

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072120\
 Data File : VU039592.D
 Acq On : 21 Jul 2020 12:03
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 22 01:56:05 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	114655	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113357	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55085	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	27942	5.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.00%
7) Chloroethane-d5	1.93	69	27867	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.58	63	60680	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.40%
20) 2-Butanone-d5	4.66	46	123264	51.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.70%
24) Chloroform-d	5.08	84	70386	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.72	65	44977	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.75	84	133101	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.70	67	45083	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.91	98	127293	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	8.19	79	19363	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.64	63	97710	51.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.48%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	40953	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	49634	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	29825	5.318	ug/L	98
3) Chloromethane	1.53	50	33337	5.475	ug/L	100
5) Vinyl chloride	1.61	62	34884	5.340	ug/L	98
6) Bromomethane	1.87	94	22820	5.418	ug/L	93
8) Chloroethane	1.94	64	27290	5.053	ug/L	93
9) Trichlorofluoromethane	2.15	101	67341	4.880	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	29788	5.001	ug/L	96
12) 1,1-Dichloroethene	2.59	96	28105	5.183	ug/L	91
13) Acetone	2.66	43	64961	48.628	ug/L	98
14) Carbon disulfide	2.81	76	85223	5.225	ug/L	99
15) Methyl Acetate	2.97	43	17377	5.325	ug/L	95
16) Methylene chloride	3.06	84	37088	4.734	ug/L	100
17) Methyl tert-butyl Ether	3.38	73	88925	5.160	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	31956	5.308	ug/L	95
19) 1,1-Dichloroethane	3.89	63	64652	5.236	ug/L	99
21) 2-Butanone	4.74	43	121915	52.684	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	37577	5.358	ug/L	99

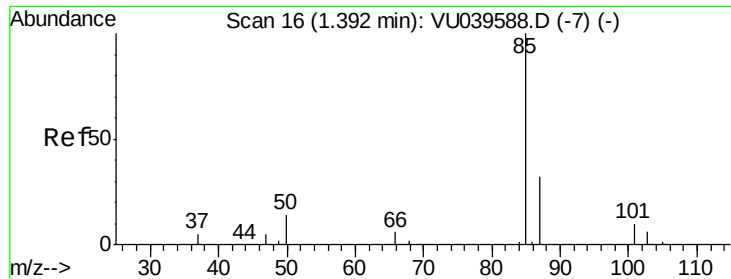
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072120\
 Data File : VU039592.D
 Acq On : 21 Jul 2020 12:03
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 Sample : VSTDCCC005
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 22 01:56:05 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)
23) Bromochloromethane	4.99	128	17099	5.250	ug/L	96
25) Chloroform	5.11	83	72303	5.136	ug/L	99
27) 1,2-Dichloroethane	5.81	62	50769	5.303	ug/L	100
29) 1,1,1-Trichloroethane	5.34	97	61600	5.143	ug/L	97
30) Cyclohexane	5.41	56	51619	4.893	ug/L	98
31) Carbon tetrachloride	5.54	117	50426	4.921	ug/L	98
33) Benzene	5.79	78	141730	5.203	ug/L	100
34) Trichloroethene	6.56	95	38317	5.108	ug/L	96
35) Methylcyclohexane	6.78	83	53257	4.833	ug/L	97
37) 1,2-Dichloropropane	6.81	63	38083	5.023	ug/L	100
38) Bromodichloromethane	7.12	83	51597	5.172	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	56578	5.196	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	302446	51.108	ug/L	100
42) Toluene	7.98	91	156579	5.251	ug/L	96
44) trans-1,3-Dichloropropene	8.22	75	50840	5.112	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	29729	5.165	ug/L	93
47) Tetrachloroethene	8.56	164	25701	5.009	ug/L	93
48) 2-Hexanone	8.69	43	226546	51.719	ug/L	98
49) Dibromochloromethane	8.82	129	35478	5.070	ug/L	100
50) 1,2-Dibromoethane	8.93	107	30167	5.349	ug/L	92
51) Chlorobenzene	9.45	112	99345	5.206	ug/L	99
52) Ethylbenzene	9.57	91	175340	5.169	ug/L	98
53) m,p-Xylene	9.70	106	64136	5.067	ug/L	96
54) o-Xylene	10.10	106	63049	5.101	ug/L	97
55) Styrene	10.11	104	109907	5.295	ug/L	97
56) Isopropylbenzene	10.48	105	170618	5.056	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	39459	5.302	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	28792	5.178	ug/L	98
61) Bromoform	10.29	173	20287	5.201	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	77738	5.194	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	77927	5.172	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	76070	5.262	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	6686	6.049	ug/L	89
67) 1,3,5-Trichlorobenzene	13.21	180	57727	5.359	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	49228	5.565	ug/L	96
69) Naphthalene	14.08	128	90934	6.070	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	44762	5.695	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.318 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

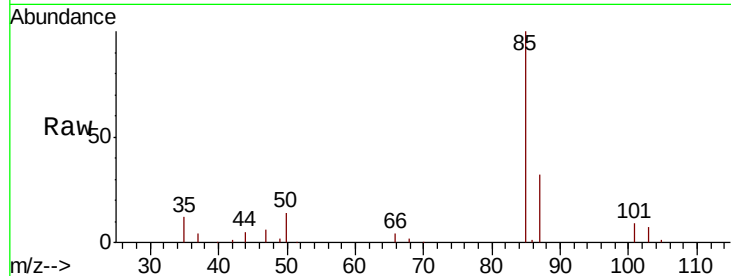
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 29825

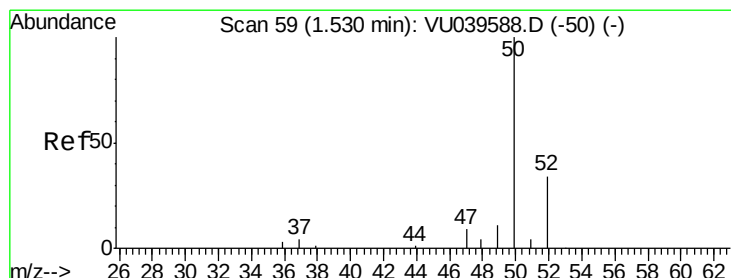
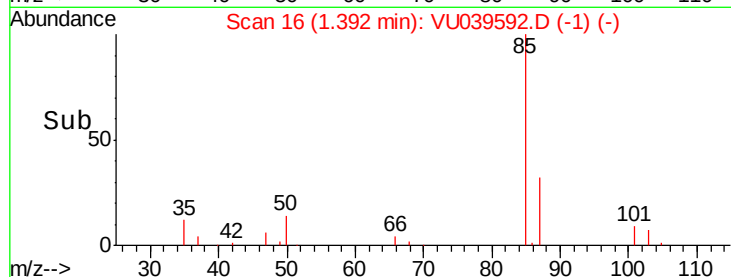
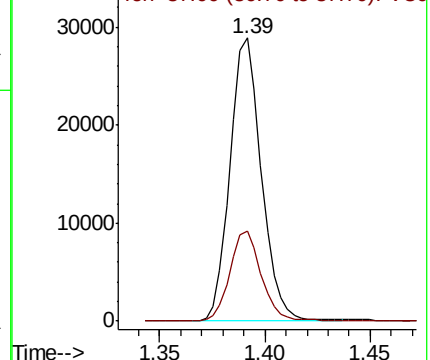
Ion Ratio Lower Upper

85 100

87 31.6 24.5 36.7



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



#3

Chloromethane

Concen: 5.475 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039592.D

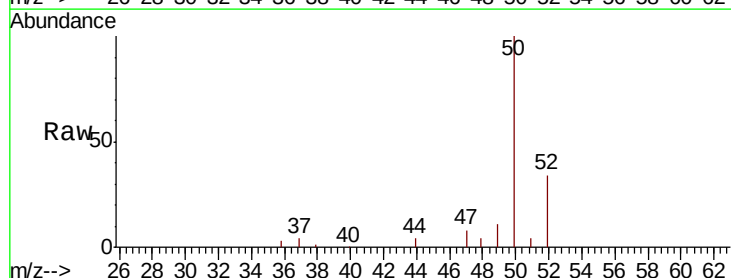
Acq: 21 Jul 2020 12:03

Tgt Ion: 50 Resp: 33337

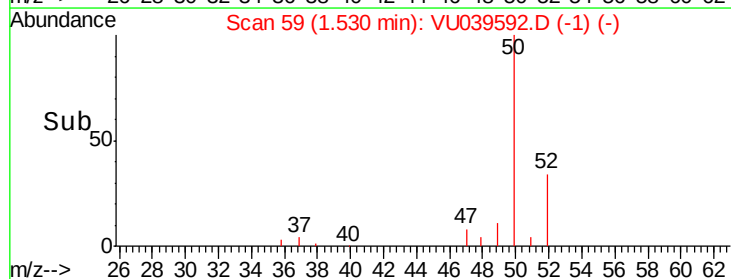
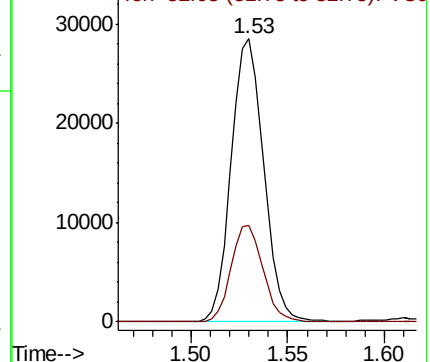
Ion Ratio Lower Upper

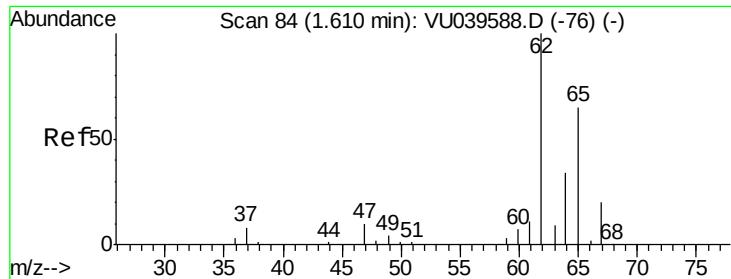
50 100

52 34.1 23.9 44.5



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





#5

Vinyl chloride

Concen: 5.340 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_U

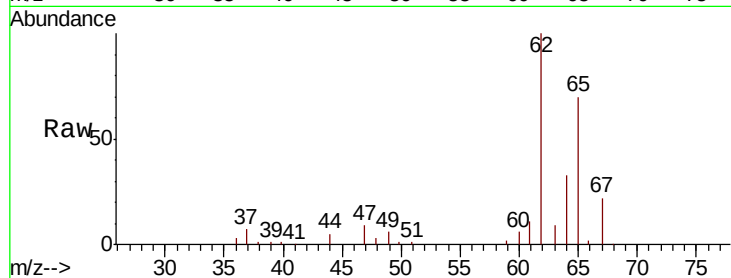
ClientSampleId :

Tot Ion: 62 Resp: 34884

Ion Ratio Lower Upper

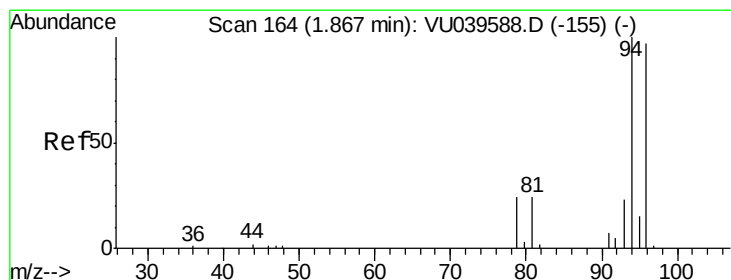
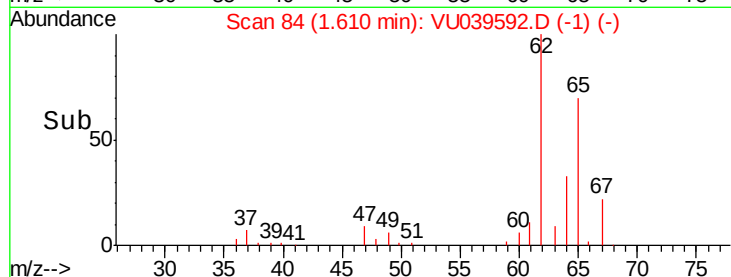
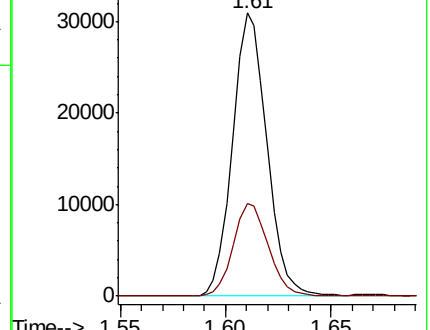
62 100

64 32.6 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: 5.418 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039592.D

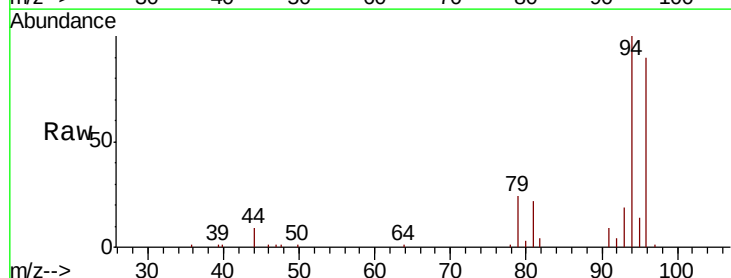
Acq: 21 Jul 2020 12:03

Tgt Ion: 94 Resp: 22820

Ion Ratio Lower Upper

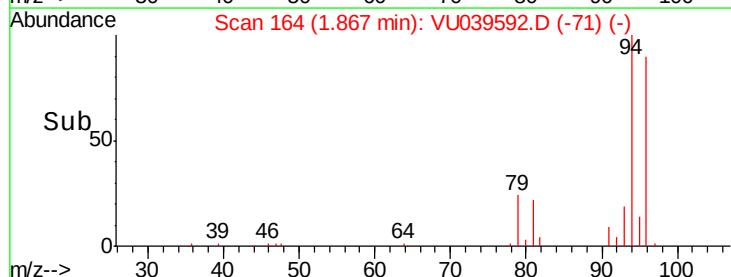
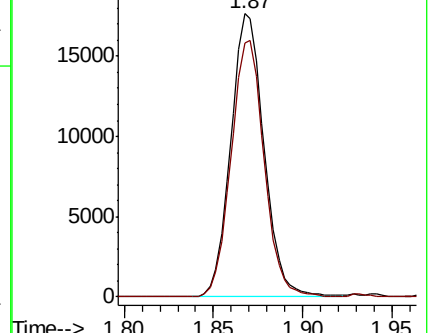
94 100

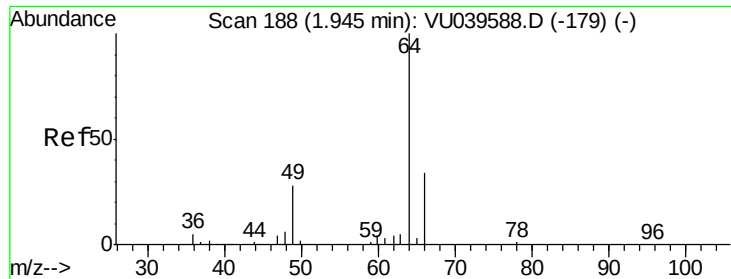
96 89.9 68.0 126.2



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

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

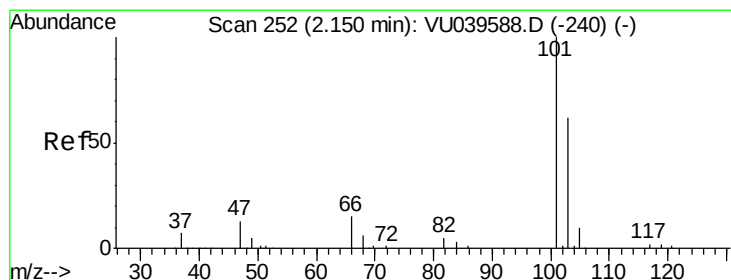
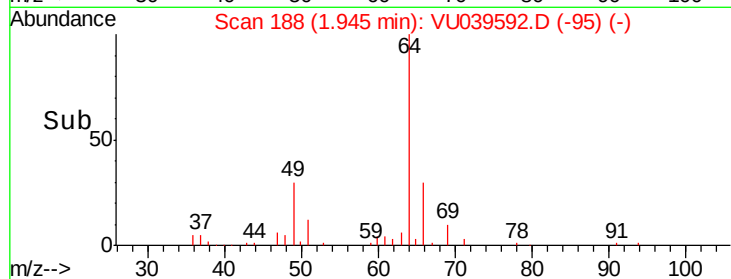
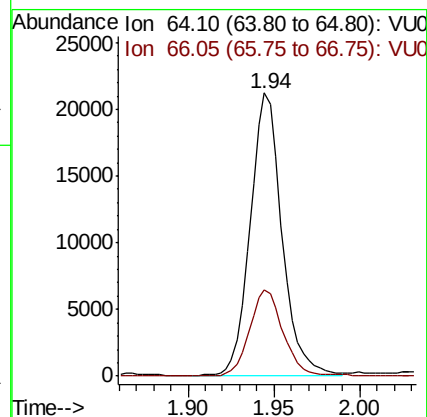
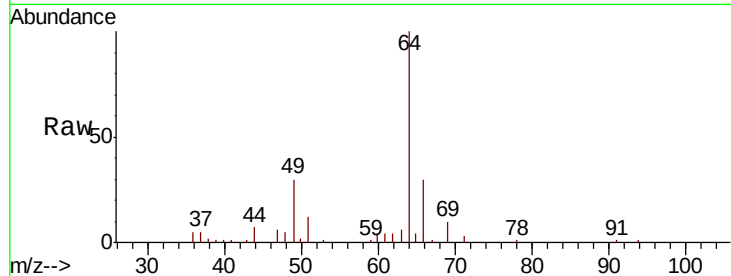




#8
 Chloroethane
 Concen: 5.053 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VU039592.D
 Acq: 21 Jul 2020 12:03

