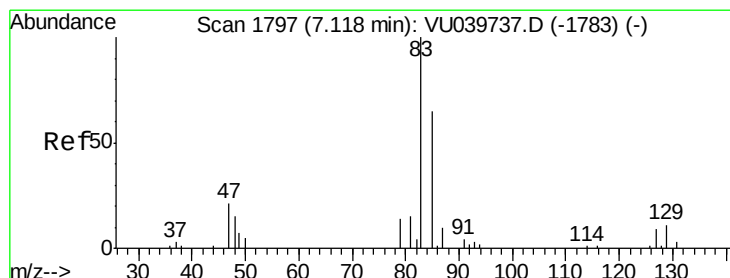
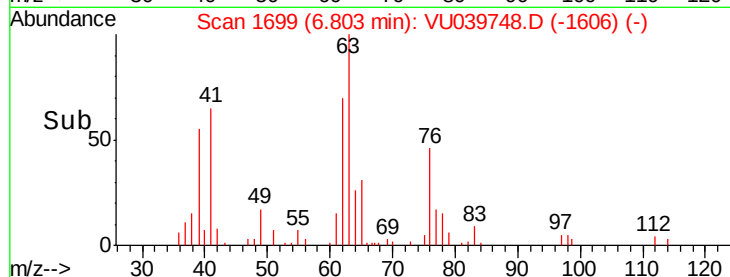
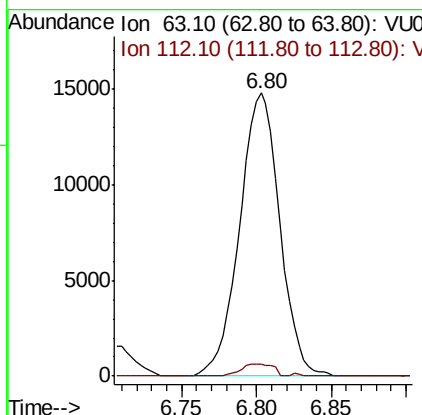
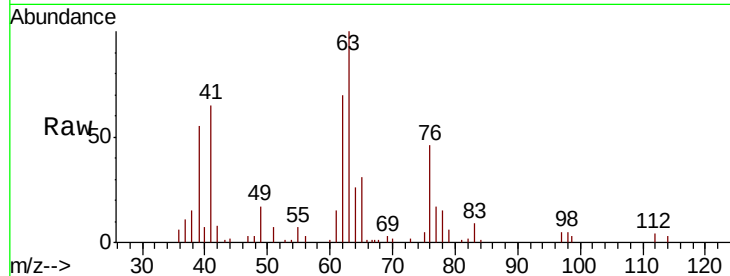




#37
 1,2-Dichloropropane
 Concen: 5.321 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

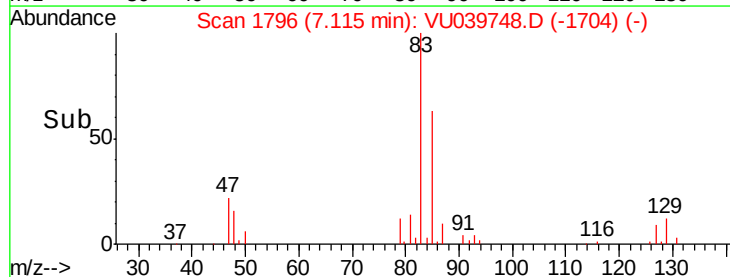
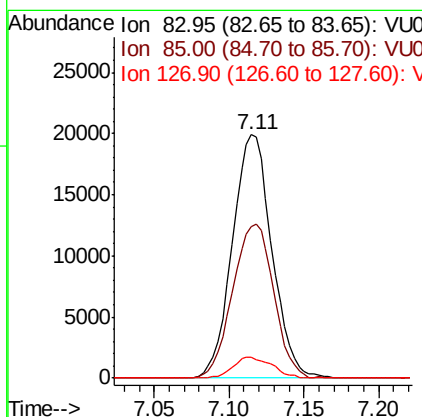
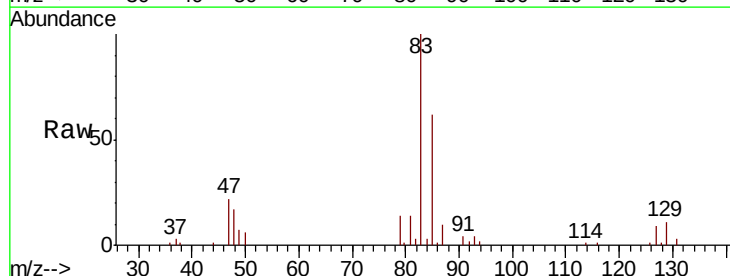
Instrument :
 MSVOA_U
 ClientSampleId :

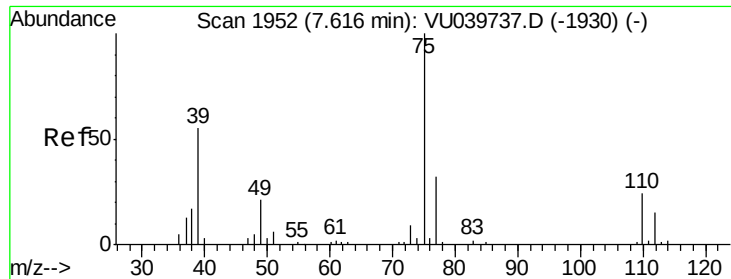
Tot Ion: 63 Resp: 27640
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 5.379 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

Tgt Ion: 83 Resp: 36561
 Ion Ratio Lower Upper
 83 100
 85 62.4 45.3 84.1
 127 8.7 7.5 11.3

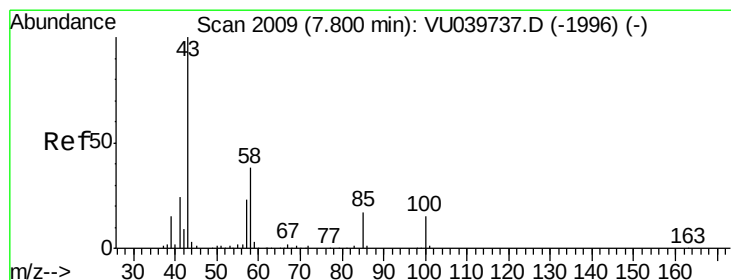
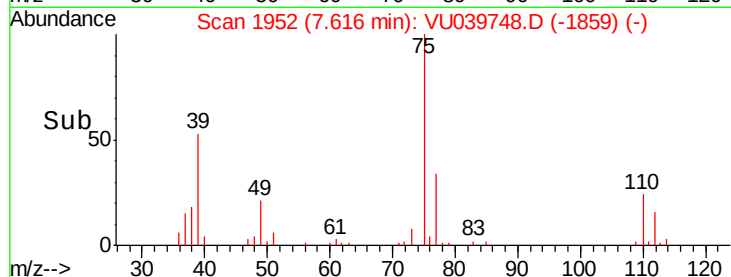
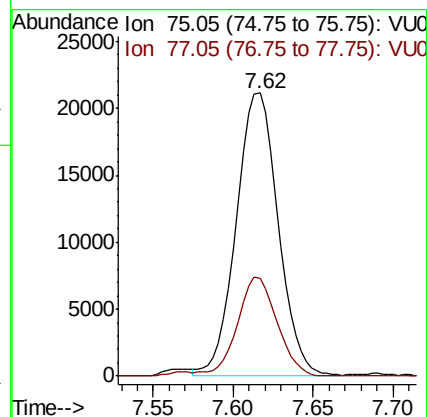
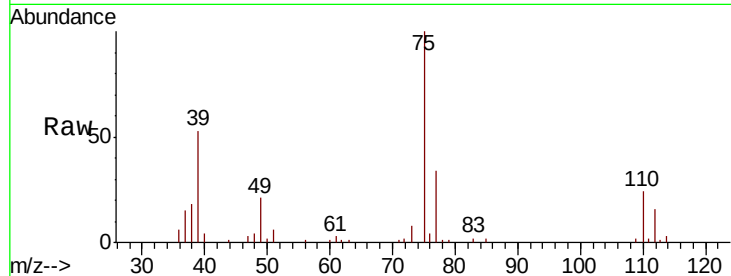




#39
 cis-1,3-Dichloropropene
 Concen: 5.356 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

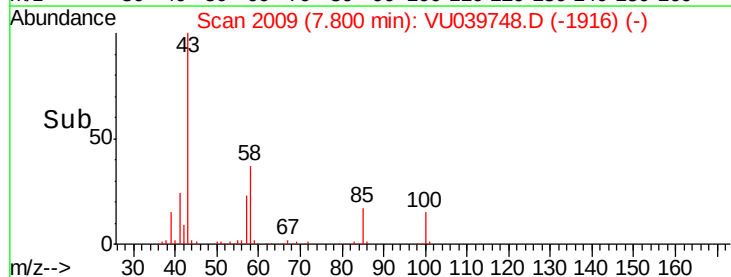
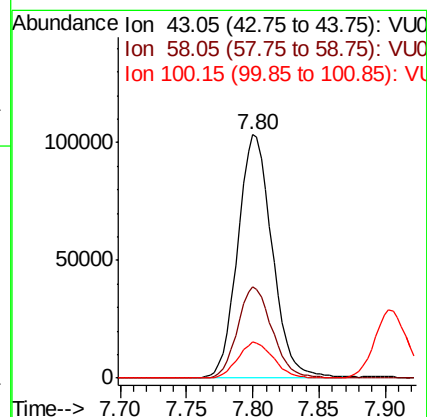
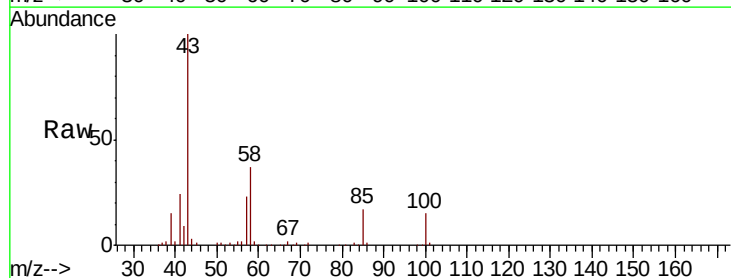
Instrument :
 MSVOA_U
 ClientSampleId :

