

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072120\
 Data File : VU039591.D
 Acq On : 21 Jul 2020 11:40
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 22 01:55:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 01:54:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124391	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118273	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57829	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	28788	4.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.80%
7) Chloroethane-d5	1.92	69	30882	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.58	63	65547	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.00%
20) 2-Butanone-d5	4.65	46	130930	50.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.54%
24) Chloroform-d	5.08	84	76819	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.72	65	46968	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.74	84	142640	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.70	67	45887	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.91	98	134904	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	8.19	79	20599	5.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.20%
46) 2-Hexanone-d5	8.64	63	98215	49.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.74%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	42437	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	54526	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	33160	5.450	ug/L 94
3) Chloromethane	1.53	50	35597	5.388	ug/L 98
5) Vinyl chloride	1.61	62	37873	5.343	ug/L 98
6) Bromomethane	1.87	94	24752	5.417	ug/L 93
8) Chloroethane	1.94	64	28864	4.926	ug/L 96
9) Trichlorofluoromethane	2.15	101	72477	4.841	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	32879	5.088	ug/L 95
12) 1,1-Dichloroethene	2.59	96	30109	5.118	ug/L 98
13) Acetone	2.66	43	68967	47.586	ug/L 99
14) Carbon disulfide	2.81	76	93005	5.255	ug/L 100
15) Methyl Acetate	2.97	43	17505	4.944	ug/L 99
16) Methylene chloride	3.06	84	37412	4.402	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	95646	5.116	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	34729	5.317	ug/L 94
19) 1,1-Dichloroethane	3.89	63	69094	5.158	ug/L 100
21) 2-Butanone	4.73	43	126848	50.525	ug/L 97
22) cis-1,2-Dichloroethene	4.68	96	38940	5.118	ug/L 96

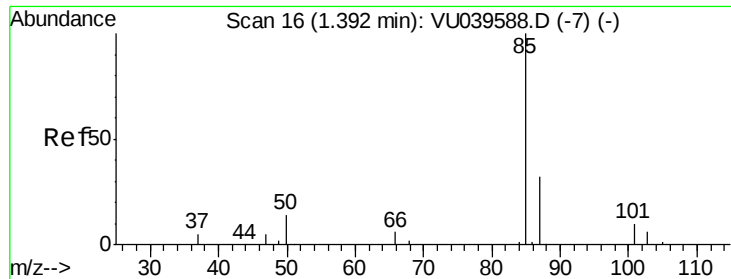
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072120\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	18961	5.366	ug/L	96
25) Chloroform	5.11	83	75899	4.969	ug/L	95
27) 1,2-Dichloroethane	5.81	62	54215	5.219	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	66887	5.352	ug/L	97
30) Cyclohexane	5.40	56	60467	5.494	ug/L	98
31) Carbon tetrachloride	5.54	117	57639	5.391	ug/L	99
33) Benzene	5.79	78	151424	5.328	ug/L	100
34) Trichloroethene	6.55	95	41087	5.250	ug/L	97
35) Methylcyclohexane	6.77	83	60110	5.228	ug/L	97
37) 1,2-Dichloropropane	6.80	63	40706	5.146	ug/L	100
38) Bromodichloromethane	7.12	83	56280	5.407	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	60830	5.354	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	316208	51.212	ug/L	99
42) Toluene	7.98	91	165722	5.326	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	53087	5.116	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	31580	5.259	ug/L	96
47) Tetrachloroethene	8.56	164	29689	5.546	ug/L	98
48) 2-Hexanone	8.69	43	230740	50.487	ug/L	100
49) Dibromochloromethane	8.82	129	38526	5.277	ug/L	95
50) 1,2-Dibromoethane	8.93	107	30402	5.167	ug/L	97
51) Chlorobenzene	9.45	112	107684	5.408	ug/L	97
52) Ethylbenzene	9.57	91	187271	5.291	ug/L	99
53) m,p-Xylene	9.70	106	69955	5.297	ug/L	95
54) o-Xylene	10.10	106	67024	5.197	ug/L	98
55) Styrene	10.11	104	115225	5.320	ug/L	100
56) Isopropylbenzene	10.48	105	187186	5.317	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	40879	5.265	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	29796	5.135	ug/L	99
61) Bromoform	10.29	173	21930	5.355	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	86474	5.503	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	84692	5.354	ug/L	95
65) 1,2-Dichlorobenzene	12.21	146	82844	5.459	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	7280	6.274	ug/L	89
67) 1,3,5-Trichlorobenzene	13.21	180	64986	5.746	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	55567	5.983	ug/L	97
69) Naphthalene	14.08	128	101401	6.447	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	49048	5.944	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.450 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

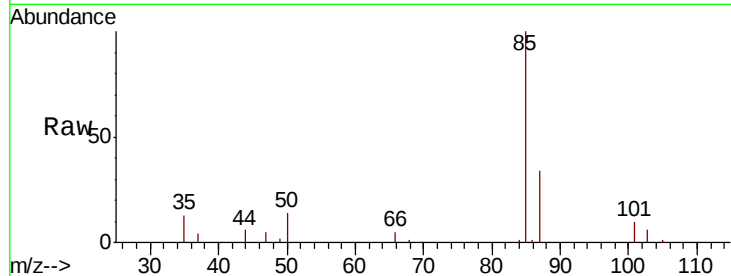
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 33160

Ion Ratio Lower Upper

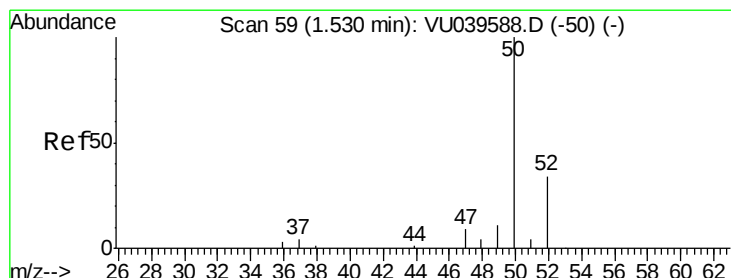
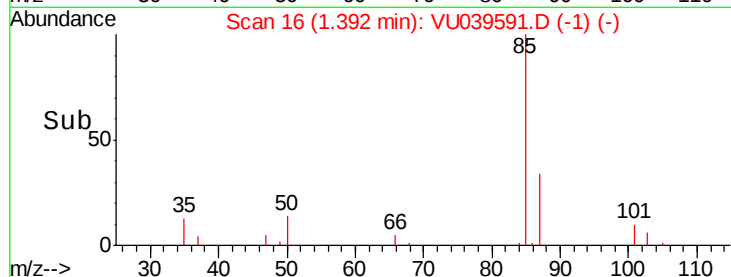
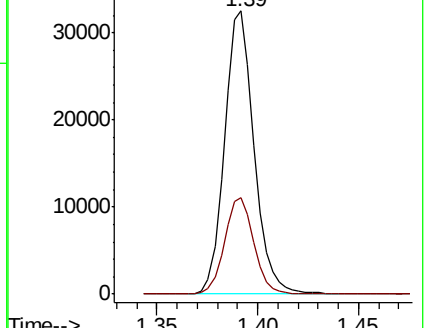
85 100

87 33.7 24.5 36.7



Abundance Ion 85.00 (84.70 to 85.70): VU039588.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039588.D (-7) (-)



#3

Chloromethane

Concen: 5.388 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039591.D

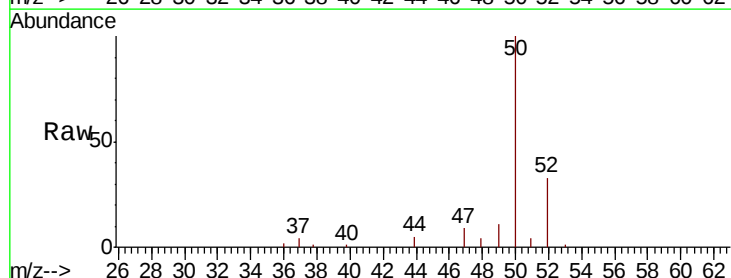
Acq: 21 Jul 2020 11:40

Tgt Ion: 50 Resp: 35597

Ion Ratio Lower Upper

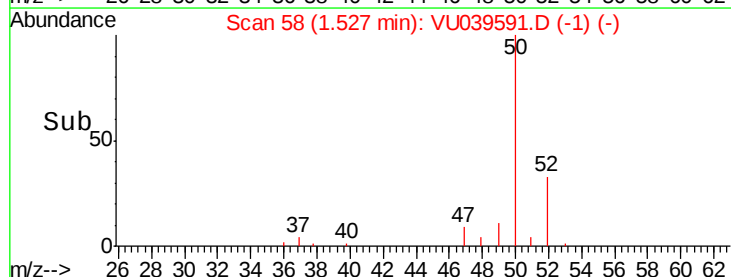
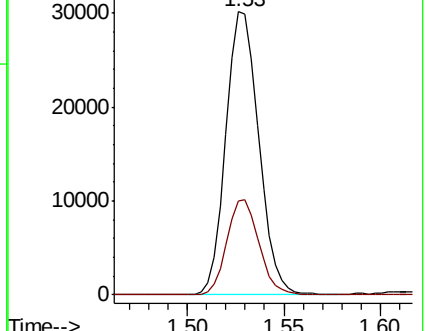
50 100

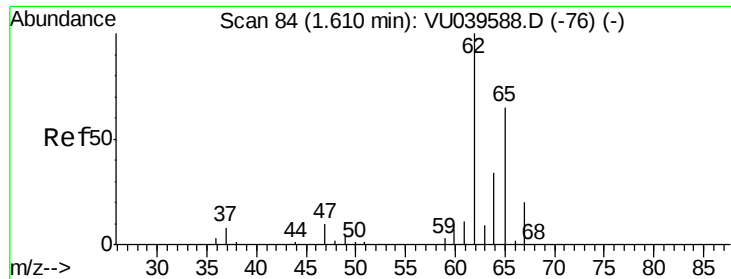
52 33.1 23.9 44.5



Abundance Ion 50.05 (49.75 to 50.75): VU039588.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039588.D (-50) (-)





#5

Vinyl chloride

Concen: 5.343 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

Instrument :

MSVOA_U

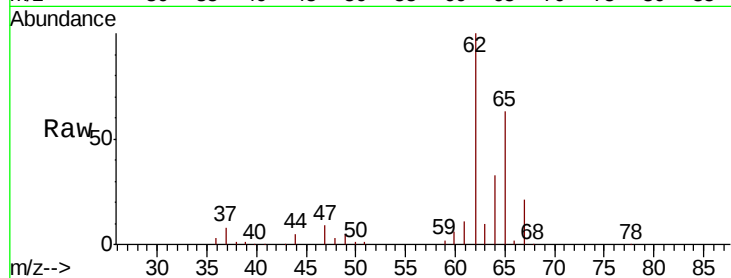
ClientSampleId :

Tot Ion: 62 Resp: 37873

Ion Ratio Lower Upper

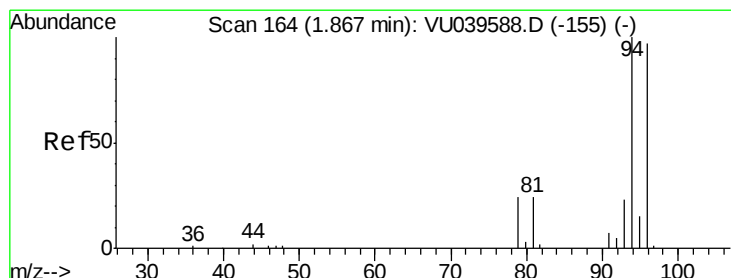
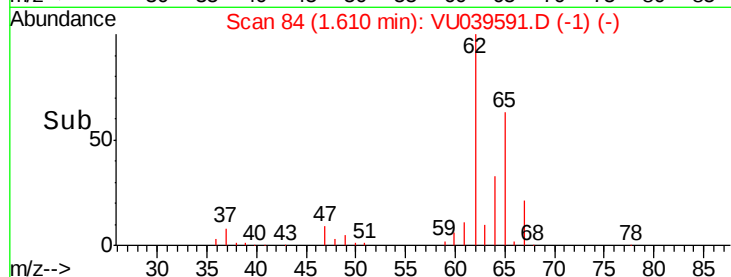
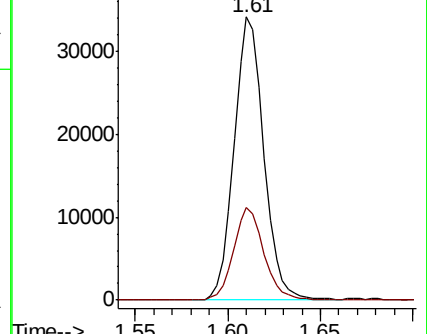
62 100

64 32.5 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU039588.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU039588.D (-76) (-)



#6

Bromomethane

Concen: 5.417 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039591.D

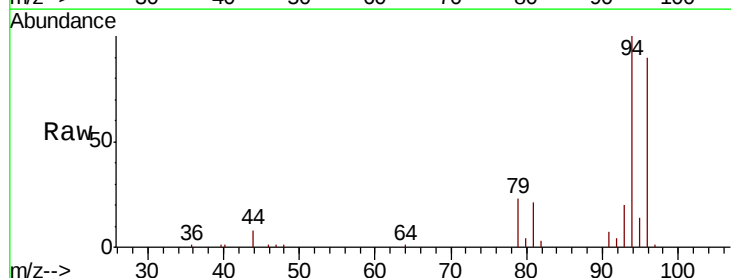
Acq: 21 Jul 2020 11:40

Tgt Ion: 94 Resp: 24752

Ion Ratio Lower Upper

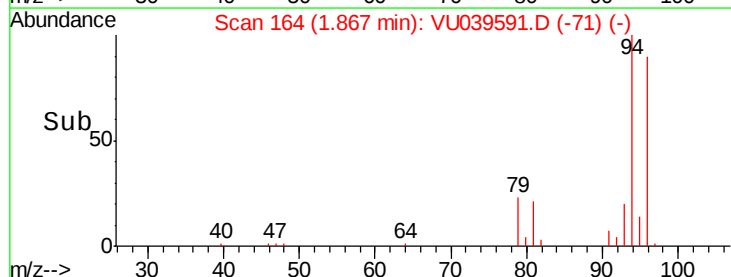
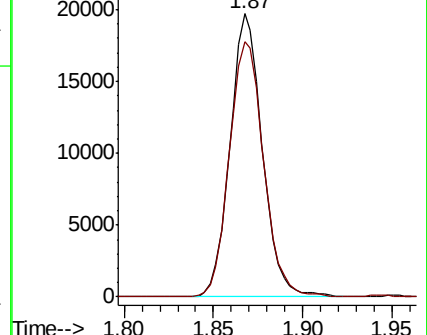
94 100

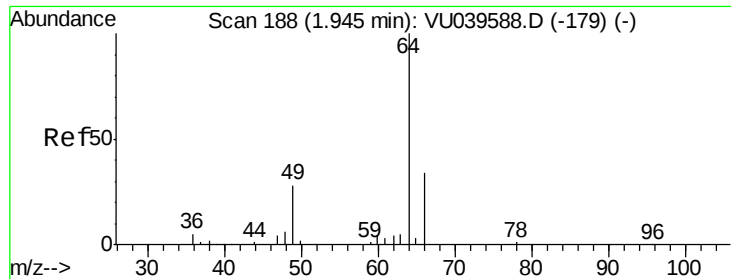
96 90.4 68.0 126.2



Abundance Ion 94.00 (93.70 to 94.70): VU039588.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039588.D (-155) (-)

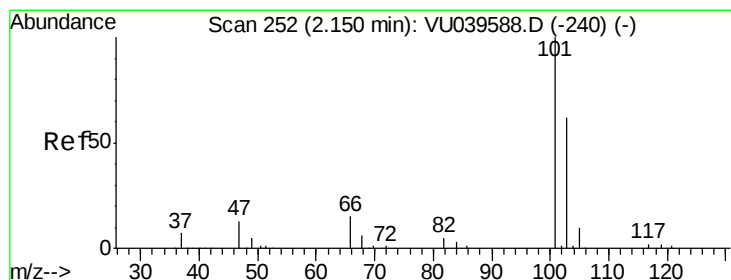
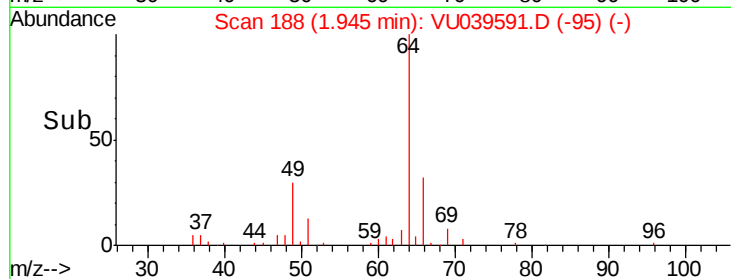
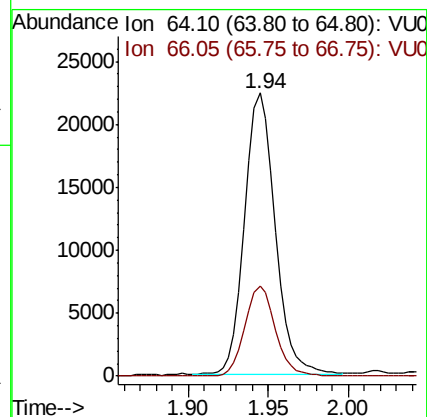
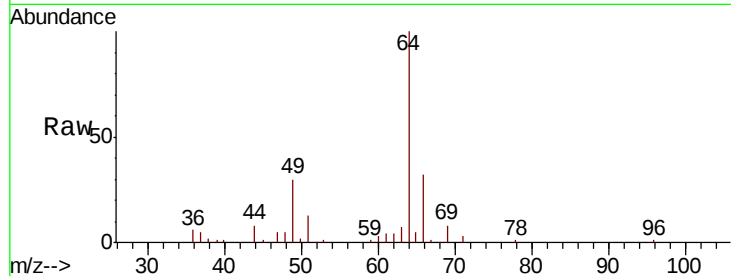




#8
Chloroethane
Concen: 4.926 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU039591.D
Acq: 21 Jul 2020 11:40