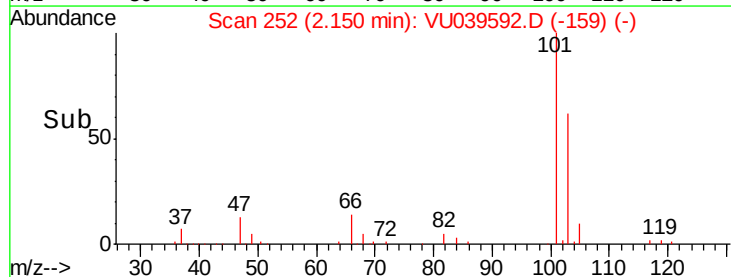
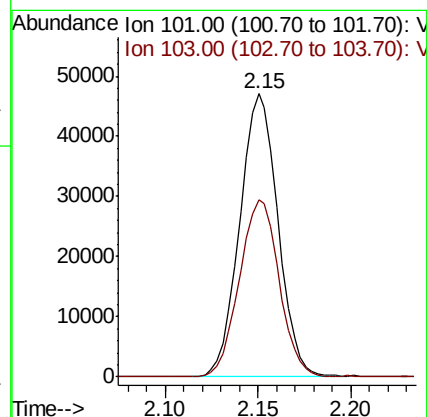
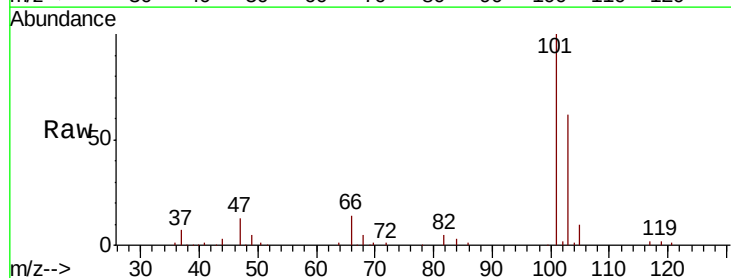
Instrument :
 MSVOA_U
 ClientSampleId :

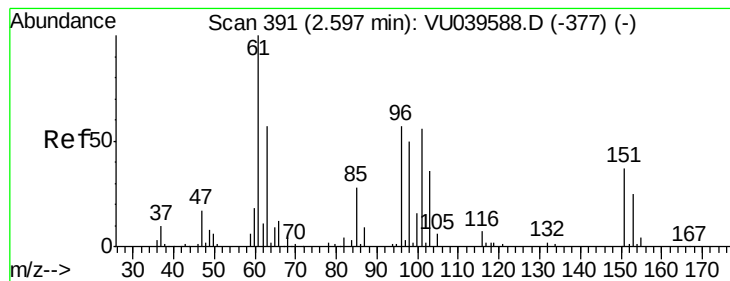
Tot Ion: 64 Resp: 27290
 Ion Ratio Lower Upper
 64 100
 66 30.4 24.0 44.6



#9
 Trichlorofluoromethane
 Concen: 4.880 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VU039592.D
 Acq: 21 Jul 2020 12:03

Tgt Ion:101 Resp: 67341
 Ion Ratio Lower Upper
 101 100
 103 65.0 50.6 75.8





#10

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

Concen: 5.001 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_U

ClientSampleId :

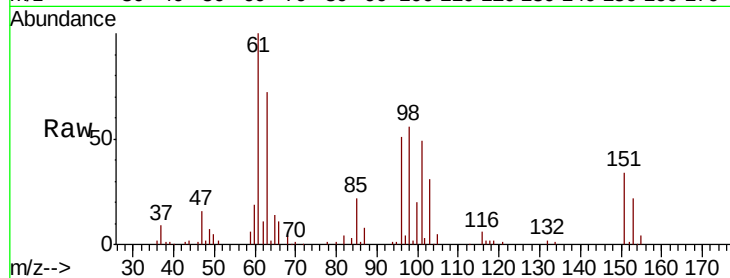
Tot Ion:101 Resp: 29788

Ion Ratio Lower Upper

101 100

85 45.7 38.7 58.1

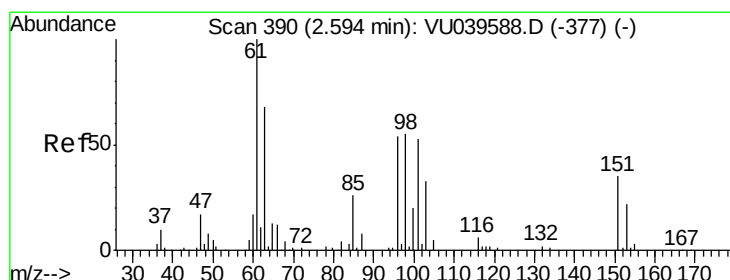
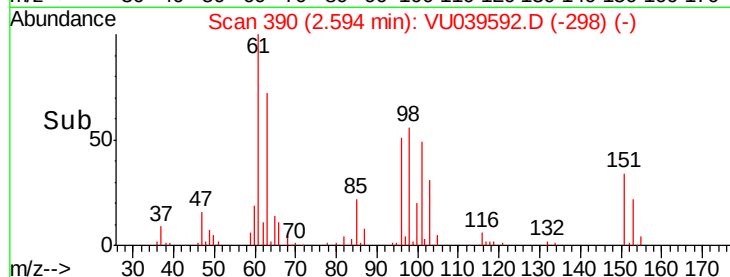
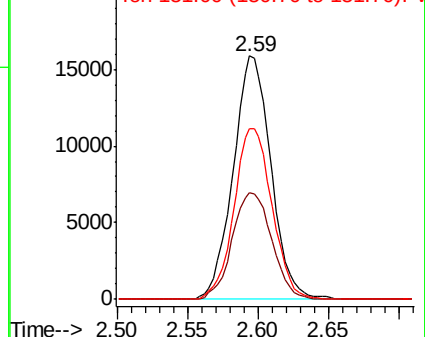
151 70.7 53.4 80.2



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: 5.183 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

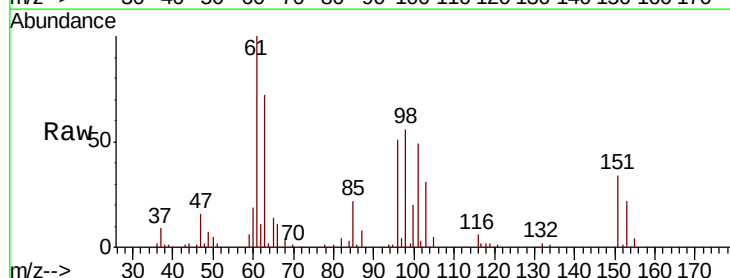
Tgt Ion: 96 Resp: 28105

Ion Ratio Lower Upper

96 100

61 196.0 129.1 239.7

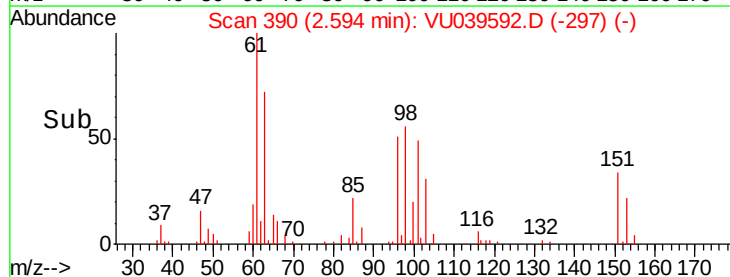
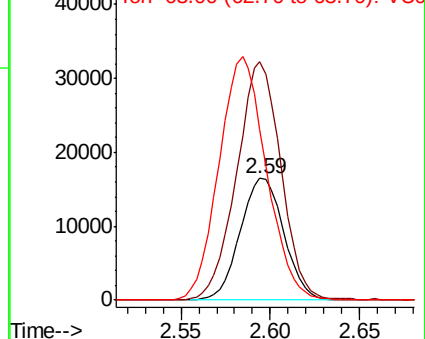
63 140.3 89.7 166.7

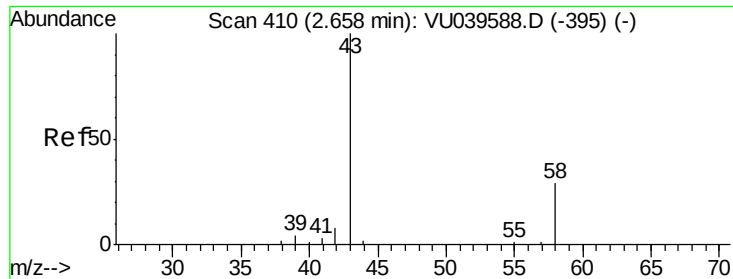


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.628 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_U

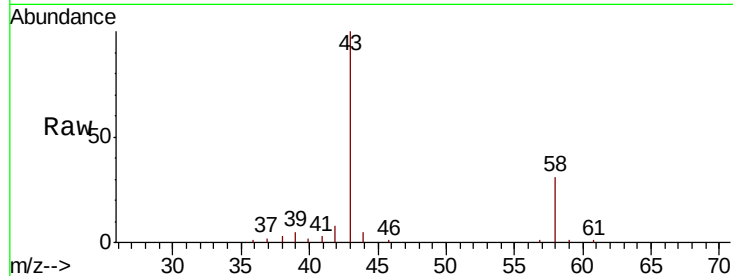
ClientSampleId :

Tot Ion: 43 Resp: 64961

Ion Ratio Lower Upper

43 100

58 30.8 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

20000

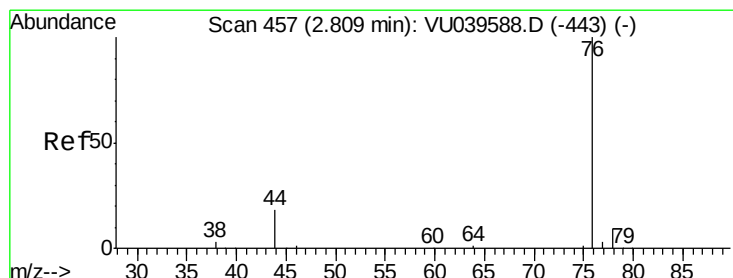
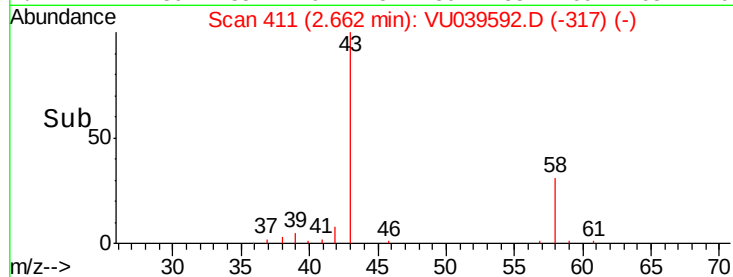
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 5.225 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU039592.D

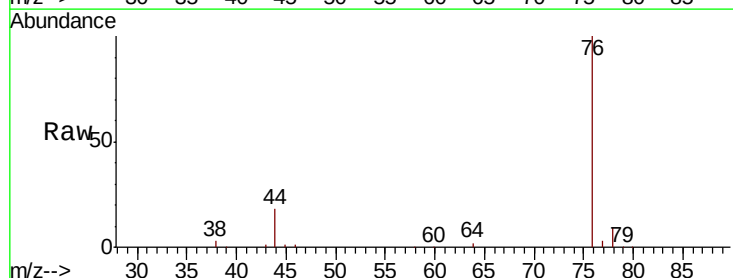
Acq: 21 Jul 2020 12:03

Tgt Ion: 76 Resp: 85223

Ion Ratio Lower Upper

76 100

78 9.5 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

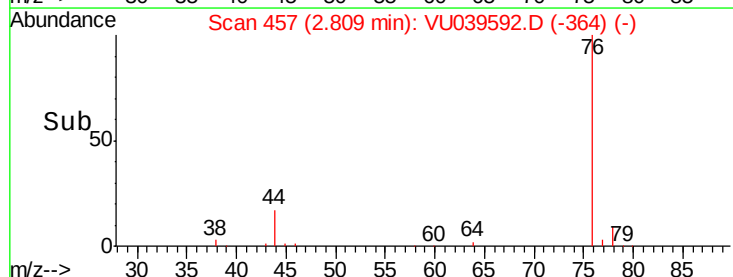
30000

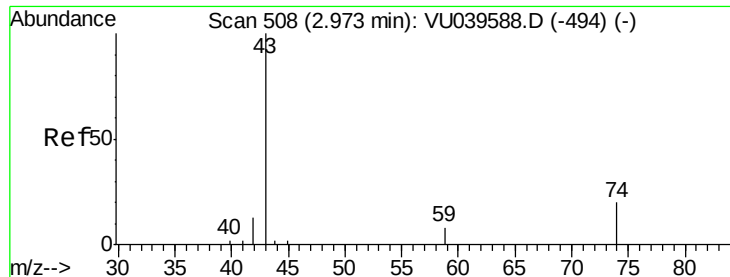
20000

10000

0

Time-->





#15

Methvl Acetate

Concen: 5.325 ug/L

RT: 2.97 min Scan# 507

Delta R.T. -0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_U

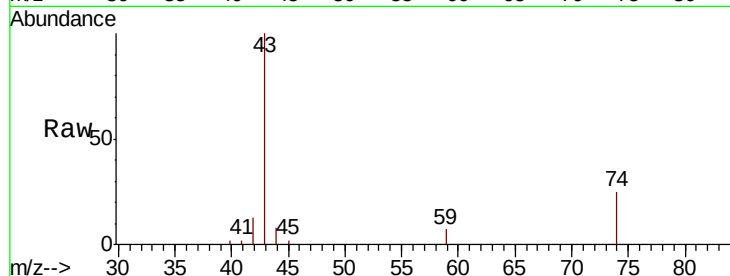
ClientSampleId :

Tot Ion: 43 Resp: 17377

Ion Ratio Lower Upper

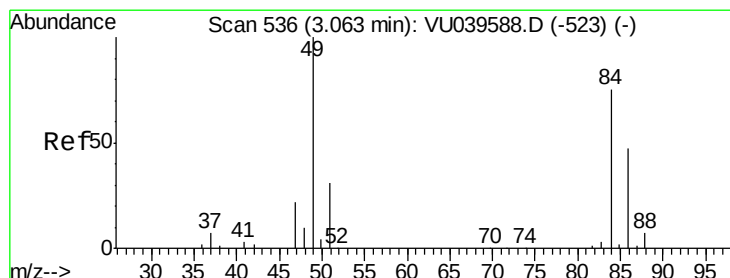
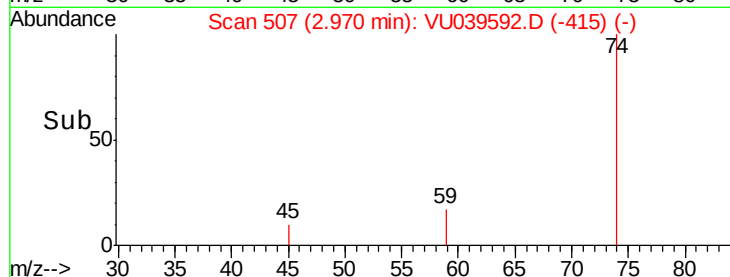
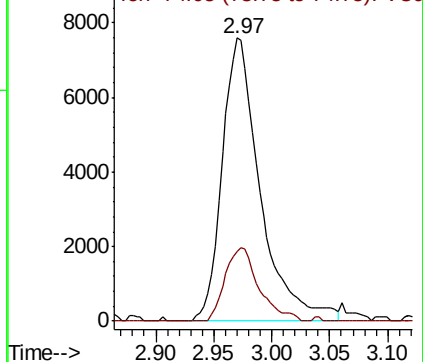
43 100

74 23.0 16.6 24.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.734 ug/L

RT: 3.06 min Scan# 536

Delta R.T. -0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

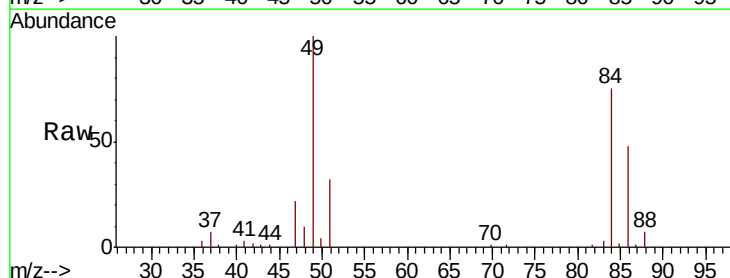
Tgt Ion: 84 Resp: 37088

Ion Ratio Lower Upper

84 100

86 63.3 43.8 81.4

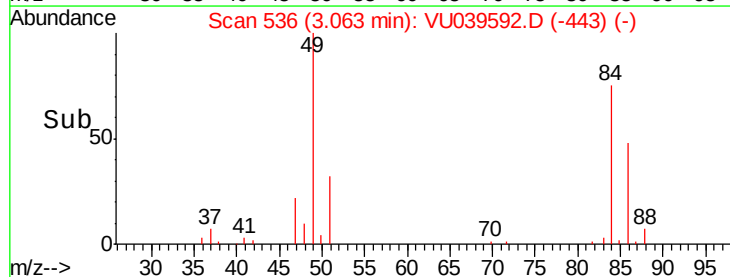
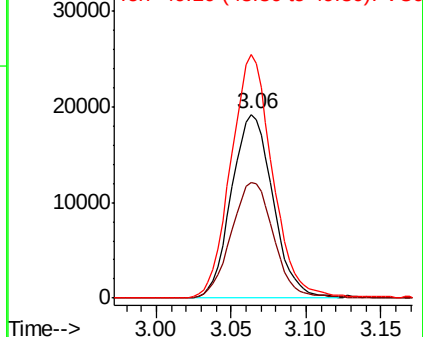
49 132.7 92.7 172.3

