

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083120\
 Data File : VU040002.D
 Acq On : 31 Aug 2020 12:13
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB24

Quant Time: Sep 01 01:42:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 31 18:16:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	122218	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118102	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56051	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32123	4.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.20%
7) Chloroethane-d5	1.92	69	28356	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.58	63	85989	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.40%
20) 2-Butanone-d5	4.65	46	136501	51.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.28%
24) Chloroform-d	5.09	84	78941	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.72	65	46680	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.74	84	142560	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.70	67	45964	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.91	98	130233	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
43) trans-1,3-Dichloropropene-	8.19	79	20460	4.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.00%
46) 2-Hexanone-d5	8.64	63	101379	51.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	39360	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	45979	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	62580	5.159	ug/L	98
3) Chloromethane	1.53	50	59650	5.137	ug/L	98
5) Vinyl chloride	1.61	62	61306	5.207	ug/L	98
6) Bromomethane	1.87	94	31466	5.229	ug/L	100
8) Chloroethane	1.94	64	36132	5.107	ug/L	98
9) Trichlorofluoromethane	2.15	101	88019	5.219	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	54107	4.950	ug/L	99
12) 1,1-Dichloroethene	2.59	96	48187	5.095	ug/L	97
13) Acetone	2.66	43	123032	49.794	ug/L	98
14) Carbon disulfide	2.81	76	152938	5.043	ug/L	98
15) Methyl Acetate	2.97	43	29355	4.734	ug/L	97
16) Methylene chloride	3.06	84	57053	4.606	ug/L	98
17) Methyl tert-butyl Ether	3.38	73	143742	5.042	ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	51126	5.025	ug/L	98
19) 1,1-Dichloroethane	3.89	63	103803	4.956	ug/L	98
21) 2-Butanone	4.73	43	200298	49.654	ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	56794	5.191	ug/L	98

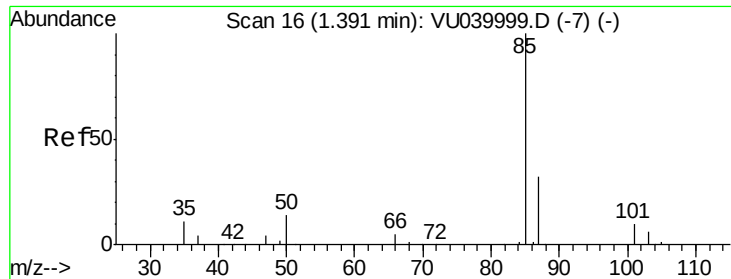
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083120\
 Data File : VU040002.D
 Acq On : 31 Aug 2020 12:13
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB24

Quant Time: Sep 01 01:42:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 31 18:16:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	24479	5.107	ug/L	97
25) Chloroform	5.11	83	107547	5.015	ug/L	99
27) 1,2-Dichloroethane	5.81	62	78356	4.987	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	93551	5.045	ug/L	98
30) Cyclohexane	5.41	56	93562	5.203	ug/L	98
31) Carbon tetrachloride	5.54	117	79242	4.993	ug/L	99
33) Benzene	5.79	78	215694	5.105	ug/L	100
34) Trichloroethene	6.56	95	58727	5.182	ug/L	98
35) Methylcyclohexane	6.77	83	90128	5.194	ug/L	98
37) 1,2-Dichloropropane	6.80	63	59980	5.243	ug/L	100
38) Bromodichloromethane	7.11	83	77730	4.977	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	87247	5.171	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	483036	51.460	ug/L	100
42) Toluene	7.98	91	225671	5.187	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	79621	5.093	ug/L	94
45) 1,1,2-Trichloroethane	8.41	97	42393	5.087	ug/L	98
47) Tetrachloroethene	8.56	164	37724	5.067	ug/L	97
48) 2-Hexanone	8.69	43	352221	51.442	ug/L	99
49) Dibromochloromethane	8.82	129	50627	5.061	ug/L	99
50) 1,2-Dibromoethane	8.93	107	39534	4.920	ug/L	91
51) Chlorobenzene	9.45	112	138624	5.132	ug/L	99
52) Ethylbenzene	9.57	91	253000	5.118	ug/L	99
53) m,p-Xylene	9.70	106	90367	5.134	ug/L	98
54) o-Xylene	10.10	106	88719	5.289	ug/L	100
55) Styrene	10.11	104	154952	5.312	ug/L	100
56) Isopropylbenzene	10.48	105	242875	5.309	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	52738	4.935	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	42289	4.989	ug/L	98
61) Bromoform	10.29	173	26741	5.201	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	105172	5.134	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	107784	5.199	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	102857	5.189	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	10804	5.096	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	75886	5.268	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	65871	5.309	ug/L	98
69) Naphthalene	14.08	128	137113	5.302	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	60620	5.319	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.159 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU040002.D