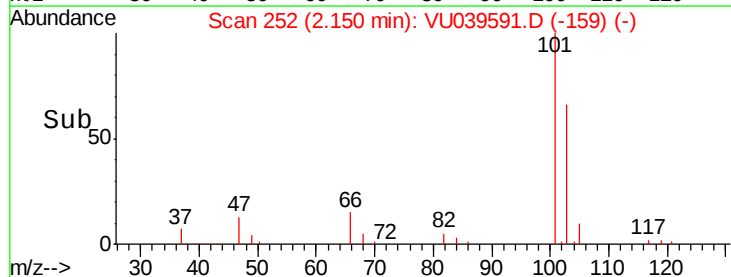
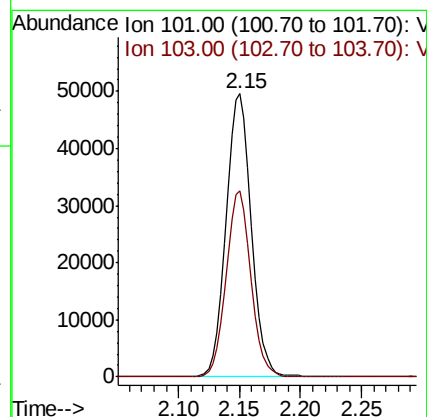
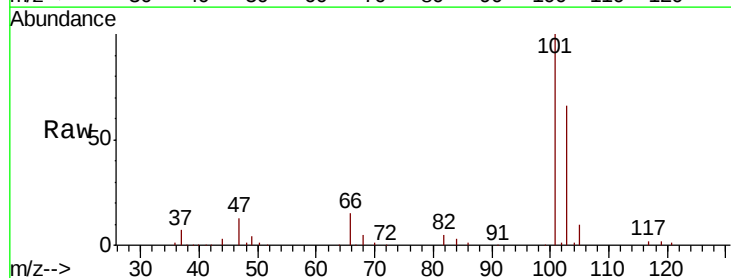
Instrument :
MSVOA_U
ClientSampleId :

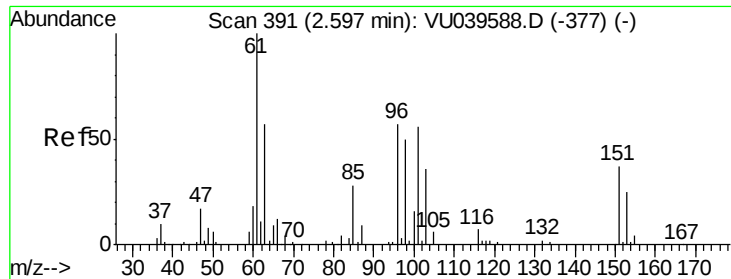
Tot Ion: 64 Resp: 28864
Ion Ratio Lower Upper
64 100
66 32.0 24.0 44.6



#9
Trichlorofluoromethane
Concen: 4.841 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU039591.D
Acq: 21 Jul 2020 11:40

Tgt Ion:101 Resp: 72477
Ion Ratio Lower Upper
101 100
103 64.3 50.6 75.8





#10

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

Concen: 5.088 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

Instrument :

MSVOA_U

ClientSampled :

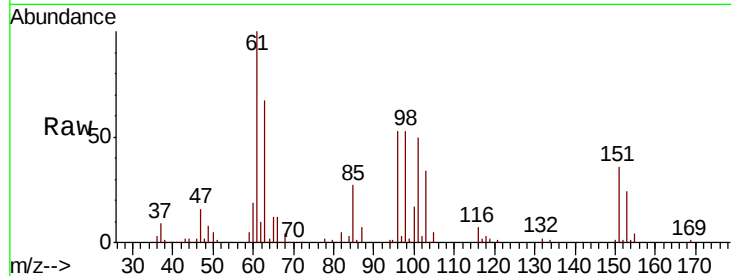
Tot Ion:101 Resp: 32879

Ion Ratio Lower Upper

101 100

85 51.0 38.7 58.1

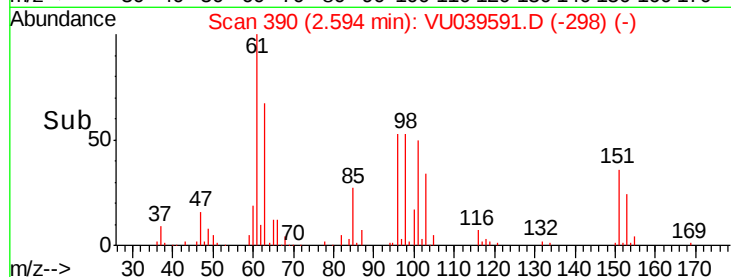
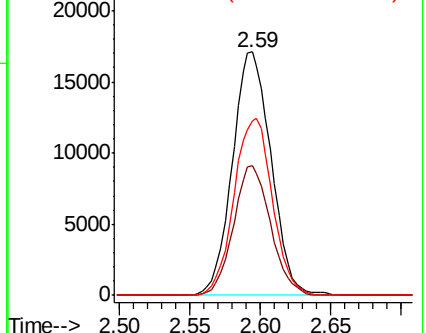
151 72.0 53.4 80.2



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: 5.118 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

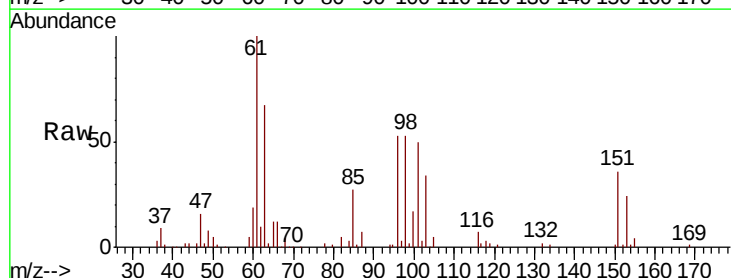
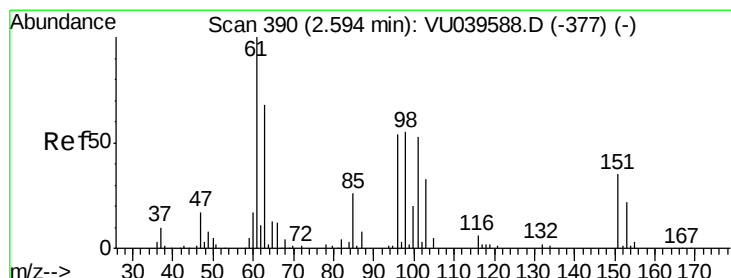
Tgt Ion: 96 Resp: 30109

Ion Ratio Lower Upper

96 100

61 187.3 129.1 239.7

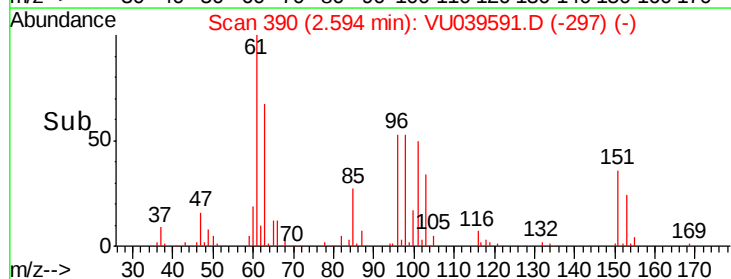
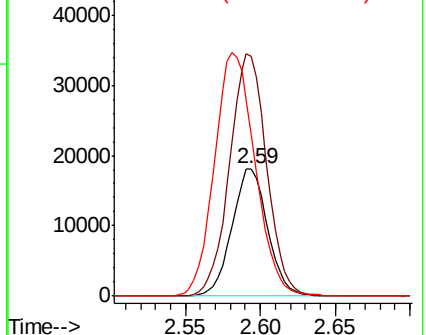
63 126.3 89.7 166.7

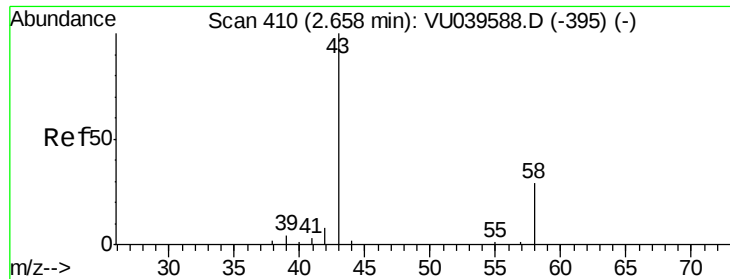


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.586 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

Instrument :

MSVOA_U

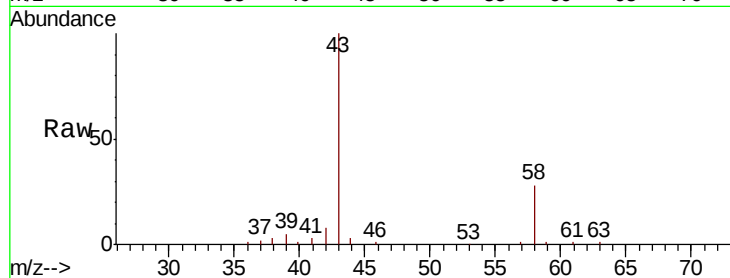
ClientSampleId :

Tot Ion: 43 Resp: 68967

Ion Ratio Lower Upper

43 100

58 28.7 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU039588.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU039588.D (-395) (-)

2.66

25000

20000

15000

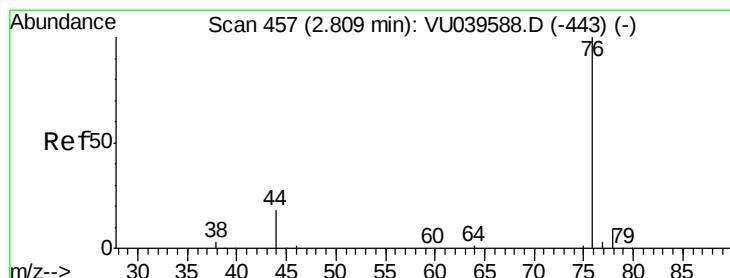
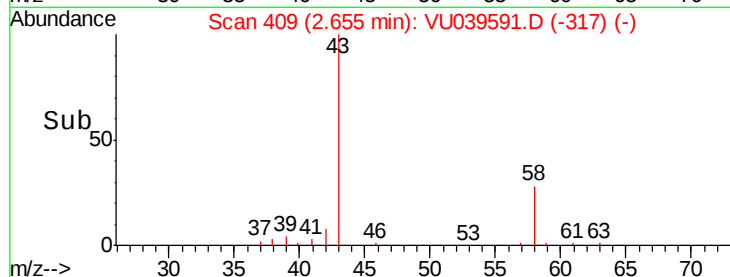
10000

5000

0

Time-->

2.60 2.70



#14

Carbon disulfide

Concen: 5.255 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039591.D

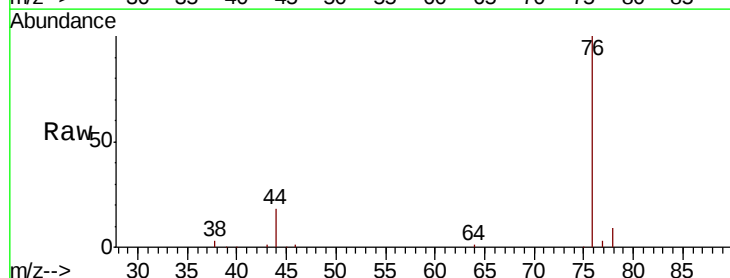
Acq: 21 Jul 2020 11:40

Tgt Ion: 76 Resp: 93005

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU039588.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039588.D (-443) (-)

2.81

60000

50000

40000

30000

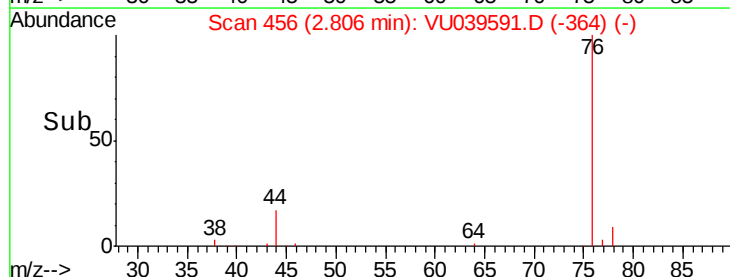
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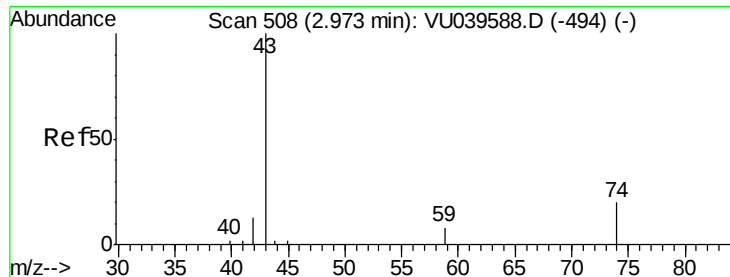
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0

Time-->

2.75 2.80 2.85 2.90

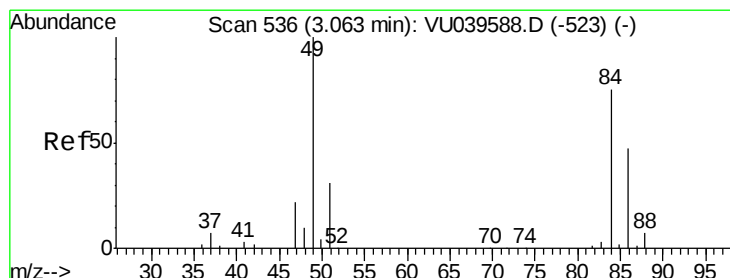
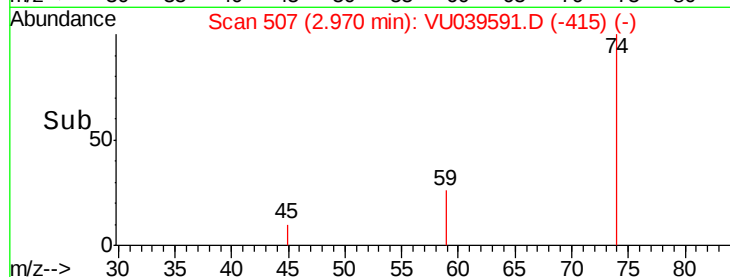
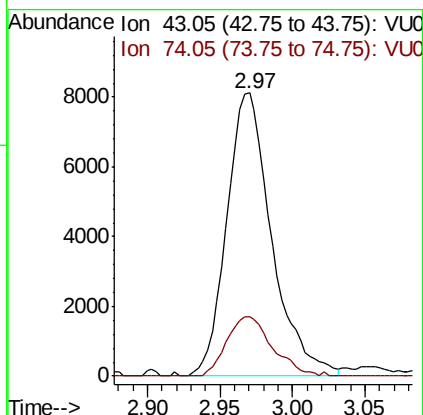
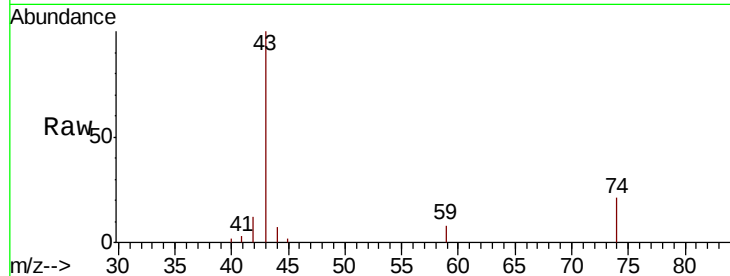




#15
Methvl Acetate
Concen: 4.944 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU039591.D
Acq: 21 Jul 2020 11:40

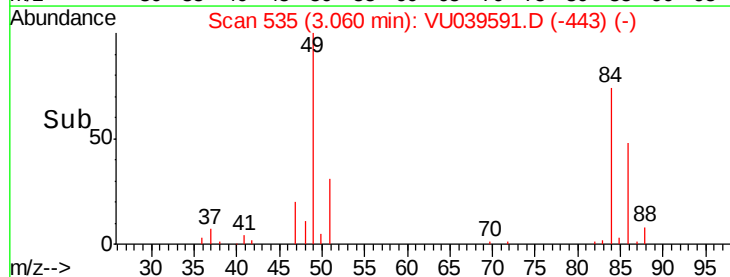
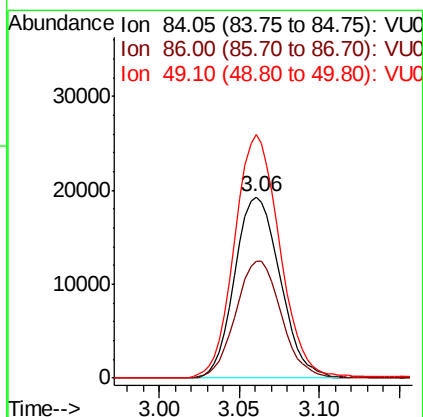
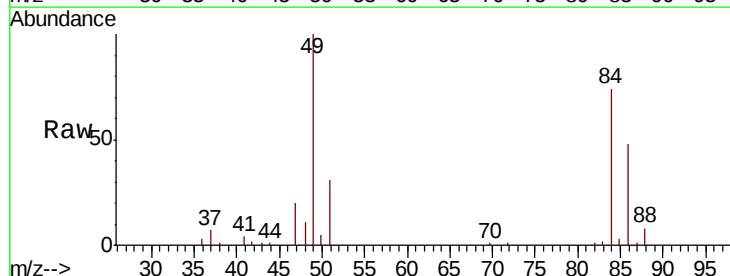
Instrument :
MSVOA_U
ClientSampleId :

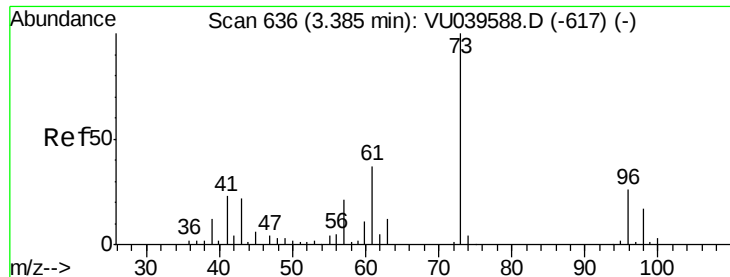
Tot Ion: 43 Resp: 17505
Ion Ratio Lower Upper
43 100
74 21.3 16.6 24.8