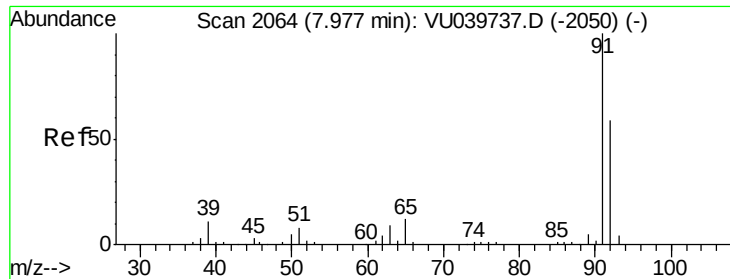
Tot Ion: 75 Resp: 37949
 Ion Ratio Lower Upper
 75 100
 77 34.3 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 48.175 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

Tgt Ion: 43 Resp: 187015
 Ion Ratio Lower Upper
 43 100
 58 37.7 29.4 44.2
 100 15.1 11.7 17.5





#42

Toluene

Concen: 5.422 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

Instrument :

MSVOA_U

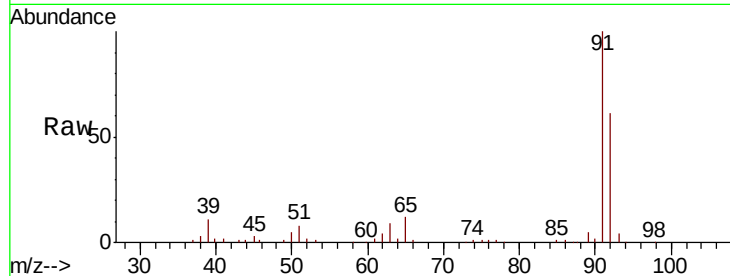
ClientSampleId :

Tot Ion: 91 Resp: 111434

Ion Ratio Lower Upper

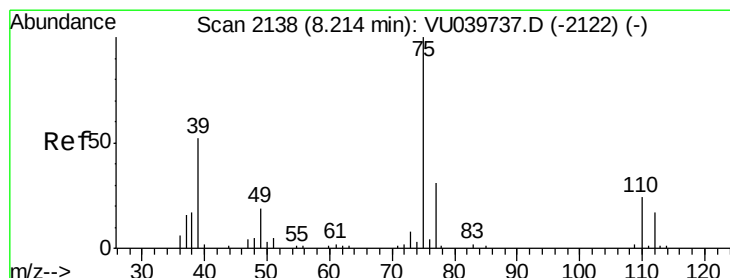
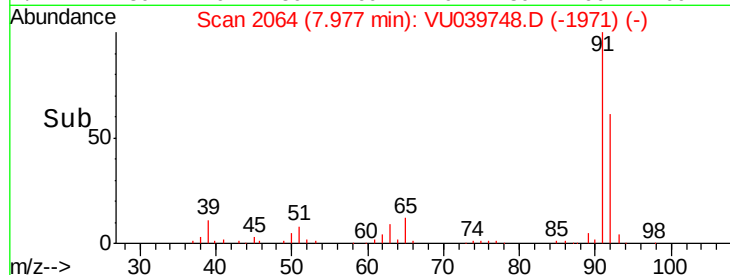
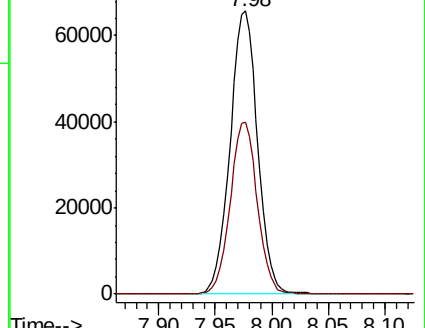
91 100

92 60.6 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039737.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039737.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.471 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU039748.D

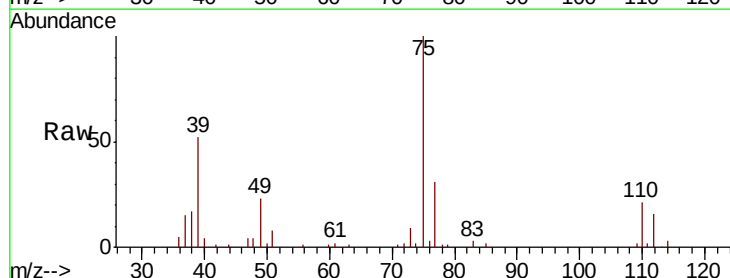
Acq: 06 Aug 2020 10:59

Tgt Ion: 75 Resp: 34918

Ion Ratio Lower Upper

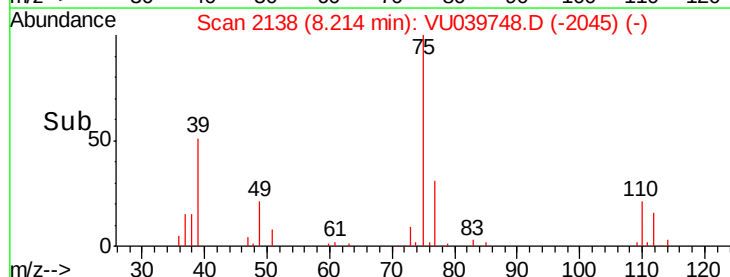
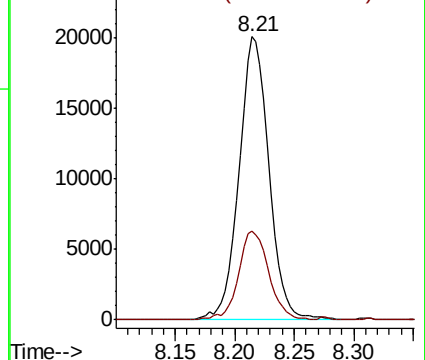
75 100

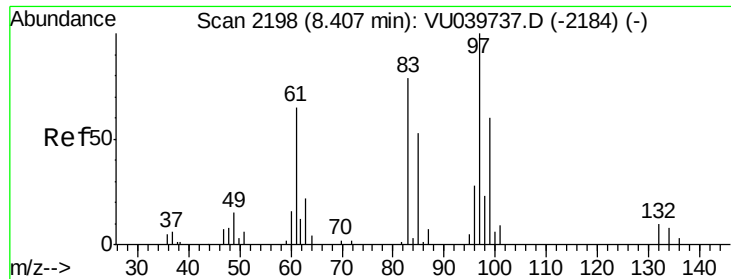
77 31.4 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU039737.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU039737.D (-2122) (-)

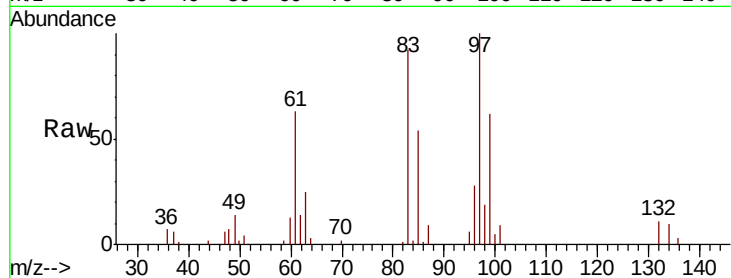




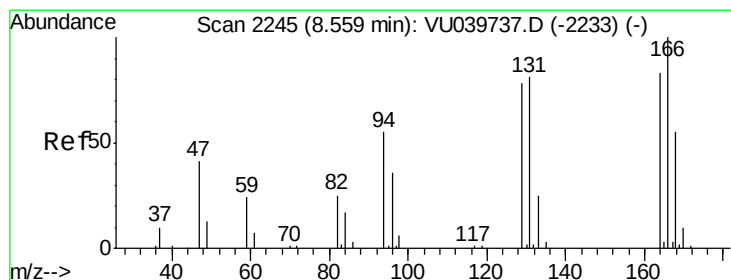
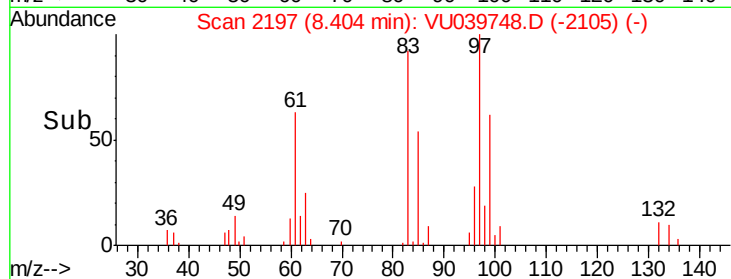
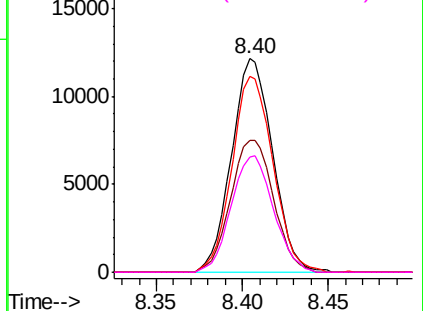
#45
 1,1,2-Trichloroethane
 Concen: 5.163 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	20175
Ion	Ratio	Lower	Upper
97	100		
99	61.9	42.0	78.0
83	92.0	55.2	102.4
85	54.1	37.0	68.6