Acq: 31 Aug 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

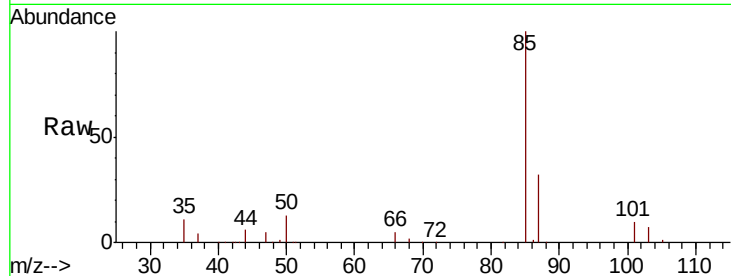
BFB24

Tot Ion: 85 Resp: 62580

Ion Ratio Lower Upper

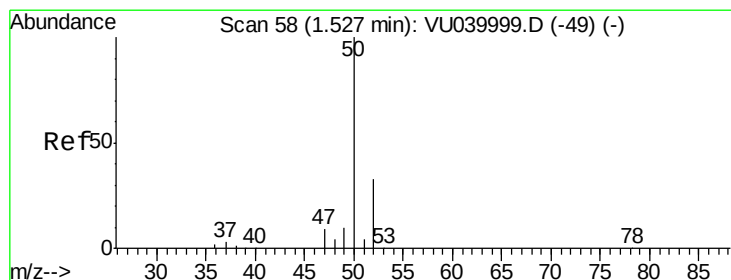
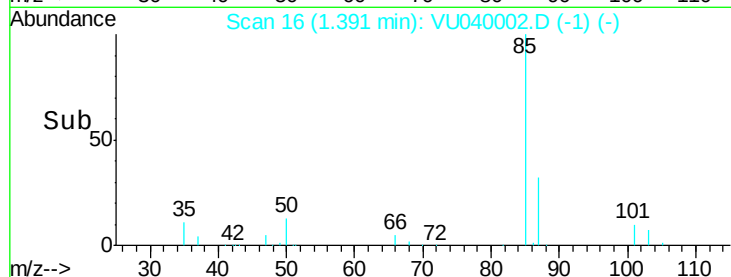
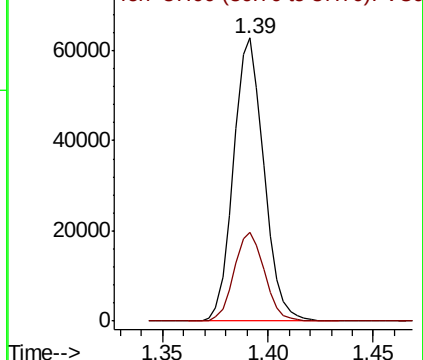
85 100

87 31.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.137 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU040002.D

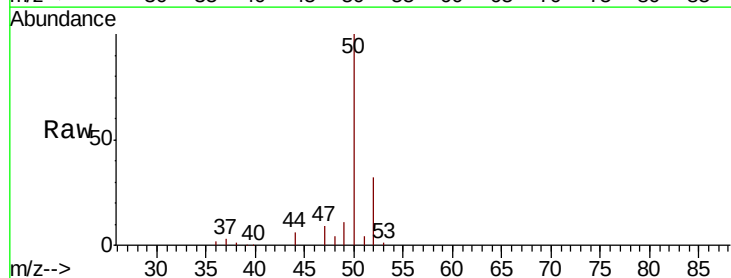
Acq: 31 Aug 2020 12:13

Tgt Ion: 50 Resp: 59650

Ion Ratio Lower Upper

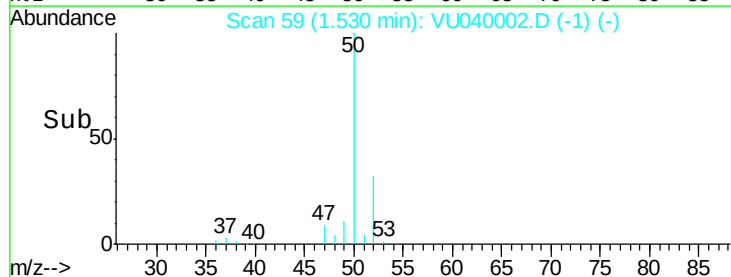
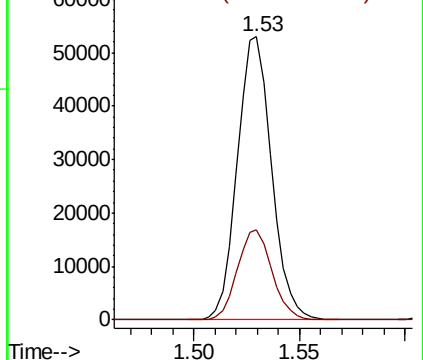
50 100

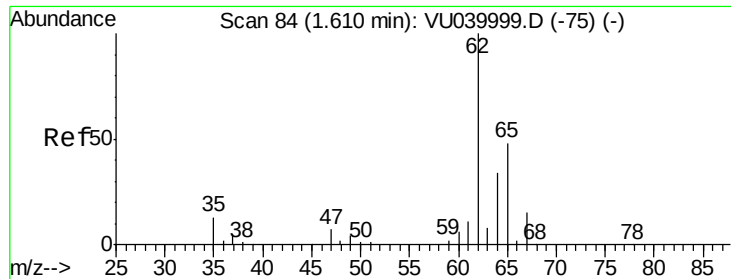
52 31.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.207 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040002.D