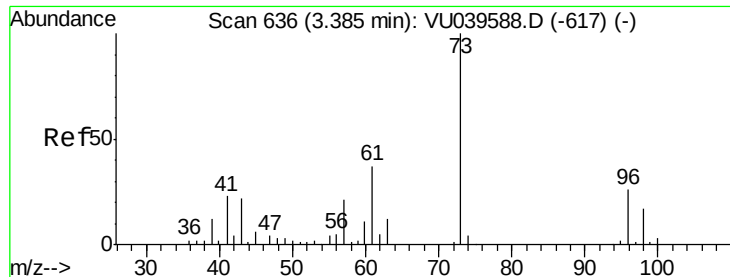


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

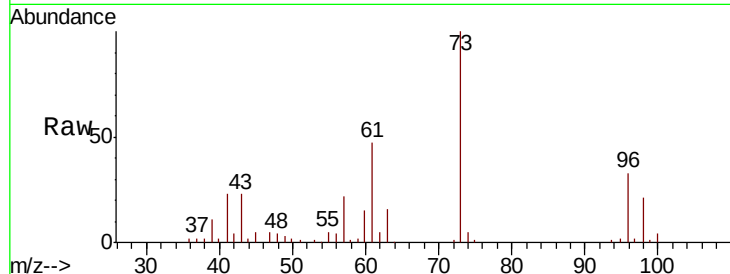




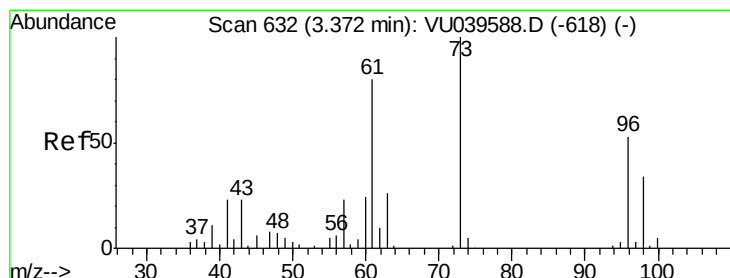
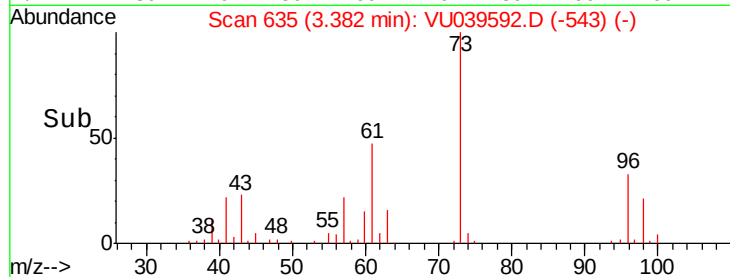
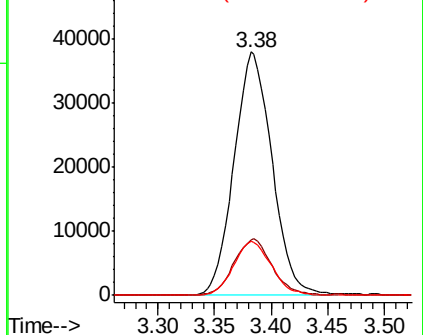
#17
Methyl tert-butyl Ether
Concen: 5.160 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039592.D
Acq: 21 Jul 2020 12:03

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 88925
Ion Ratio Lower Upper
73 100
43 23.3 18.2 27.4
57 22.0 17.9 26.9

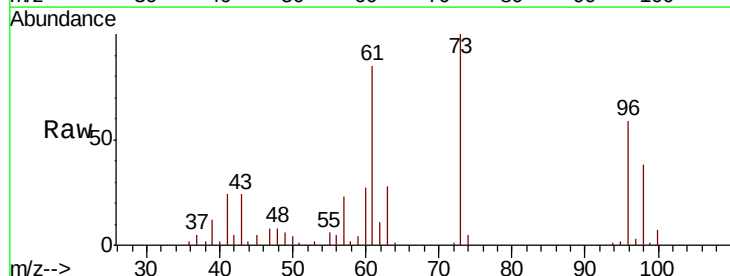


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

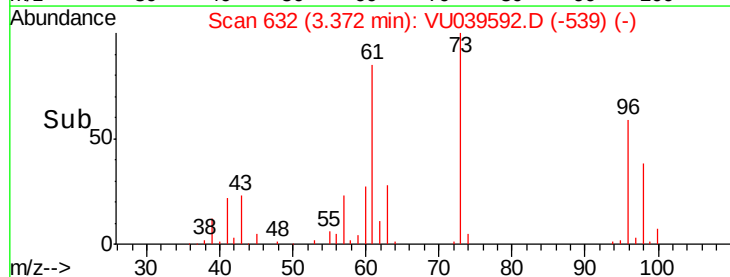
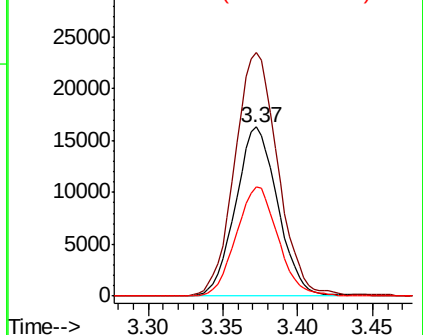


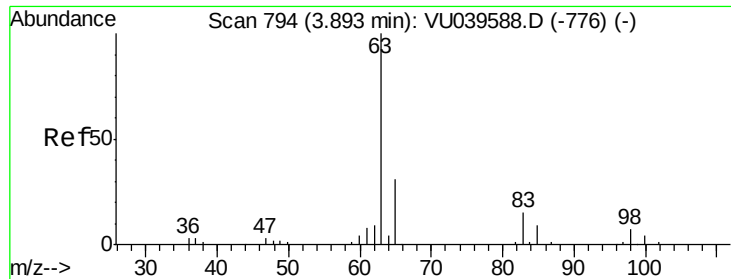
#18
trans-1,2-Dichloroethene
Concen: 5.308 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU039592.D
Acq: 21 Jul 2020 12:03

Tgt Ion: 96 Resp: 31956
Ion Ratio Lower Upper
96 100
61 143.8 106.5 197.9
98 64.5 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

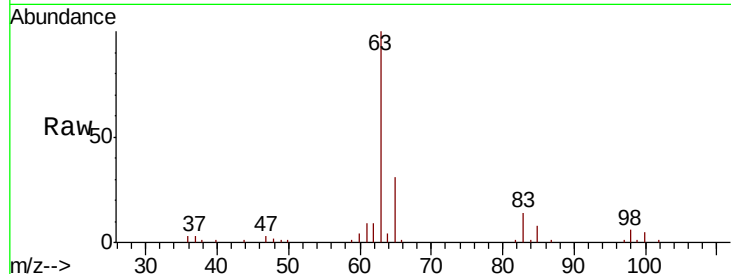




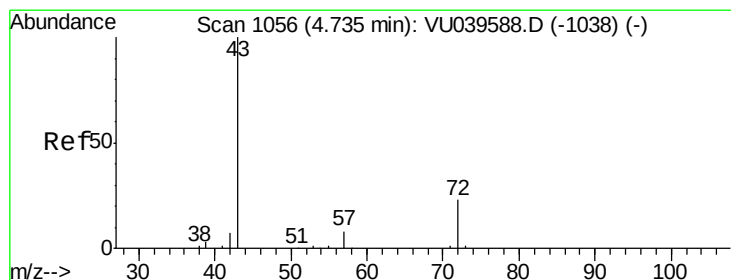
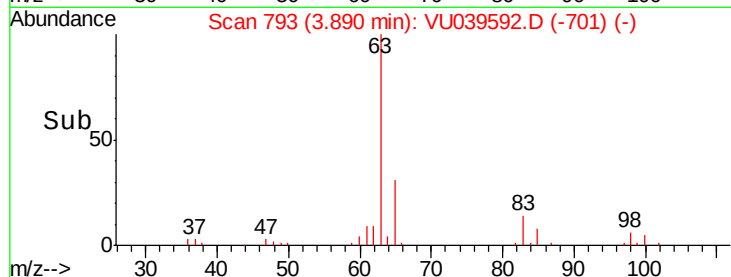
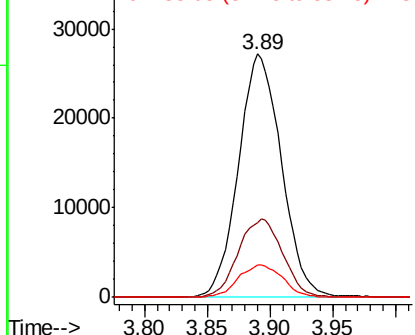
#19
 1,1-Dichloroethane
 Concen: 5.236 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU039592.D
 Acq: 21 Jul 2020 12:03

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 64652
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.8 40.4
 83 13.6 10.2 19.0

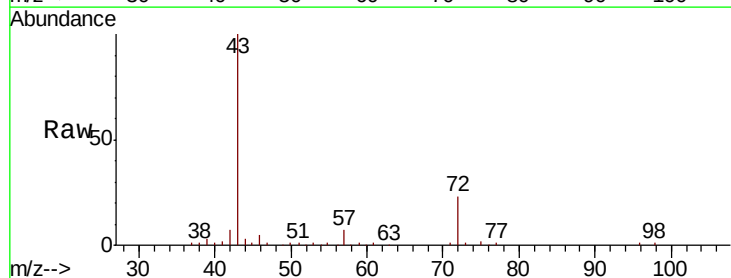


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

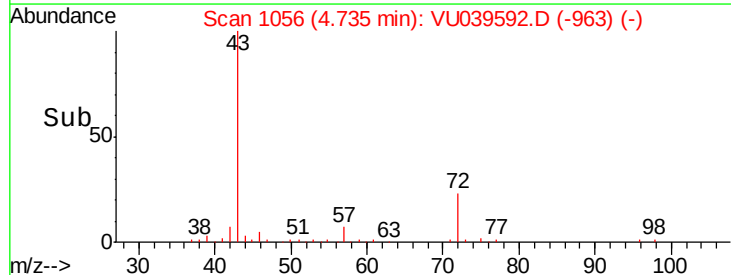
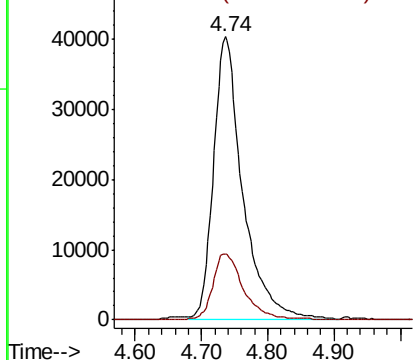


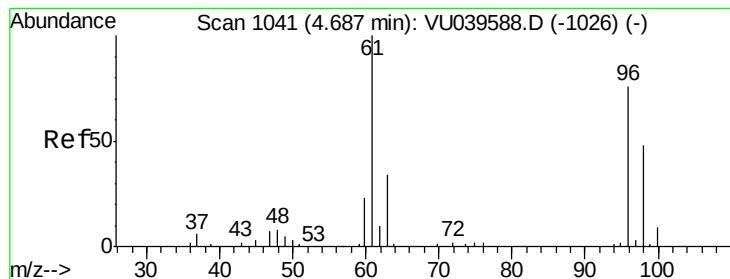
#21
 2-Butanone
 Concen: 52.684 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VU039592.D
 Acq: 21 Jul 2020 12:03

Tgt Ion: 43 Resp: 121915
 Ion Ratio Lower Upper
 43 100
 72 24.8 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: 5.358 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_U

ClientSampleId :

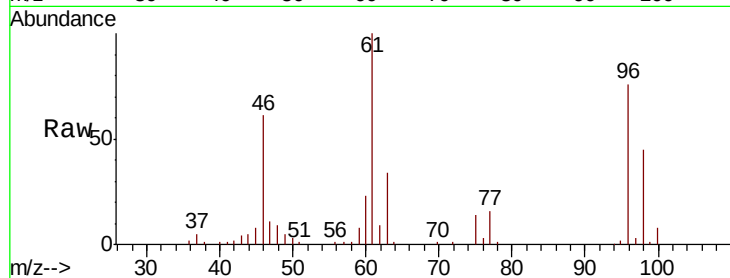
Tot Ion: 96 Resp: 37577

Ion Ratio Lower Upper

96 100

61 131.8 93.0 172.8

68 0.0 0.0 0.0

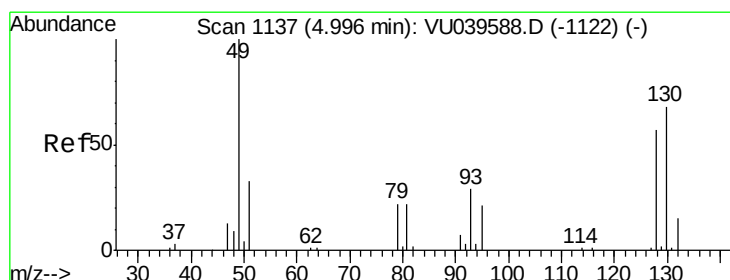
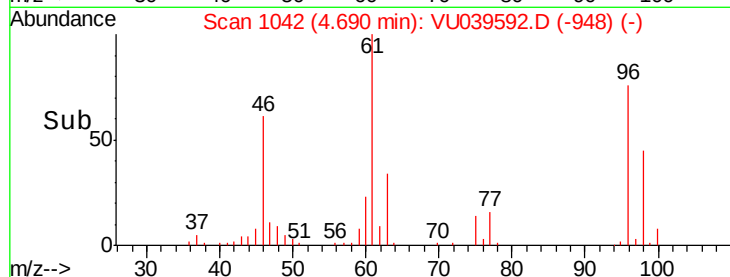
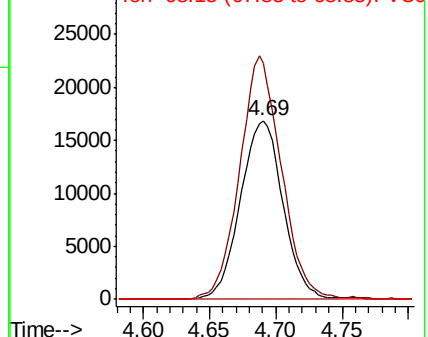


Abundance

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: 5.250 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

Tgt Ion:128 Resp: 17099

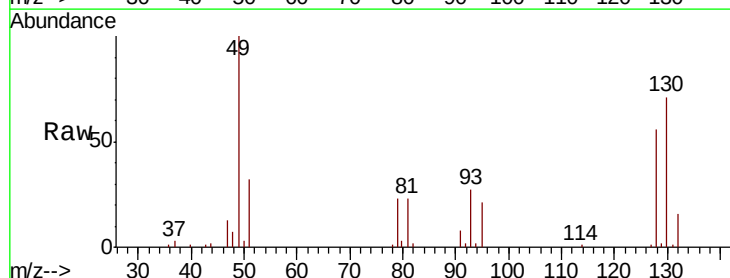
Ion Ratio Lower Upper

128 100

49 179.8 123.1 228.7

130 127.5 83.2 154.4

51 56.9 46.2 69.2



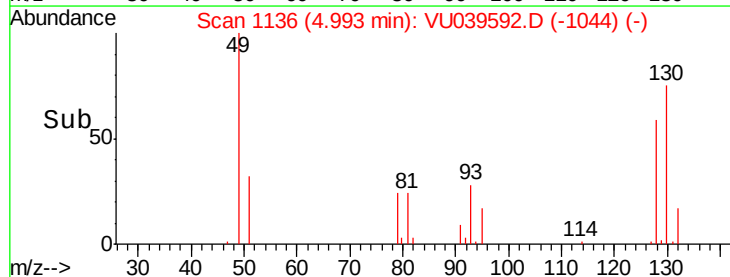
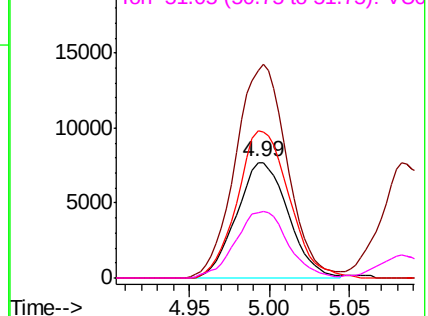
Abundance

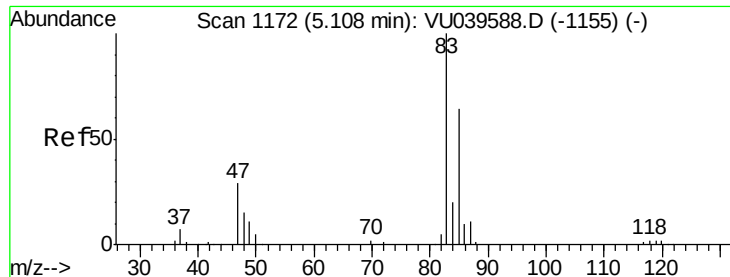
Ion 127.90 (127.60 to 128.60): V

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

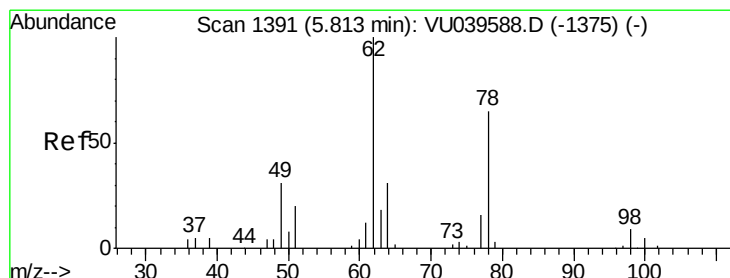
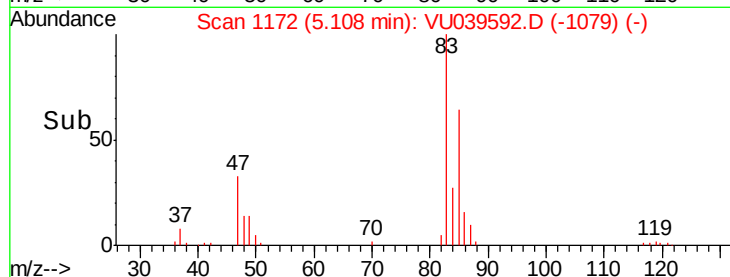
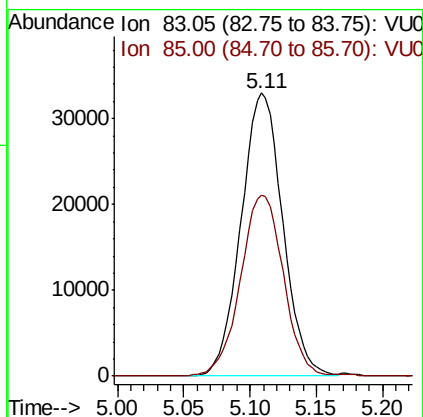
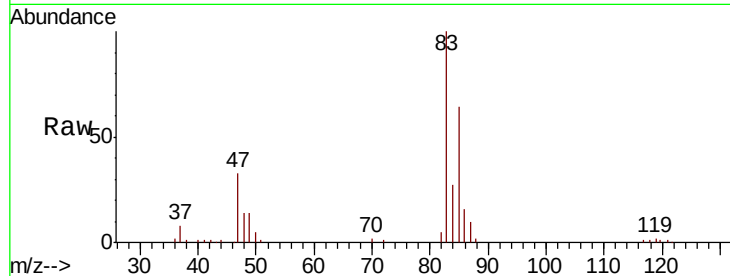