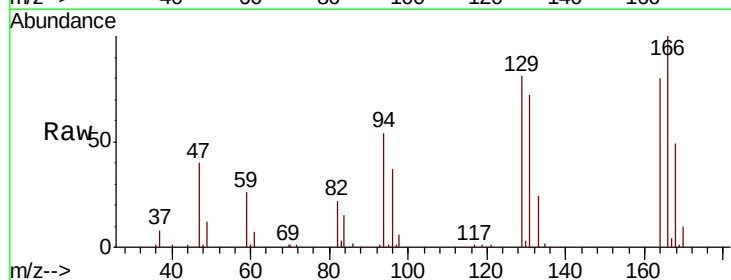


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

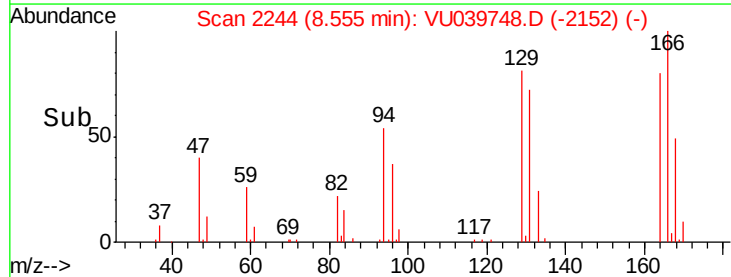
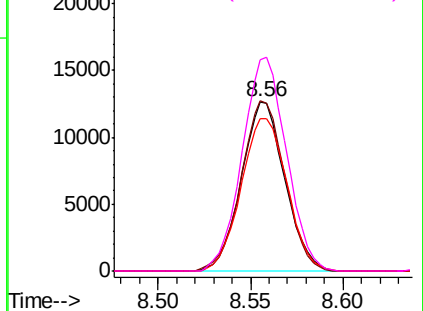


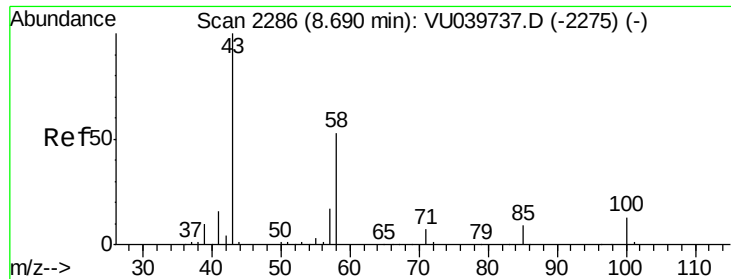
#47
 Tetrachloroethene
 Concen: 4.897 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

Tgt Ion:	164	Resp:	20520
Ion	Ratio	Lower	Upper
164	100		
129	100.6	65.9	122.5
131	90.1	68.1	126.5
166	124.8	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

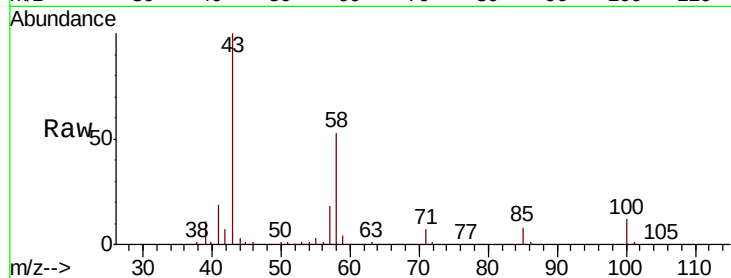




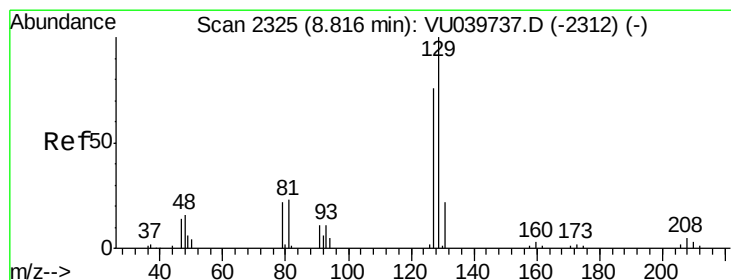
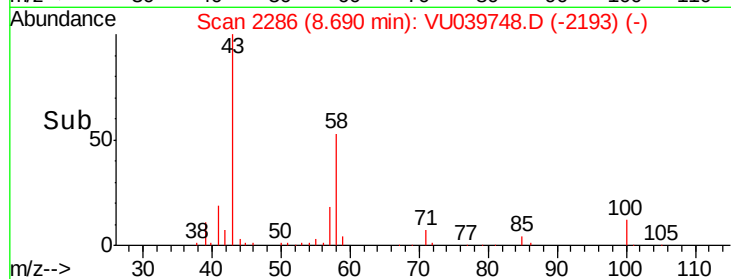
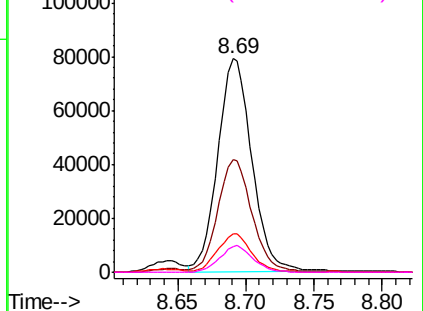
#48
2-Hexanone
Concen: 49.086 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU039748.D
Acq: 06 Aug 2020 10:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	137598
Ion	Ratio	Lower	Upper
43	100		
58	53.7	41.8	62.8
57	18.1	14.2	21.4
100	11.9	9.4	14.2

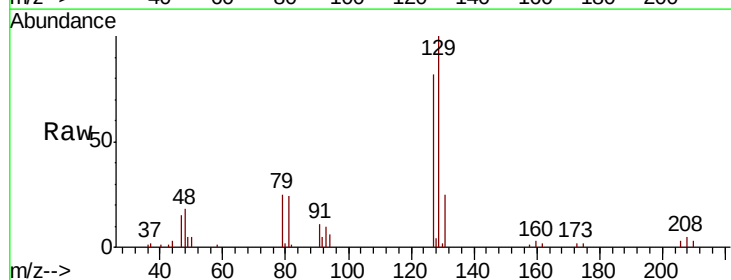


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

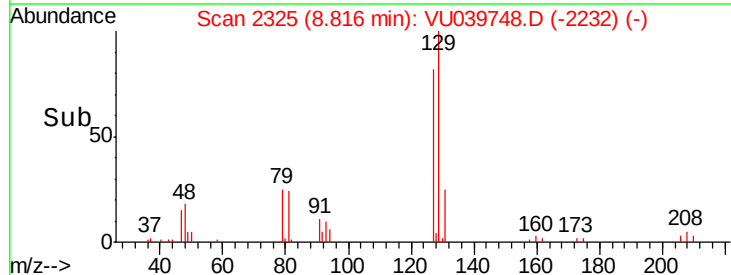
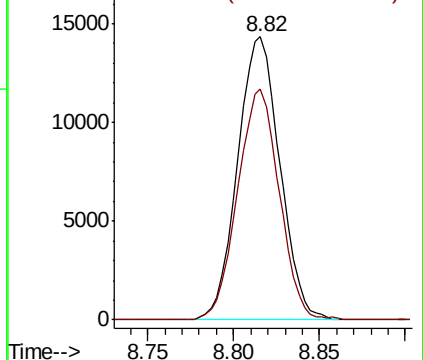


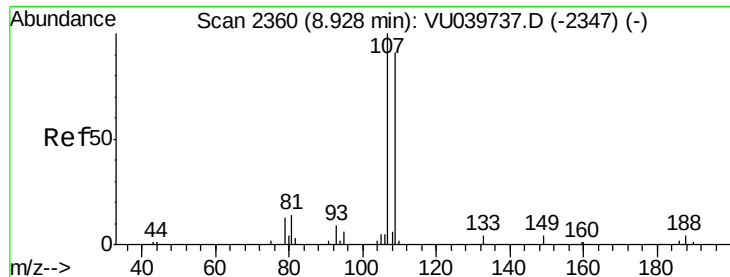
#49
Dibromochloromethane
Concen: 5.112 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039748.D
Acq: 06 Aug 2020 10:59