Acq: 31 Aug 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

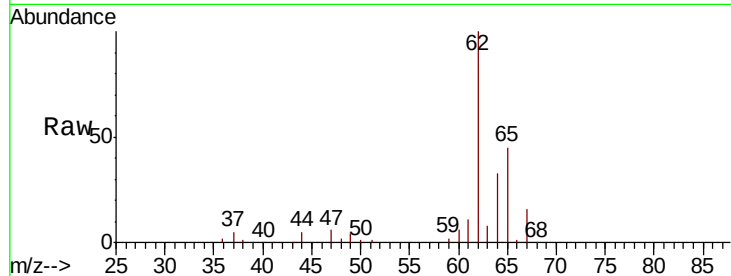
BFB24

Tot Ion: 62 Resp: 61306

Ion Ratio Lower Upper

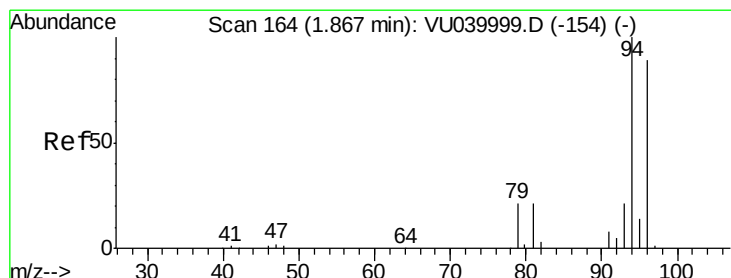
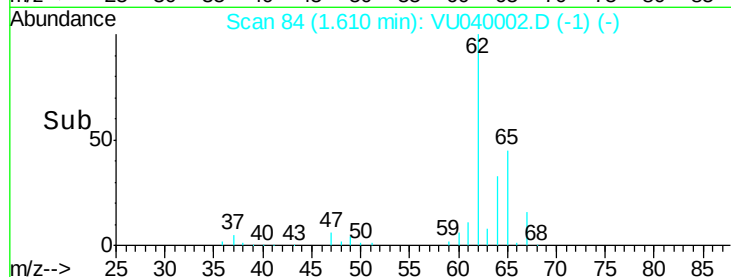
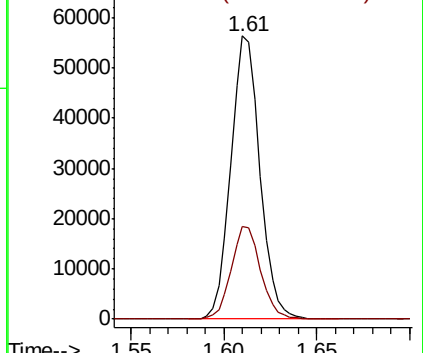
62 100

64 32.8 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.229 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040002.D

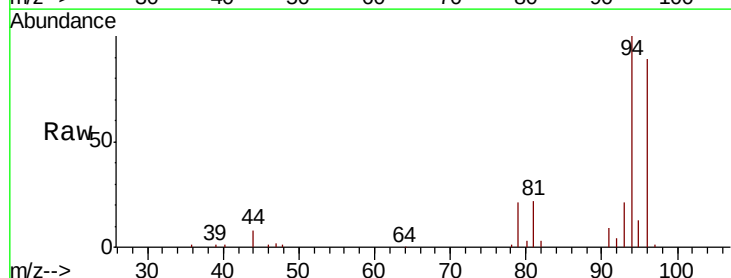
Acq: 31 Aug 2020 12:13

Tgt Ion: 94 Resp: 31466

Ion Ratio Lower Upper

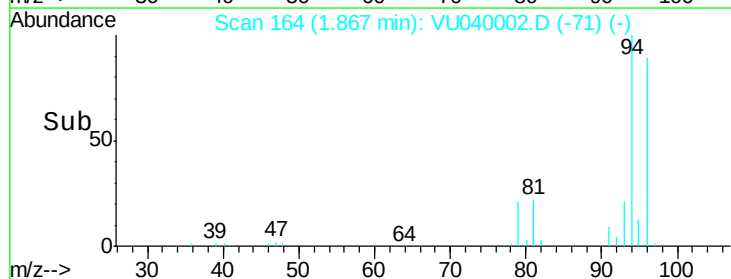
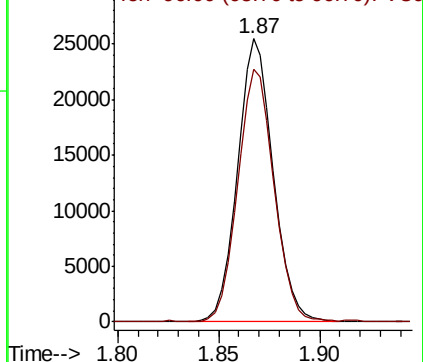
94 100

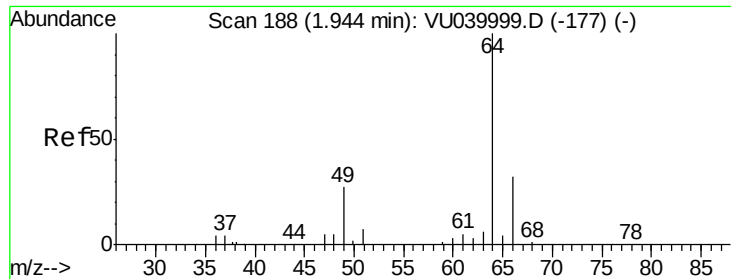
96 89.3 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