#16
Methylene chloride
Concen: 4.402 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039591.D
Acq: 21 Jul 2020 11:40

Tgt Ion: 84 Resp: 37412
Ion Ratio Lower Upper
84 100
86 64.8 43.8 81.4
49 134.4 92.7 172.3



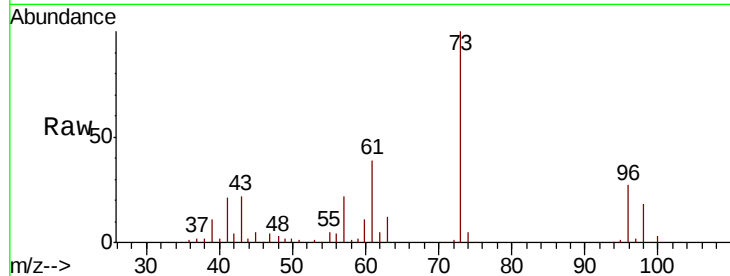


#17

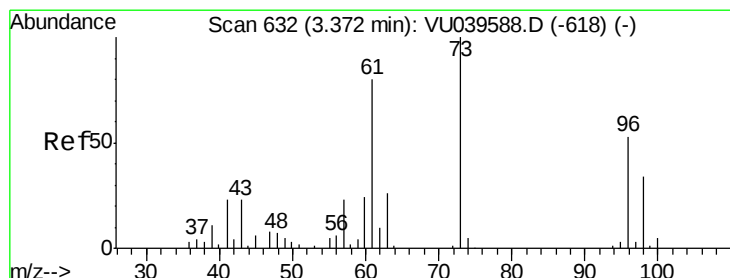
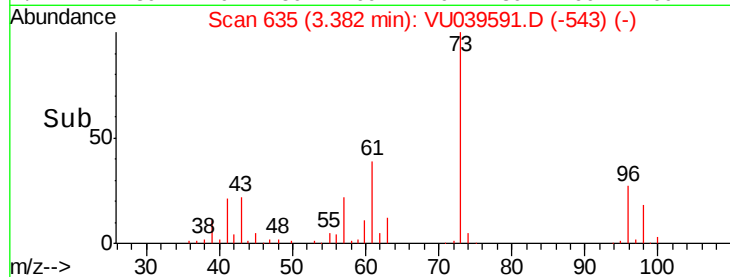
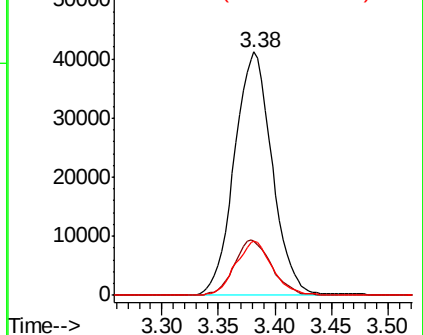
Methvl tert-butvl Ether
 Concen: 5.116 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 95646
 Ion Ratio Lower Upper
 73 100
 43 22.3 18.2 27.4
 57 21.6 17.9 26.9



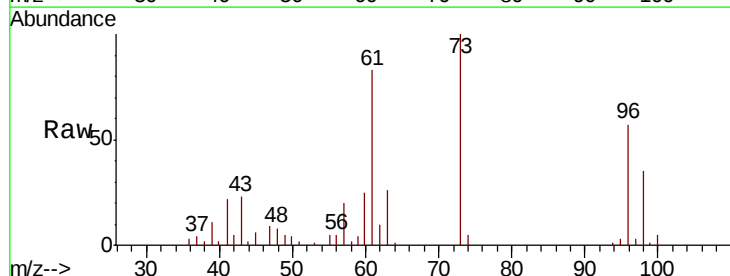
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



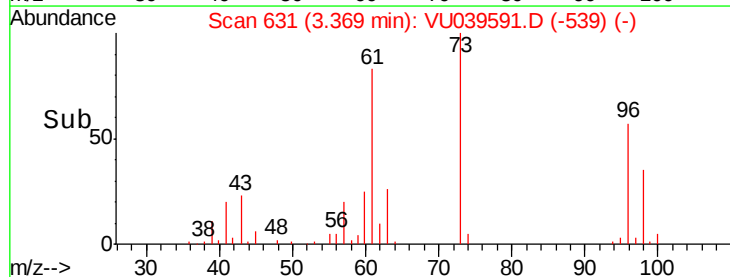
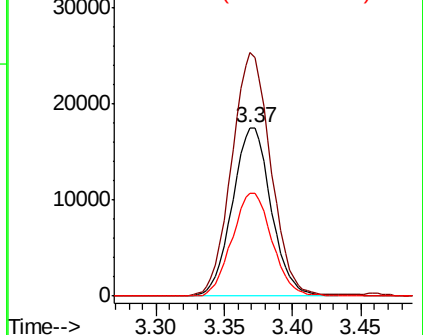
#18

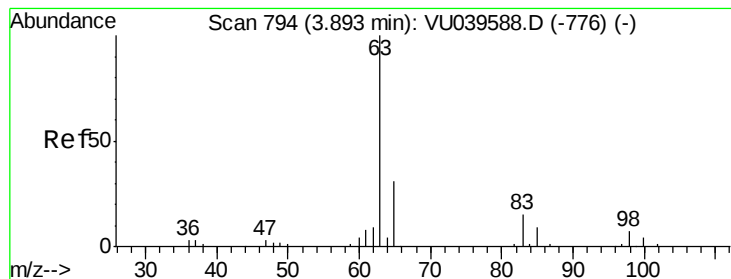
trans-1,2-Dichloroethene
 Concen: 5.317 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

Tgt Ion: 96 Resp: 34729
 Ion Ratio Lower Upper
 96 100
 61 144.4 106.5 197.9
 98 61.0 45.2 84.0



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: 5.158 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

Instrument :
MSVOA_U
ClientSampleId :

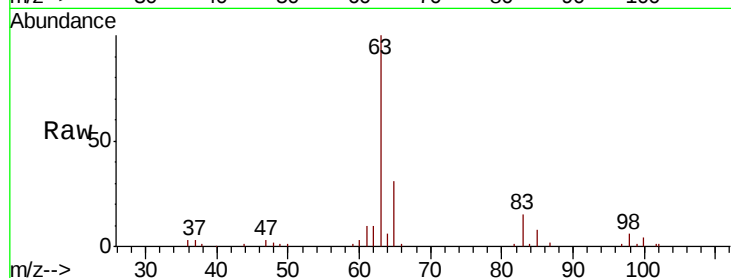
Tot Ion: 63 Resp: 69094

Ion Ratio Lower Upper

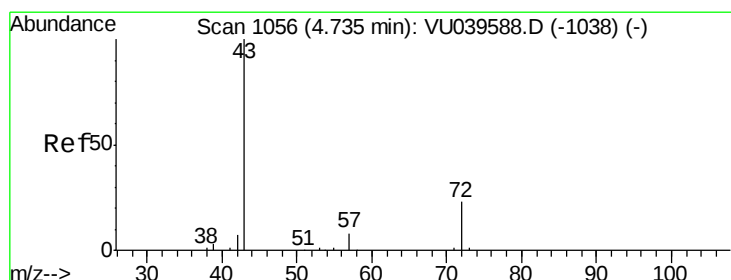
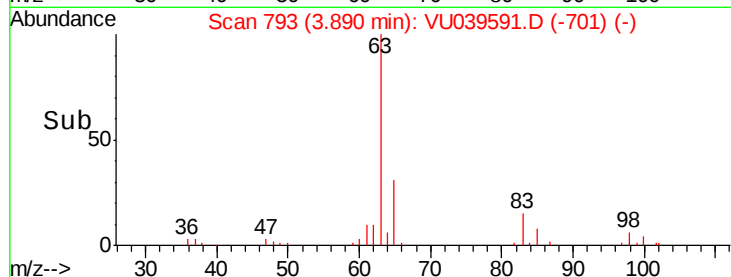
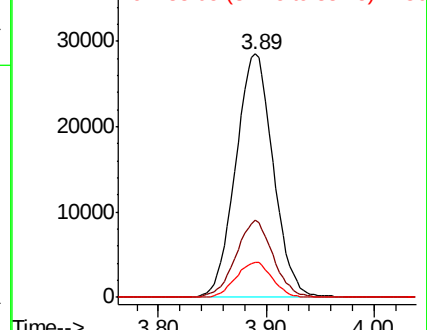
63 100

65 31.5 21.8 40.4

83 14.6 10.2 19.0



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



#21

2-Butanone

Concen: 50.525 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VU039591.D

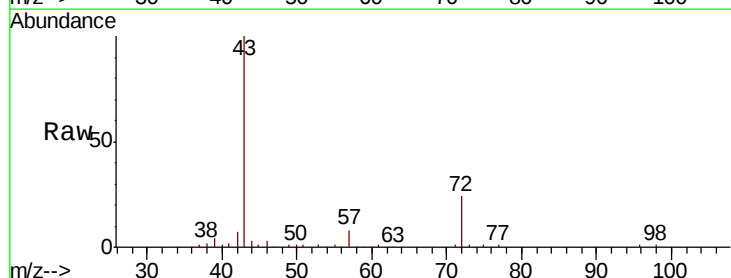
Acq: 21 Jul 2020 11:40

Tgt Ion: 43 Resp: 126848

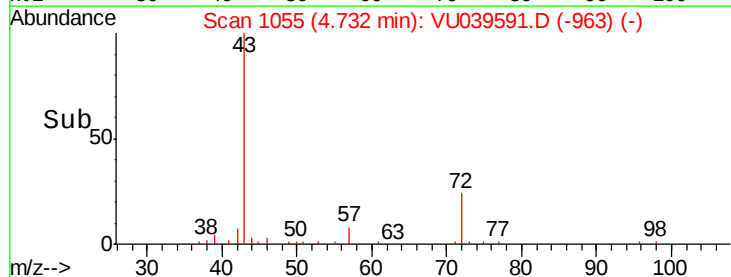
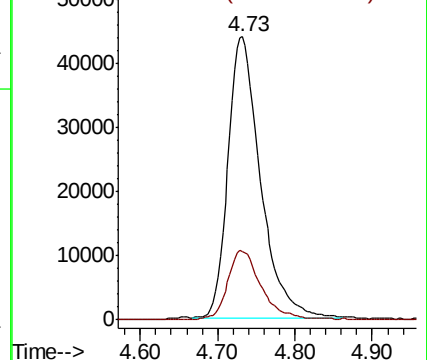
Ion Ratio Lower Upper

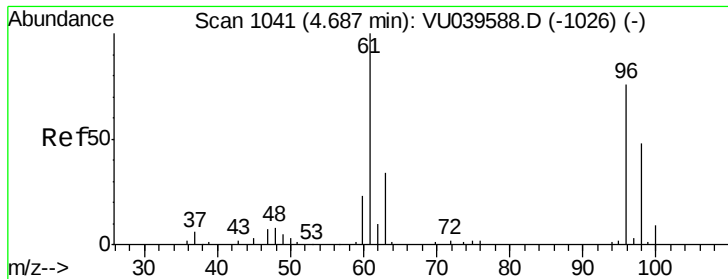
43 100

72 25.9 12.2 36.4



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

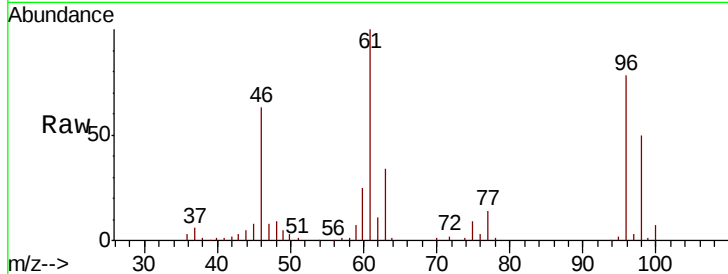




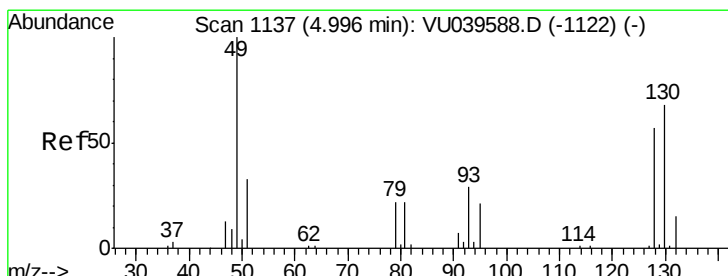
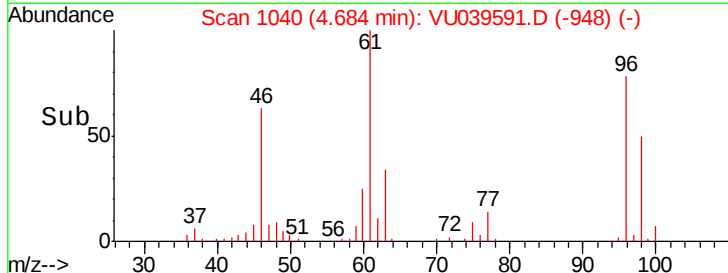
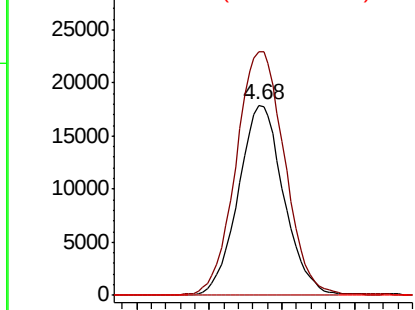
#22
 cis-1,2-Dichloroethene
 Concen: 5.118 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 38940
 Ion Ratio Lower Upper
 96 100
 61 128.1 93.0 172.8
 68 0.0 0.0 0.0

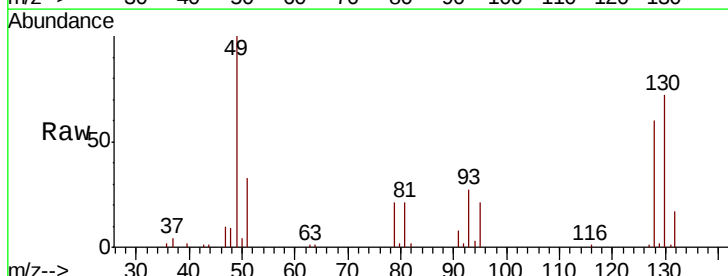


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

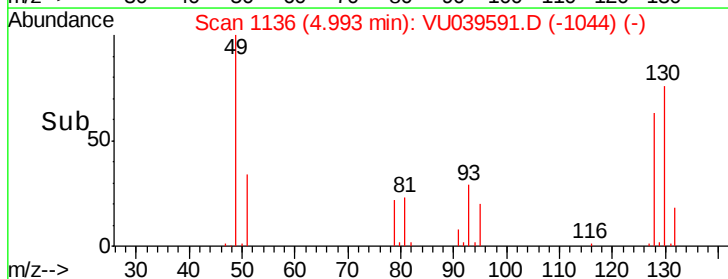
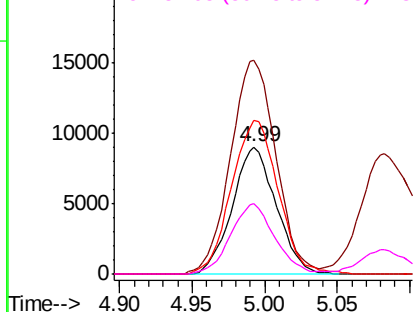


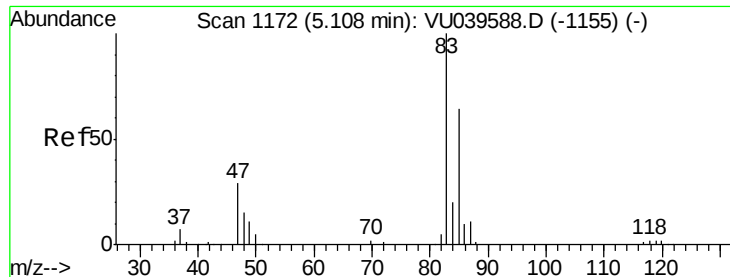
#23
 Bromochloromethane
 Concen: 5.366 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

Tgt Ion: 128 Resp: 18961
 Ion Ratio Lower Upper
 128 100
 49 168.0 123.1 228.7
 130 120.9 83.2 154.4
 51 55.4 46.2 69.2



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

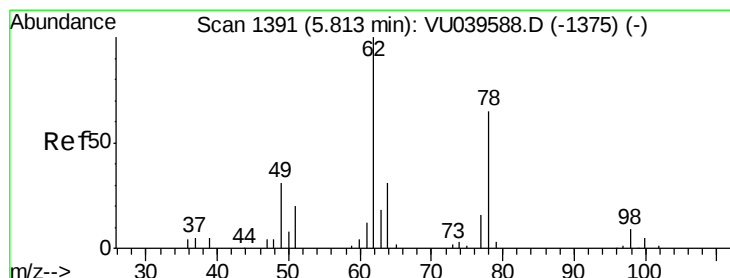
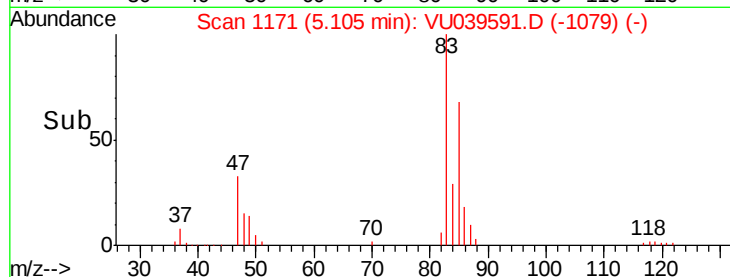
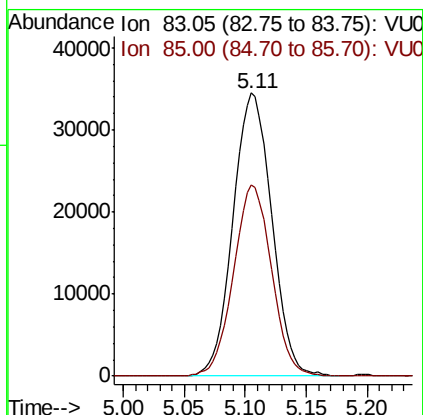
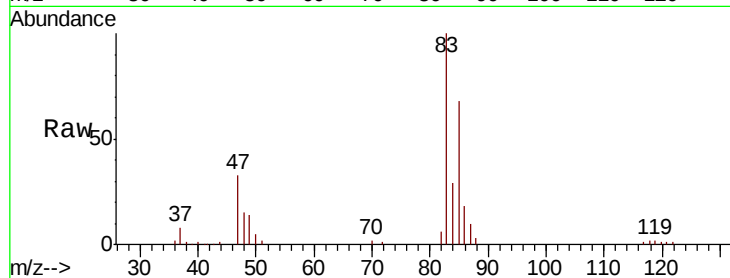