Tgt Ion:	129	Resp:	24515
Ion	Ratio	Lower	Upper
129	100		
127	81.7	53.0	98.4



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

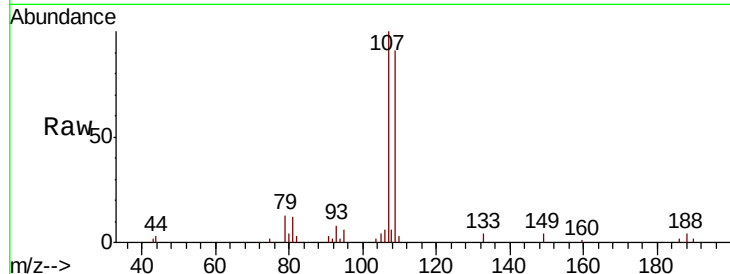




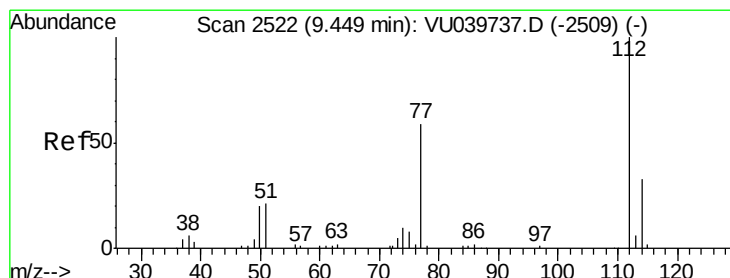
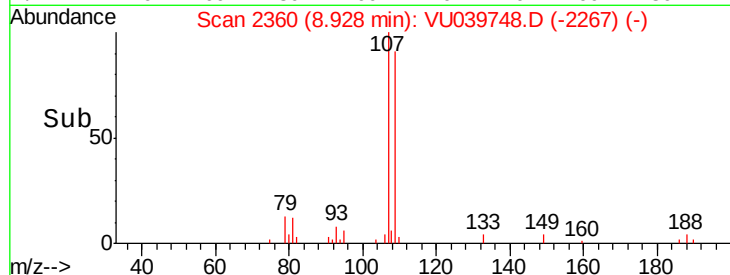
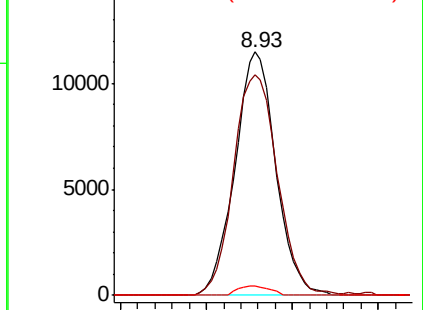
#50
 1,2-Dibromoethane
 Concen: 4.955 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 18986
 Ion Ratio Lower Upper
 107 100
 109 90.5 63.9 118.7
 188 3.8 2.9 4.3

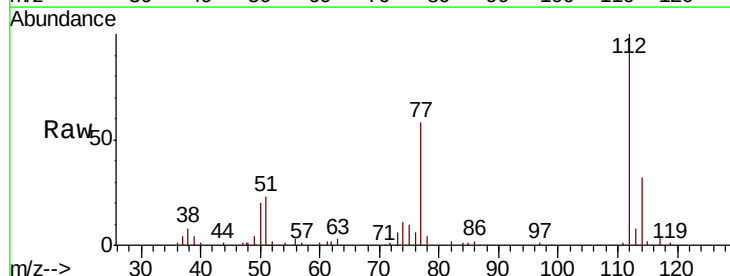


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

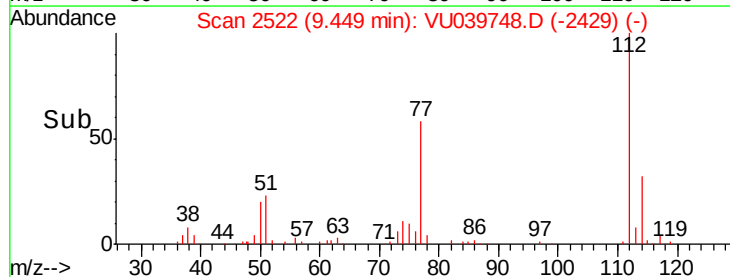
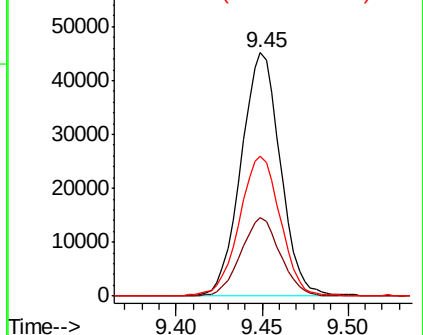


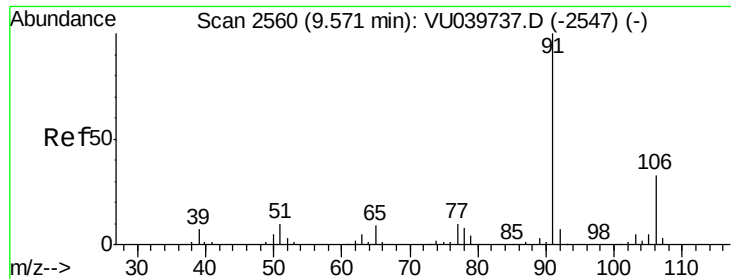
#51
 Chlorobenzene
 Concen: 5.207 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

Tgt Ion:112 Resp: 71917
 Ion Ratio Lower Upper
 112 100
 114 32.3 23.2 43.0
 77 57.7 47.8 71.6



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 5.249 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

Instrument :

MSVOA_U

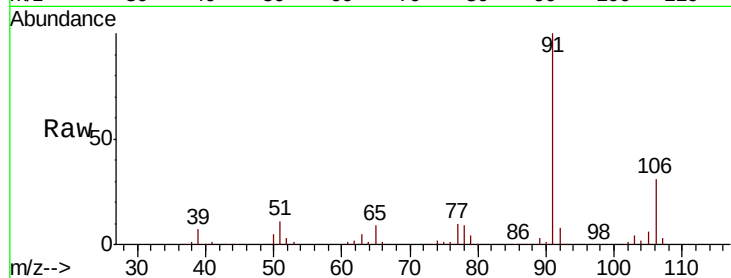
ClientSampled :

Tot Ion: 91 Resp: 120750

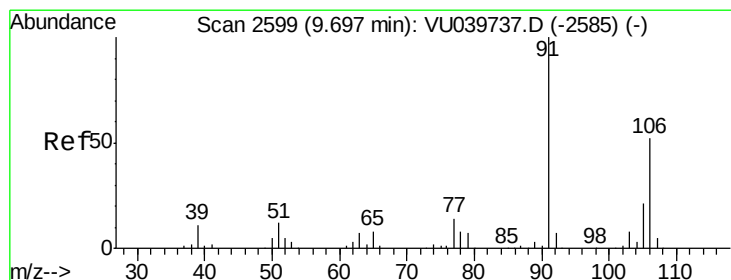
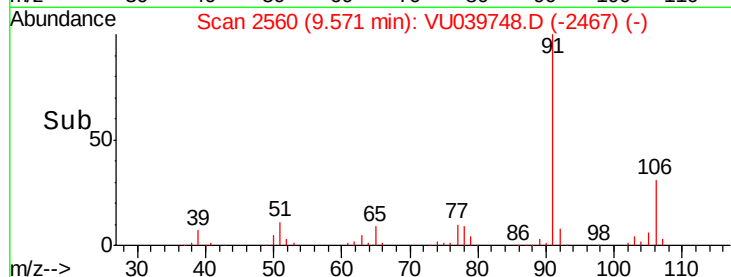
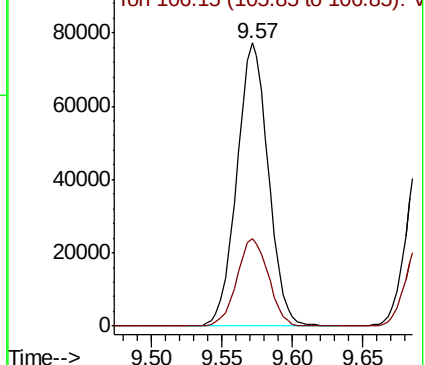
Ion Ratio Lower Upper

91 100

106 30.9 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039737.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.398 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039748.D

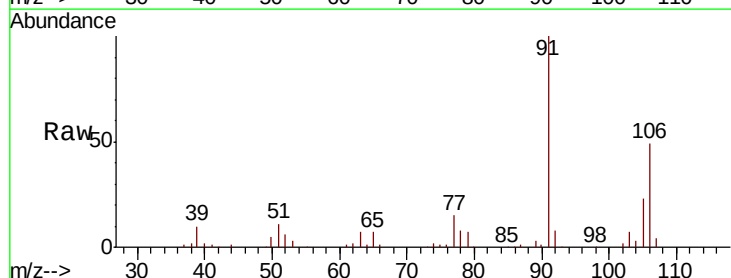
Acq: 06 Aug 2020 10:59

Tgt Ion: 106 Resp: 47284

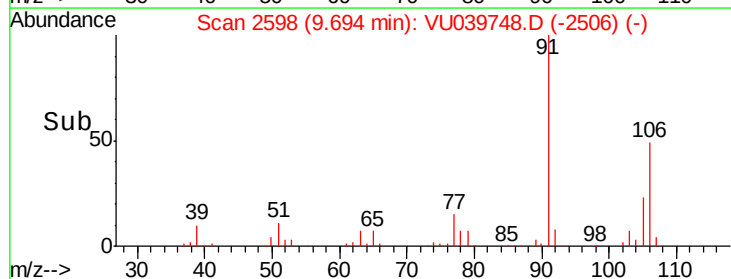
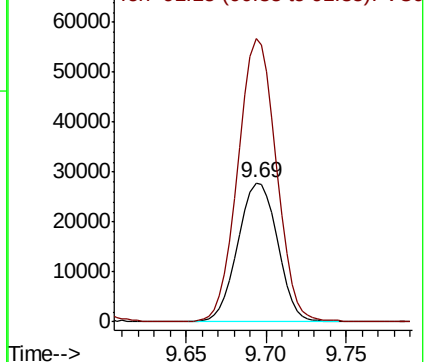
Ion Ratio Lower Upper