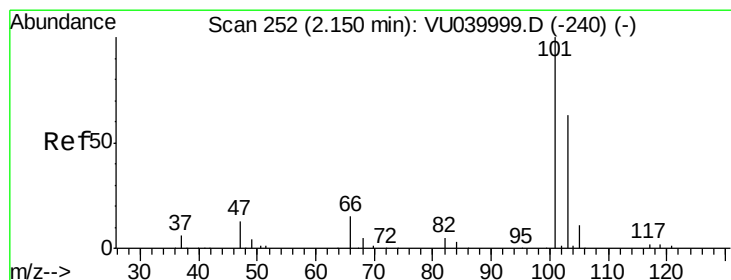
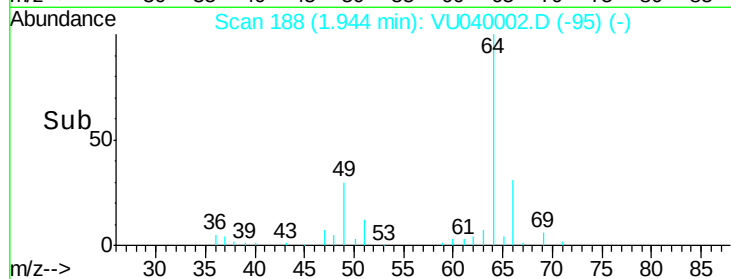
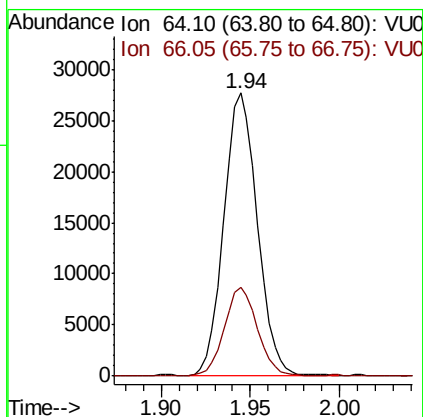
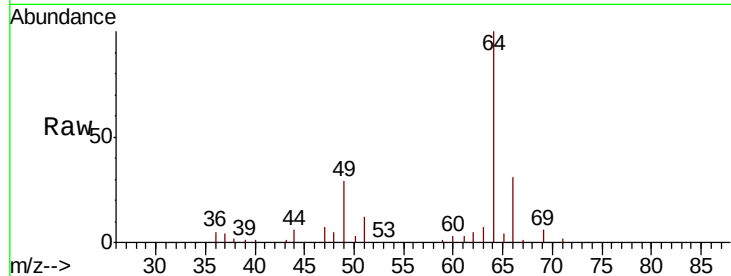




#8
Chloroethane
Concen: 5.107 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU040002.D
Acq: 31 Aug 2020 12:13

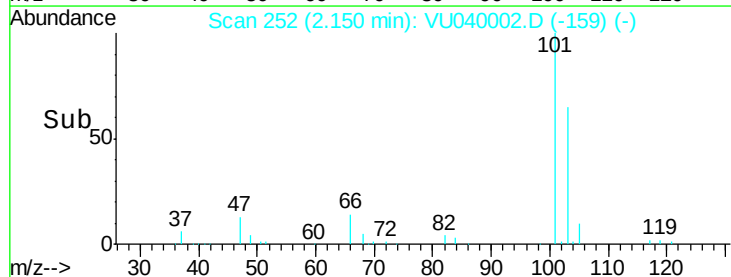
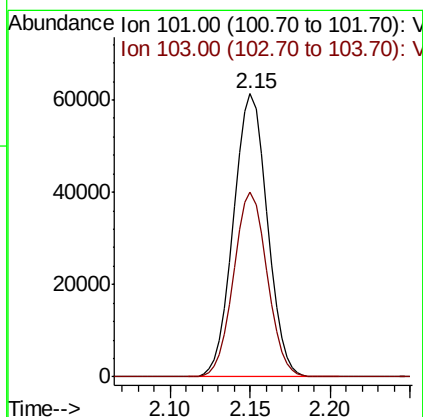
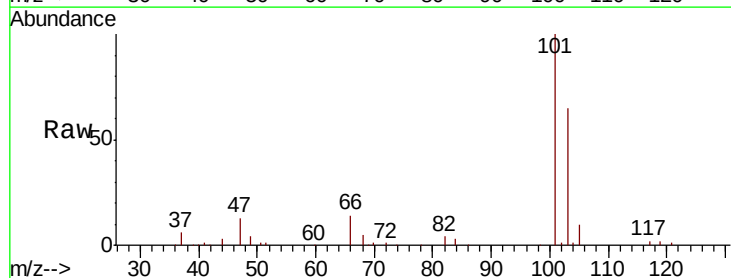
Instrument :
MSVOA_U
ClientSampleId :
BFB24

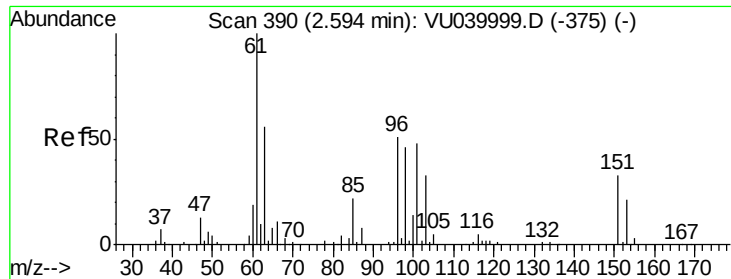
Tot Ion: 64 Resp: 36132
Ion Ratio Lower Upper
64 100
66 31.2 22.7 42.1