#25
Chloroform
Concen: 5.136 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039592.D
Acq: 21 Jul 2020 12:03

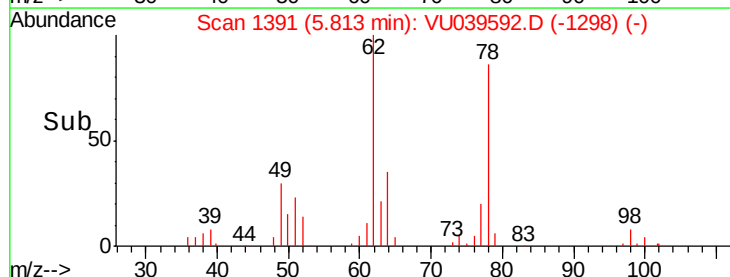
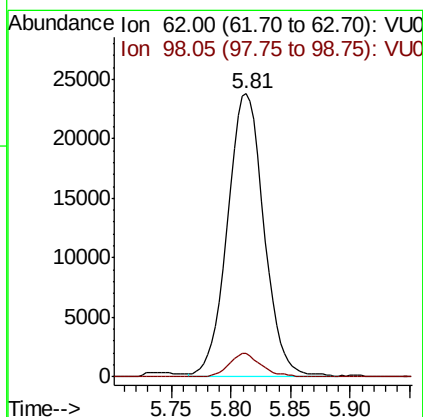
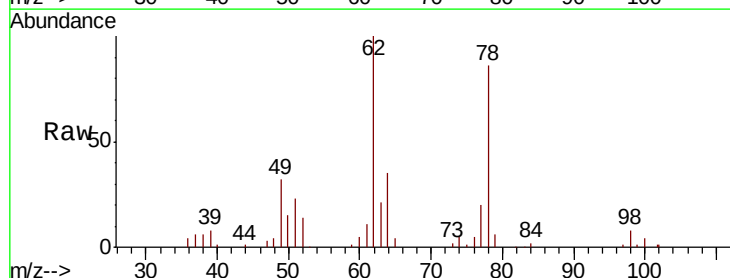
Instrument :
MSVOA_U
ClientSampleId :

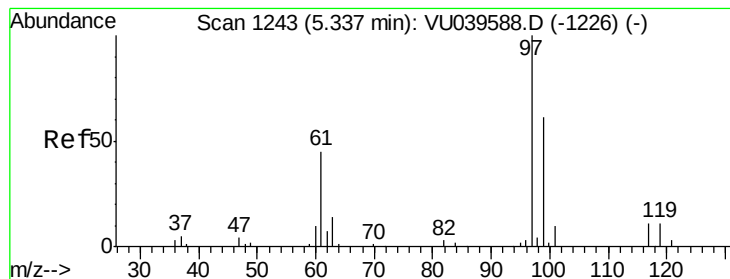
Tot Ion: 83 Resp: 72303
Ion Ratio Lower Upper
83 100
85 63.9 44.4 82.5



#27
1,2-Dichloroethane
Concen: 5.303 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039592.D
Acq: 21 Jul 2020 12:03

Tgt Ion: 62 Resp: 50769
Ion Ratio Lower Upper
62 100
98 8.3 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 5.143 ug/L

RT: 5.34 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

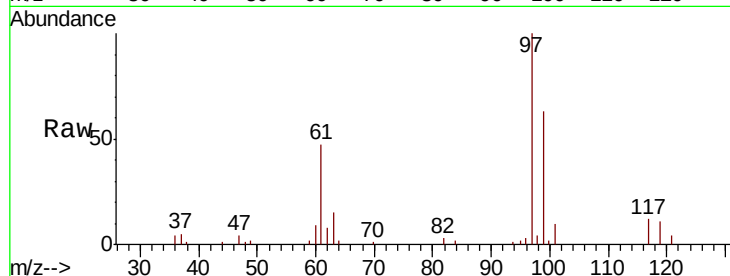
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 61600

Ion	Ratio	Lower	Upper
97	100		
99	64.2	49.5	74.3
61	46.5	38.8	58.2

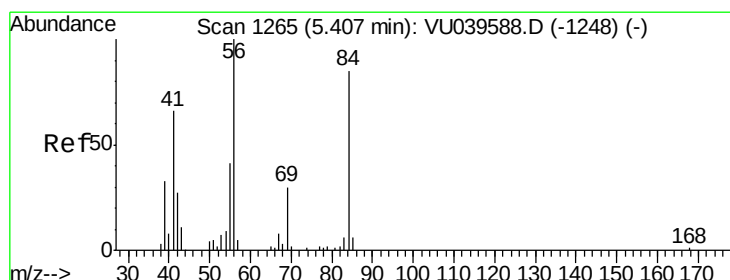
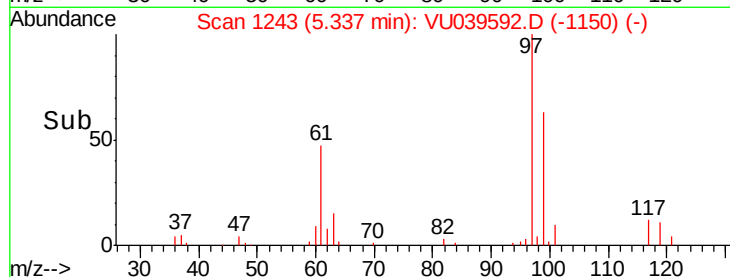
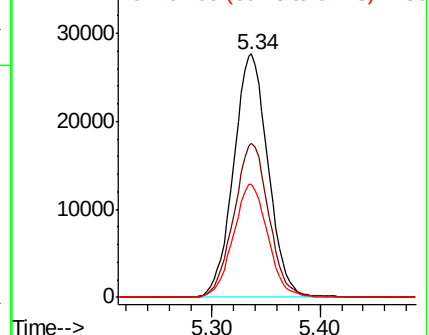


Abundance

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: 4.893 ug/L

RT: 5.41 min Scan# 1265

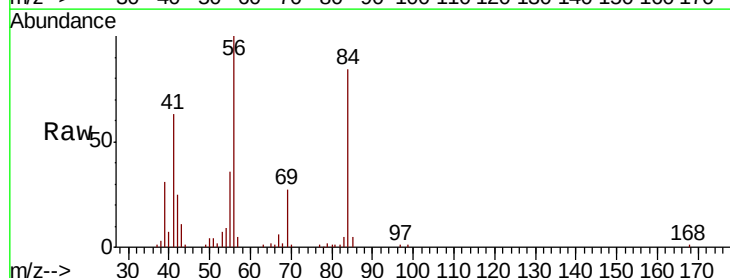
Delta R.T. -0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

Tgt Ion: 56 Resp: 51619

Ion	Ratio	Lower	Upper
56	100		
69	28.5	24.0	36.0
84	85.0	69.8	104.6

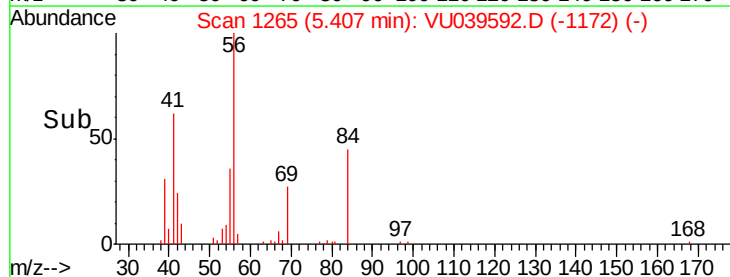
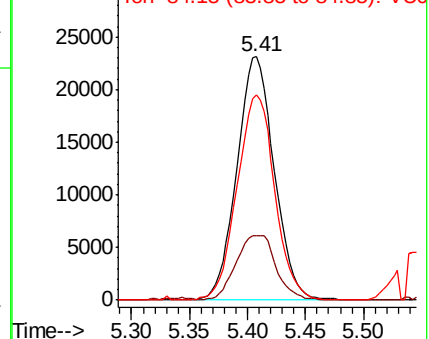


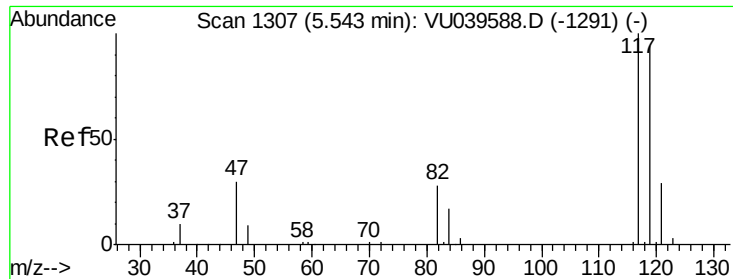
Abundance

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: 4.921 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_U

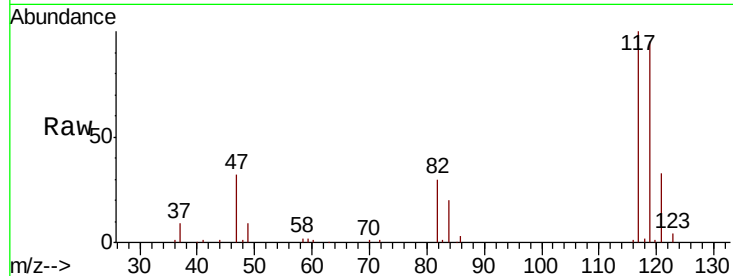
ClientSampled :

Tot Ion:117 Resp: 50426

Ion Ratio Lower Upper

117 100

119 96.9 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

25000

20000

15000

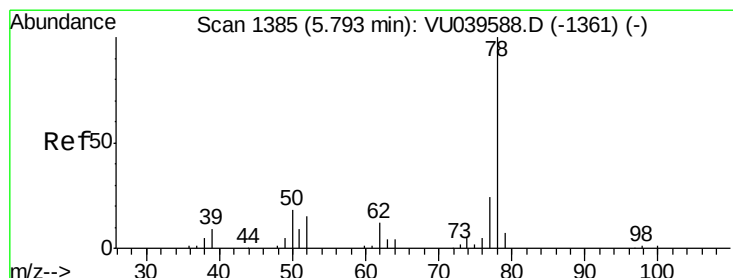
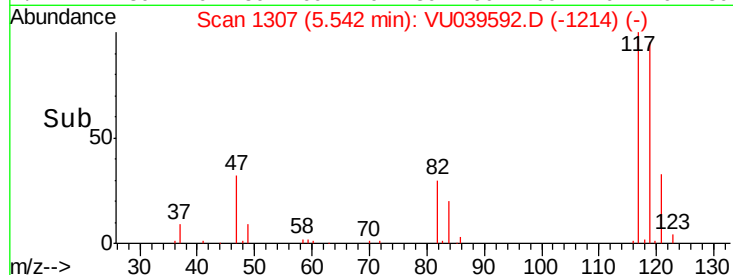
10000

5000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 5.203 ug/L

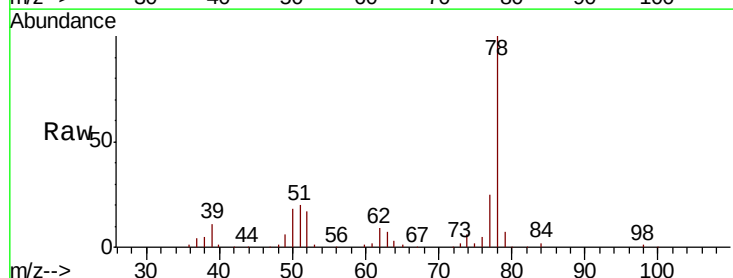
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

Tgt Ion: 78 Resp: 141730



Abundance Ion 78.10 (77.80 to 78.80): VU0

80000

60000

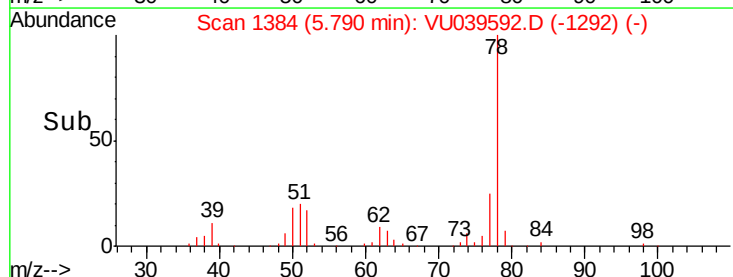
40000

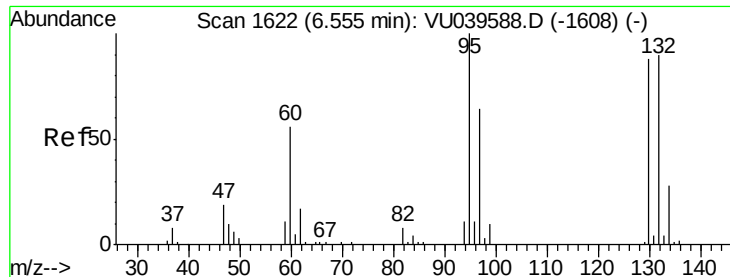
20000

0

Time-->

5.65 5.70 5.75 5.80 5.85





#34

Trichloroethene

Concen: 5.108 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 38317

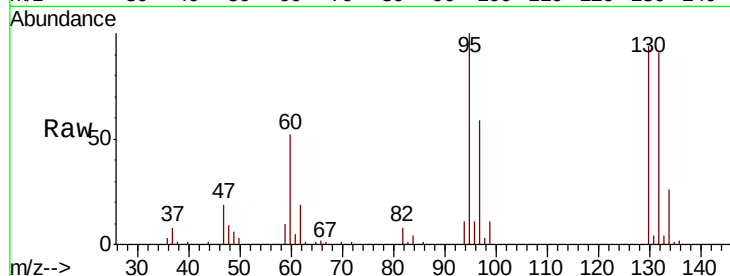
Ion Ratio Lower Upper

95 100

97 59.4 44.9 83.3

132 90.8 62.8 116.6

130 93.8 61.5 114.1

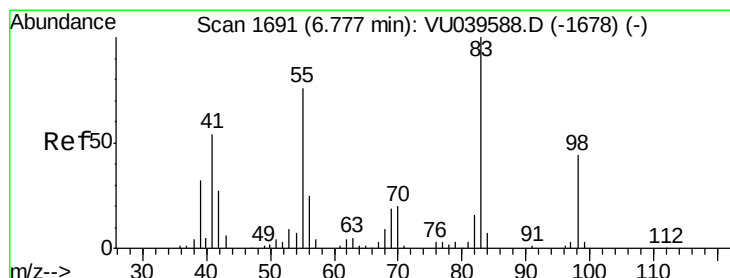
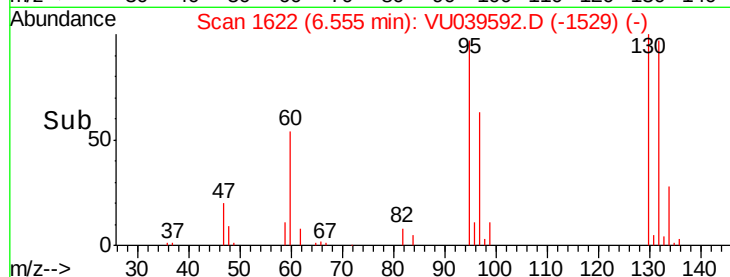
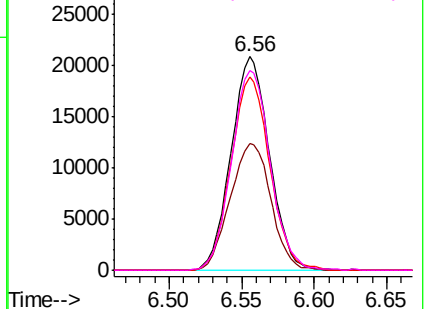


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.833 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

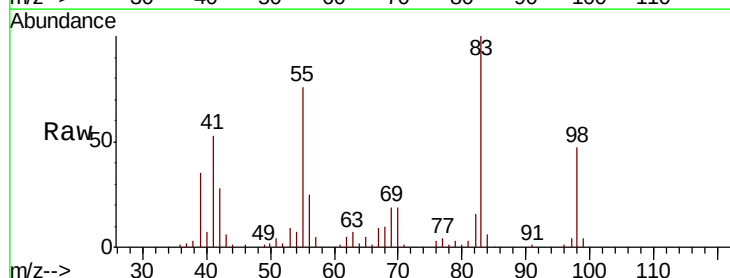
Tgt Ion: 83 Resp: 53257

Ion Ratio Lower Upper

83 100

55 76.7 63.0 94.6

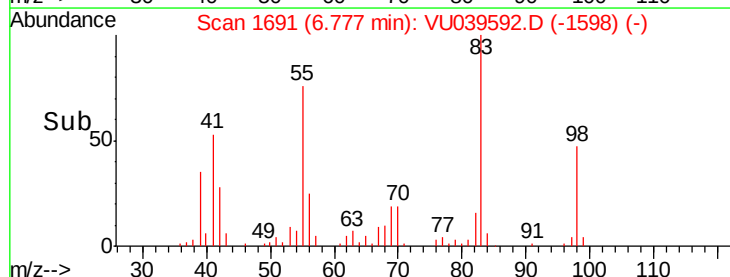
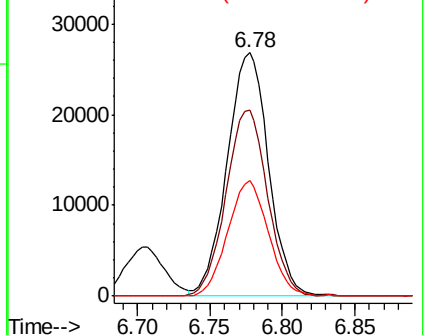
98 46.4 35.3 52.9