#25
Chloroform
Concen: 4.969 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039591.D
Acq: 21 Jul 2020 11:40

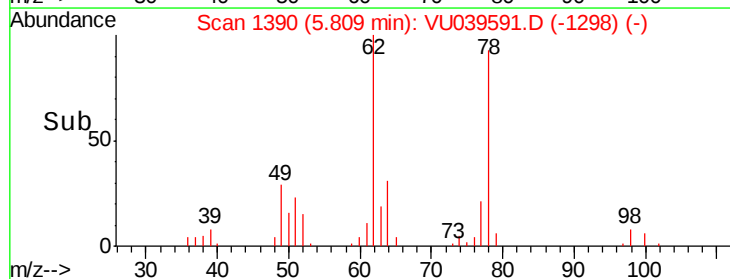
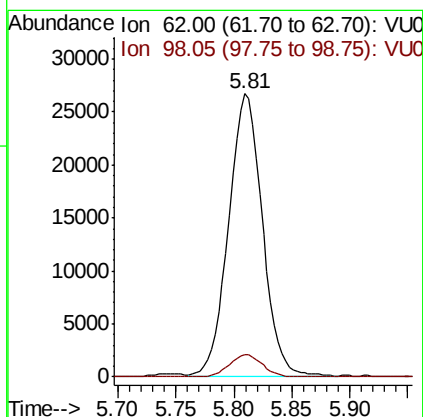
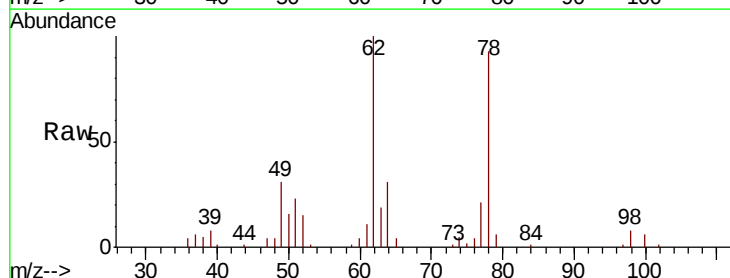
Instrument :
MSVOA_U
ClientSampleId :

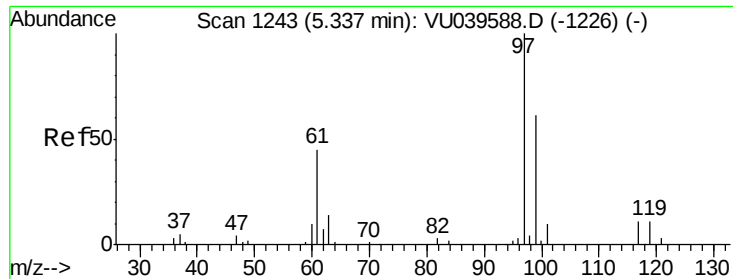
Tot Ion: 83 Resp: 75899
Ion Ratio Lower Upper
83 100
85 67.7 44.4 82.5



#27
1,2-Dichloroethane
Concen: 5.219 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU039591.D
Acq: 21 Jul 2020 11:40

Tgt Ion: 62 Resp: 54215
Ion Ratio Lower Upper
62 100
98 7.8 6.7 10.1

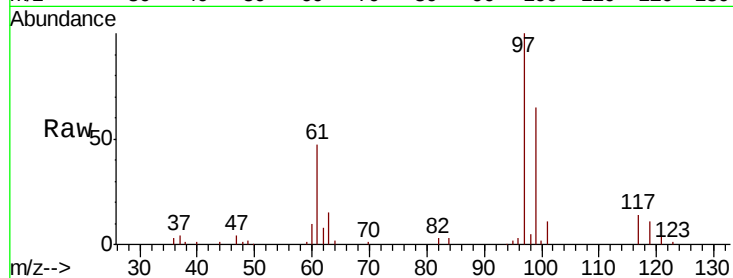




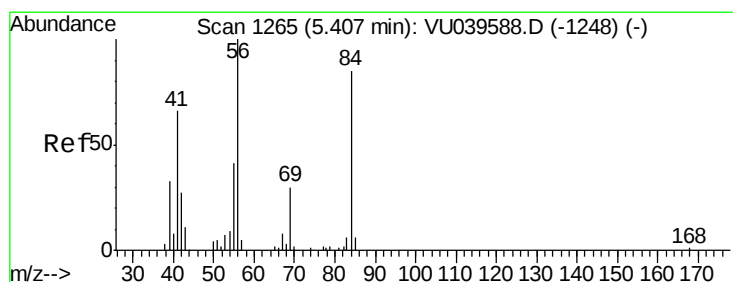
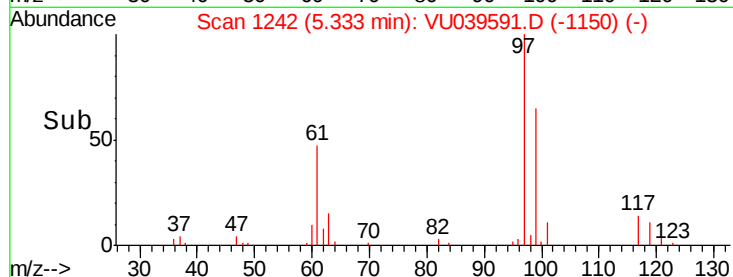
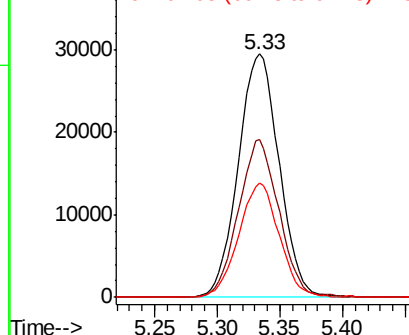
#29
 1,1,1-Trichloroethane
 Concen: 5.352 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 66887
 Ion Ratio Lower Upper
 97 100
 99 64.1 49.5 74.3
 61 46.6 38.8 58.2

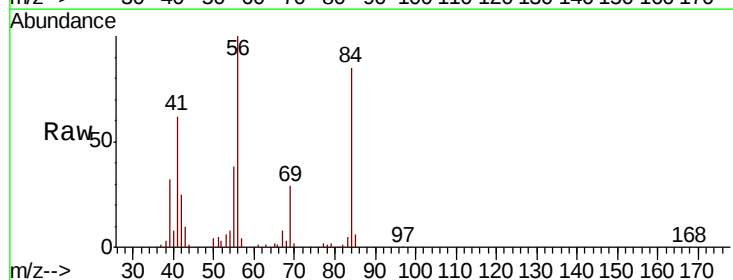


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

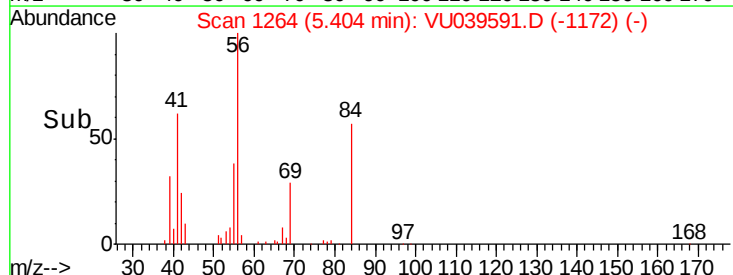
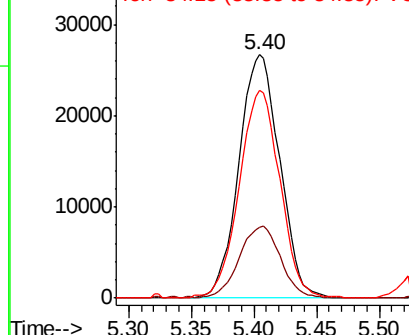


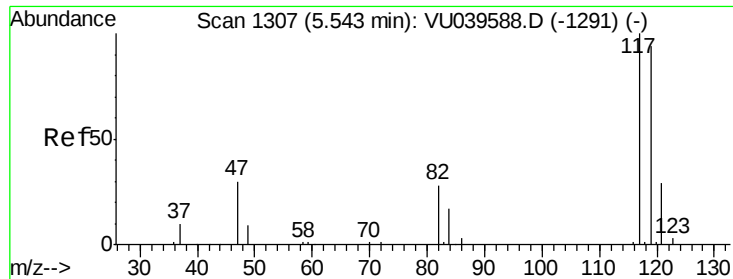
#30
 Cyclohexane
 Concen: 5.494 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

Tgt Ion: 56 Resp: 60467
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.0 36.0
 84 85.2 69.8 104.6



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: 5.391 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

Instrument :

MSVOA_U

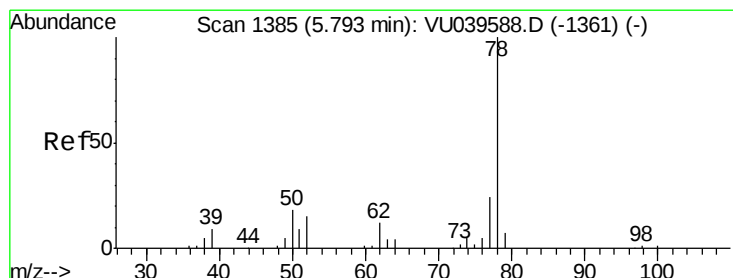
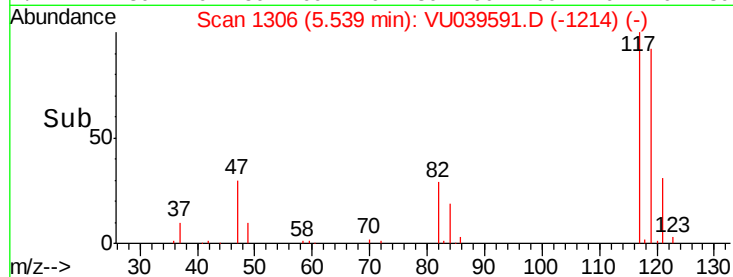
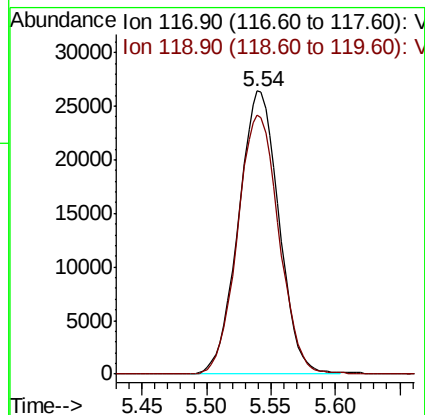
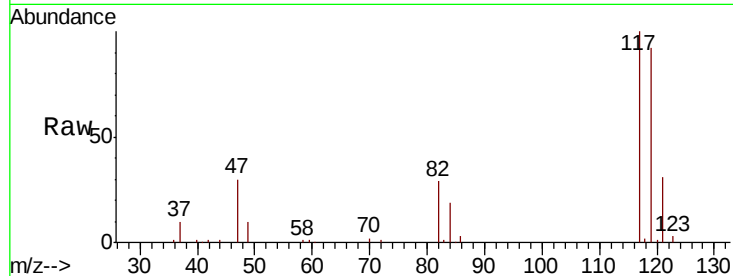
ClientSampleId :

Tot Ion:117 Resp: 57639

Ion Ratio Lower Upper

117 100

119 93.6 75.7 113.5



#33

Benzene

Concen: 5.328 ug/L

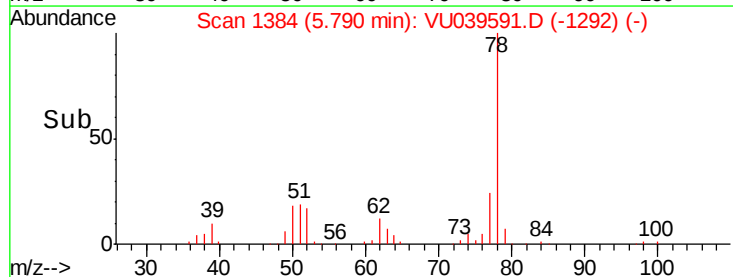
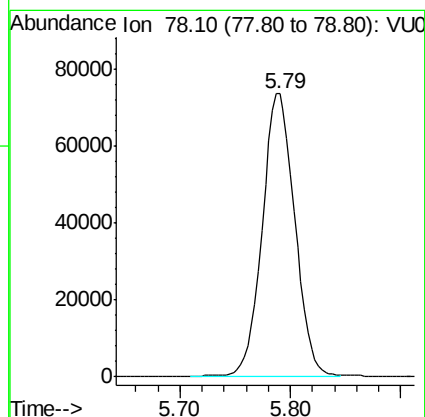
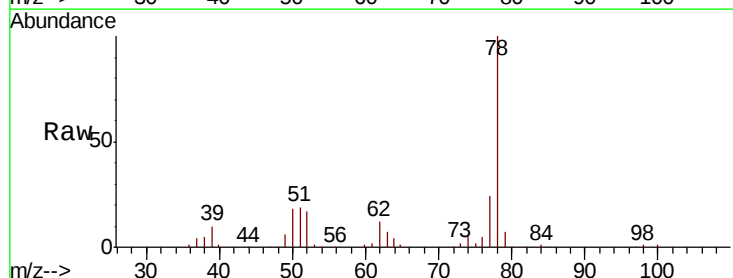
RT: 5.79 min Scan# 1384

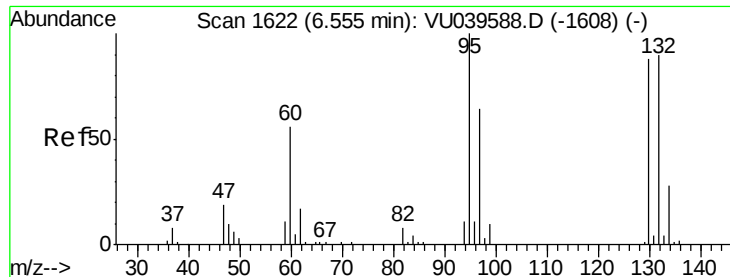
Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

Tgt Ion: 78 Resp: 151424

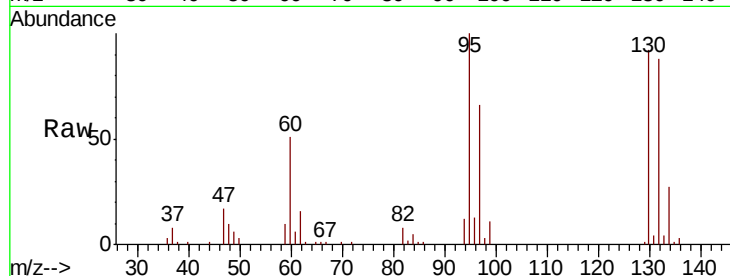




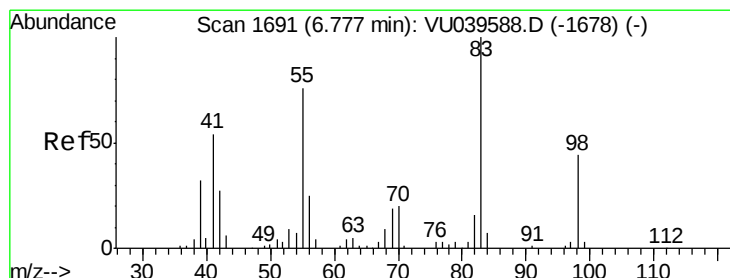
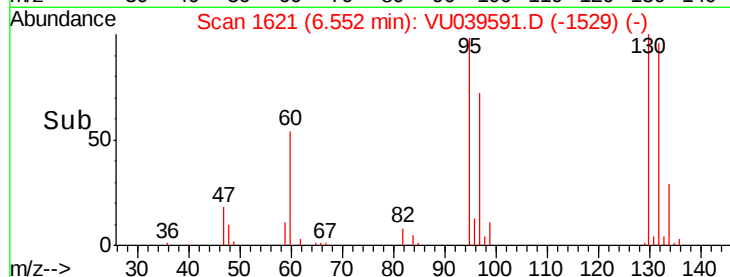
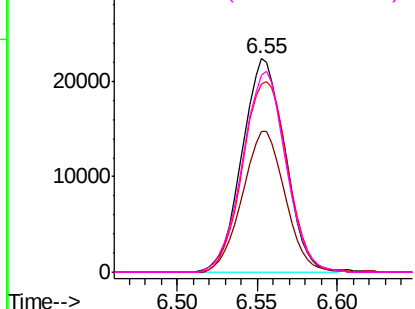
#34
 Trichloroethene
 Concen: 5.250 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 41087
 Ion Ratio Lower Upper
 95 100
 97 66.2 44.9 83.3
 132 88.3 62.8 116.6
 130 92.3 61.5 114.1

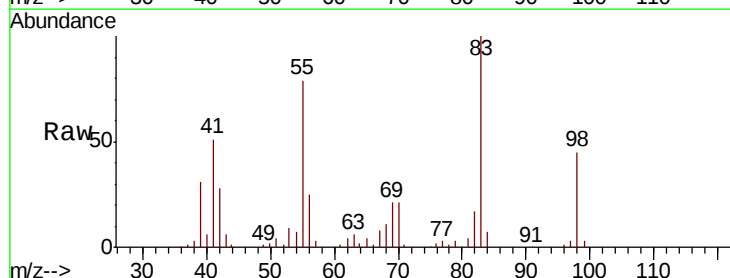


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

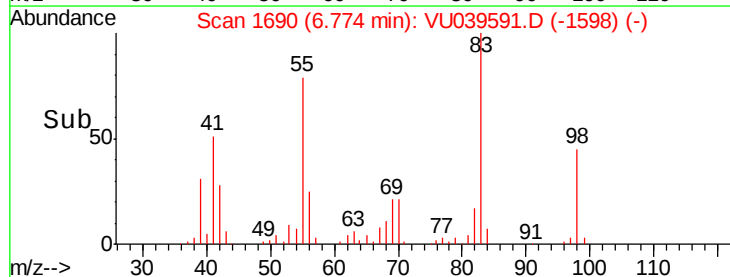
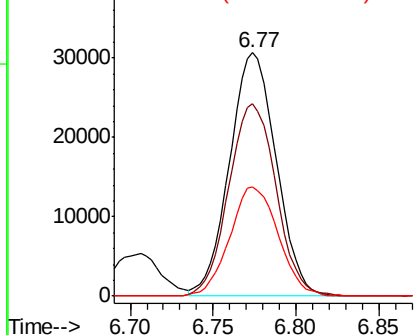