#9
Trichlorofluoromethane
Concen: 5.219 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU040002.D
Acq: 31 Aug 2020 12:13

Tgt Ion:101 Resp: 88019
Ion Ratio Lower Upper
101 100
103 64.6 51.3 76.9





#10

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

Concen: 4.950 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU040002.D

Acq: 31 Aug 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

BFB24

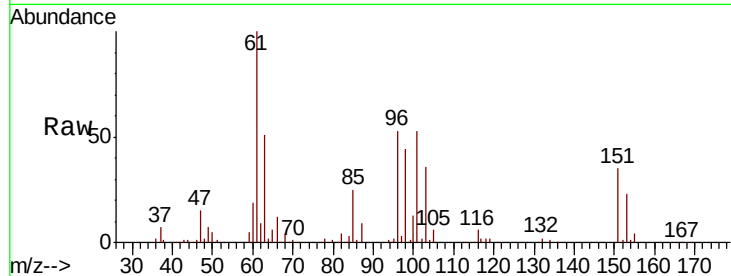
Tot Ion:101 Resp: 54107

Ion Ratio Lower Upper

101 100

85 48.2 37.7 56.5

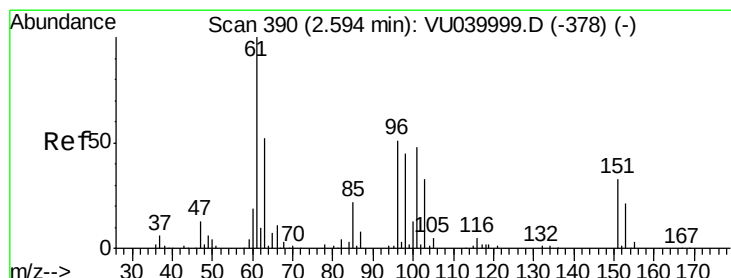
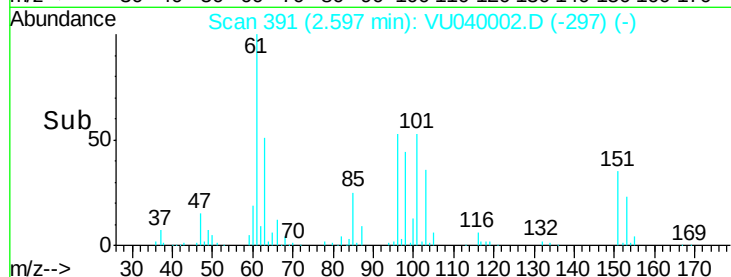
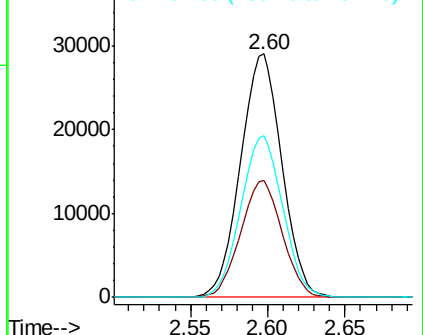
151 67.2 53.9 80.9



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: 5.095 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040002.D

Acq: 31 Aug 2020 12:13

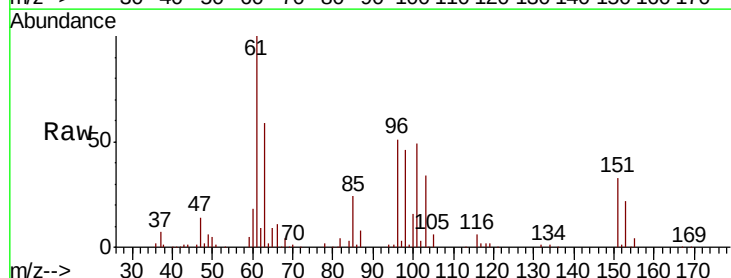
Tgt Ion: 96 Resp: 48187

Ion Ratio Lower Upper

96 100

61 195.6 138.3 256.8

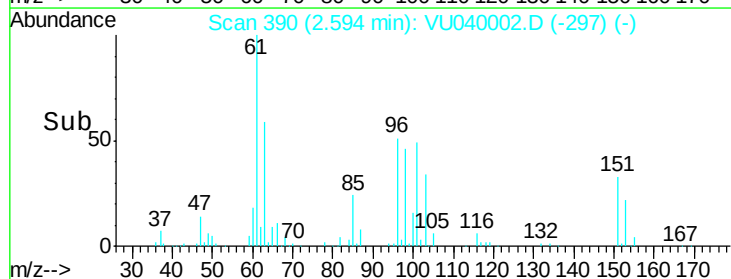
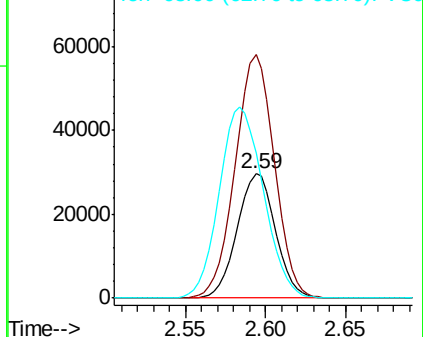
63 116.3 77.6 144.2