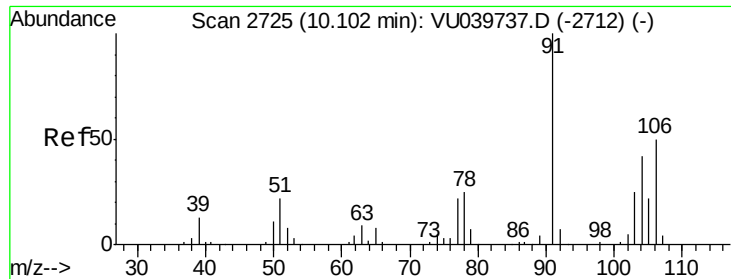
106 100

91 203.9 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039737.D (-2585) (-)

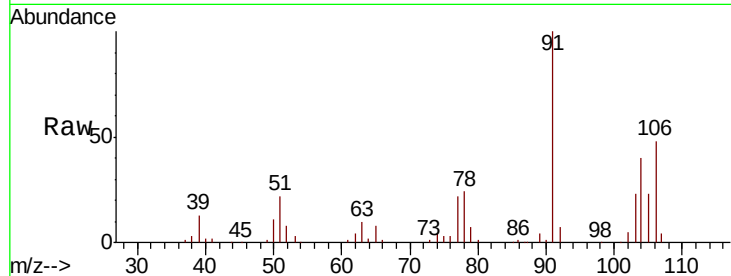




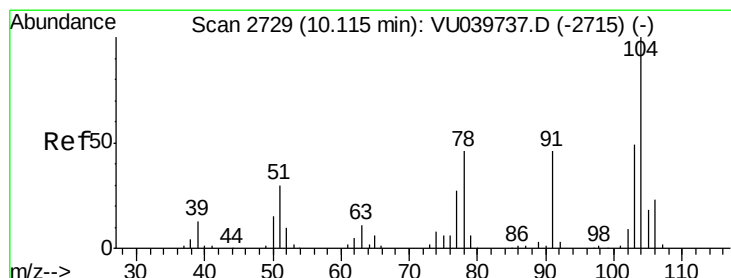
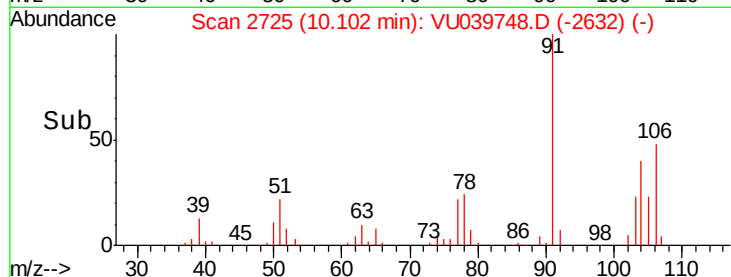
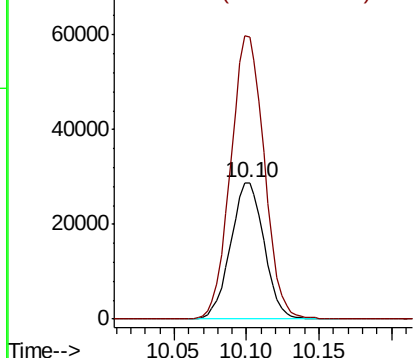
#54
o-Xylene
Concen: 5.387 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039748.D
Acq: 06 Aug 2020 10:59

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 46210
Ion Ratio Lower Upper
106 100
91 206.6 140.8 261.6

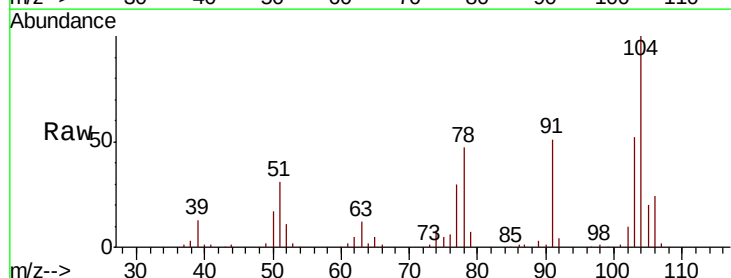


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

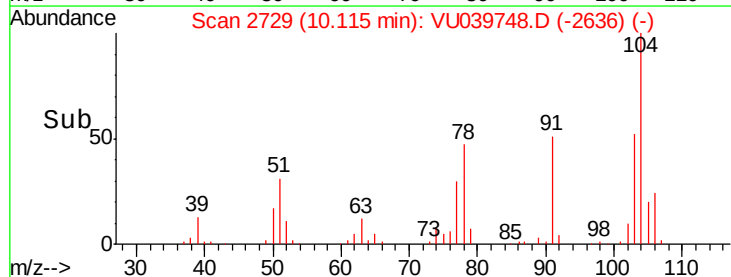
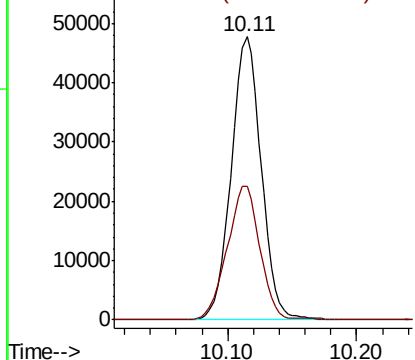


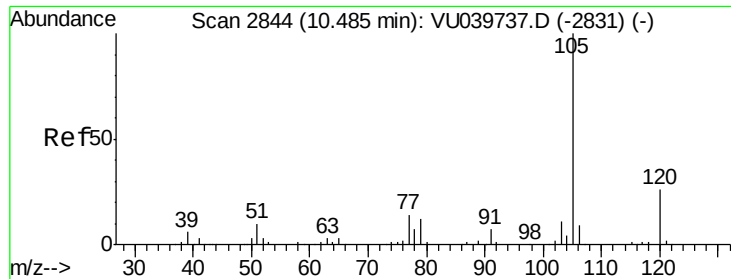
#55
Styrene
Concen: 5.338 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039748.D
Acq: 06 Aug 2020 10:59

Tgt Ion:104 Resp: 77107
Ion Ratio Lower Upper
104 100
78 47.0 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: 5.210 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

Instrument :

MSVOA_U

ClientSampled :

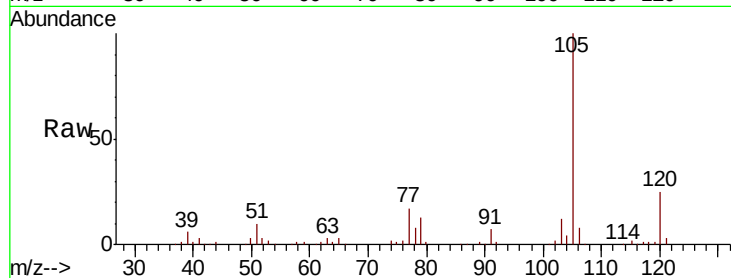
Tot Ion:105 Resp: 119438

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.6

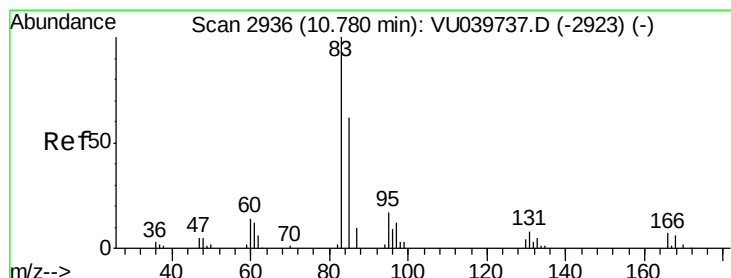
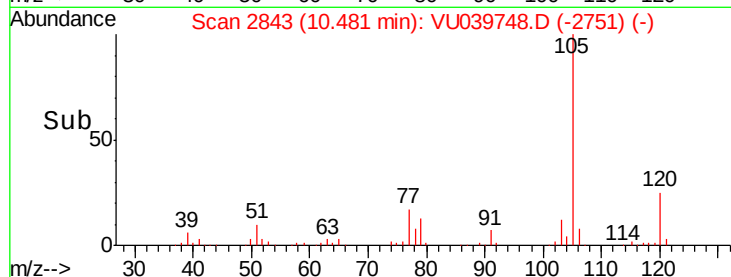
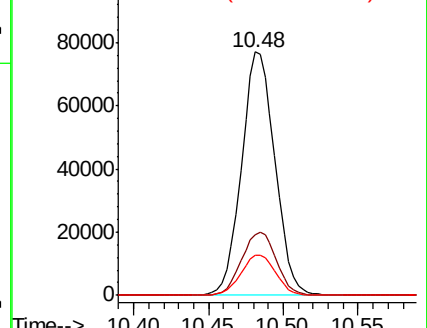
77 17.2 12.9 19.3