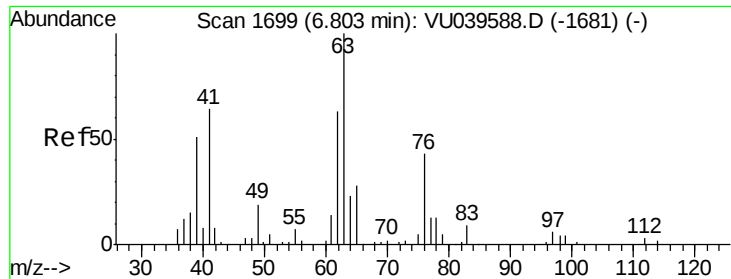
#35
 Methylcyclohexane
 Concen: 5.228 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

Tgt Ion: 83 Resp: 60110
 Ion Ratio Lower Upper
 83 100
 55 80.5 63.0 94.6
 98 46.7 35.3 52.9



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

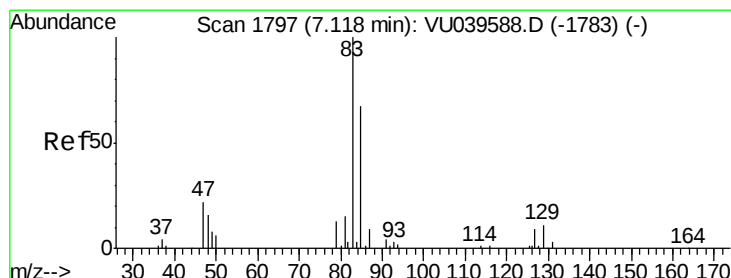
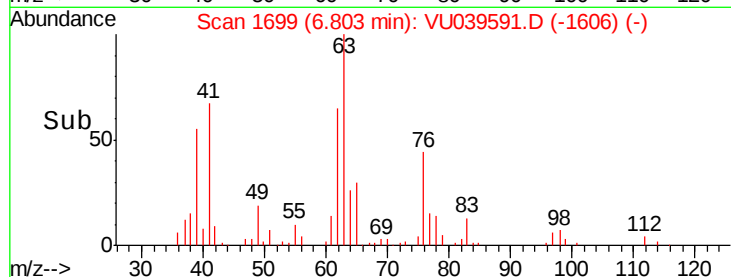
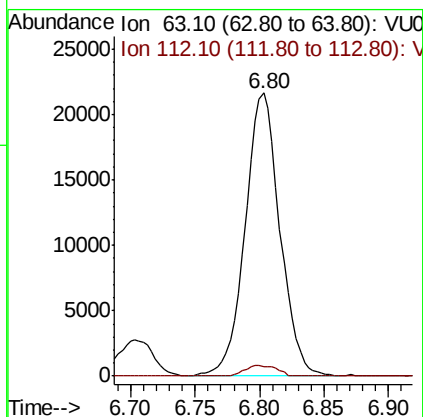
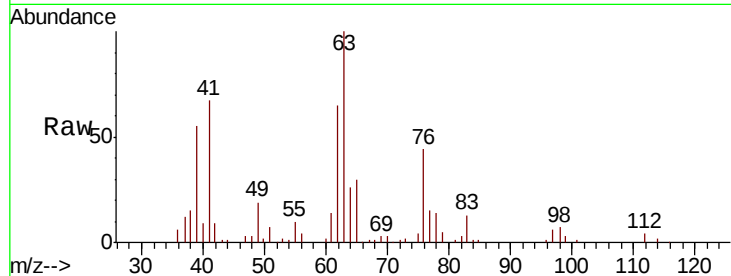




#37
 1,2-Dichloropropane
 Concen: 5.146 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

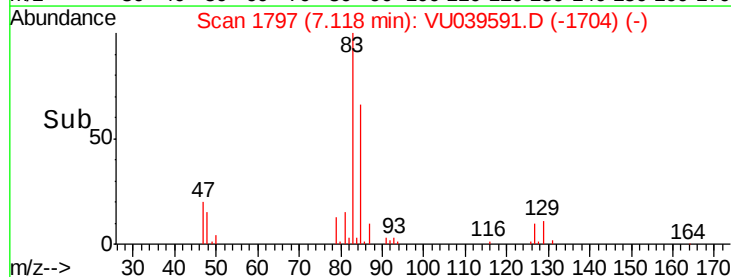
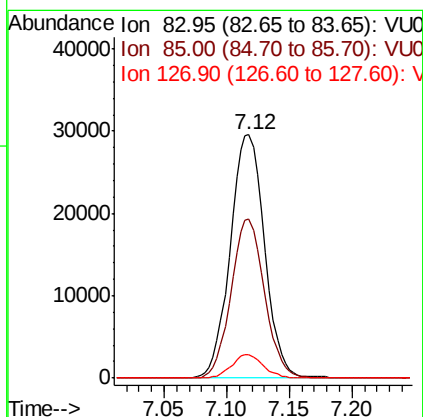
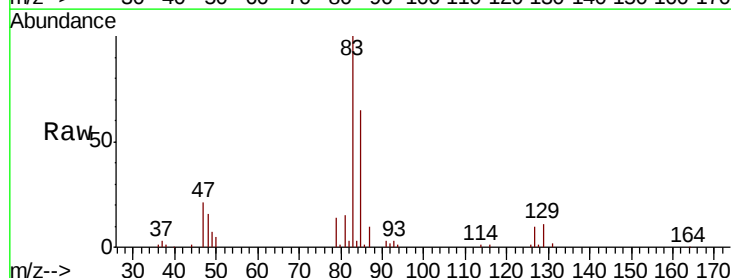
Instrument :
 MSVOA_U
 ClientSampleID :

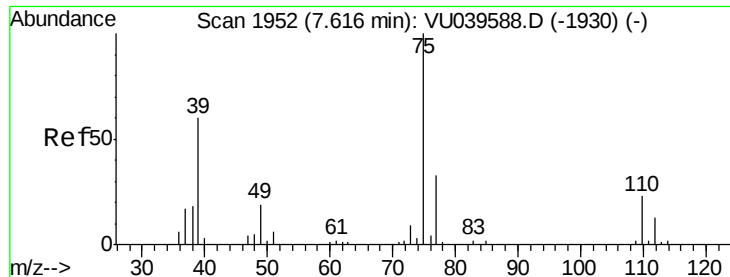
Tot Ion: 63 Resp: 40706
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.7 4.1



#38
 Bromodichloromethane
 Concen: 5.407 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

Tgt Ion: 83 Resp: 56280
 Ion Ratio Lower Upper
 83 100
 85 65.4 46.6 86.6
 127 9.6 7.0 10.6

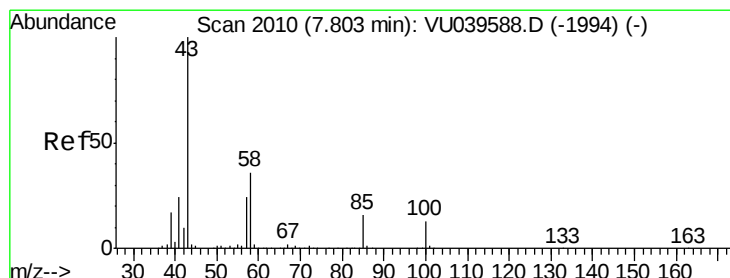
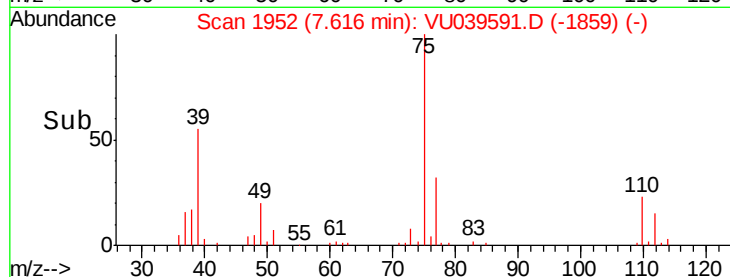
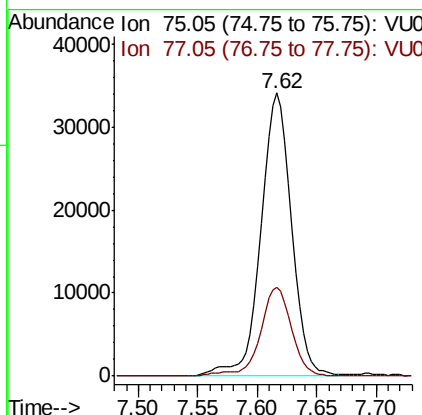
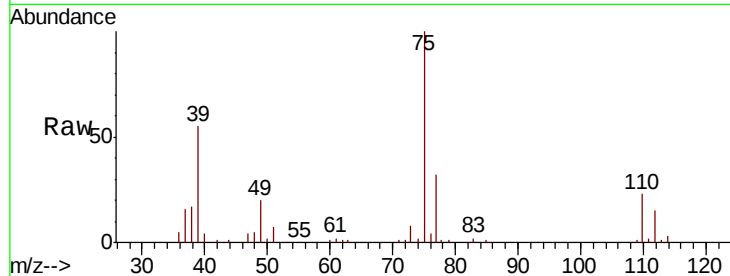




#39
 cis-1,3-Dichloropropene
 Concen: 5.354 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

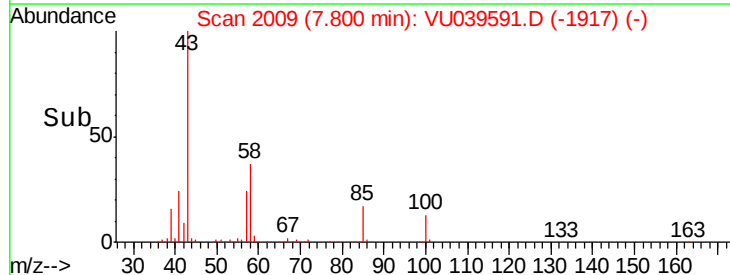
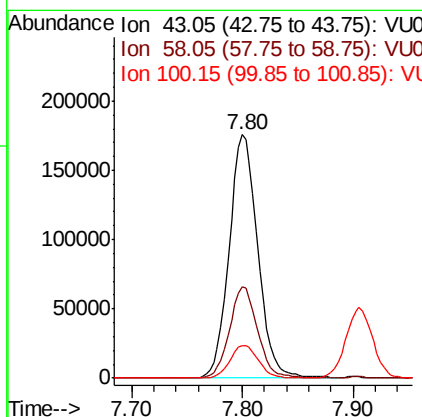
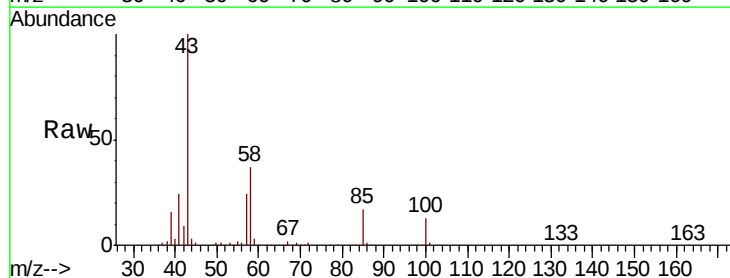
Instrument :
 MSVOA_U
 ClientSampleId :

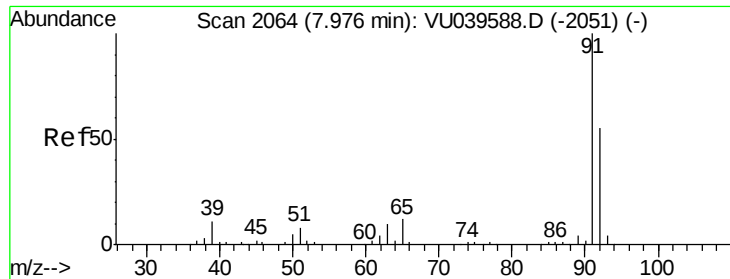
Tot Ion: 75 Resp: 60830
 Ion Ratio Lower Upper
 75 100
 77 31.6 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 51.212 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

Tgt Ion: 43 Resp: 316208
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.2 43.8
 100 13.5 10.5 15.7





#42

Toluene

Concen: 5.326 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

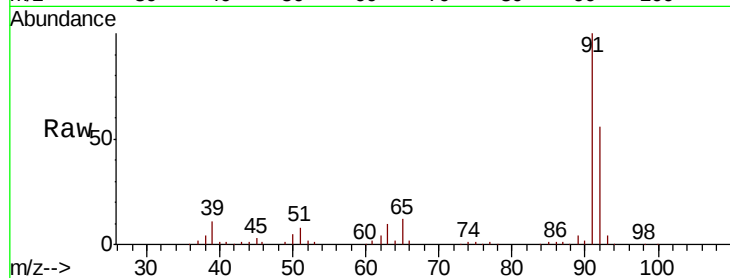
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 165722

Ion Ratio Lower Upper

91 100

92 56.2 38.6 71.6



Abundance Ion 91.15 (90.85 to 91.85): VU039588.D (-2051) (-)

Ion 92.15 (91.85 to 92.85): VU039591.D (-1971) (-)

7.98

100000

80000

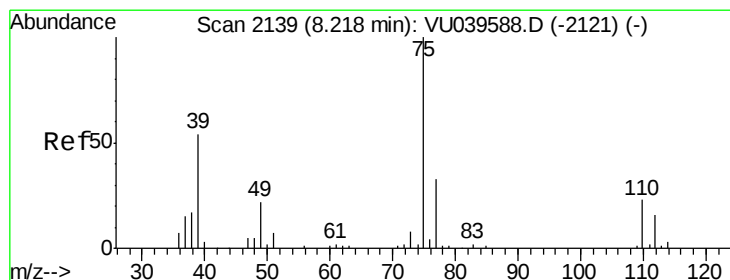
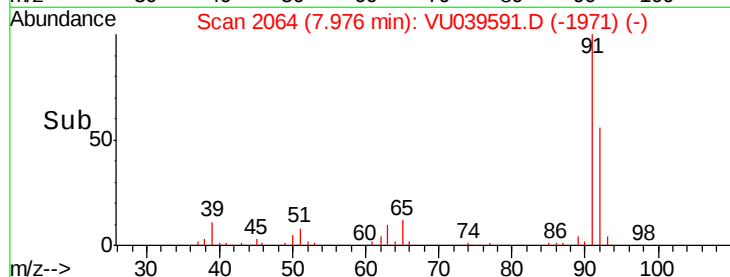
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.116 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039591.D

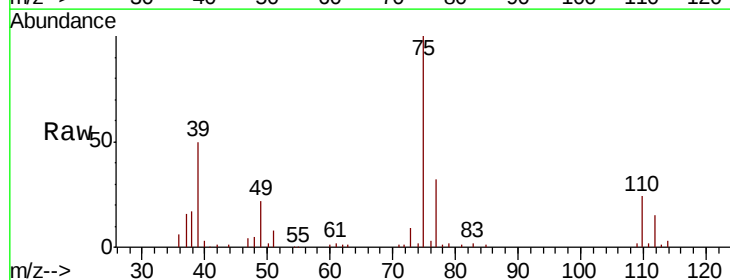
Acq: 21 Jul 2020 11:40

Tgt Ion: 75 Resp: 53087

Ion Ratio Lower Upper

75 100

77 32.3 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU039588.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039591.D (-2046) (-)

8.22

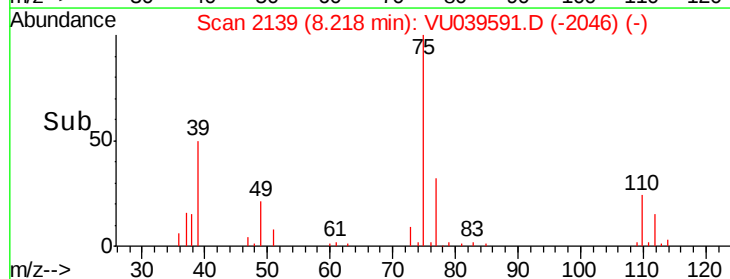
30000

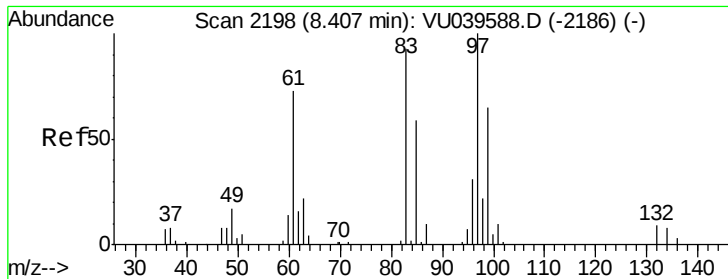
20000

10000

0

Time-->

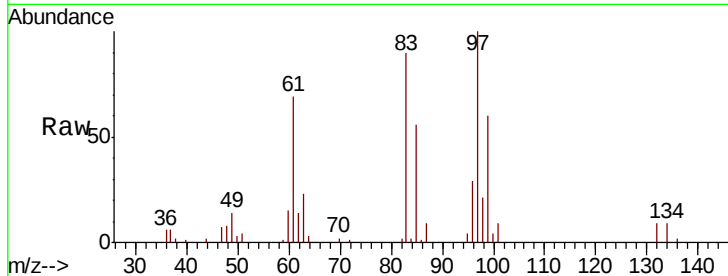




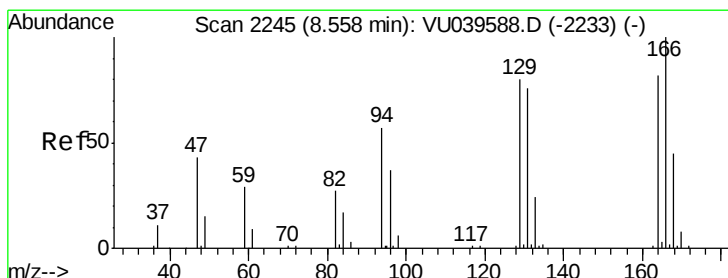
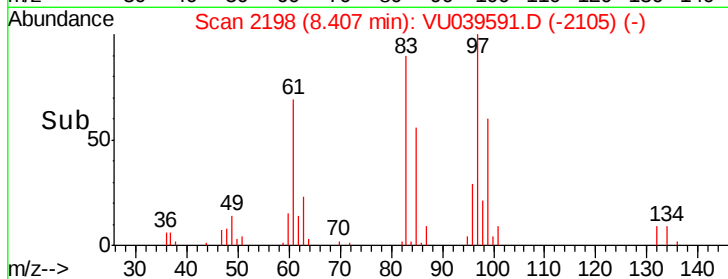
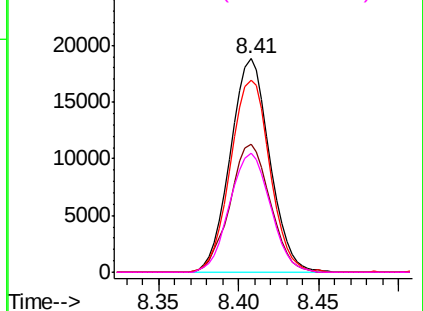
#45
 1,1,2-Trichloroethane
 Concen: 5.259 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	31580
Ion	Ratio	Lower	Upper
97	100		
99	59.8	45.2	84.0
83	90.2	64.9	120.5
85	55.8	41.4	77.0