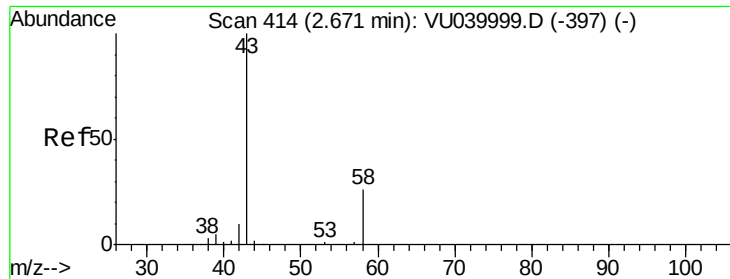


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.794 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU040002.D

Acq: 31 Aug 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

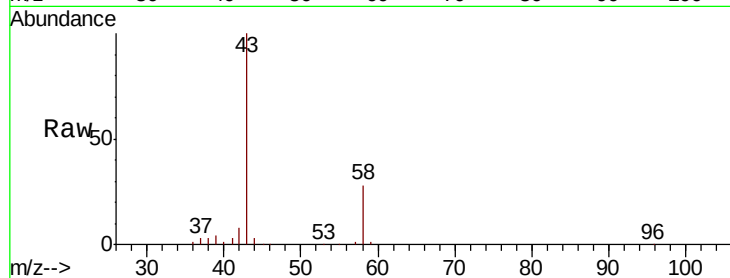
BFB24

Tot Ion: 43 Resp: 123032

Ion Ratio Lower Upper

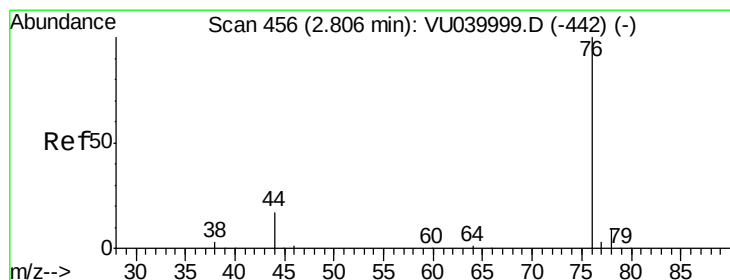
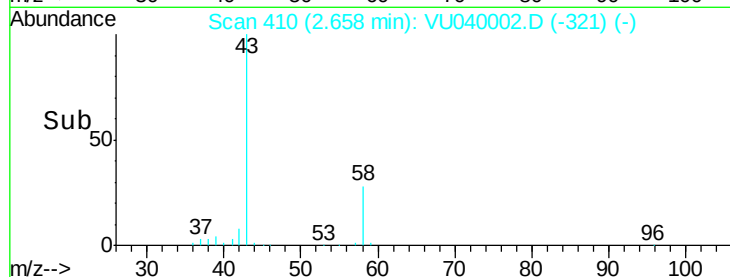
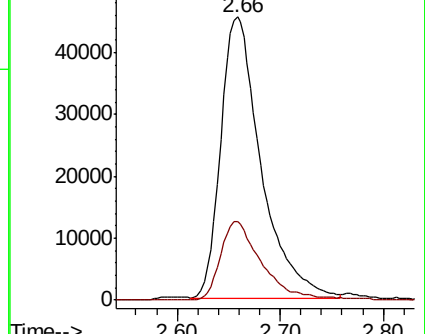
43 100

58 28.8 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 5.043 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040002.D

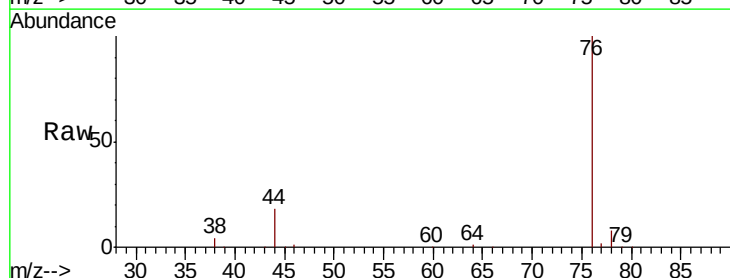
Acq: 31 Aug 2020 12:13

Tgt Ion: 76 Resp: 152938

Ion Ratio Lower Upper

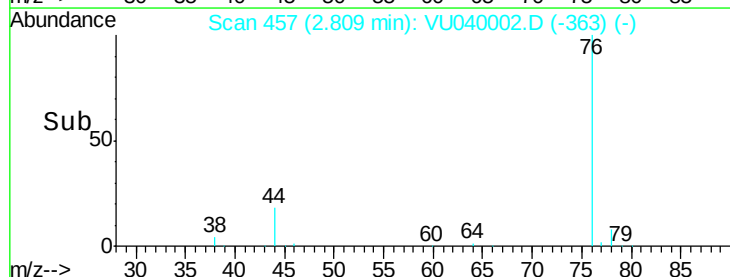
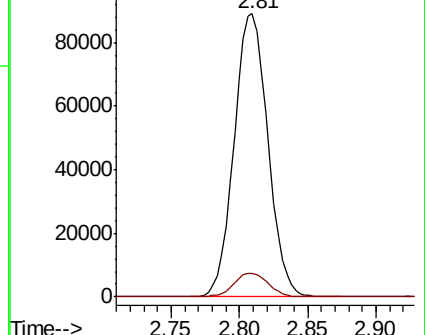
76 100