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: 4.751 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

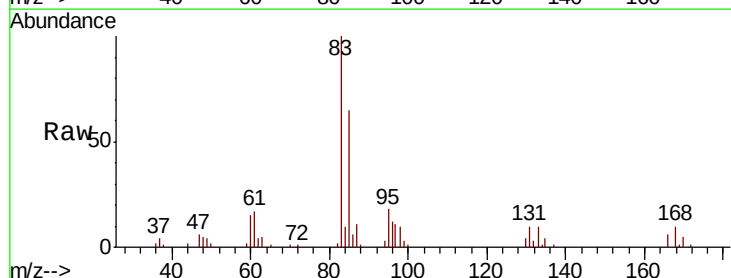
Tgt Ion: 83 Resp: 25541

Ion Ratio Lower Upper

83 100

85 65.4 44.4 82.4

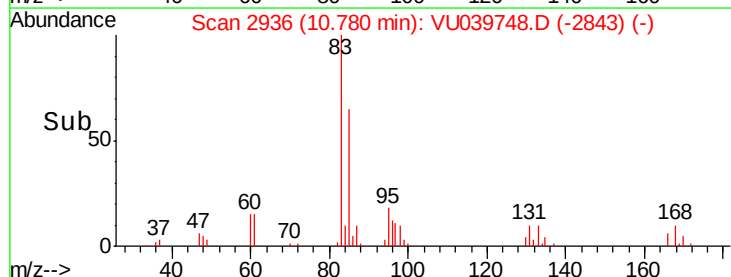
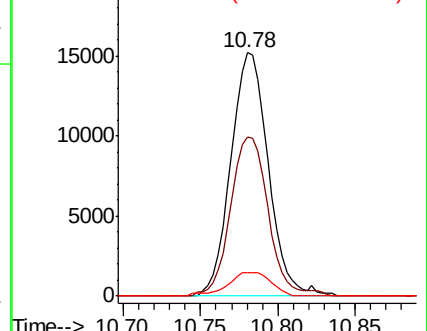
131 9.9 7.4 11.0

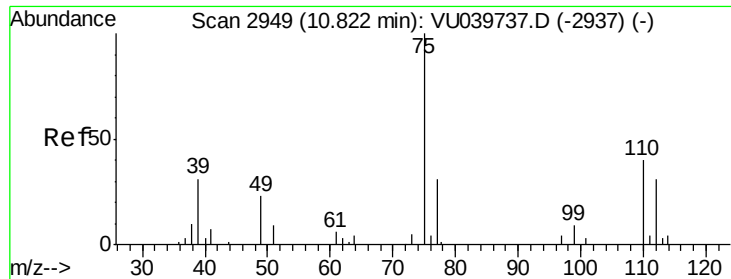


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.016 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

Instrument :

MSVOA_U

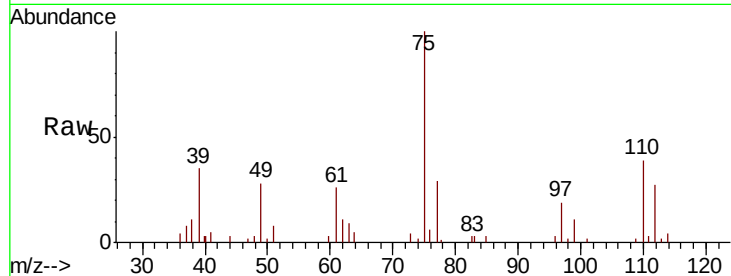
ClientSampleId :

Tot Ion: 75 Resp: 18796

Ion Ratio Lower Upper

75 100

77 29.3 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU039737.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039737.D (-2937) (-)

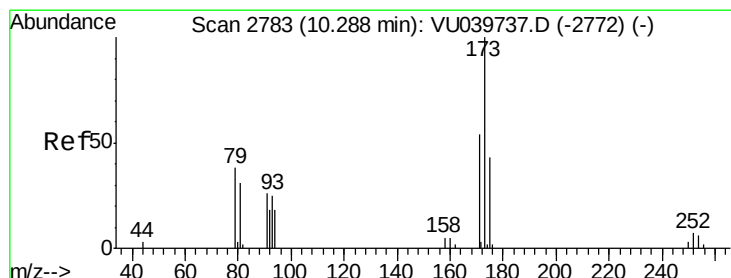
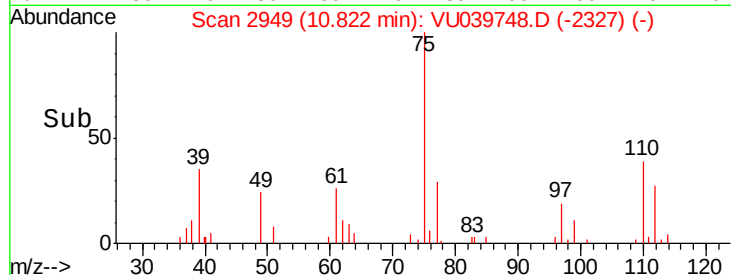
10.82

10000

5000

0

Time-->



#61

Bromoform

Concen: 5.400 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

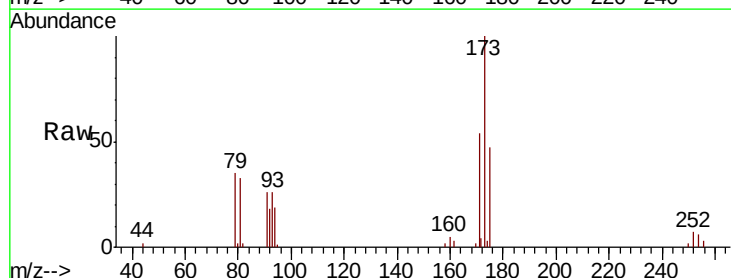
Tgt Ion: 173 Resp: 13583

Ion Ratio Lower Upper

173 100

175 48.4 33.8 50.8

254 7.1 5.5 8.3



Abundance Ion 172.90 (172.60 to 173.60): VU039737.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039737.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039737.D (-2772) (-)

10.29

10000

8000

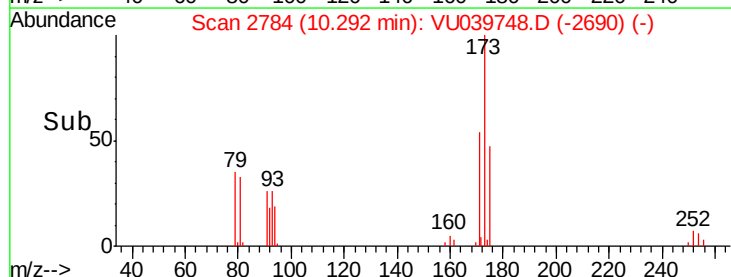
6000

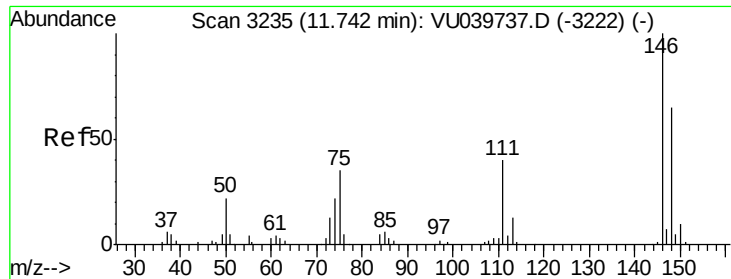
4000

2000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.355 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

Instrument :

MSVOA_U

ClientSampled :

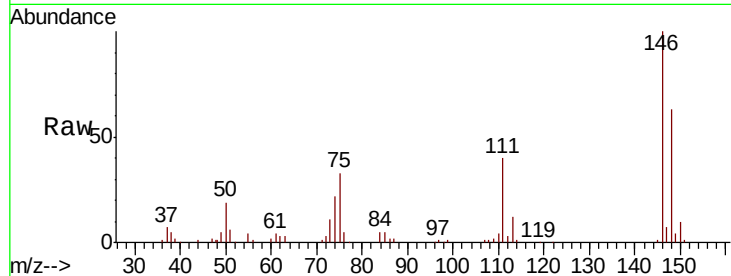
Tot Ion:146 Resp: 58347

Ion Ratio Lower Upper

146 100

111 39.7 27.7 51.5

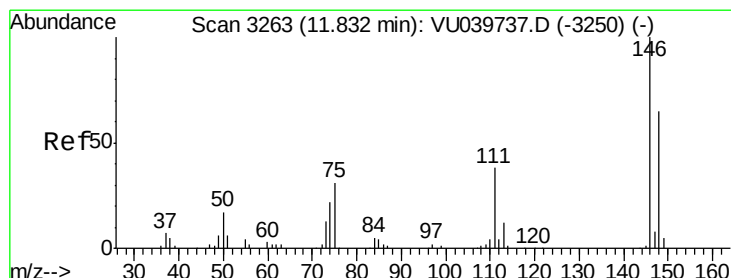
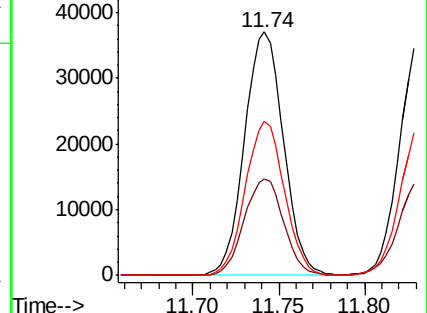
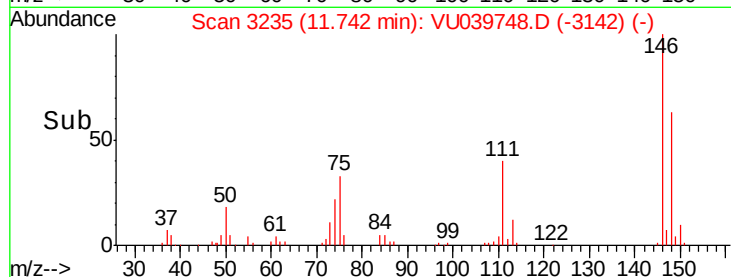
148 63.2 45.2 84.0