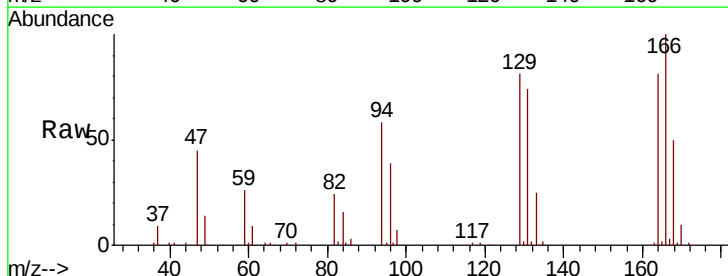


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

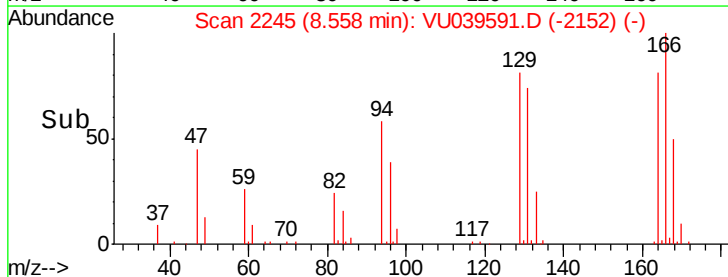
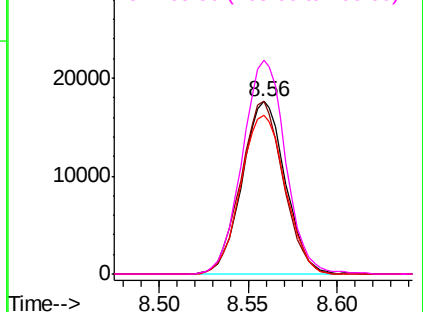


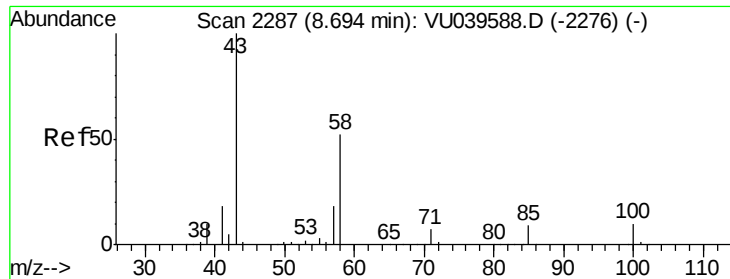
#47
 Tetrachloroethene
 Concen: 5.546 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

Tgt Ion:	164	Resp:	29689
Ion	Ratio	Lower	Upper
164	100		
129	100.3	67.9	126.1
131	91.9	64.7	120.1
166	123.7	85.1	158.1



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 50.487 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 43 Resp: 230740

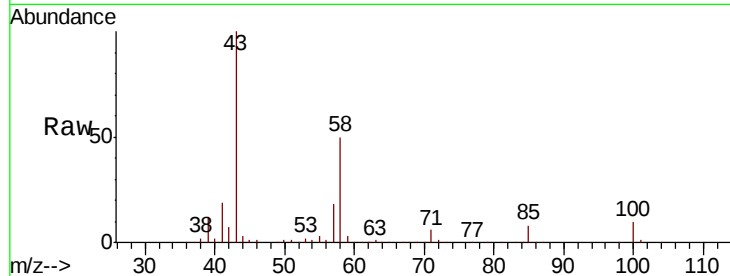
Ion Ratio Lower Upper

43 100

58 51.2 40.9 61.3

57 17.9 14.6 21.8

100 10.4 7.9 11.9

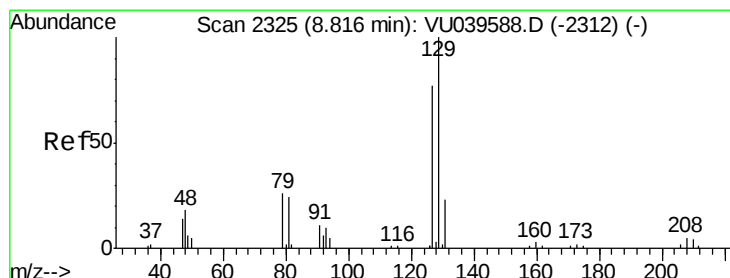
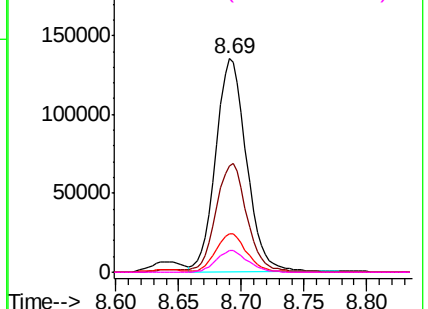
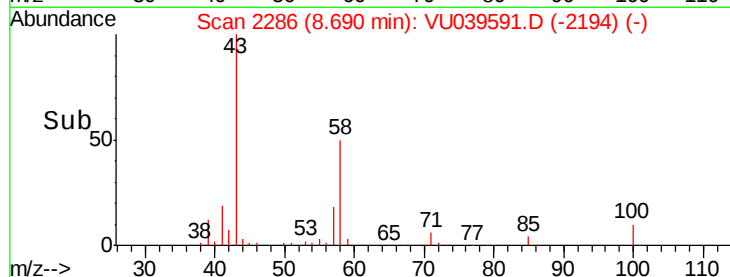


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 5.277 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU039591.D

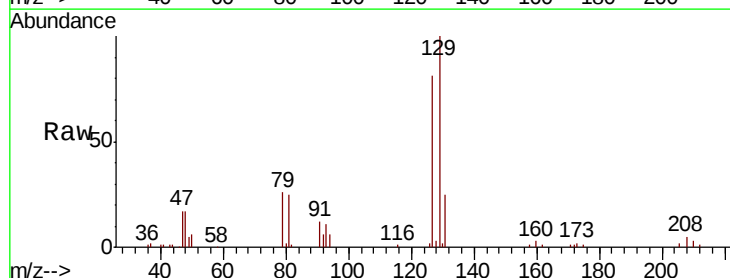
Acq: 21 Jul 2020 11:40

Tgt Ion: 129 Resp: 38526

Ion Ratio Lower Upper

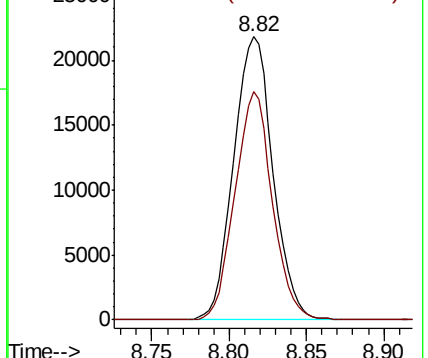
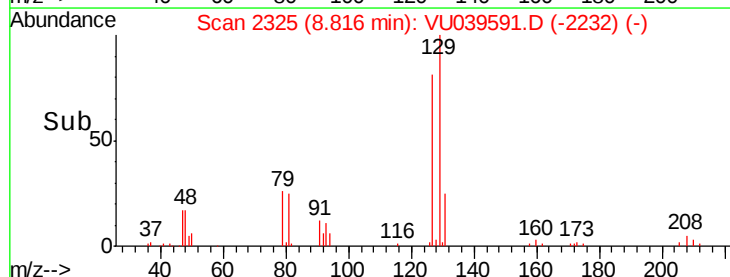
129 100

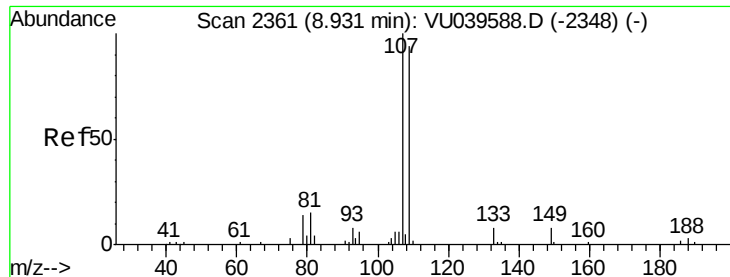
127 80.7 53.8 99.8



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

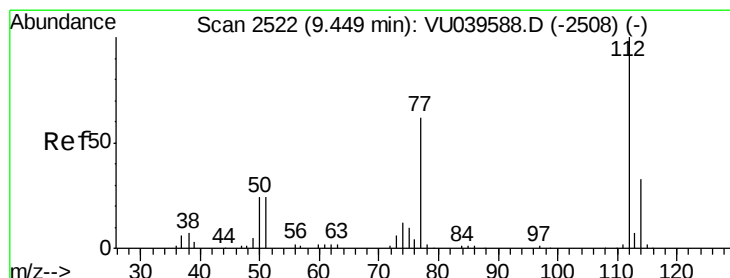
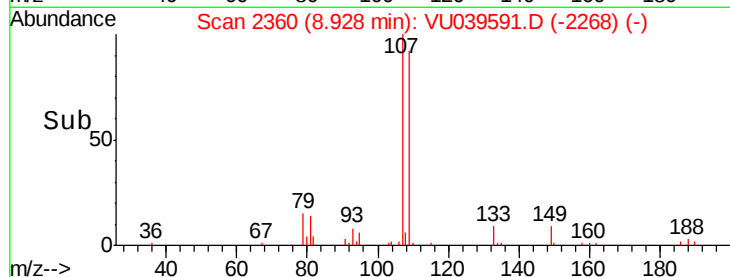
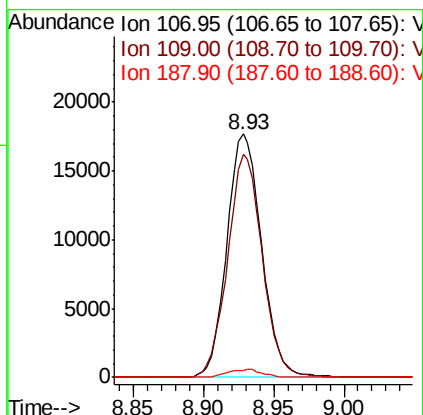
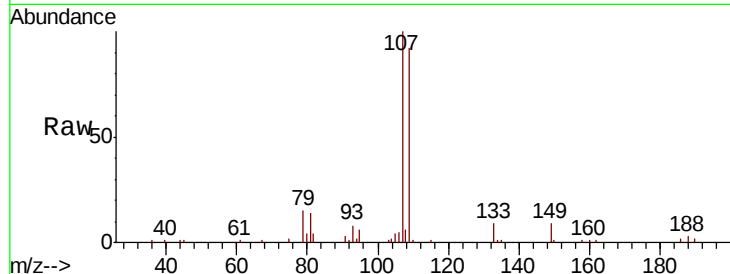




#50
 1,2-Dibromoethane
 Concen: 5.167 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

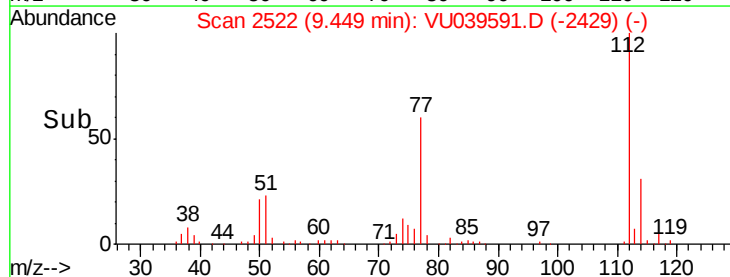
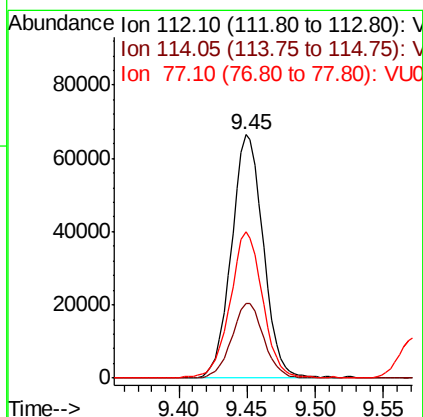
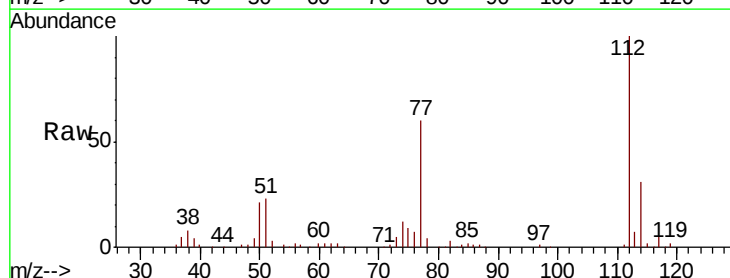
Instrument :
 MSVOA_U
 ClientSampleId :

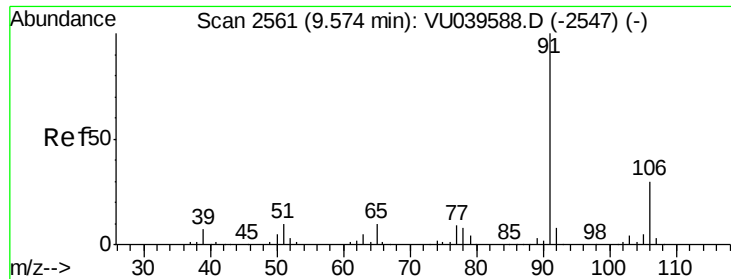
Tot Ion:107 Resp: 30402
 Ion Ratio Lower Upper
 107 100
 109 91.6 66.1 122.7
 188 3.1 2.4 3.6



#51
 Chlorobenzene
 Concen: 5.408 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

Tgt Ion:112 Resp: 107684
 Ion Ratio Lower Upper
 112 100
 114 30.8 22.9 42.5
 77 60.1 50.0 75.0





#52

Ethylbenzene

Concen: 5.291 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

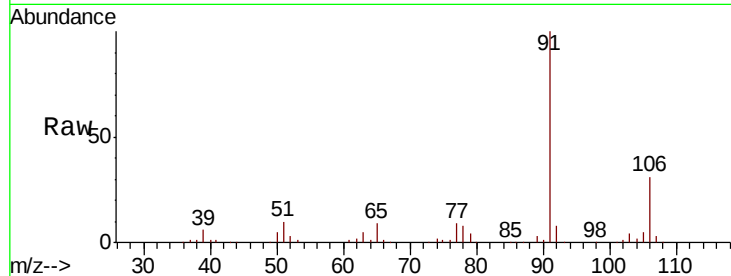
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 187271

Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039591.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU039591.D (-2547) (-)

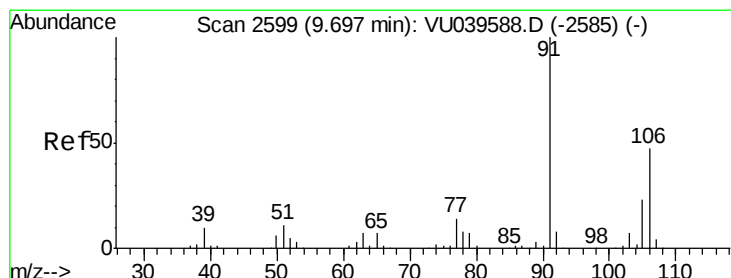
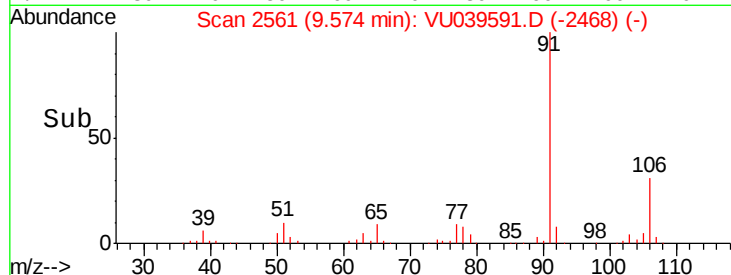
9.57

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 5.297 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039591.D

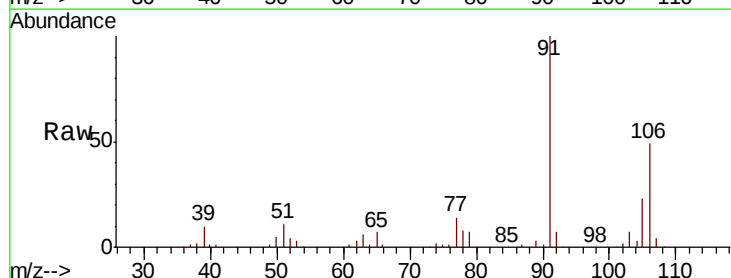
Acq: 21 Jul 2020 11:40

Tgt Ion: 106 Resp: 69955

Ion Ratio Lower Upper

106 100

91 205.0 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): VU039591.D (-2585) (-)

Ion 91.15 (90.85 to 91.85): VU039591.D (-2585) (-)