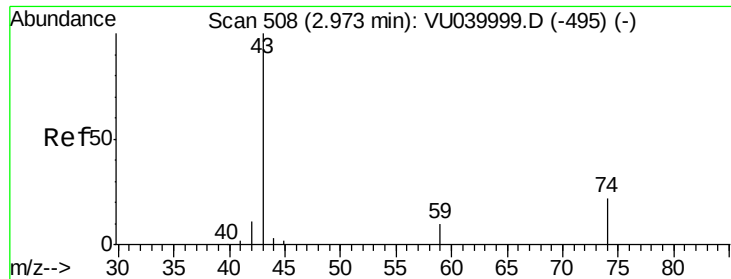
78 8.3 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

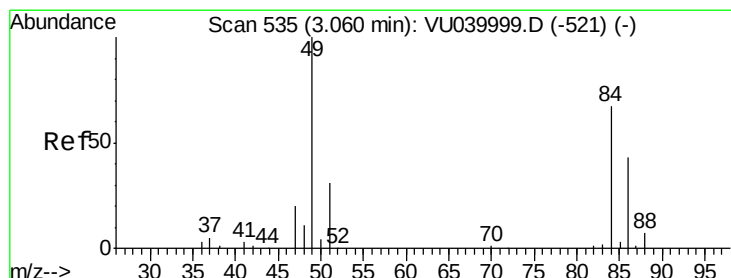
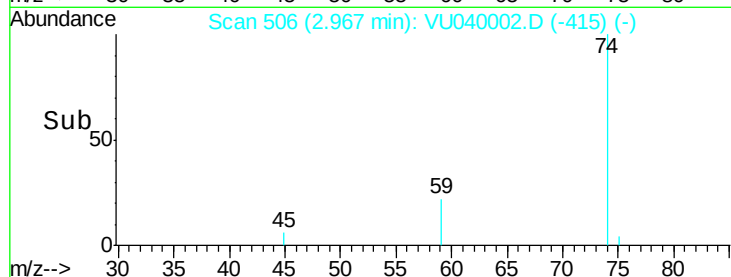
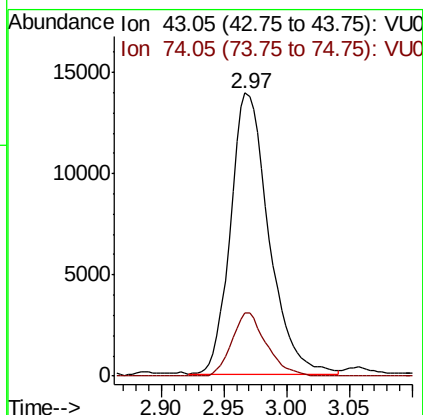
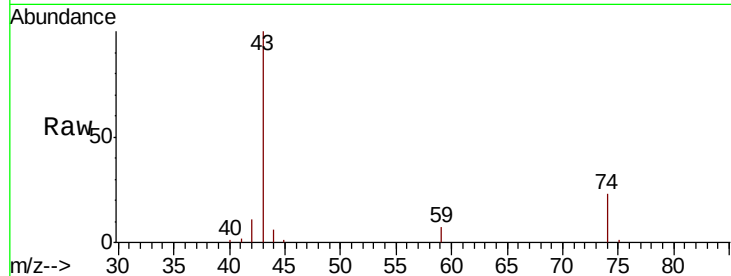




#15
Methvl Acetate
Concen: 4.734 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.01 min
Lab File: VU040002.D
Acq: 31 Aug 2020 12:13

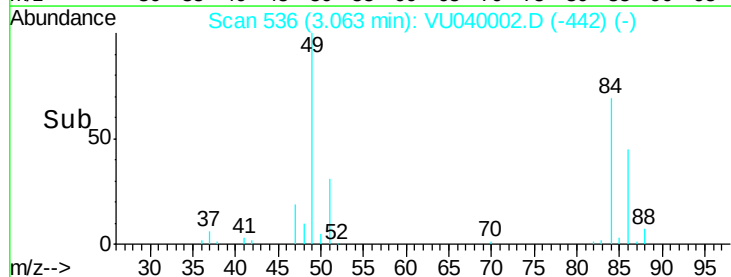
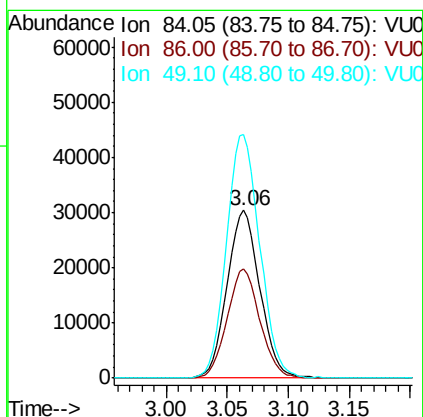
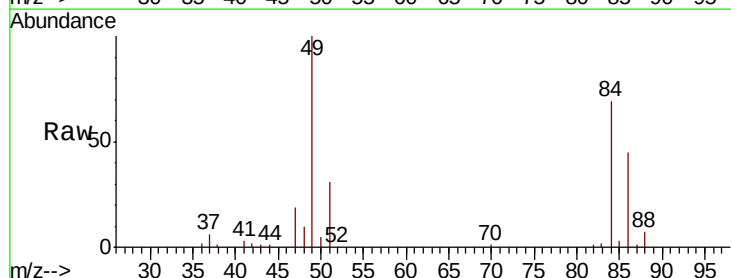
Instrument :
MSVOA_U
ClientSampleId :
BFB24