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: 4.916 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

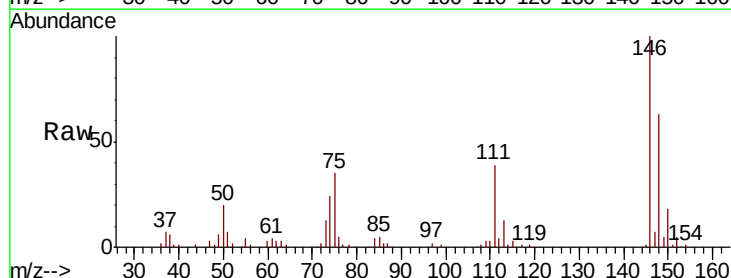
Tgt Ion:146 Resp: 56457

Ion Ratio Lower Upper

146 100

111 38.8 26.5 49.3

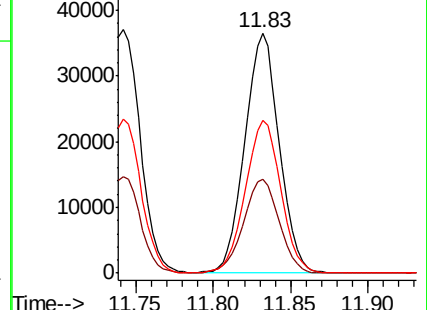
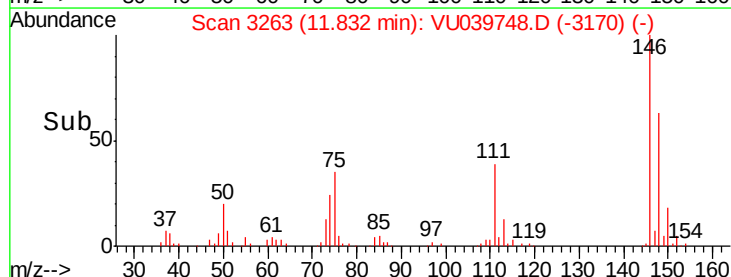
148 63.4 45.3 84.1

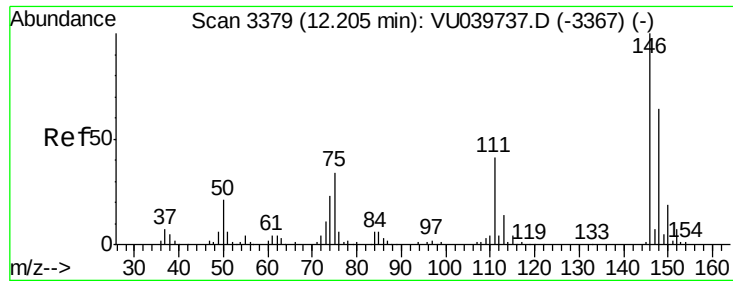


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

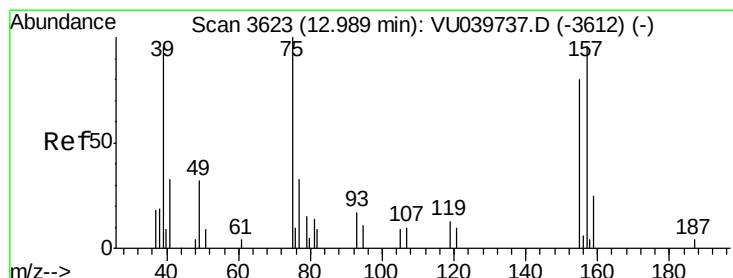
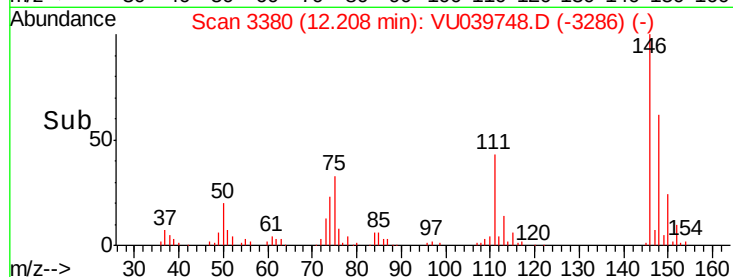
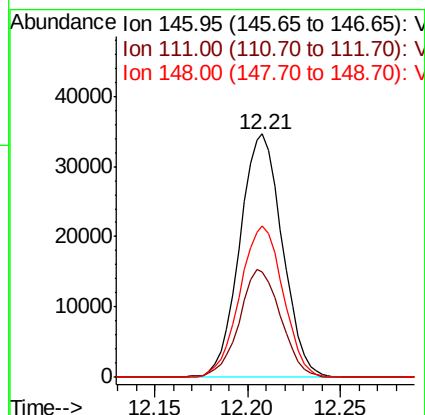
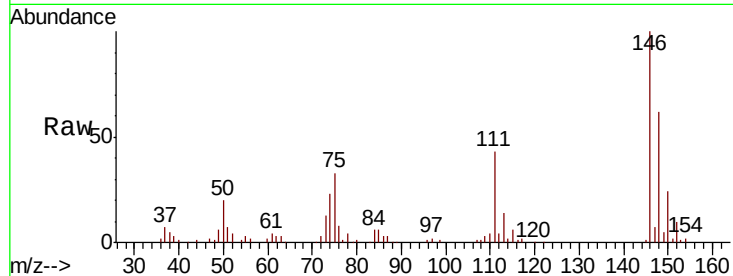




#65
 1,2-Dichlorobenzene
 Concen: 5.127 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

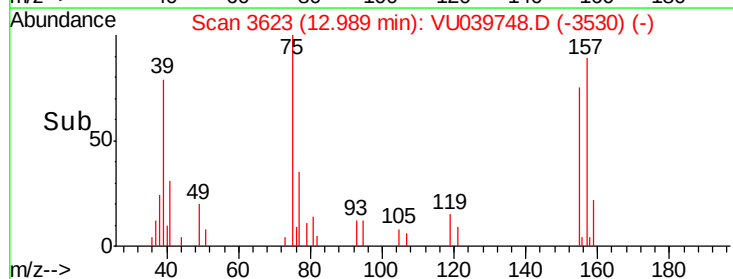
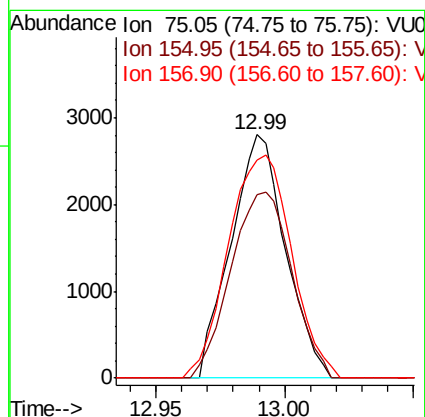
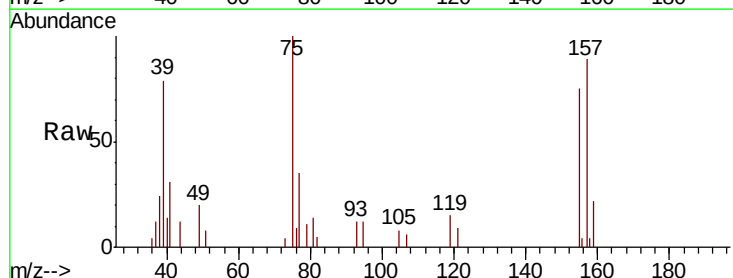
Instrument :
 MSVOA_U
 ClientSampleId :

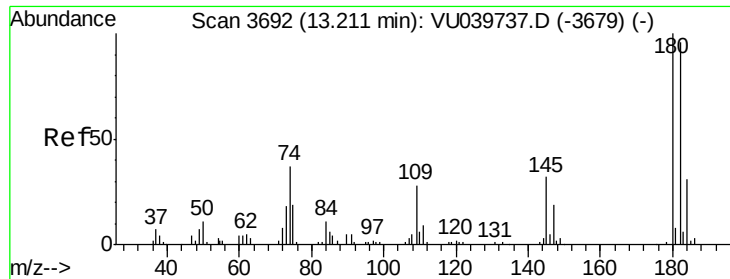
Tot Ion:146 Resp: 55031
 Ion Ratio Lower Upper
 146 100
 111 43.3 33.1 49.7
 148 62.1 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.097 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