9.70

100000

80000

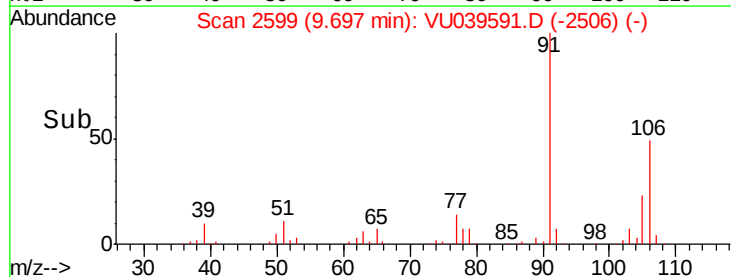
60000

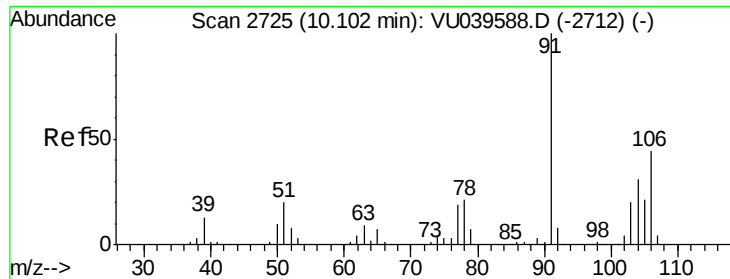
40000

20000

0

Time-->

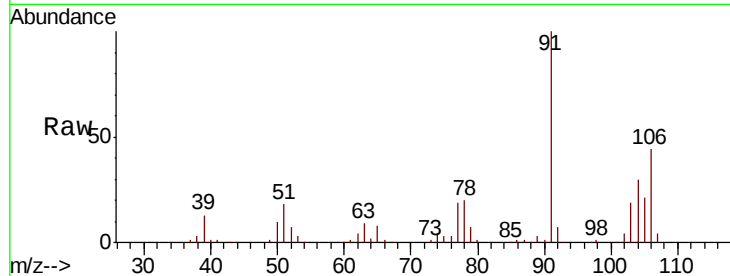




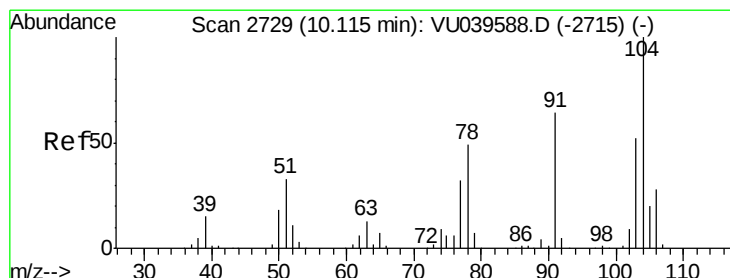
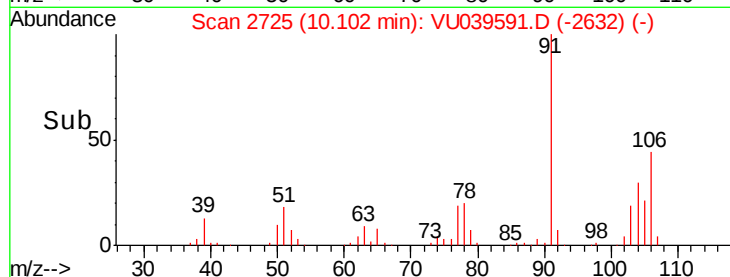
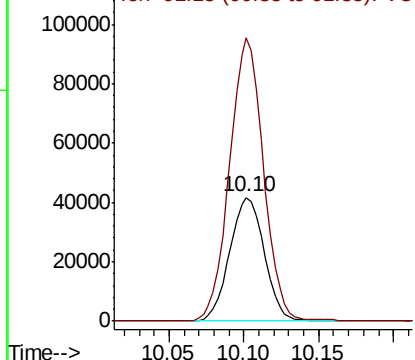
#54
o-Xylene
Concen: 5.197 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039591.D
Acq: 21 Jul 2020 11:40

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 67024
Ion Ratio Lower Upper
106 100
91 228.6 157.4 292.4

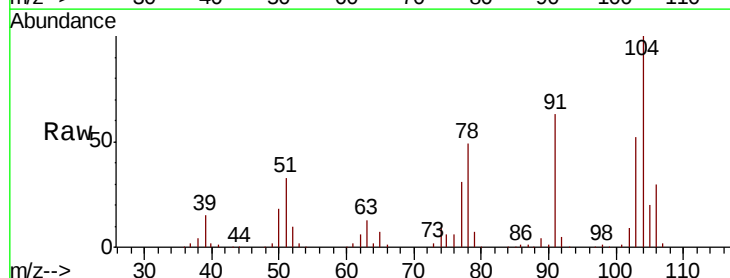


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

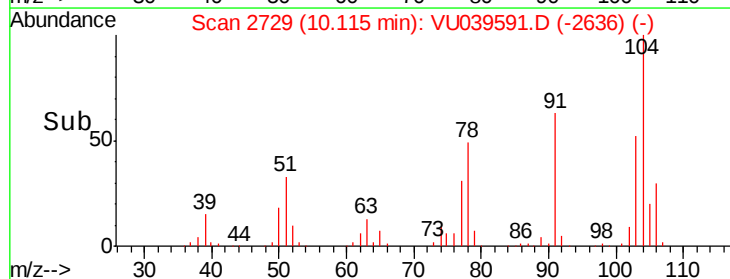
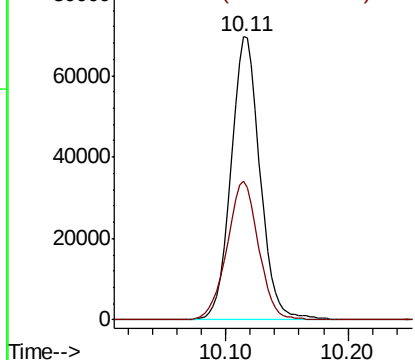


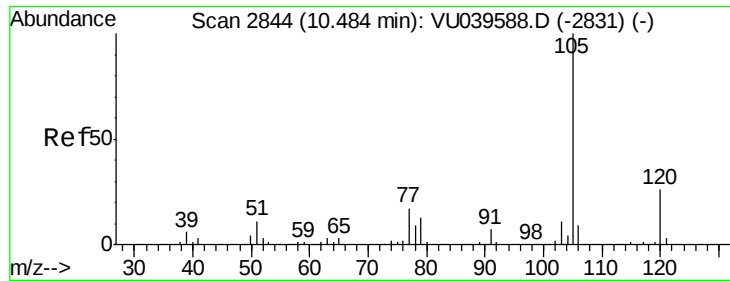
#55
Styrene
Concen: 5.320 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039591.D
Acq: 21 Jul 2020 11:40

Tgt Ion:104 Resp: 115225
Ion Ratio Lower Upper
104 100
78 49.2 34.4 64.0



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





#56

Isopropylbenzene

Concen: 5.317 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

Instrument :

MSVOA_U

ClientSampled :

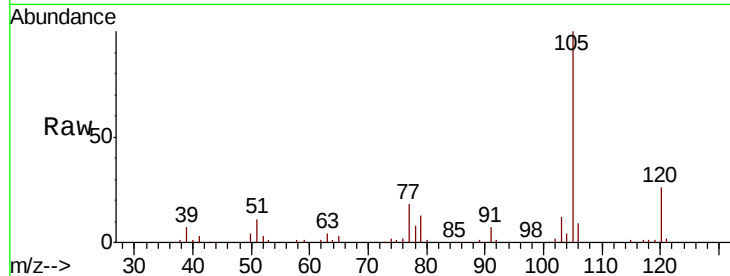
Tot Ion:105 Resp: 187186

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

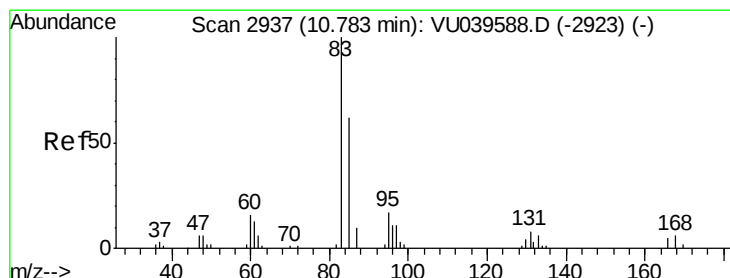
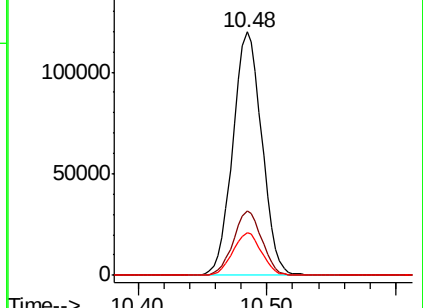
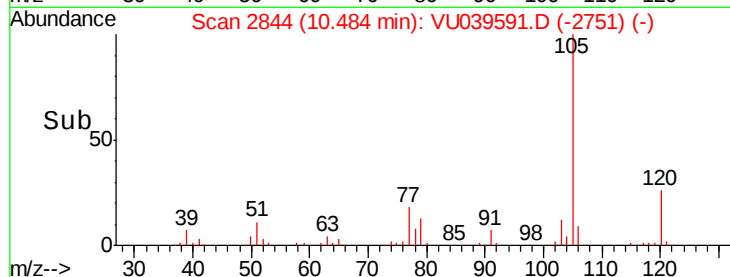
77 17.2 13.6 20.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.265 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

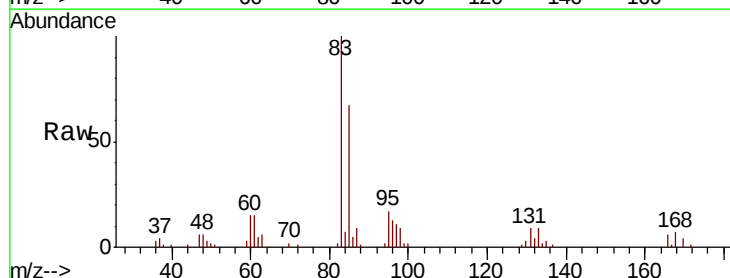
Tgt Ion: 83 Resp: 40879

Ion Ratio Lower Upper

83 100

85 66.8 43.5 80.9

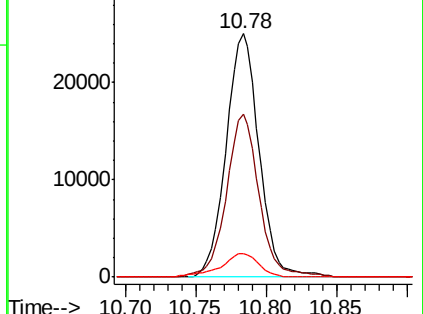
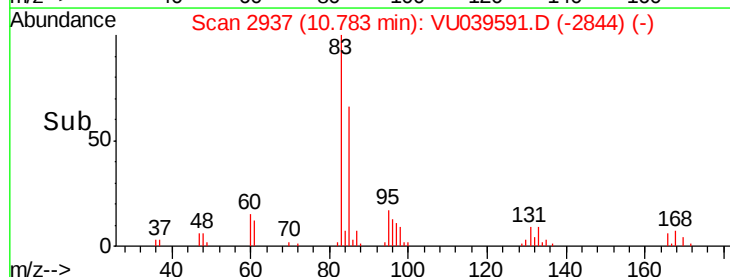
131 9.4 7.4 11.0

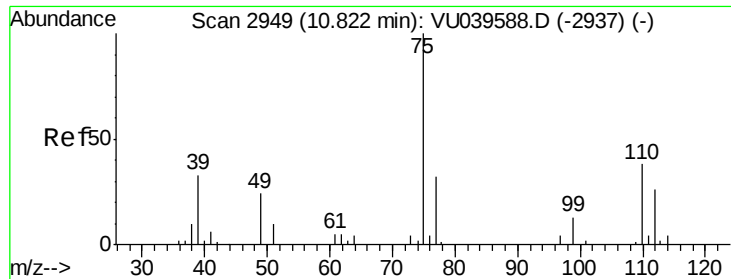


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.135 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

Instrument :

MSVOA_U

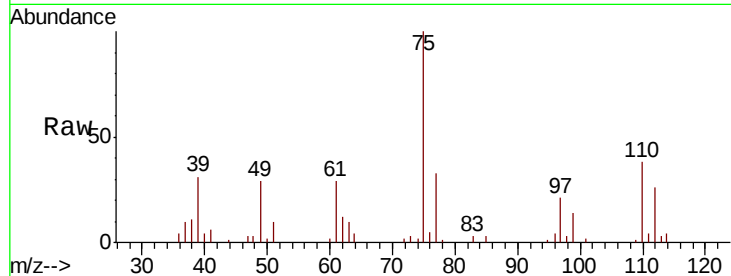
ClientSampleId :

Tot Ion: 75 Resp: 29796

Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU039588.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039588.D (-2937) (-)

10.82

20000

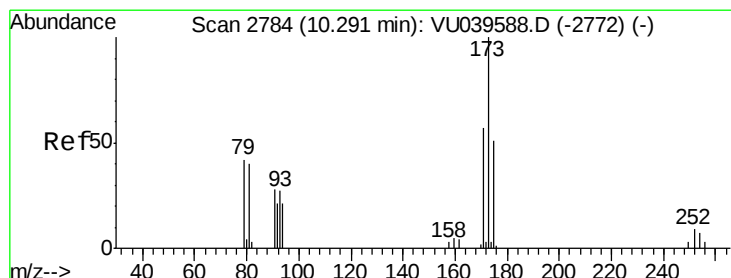
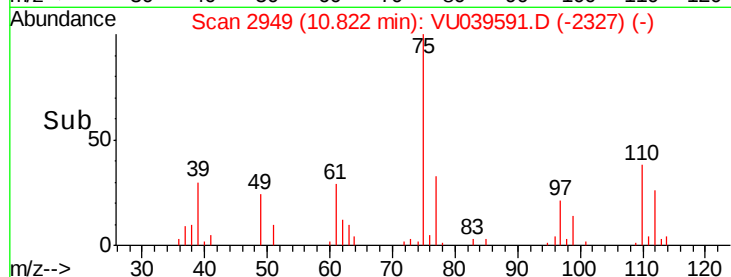
15000

10000

5000

0

Time-->



#61

Bromoform

Concen: 5.355 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

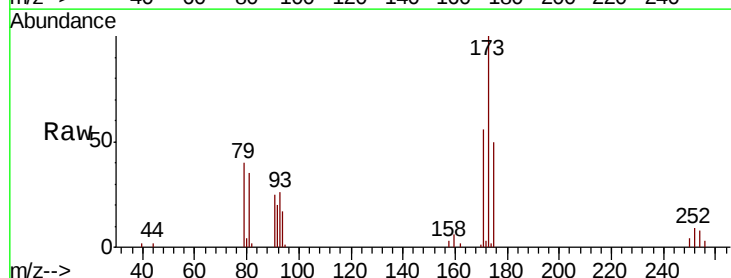
Tgt Ion: 173 Resp: 21930

Ion Ratio Lower Upper

173 100

175 49.0 39.9 59.9

254 7.8 6.5 9.7



Abundance Ion 172.90 (172.60 to 173.60): VU039588.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039588.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039588.D (-2772) (-)

10.29

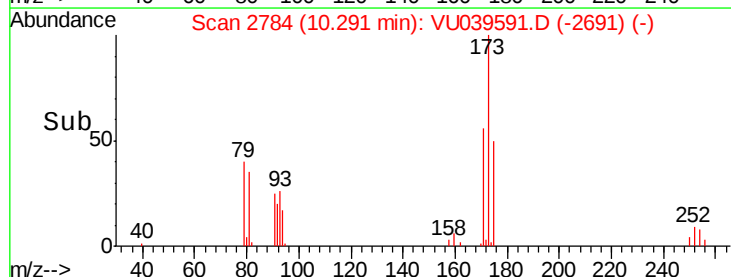
15000

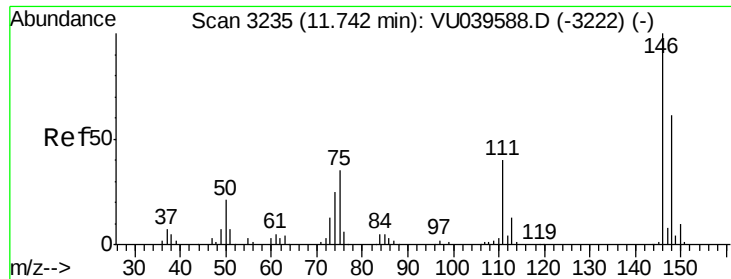
10000

5000

0

Time-->

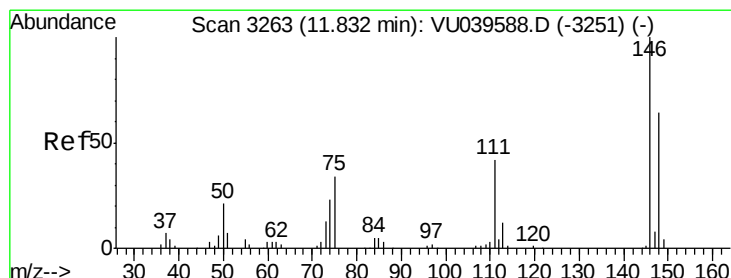
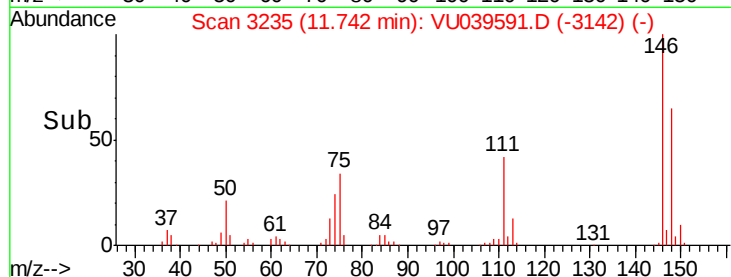
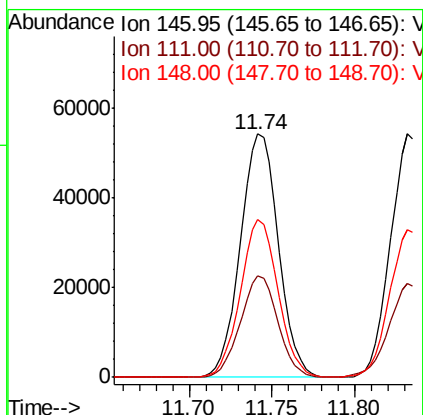
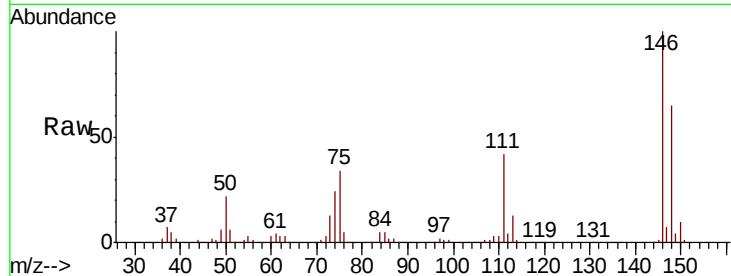