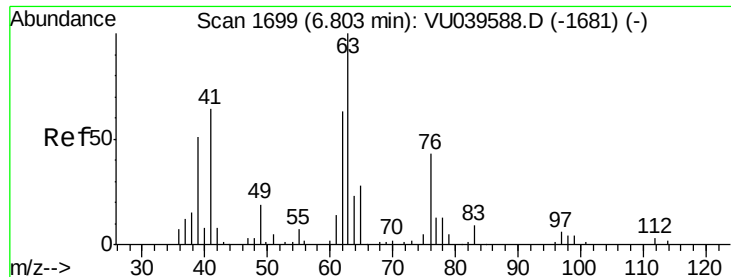


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

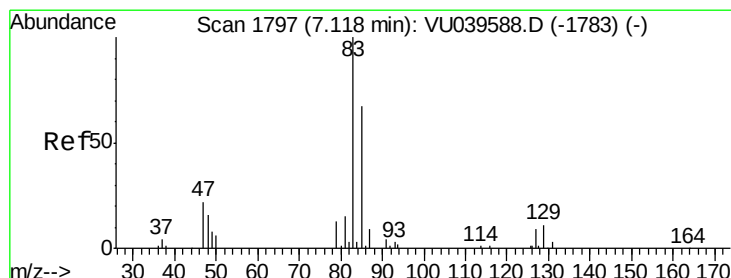
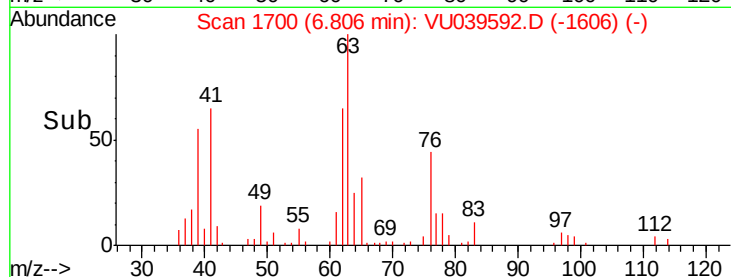
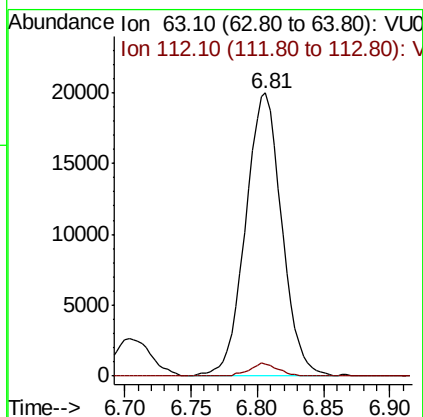
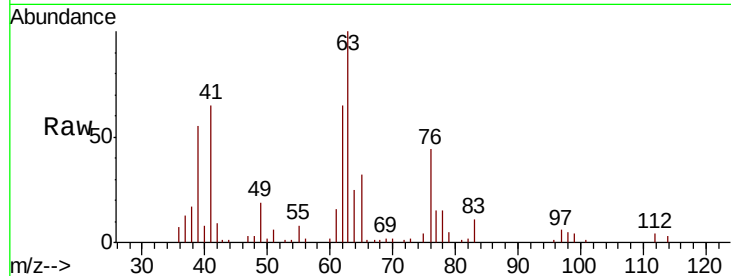




#37
 1,2-Dichloropropane
 Concen: 5.023 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039592.D
 Acq: 21 Jul 2020 12:03

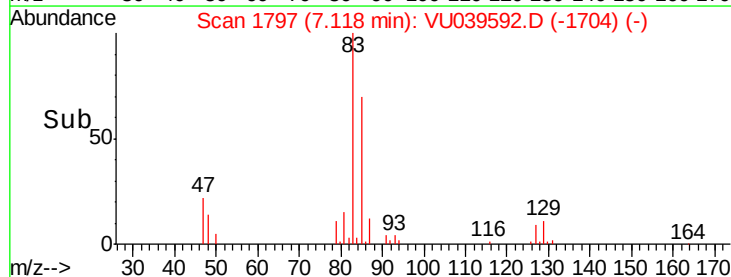
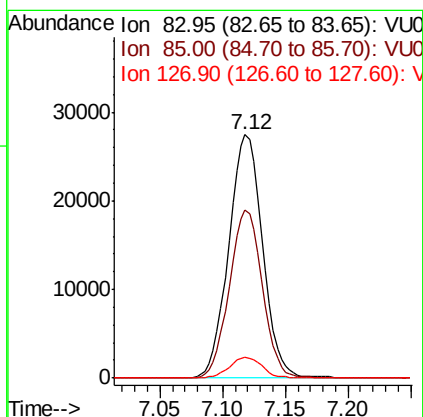
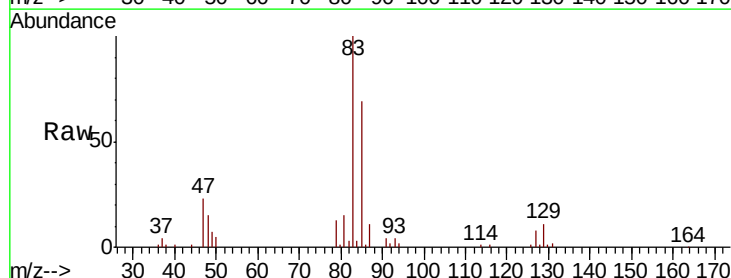
Instrument :
 MSVOA_U
 ClientSampled :

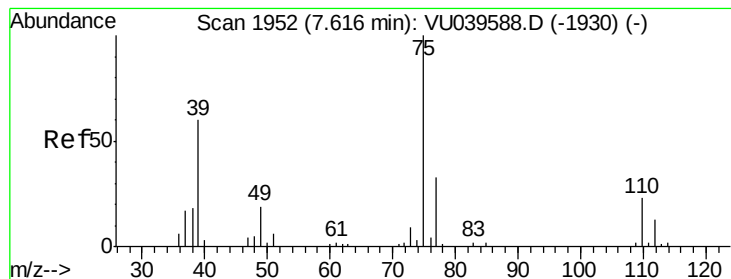
Tot Ion: 63 Resp: 38083
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.7 4.1



#38
 Bromodichloromethane
 Concen: 5.172 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039592.D
 Acq: 21 Jul 2020 12:03

Tgt Ion: 83 Resp: 51597
 Ion Ratio Lower Upper
 83 100
 85 68.8 46.6 86.6
 127 8.4 7.0 10.6



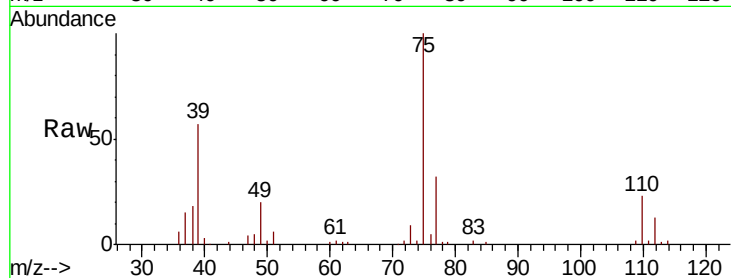


#39

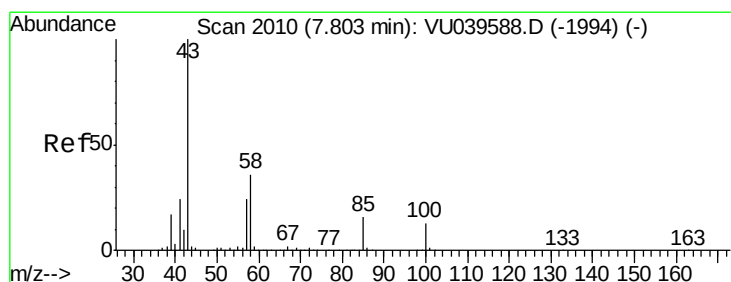
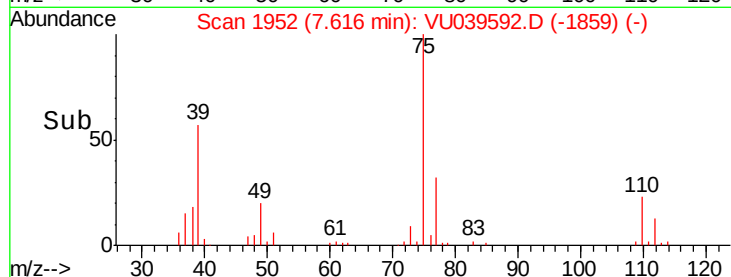
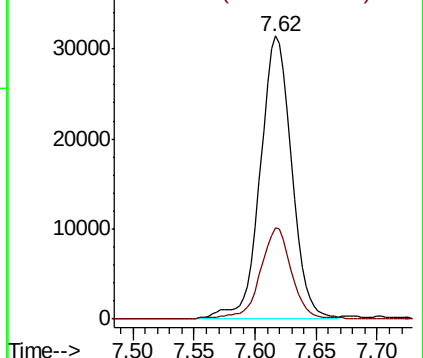
cis-1,3-Dichloropropene
Concen: 5.196 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VU039592.D
Acq: 21 Jul 2020 12:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 56578
Ion Ratio Lower Upper
75 100
77 32.3 23.2 43.0



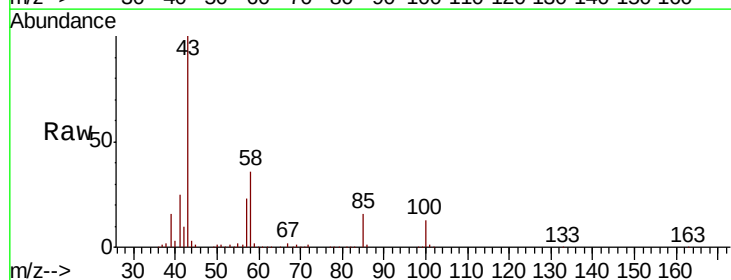
Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



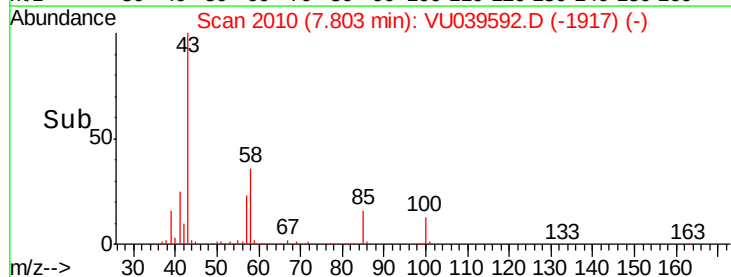
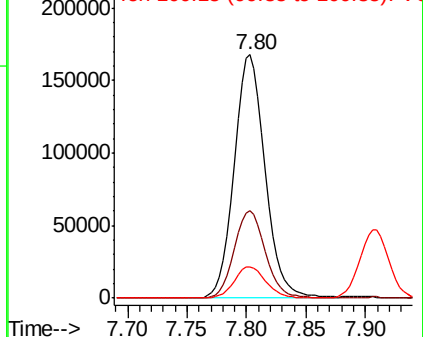
#40

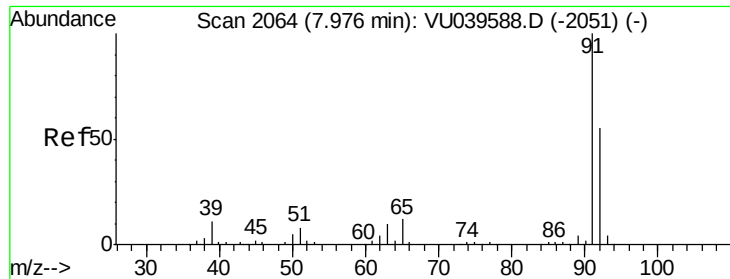
4-Methyl-2-pentanone
Concen: 51.108 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU039592.D
Acq: 21 Jul 2020 12:03

Tgt Ion: 43 Resp: 302446
Ion Ratio Lower Upper
43 100
58 36.3 29.2 43.8
100 13.0 10.5 15.7



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





#42

Toluene

Concen: 5.251 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_U

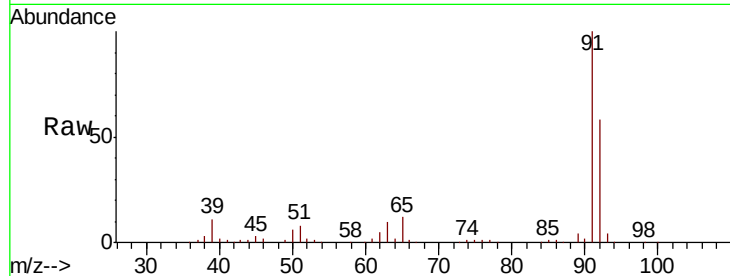
ClientSampled :

Tot Ion: 91 Resp: 156579

Ion Ratio Lower Upper

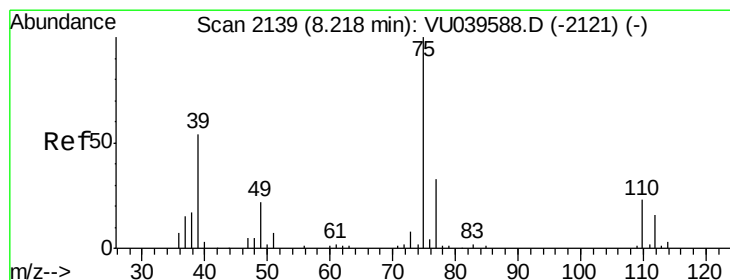
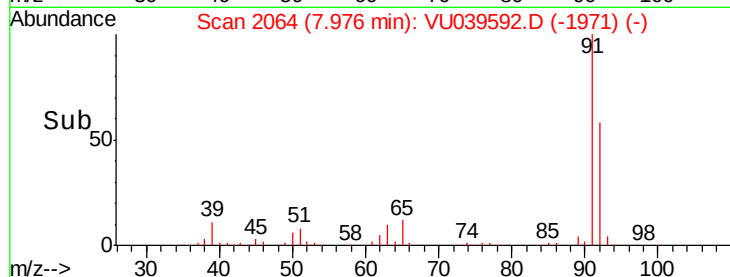
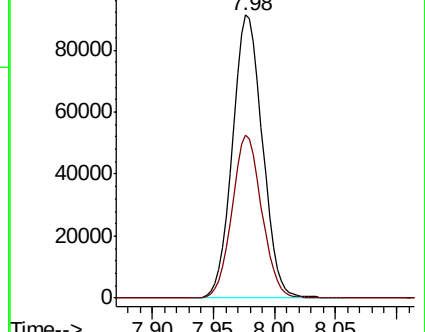
91 100

92 57.8 38.6 71.6



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

Ion 92.15 (91.85 to 92.85): VU039592.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.112 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039592.D

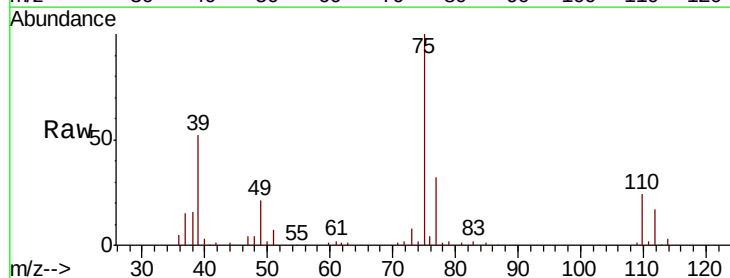
Acq: 21 Jul 2020 12:03

Tgt Ion: 75 Resp: 50840

Ion Ratio Lower Upper

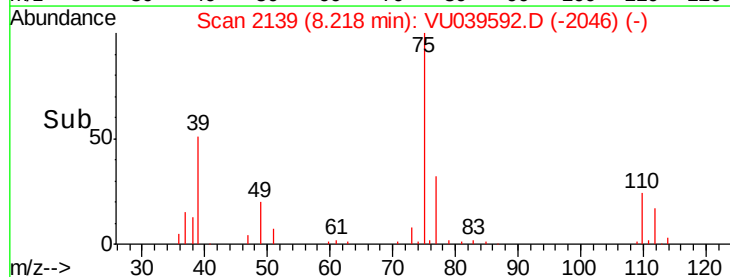
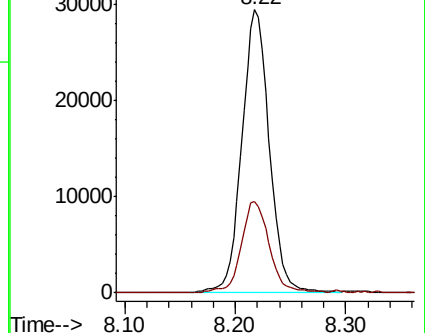
75 100

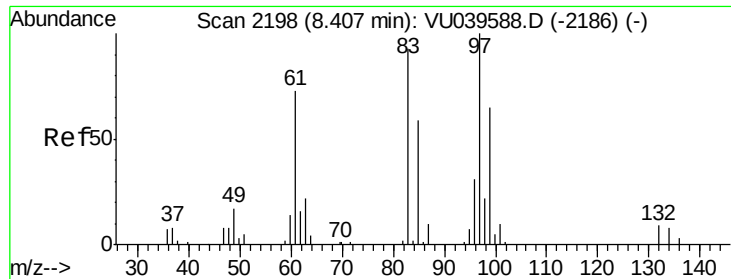
77 32.4 22.7 42.3



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

Ion 77.05 (76.75 to 77.75): VU039592.D (-2046) (-)

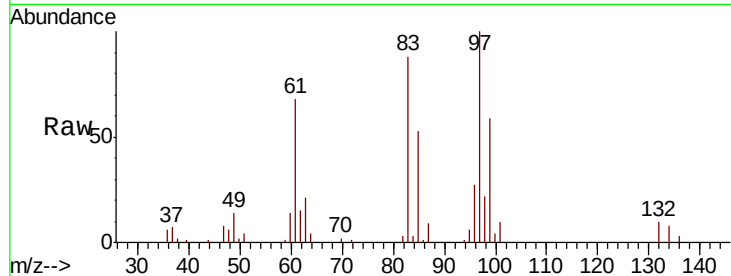




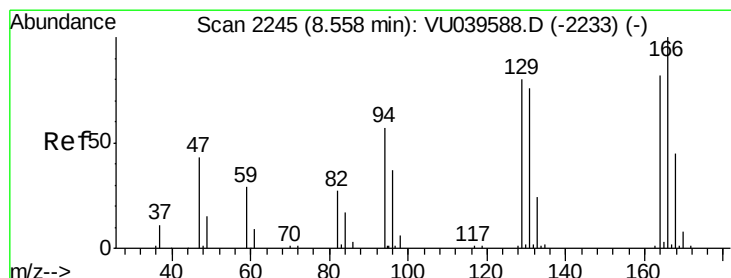
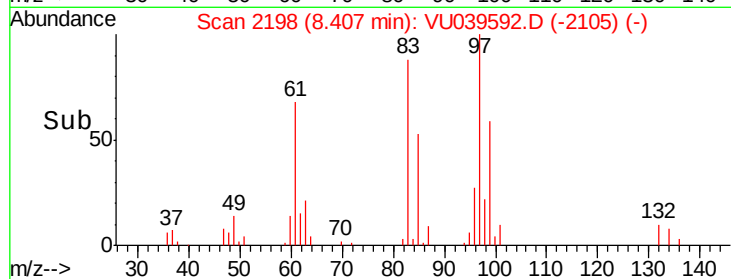
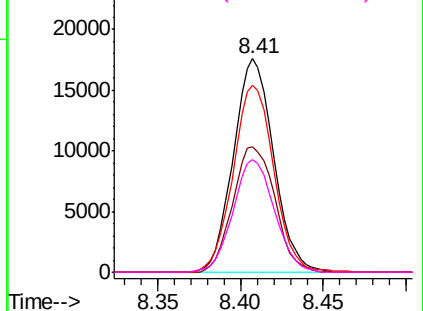
#45
 1,1,2-Trichloroethane
 Concen: 5.165 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039592.D
 Acq: 21 Jul 2020 12:03