Tgt Ion: 75 Resp: 4136
 Ion Ratio Lower Upper
 75 100
 155 75.3 64.0 96.0
 157 89.4 77.0 115.6

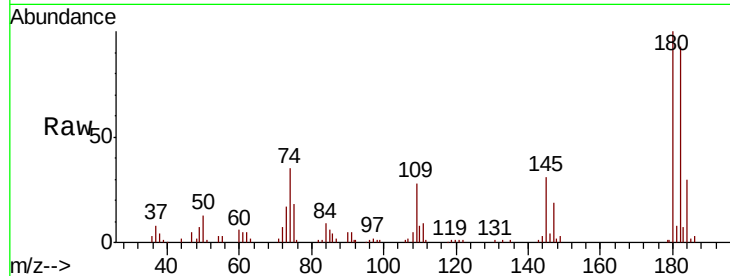




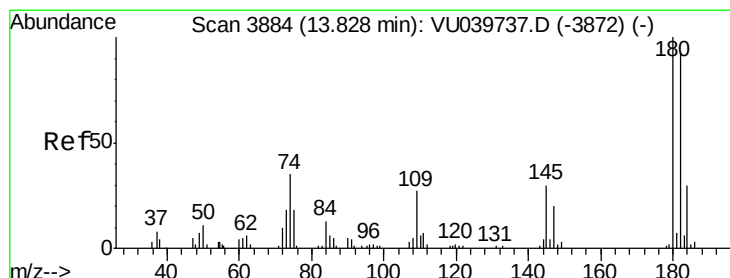
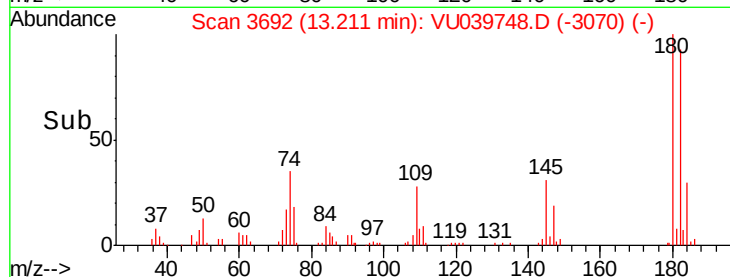
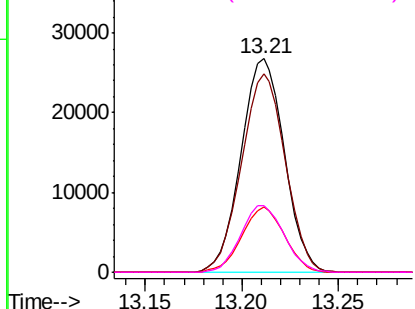
#67
 1,3,5-Trichlorobenzene
 Concen: 5.052 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 41714
 Ion Ratio Lower Upper
 180 100
 182 93.7 74.9 112.3
 184 30.2 25.3 37.9
 145 31.2 25.0 37.6

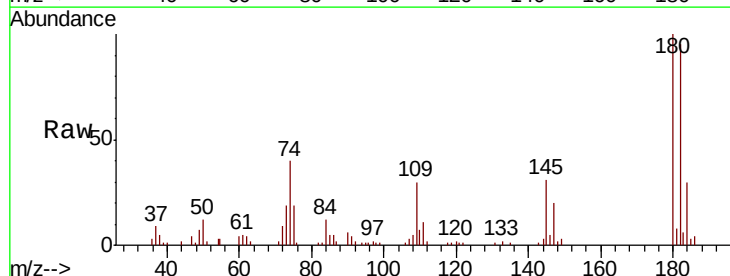


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

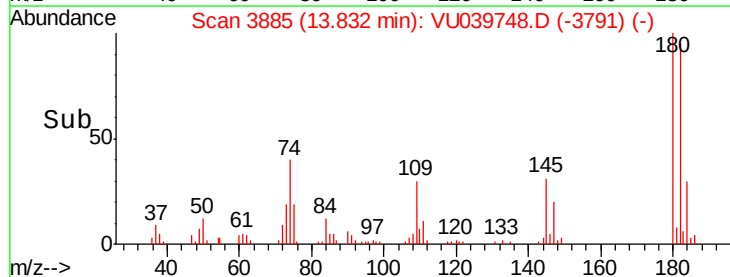
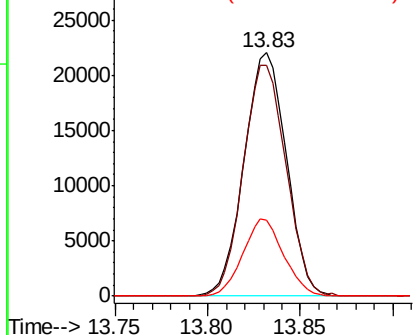


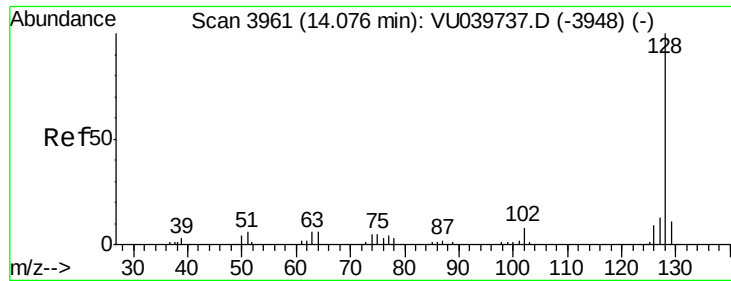
#68
 1,2,4-trichlorobenzene
 Concen: 5.060 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039748.D
 Acq: 06 Aug 2020 10:59

Tgt Ion:180 Resp: 35010
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.7 113.5
 145 30.4 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: 4.867 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

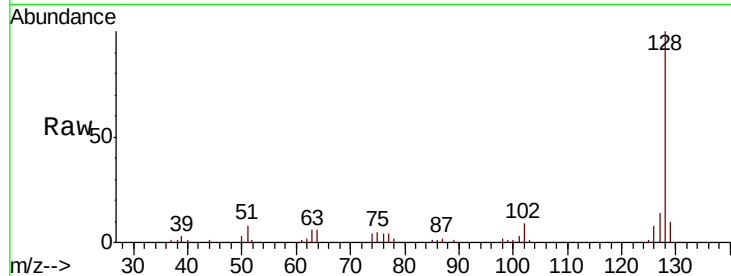
Tot Ion:128 Resp: 60220

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

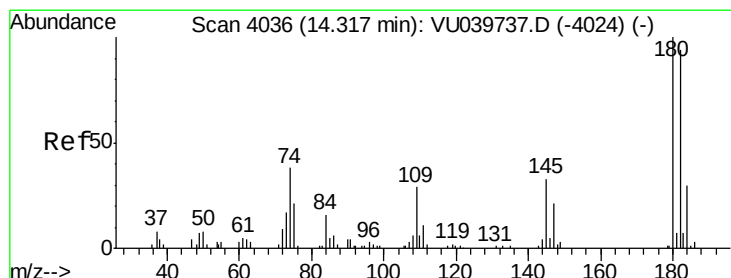
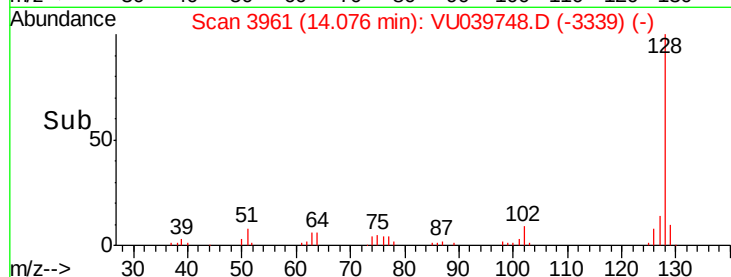
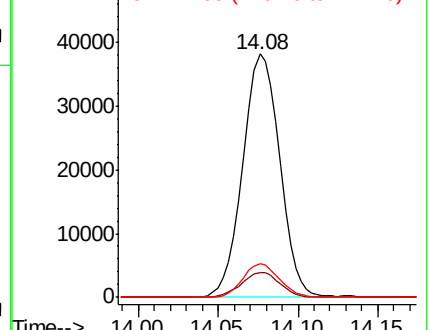
127 13.3 10.1 15.1



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: 5.319 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039748.D

Acq: 06 Aug 2020 10:59

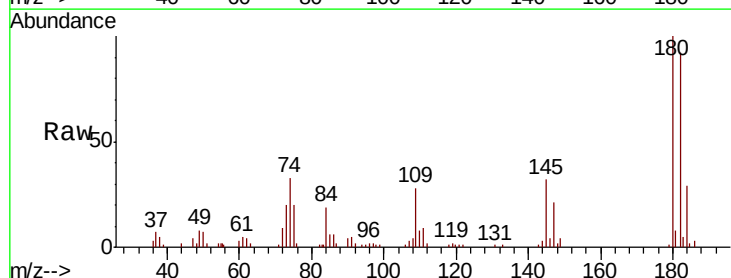
Tgt Ion:180 Resp: 33022

Ion Ratio Lower Upper

180 100

182 90.8 76.1 114.1

145 32.0 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