#62
 1,3-Dichlorobenzene
 Concen: 5.503 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

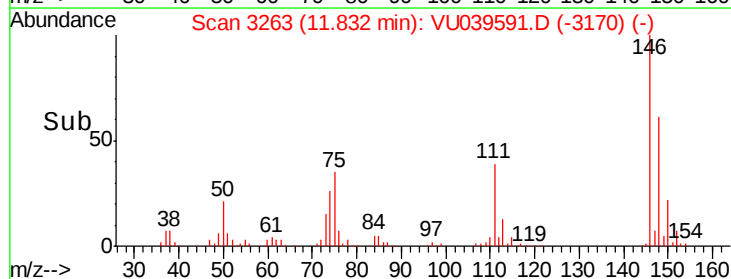
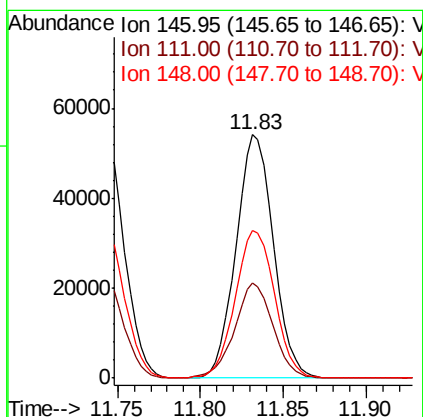
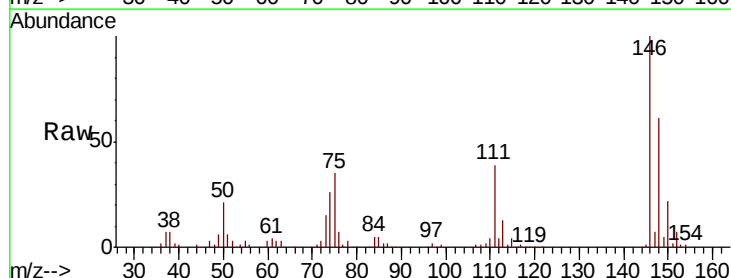
Instrument :
 MSVOA_U
 ClientSampleId :

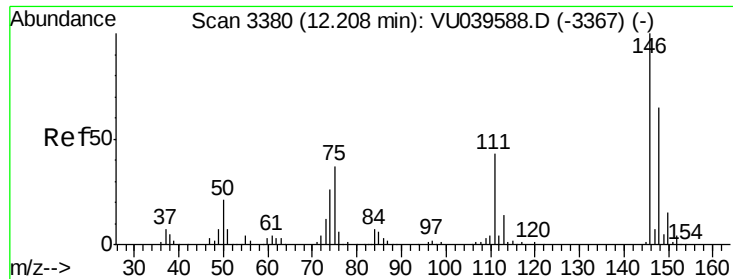
Tot Ion:146 Resp: 86474
 Ion Ratio Lower Upper
 146 100
 111 41.9 27.9 51.9
 148 64.7 43.0 80.0



#63
 1,4-Dichlorobenzene
 Concen: 5.354 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

Tgt Ion:146 Resp: 84692
 Ion Ratio Lower Upper
 146 100
 111 38.9 29.9 55.5
 148 60.7 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 5.459 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

Instrument :

MSVOA_U

ClientSampleId :

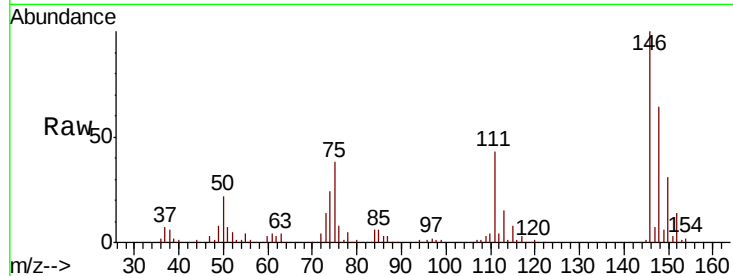
Tot Ion:146 Resp: 82844

Ion Ratio Lower Upper

146 100

111 43.0 34.3 51.5

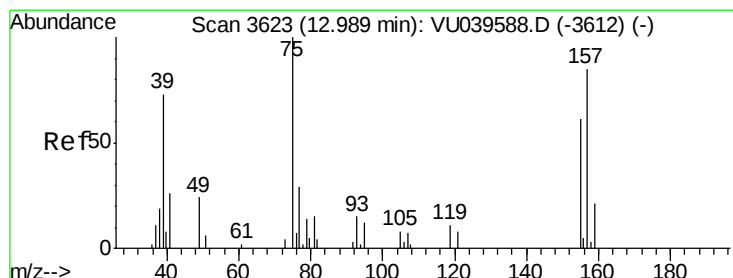
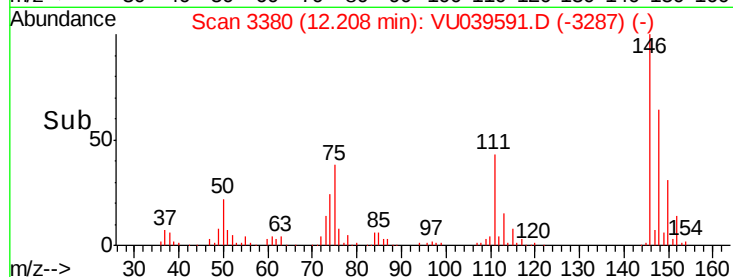
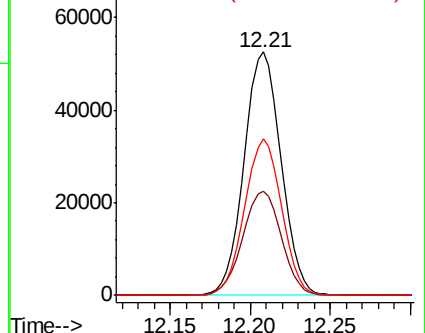
148 64.1 52.0 78.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 6.274 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

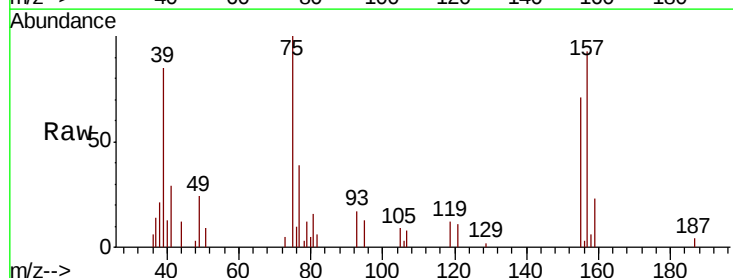
Tgt Ion: 75 Resp: 7280

Ion Ratio Lower Upper

75 100

155 71.2 48.4 72.6

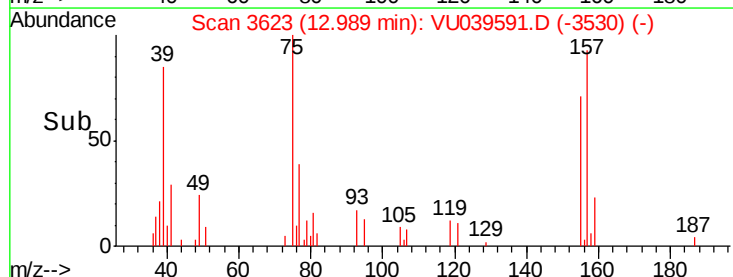
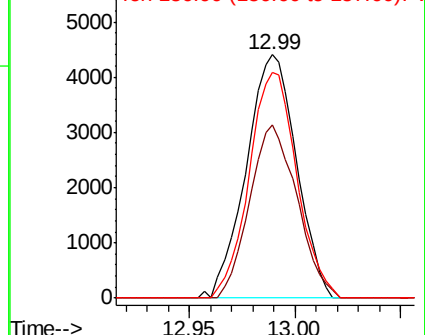
157 92.8 68.2 102.2

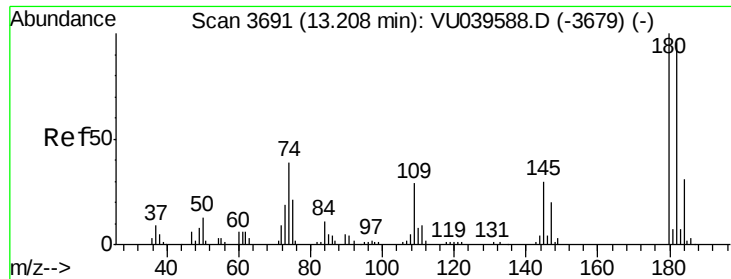


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

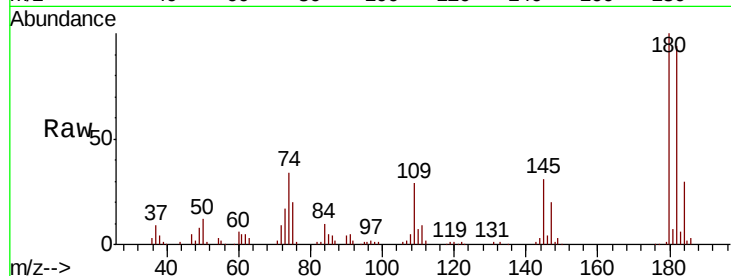




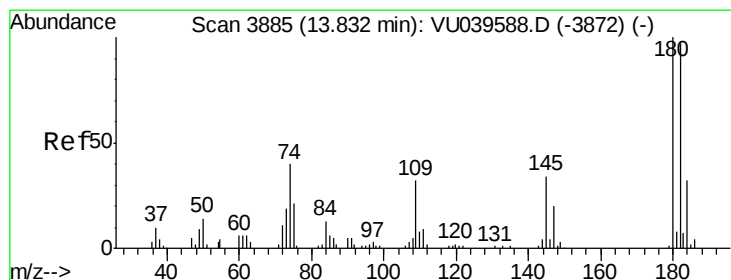
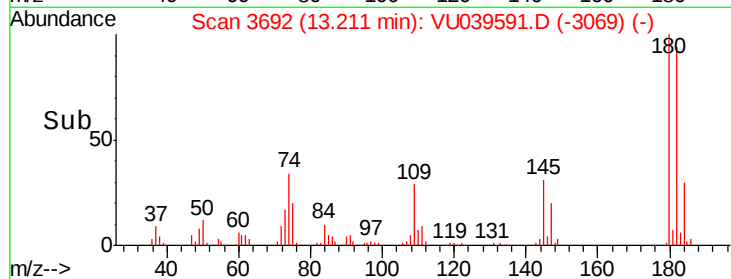
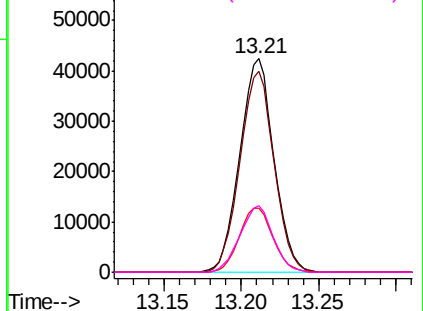
#67
 1,3,5-Trichlorobenzene
 Concen: 5.746 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 64986
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.5 114.7
 184 29.9 24.8 37.2
 145 30.2 23.8 35.8

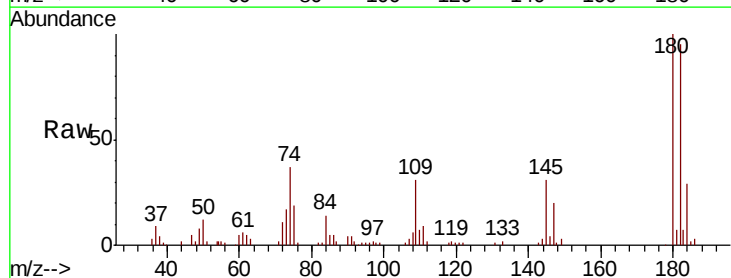


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

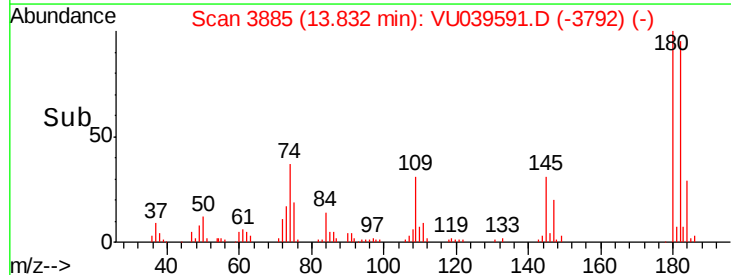
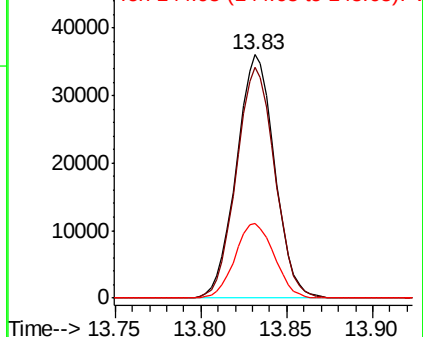


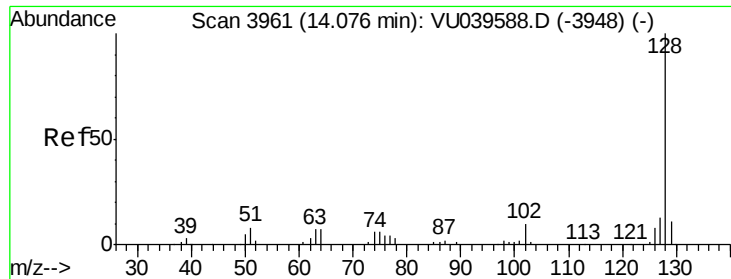
#68
 1,2,4-trichlorobenzene
 Concen: 5.983 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039591.D
 Acq: 21 Jul 2020 11:40

Tgt Ion:180 Resp: 55567
 Ion Ratio Lower Upper
 180 100
 182 95.2 78.8 118.2
 145 31.4 26.7 40.1



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: 6.447 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

Instrument :

MSVOA_U

ClientSampleId :

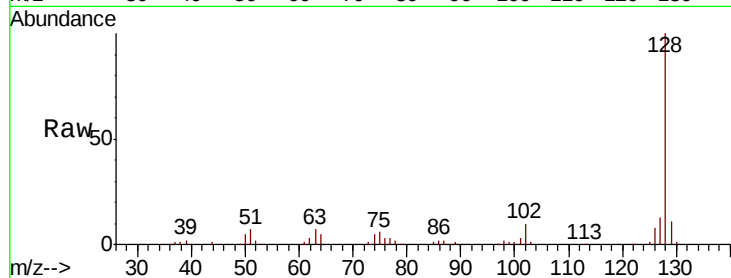
Tot Ion:128 Resp: 101401

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

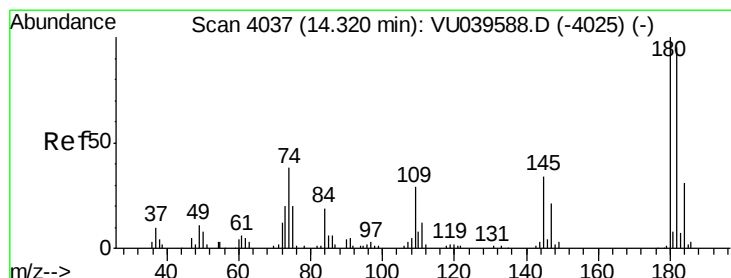
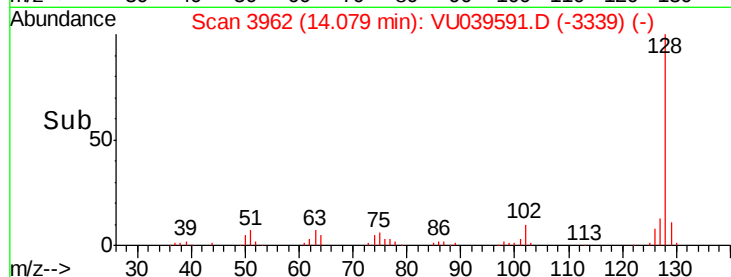
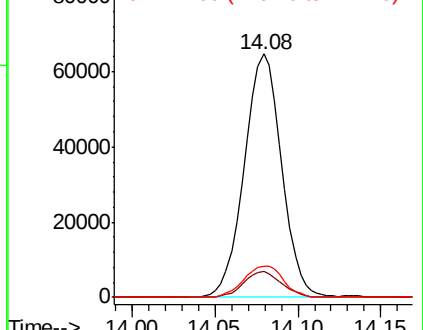
127 13.7 10.6 16.0



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: 5.944 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039591.D

Acq: 21 Jul 2020 11:40

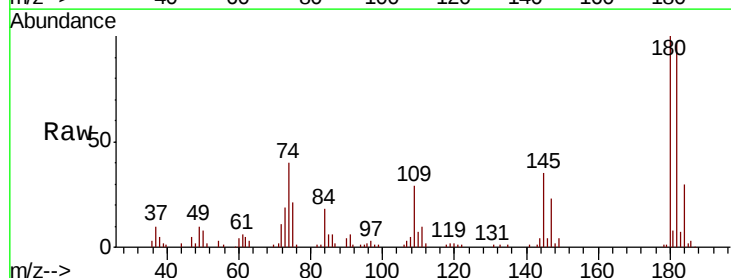
Tgt Ion:180 Resp: 49048

Ion Ratio Lower Upper

180 100

182 96.8 78.0 117.0

145 33.6 28.4 42.6



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