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	29729
Ion	Ratio	Lower	Upper
97	100		
99	58.5	45.2	84.0
83	87.7	64.9	120.5
85	53.0	41.4	77.0

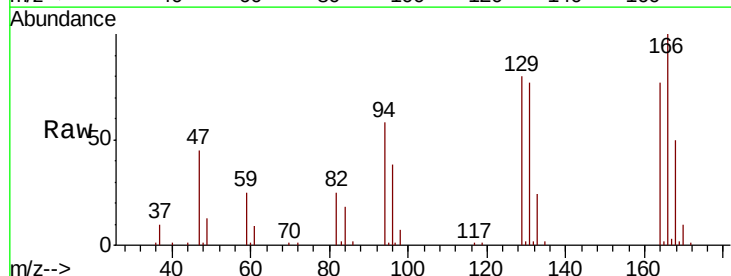


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

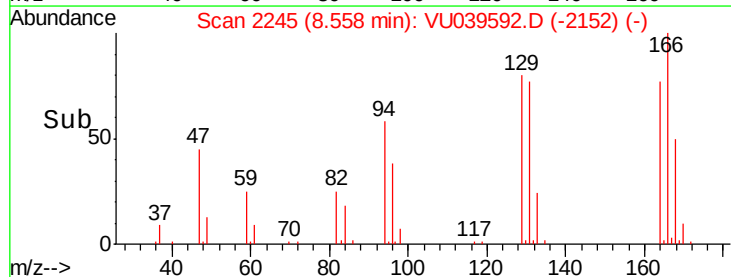
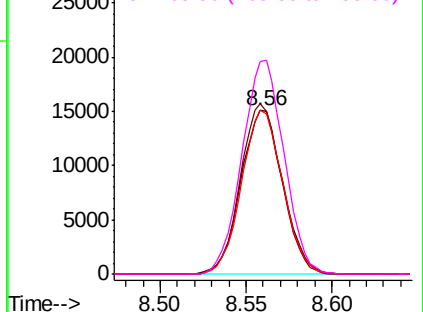


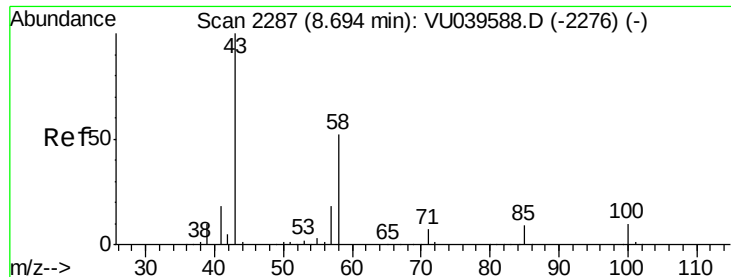
#47
 Tetrachloroethene
 Concen: 5.009 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039592.D
 Acq: 21 Jul 2020 12:03

Tgt Ion:	164	Resp:	25701
Ion	Ratio	Lower	Upper
164	100		
129	103.7	67.9	126.1
131	99.8	64.7	120.1
166	129.7	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

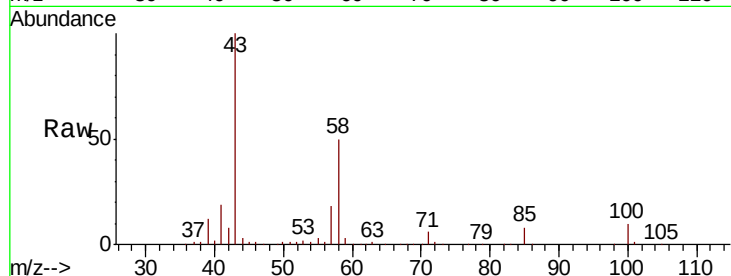




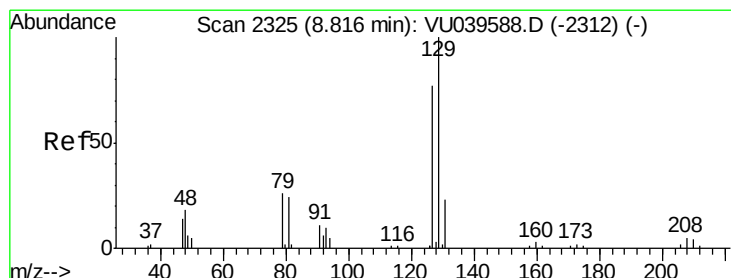
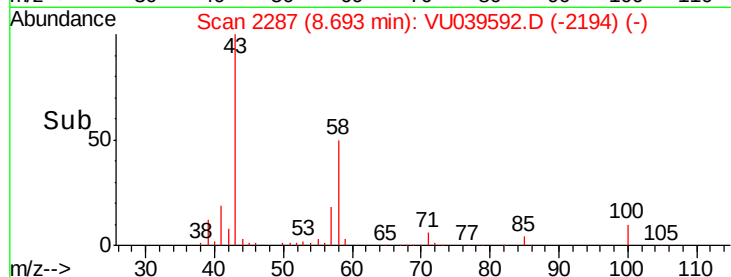
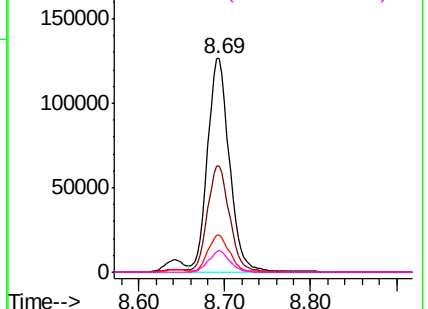
#48
2-Hexanone
Concen: 51.719 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VU039592.D
Acq: 21 Jul 2020 12:03

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 226546
Ion Ratio Lower Upper
43 100
58 49.4 40.9 61.3
57 17.3 14.6 21.8
100 9.7 7.9 11.9

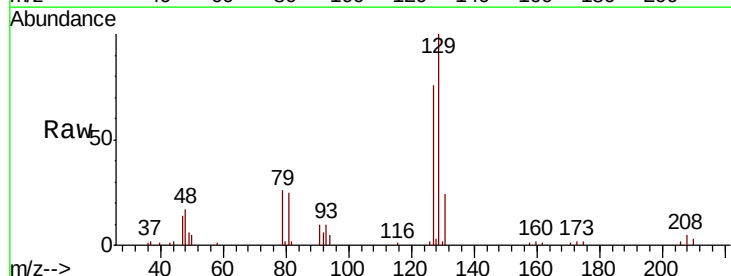


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

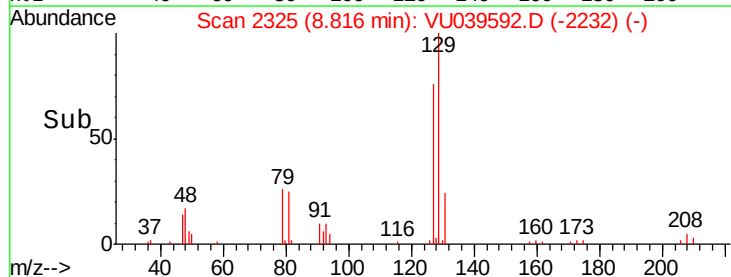
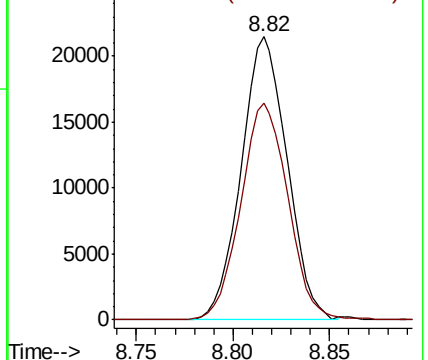


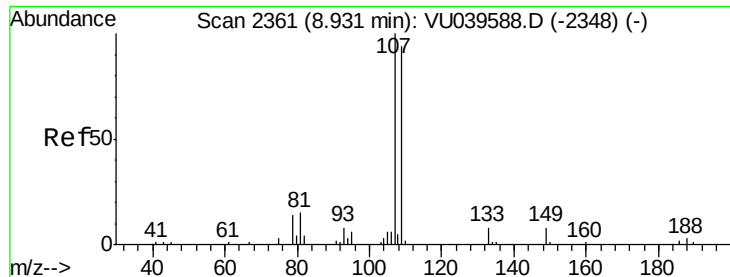
#49
Dibromochloromethane
Concen: 5.070 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039592.D
Acq: 21 Jul 2020 12:03

Tgt Ion: 129 Resp: 35478
Ion Ratio Lower Upper
129 100
127 76.4 53.8 99.8



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

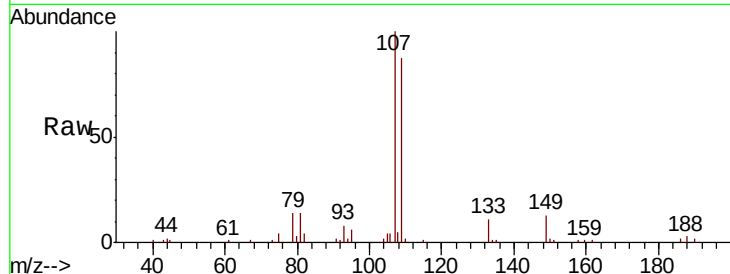




#50
1,2-Dibromoethane
Concen: 5.349 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU039592.D
Acq: 21 Jul 2020 12:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	86.5	66.1	122.7
188	2.9	2.4	3.6

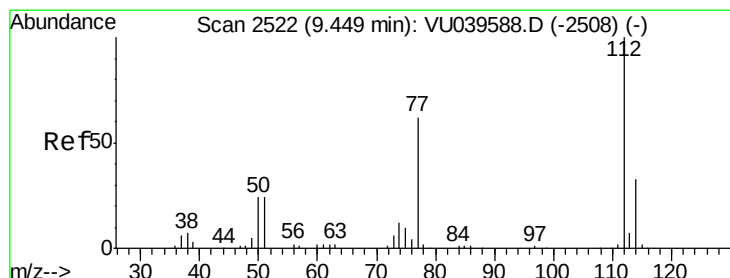
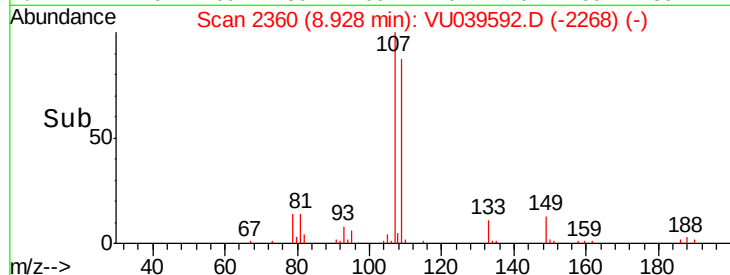
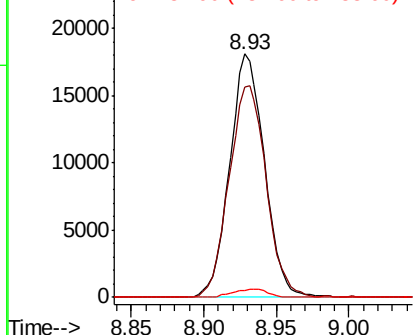


Abundance

Ion 106.95 (106.65 to 107.65): V

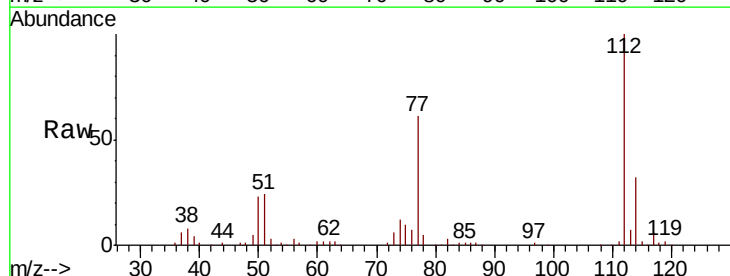
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 5.206 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU039592.D
Acq: 21 Jul 2020 12:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.9	42.5
77	61.3	50.0	75.0

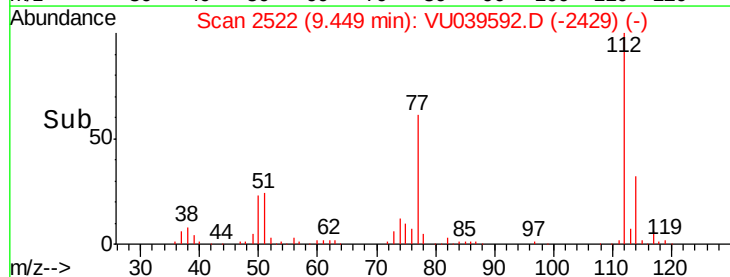
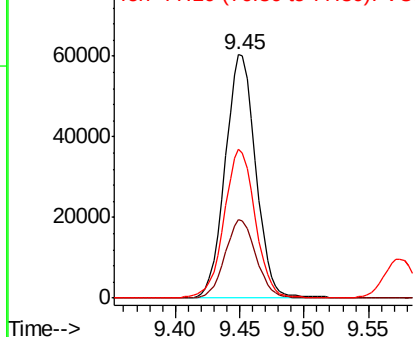


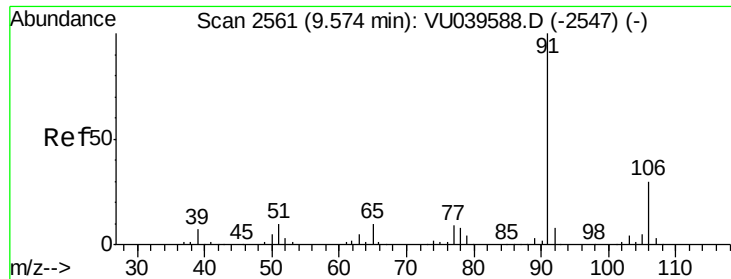
Abundance

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): VU

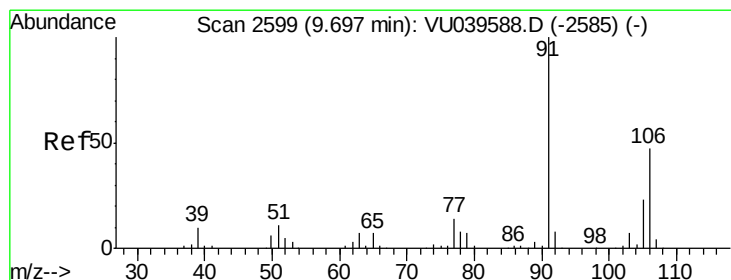
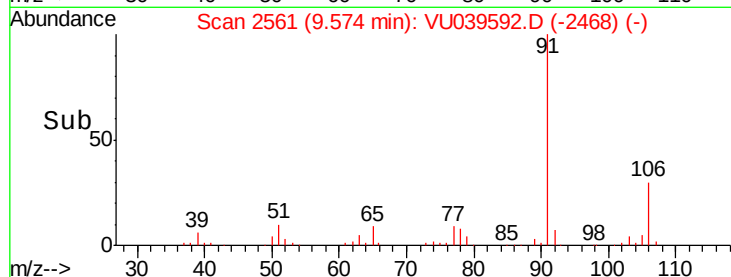
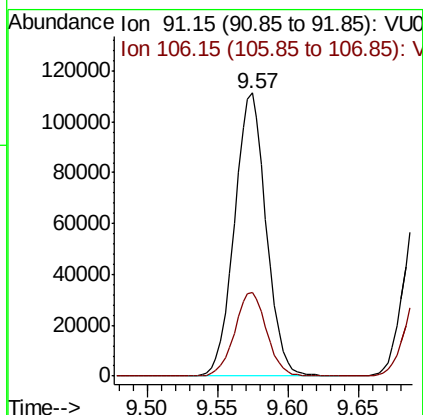
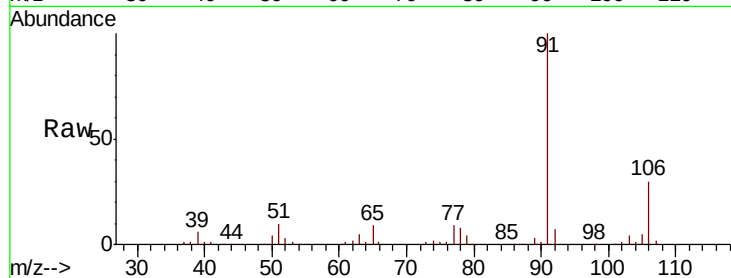




#52
Ethylbenzene
Concen: 5.169 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. 0.00 min
Lab File: VU039592.D
Acq: 21 Jul 2020 12:03

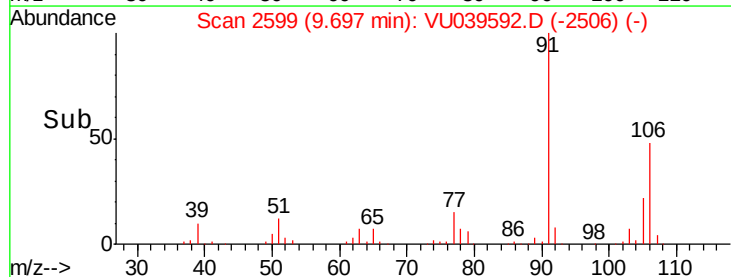
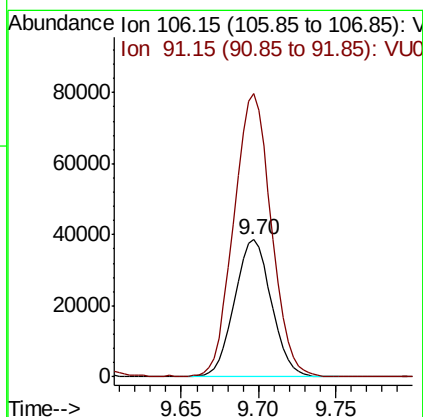
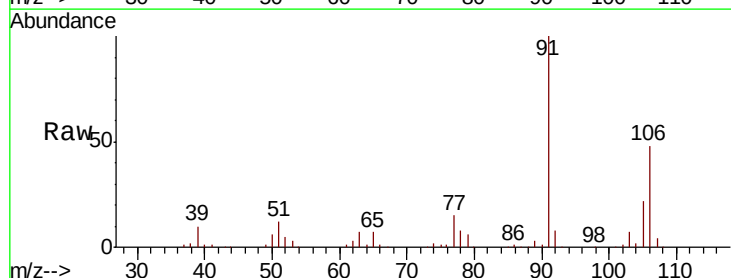
Instrument :
MSVOA_U
ClientSampled :

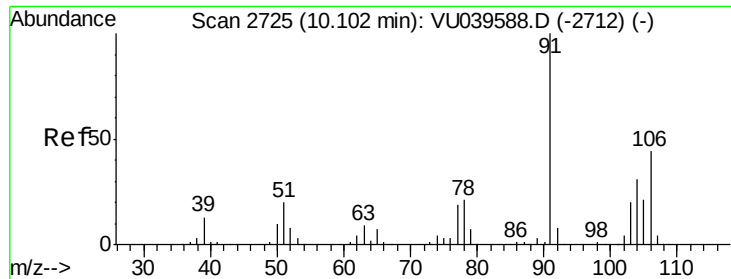
Tot Ion: 91 Resp: 175340
Ion Ratio Lower Upper
91 100
106 29.5 21.3 39.6



#53
m,p-Xylene
Concen: 5.067 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. -0.00 min
Lab File: VU039592.D
Acq: 21 Jul 2020 12:03

Tgt Ion: 106 Resp: 64136
Ion Ratio Lower Upper
106 100
91 206.3 149.3 277.3

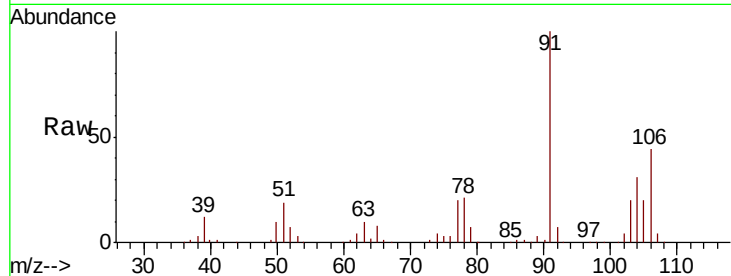




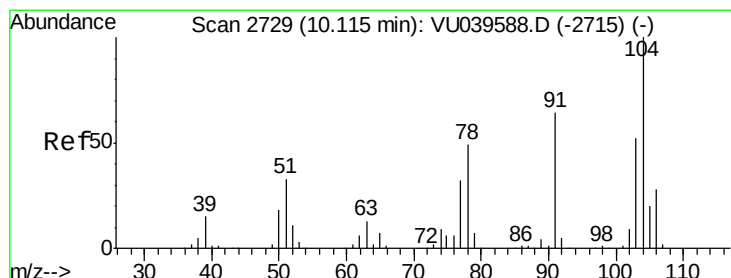
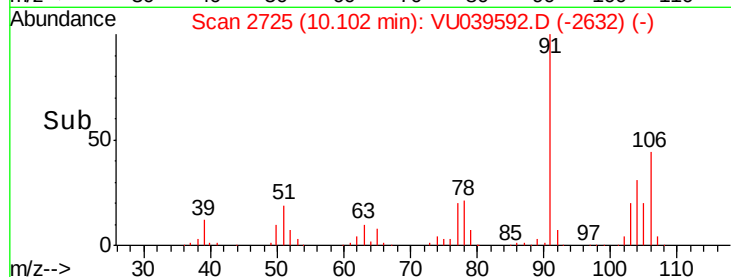
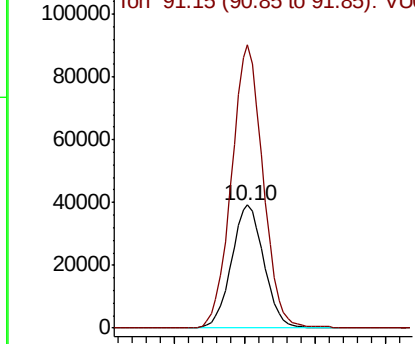
#54
o-Xylene
Concen: 5.101 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039592.D
Acq: 21 Jul 2020 12:03

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 63049
Ion Ratio Lower Upper
106 100
91 229.6 157.4 292.4

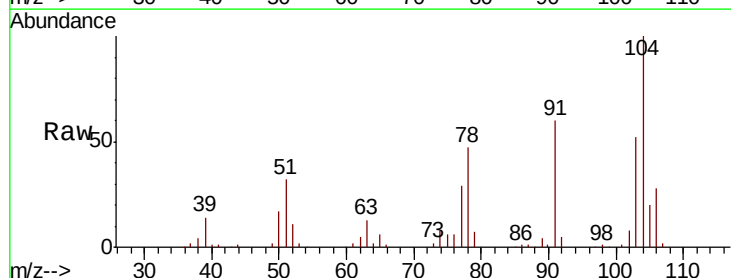


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

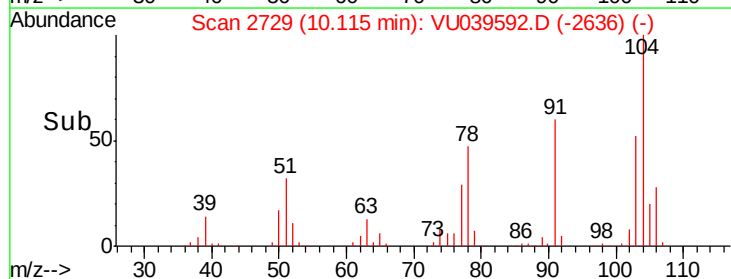
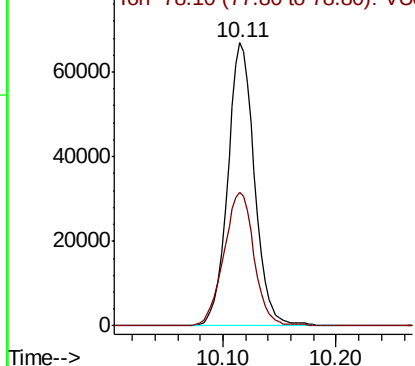


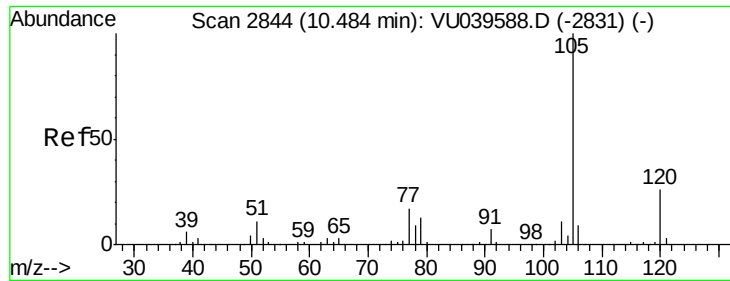
#55
Styrene
Concen: 5.295 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039592.D
Acq: 21 Jul 2020 12:03

Tgt Ion:104 Resp: 109907
Ion Ratio Lower Upper
104 100
78 47.3 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: 5.056 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039592.D

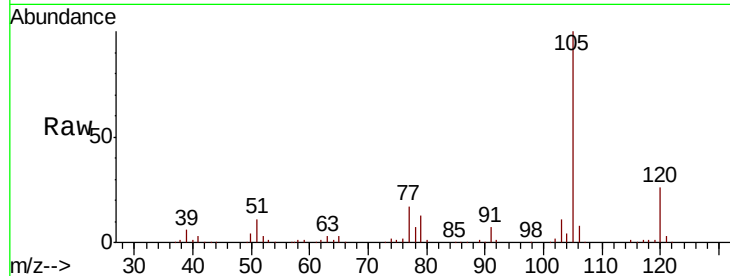
Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_U

ClientSampled :

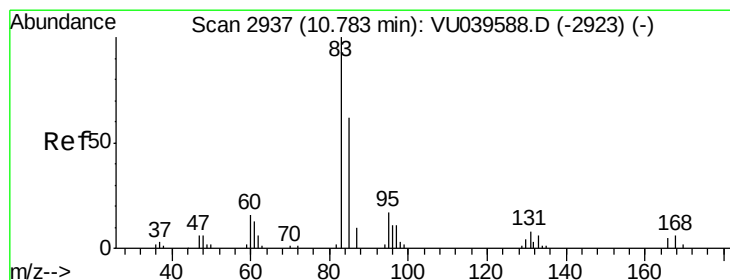
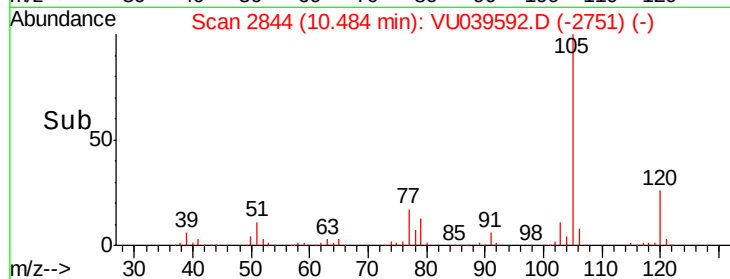
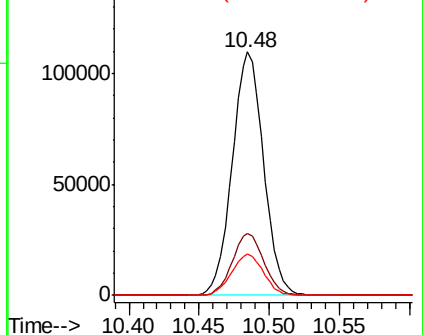
Tot Ion:	105	Resp:	170618
Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.9	31.3
77	17.1	13.6	20.4



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: 5.302 ug/L

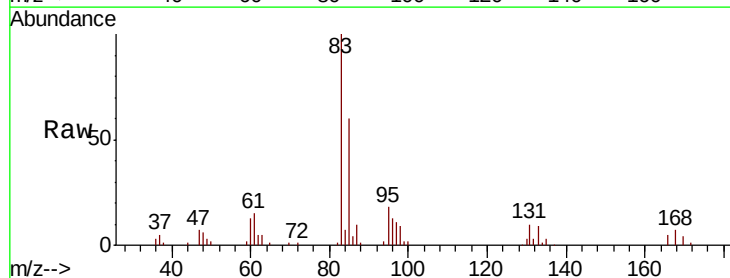
RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

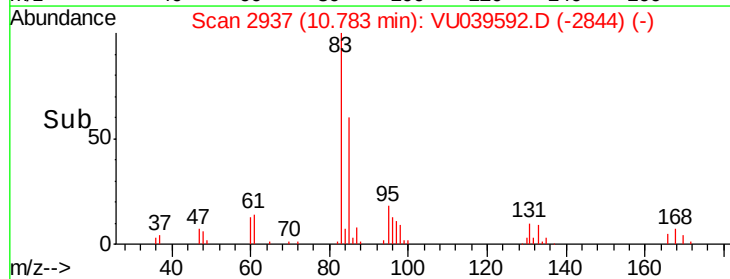
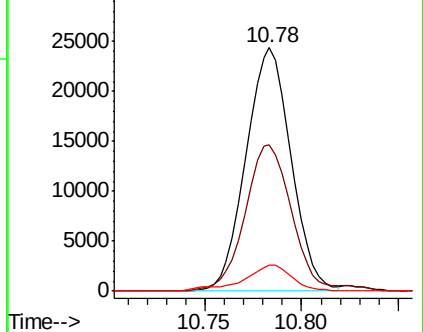
Tgt Ion:	83	Resp:	39459
Ion	Ratio	Lower	Upper
83	100		
85	60.0	43.5	80.9
131	10.4	7.4	11.0

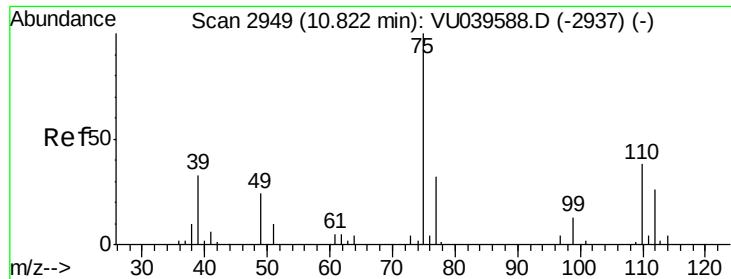


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.178 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_U

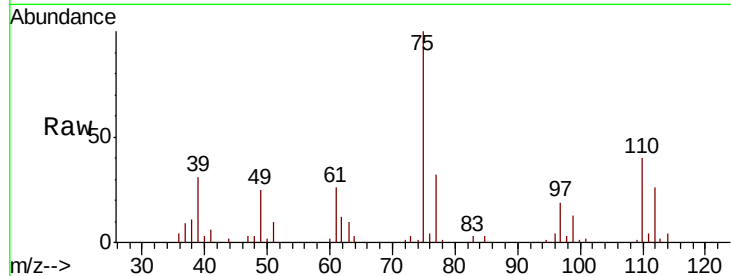
ClientSampleId :

Tot Ion: 75 Resp: 28792

Ion Ratio Lower Upper

75 100

77 31.0 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

15000

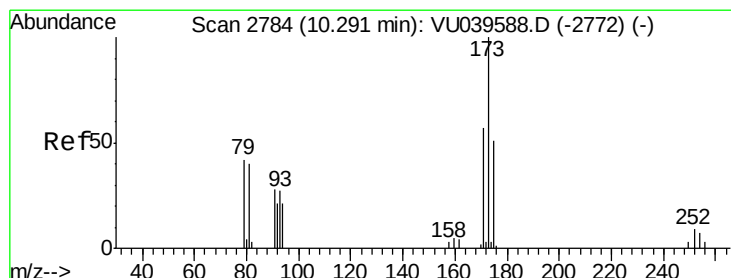
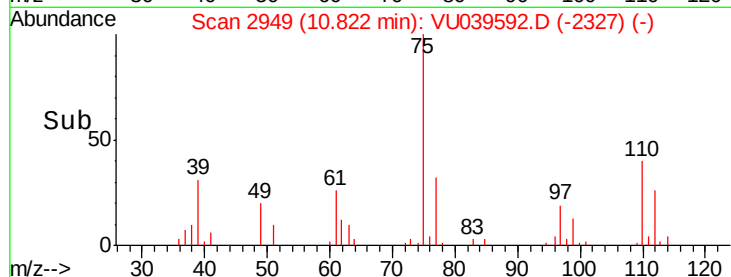
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 5.201 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

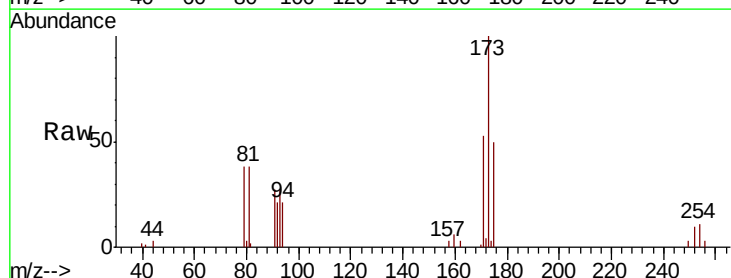
Tgt Ion: 173 Resp: 20287

Ion Ratio Lower Upper

173 100

175 50.6 39.9 59.9

254 9.6 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

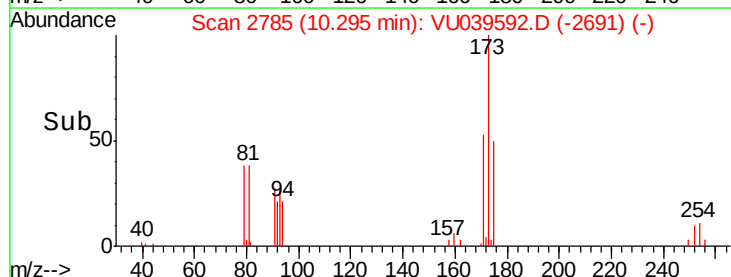
10000

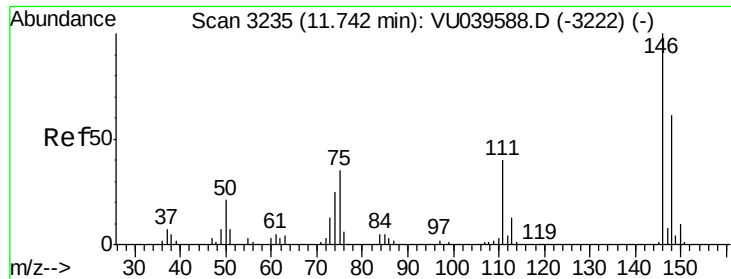
5000

0

Time-->

10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 5.194 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_U

ClientSampleId :

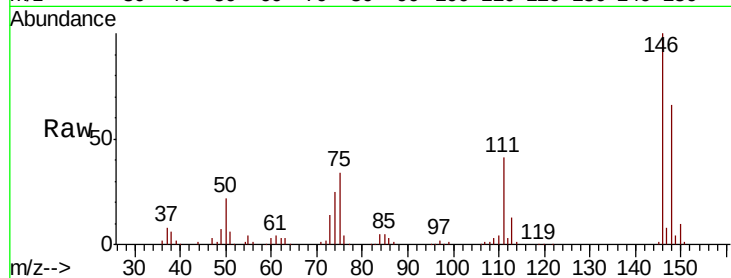
Tot Ion:146 Resp: 77738

Ion Ratio Lower Upper

146 100

111 40.6 27.9 51.9

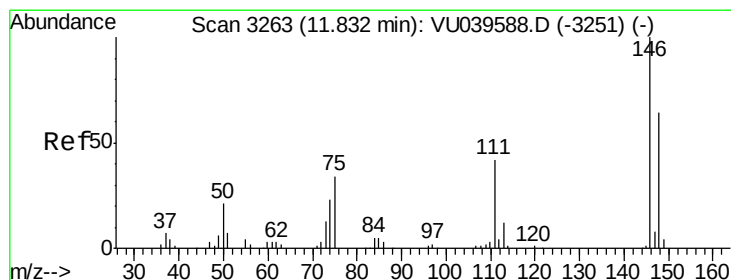
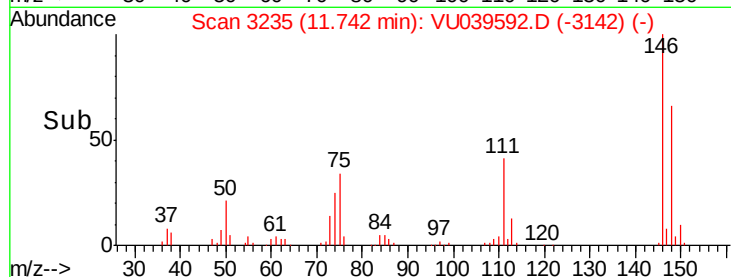
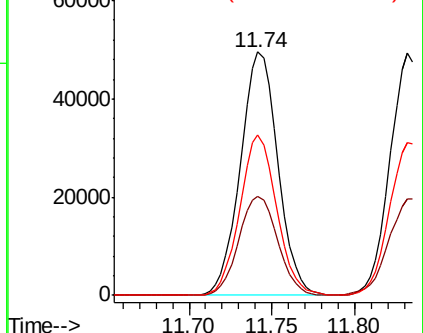
148 66.1 43.0 80.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.172 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

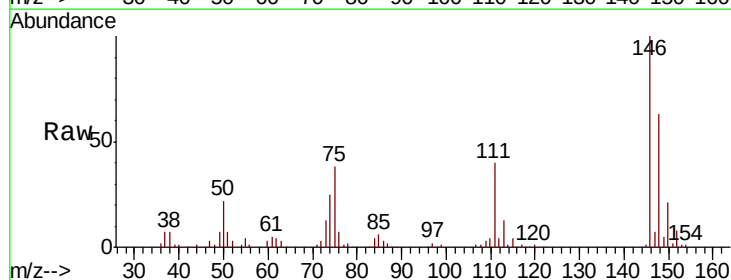
Tgt Ion:146 Resp: 77927

Ion Ratio Lower Upper

146 100

111 40.0 29.9 55.5

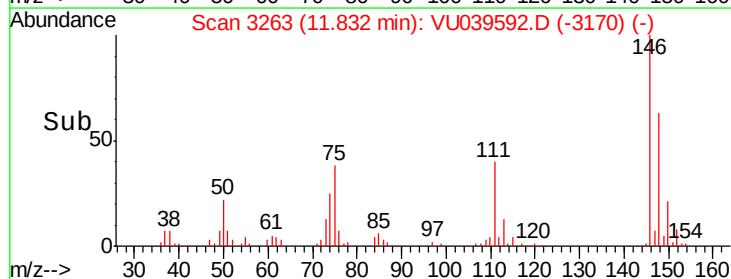
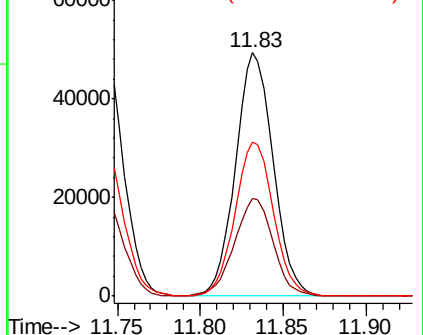
148 63.1 44.8 83.2

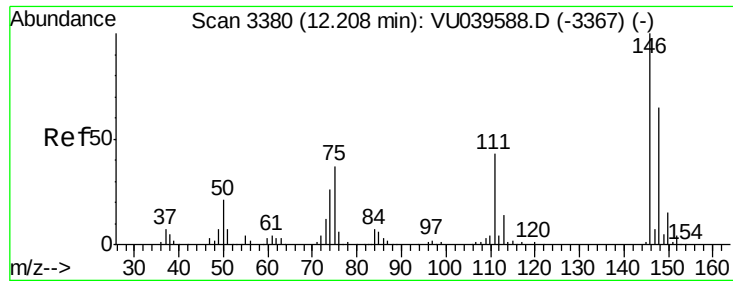


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

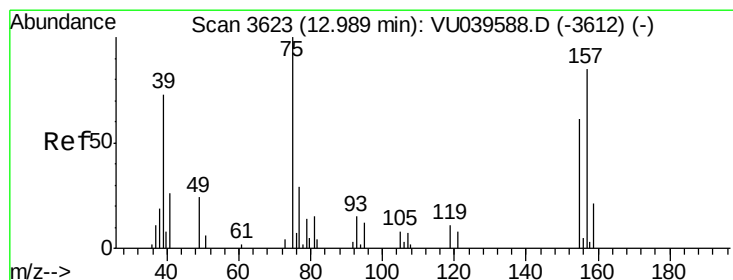
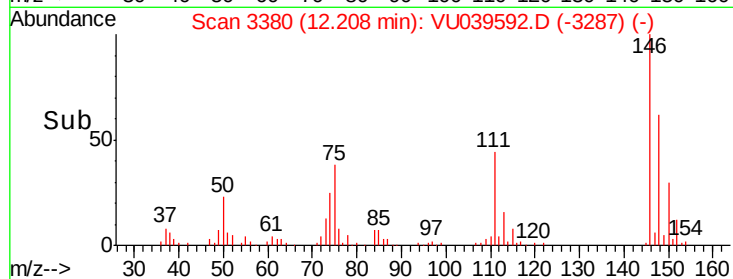
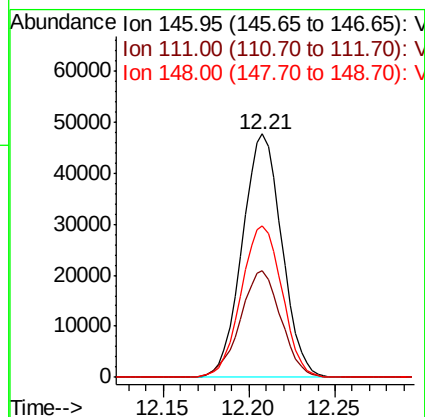
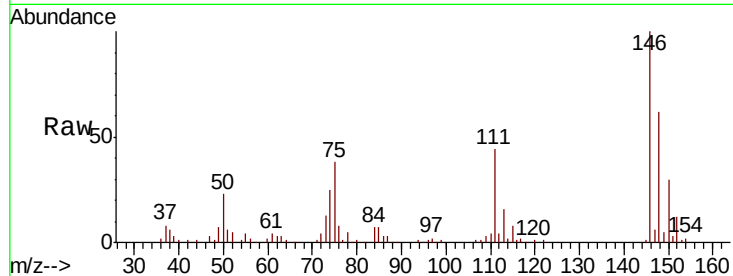




#65
 1,2-Dichlorobenzene
 Concen: 5.262 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039592.D
 Acq: 21 Jul 2020 12:03

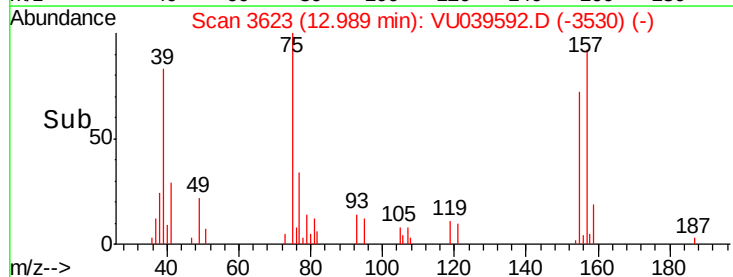
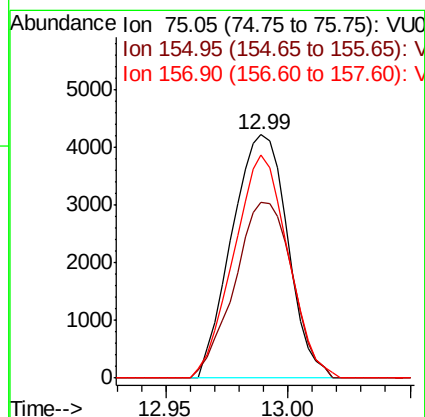
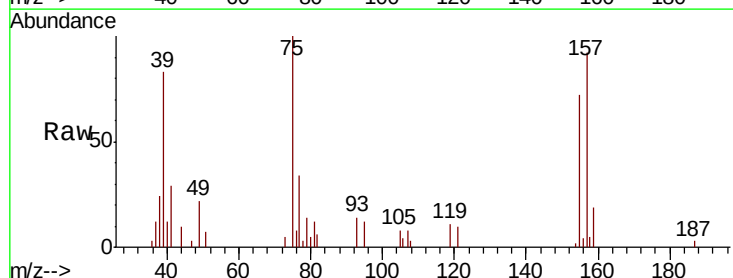
Instrument :
 MSVOA_U
 ClientSampleId :

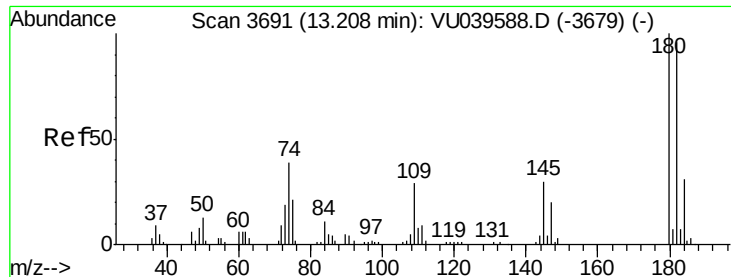
Tot Ion:146 Resp: 76070
 Ion Ratio Lower Upper
 146 100
 111 43.7 34.3 51.5
 148 62.3 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.049 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039592.D
 Acq: 21 Jul 2020 12:03

Tgt Ion: 75 Resp: 6686
 Ion Ratio Lower Upper
 75 100
 155 72.0 48.4 72.6
 157 91.9 68.2 102.2

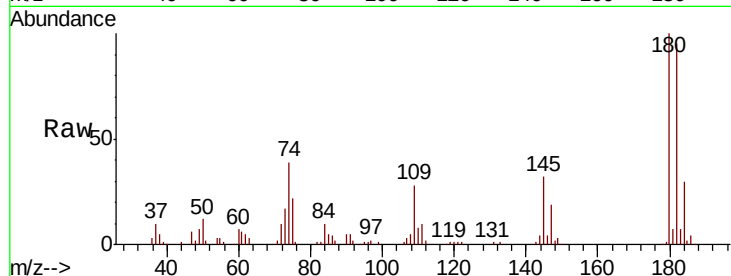




#67
 1,3,5-Trichlorobenzene
 Concen: 5.359 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU039592.D
 Acq: 21 Jul 2020 12:03

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	180	Resp	57727
Ion Ratio	100	Lower	Upper
180	100		
182	95.6	76.5	114.7
184	29.6	24.8	37.2
145	31.0	23.8	35.8



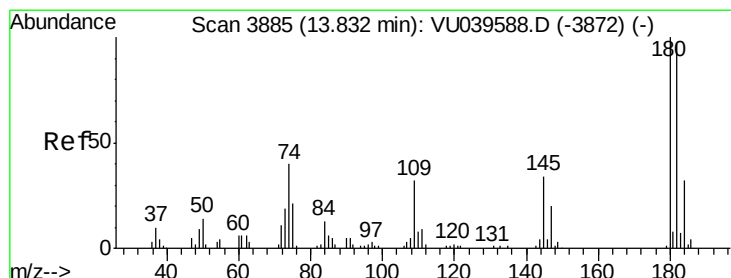
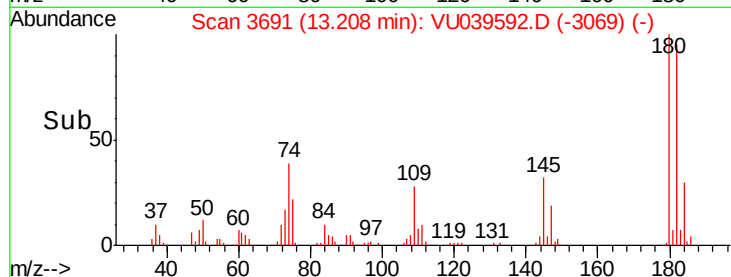
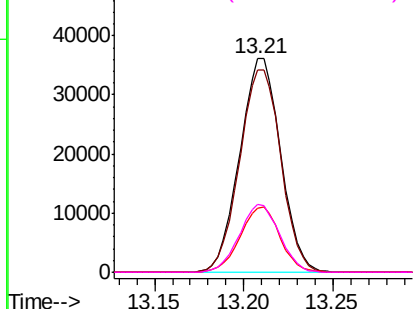
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

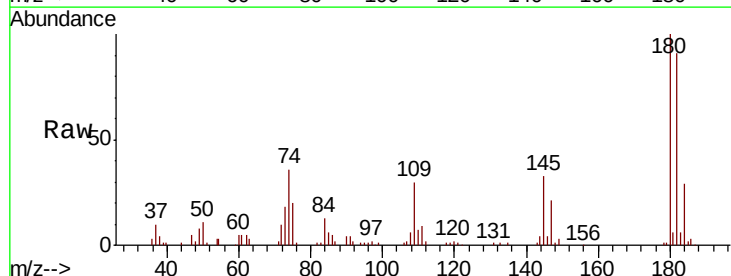
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.565 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039592.D
 Acq: 21 Jul 2020 12:03

Tgt Ion	180	Resp	49228
Ion Ratio	100	Lower	Upper
180	100		
182	93.4	78.8	118.2
145	32.7	26.7	40.1

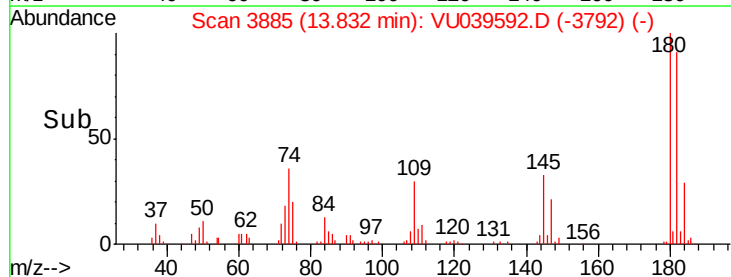
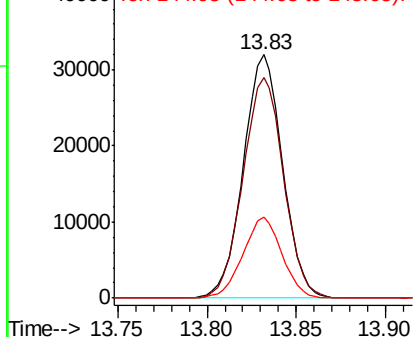


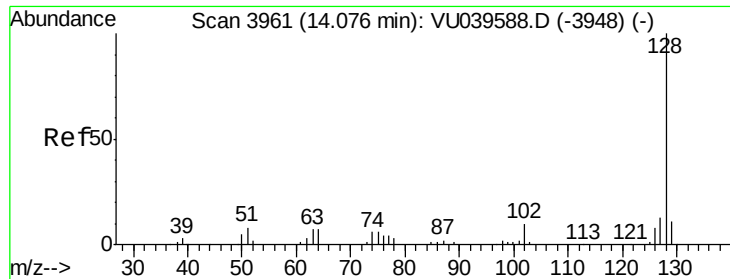
Abundance

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: 6.070 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_U

ClientSampleId :

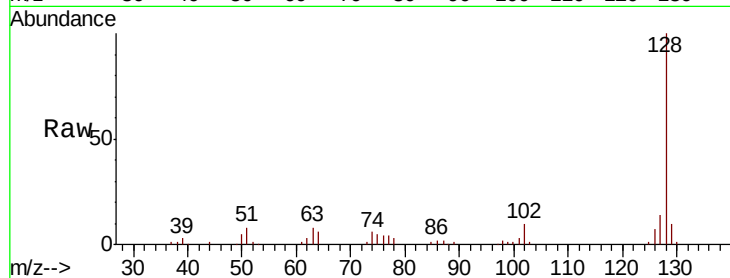
Tot Ion:128 Resp: 90934

Ion Ratio Lower Upper

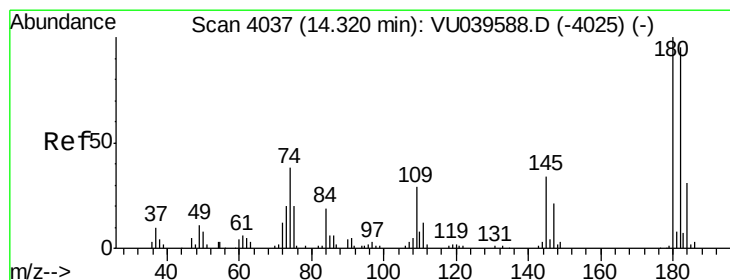
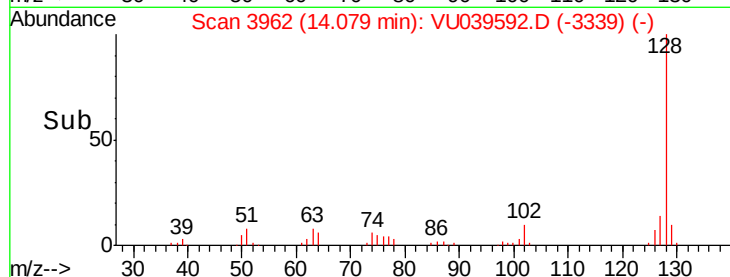
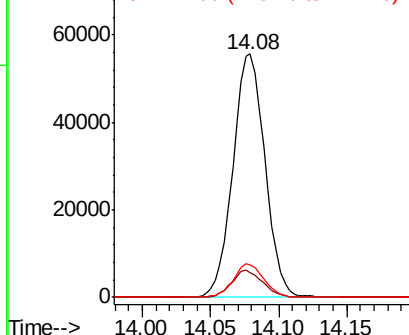
128 100

129 10.9 8.6 12.8

127 13.1 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: 5.695 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039592.D

Acq: 21 Jul 2020 12:03

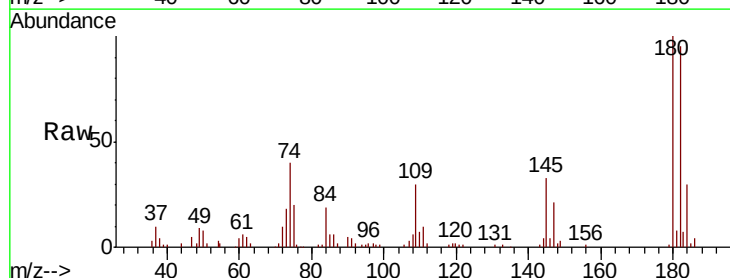
Tgt Ion:180 Resp: 44762

Ion Ratio Lower Upper

180 100

182 97.2 78.0 117.0

145 32.7 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