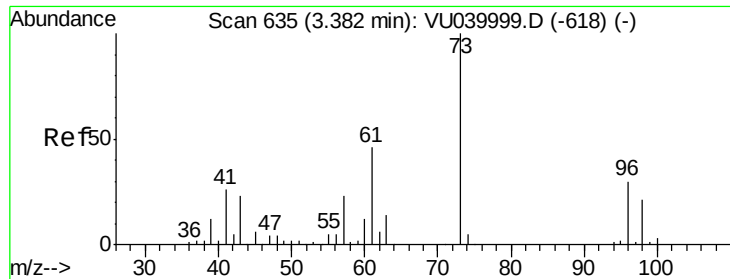
Tot Ion: 43 Resp: 29355
Ion Ratio Lower Upper
43 100
74 20.4 17.4 26.0



#16
Methylene chloride
Concen: 4.606 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040002.D
Acq: 31 Aug 2020 12:13

Tgt Ion: 84 Resp: 57053
Ion Ratio Lower Upper
84 100
86 65.0 45.2 84.0
49 145.0 104.0 193.2

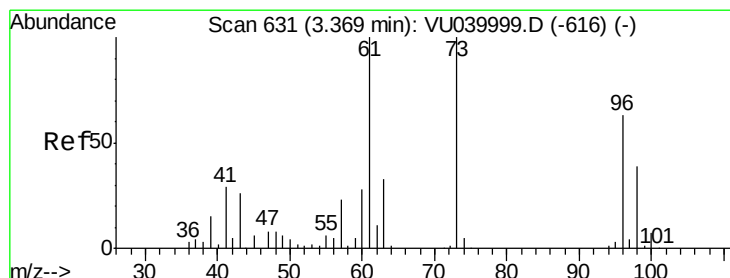
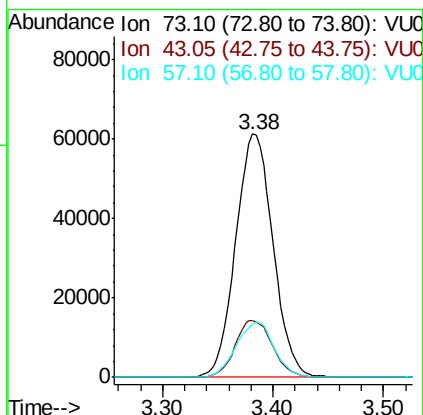
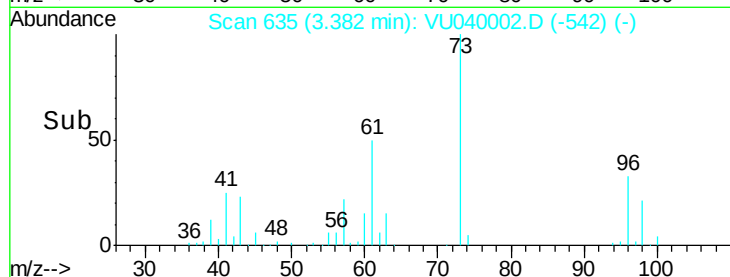
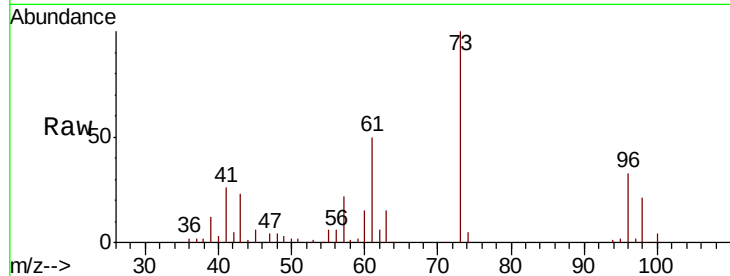




#17
Methyl tert-butyl Ether
Concen: 5.042 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU040002.D
Acq: 31 Aug 2020 12:13

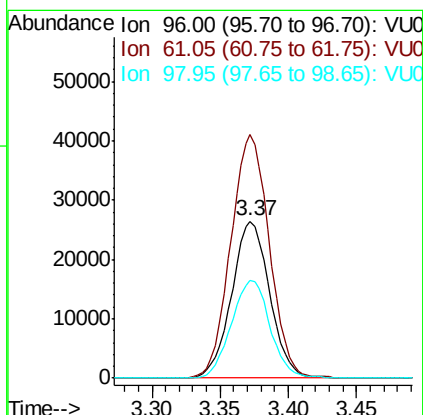
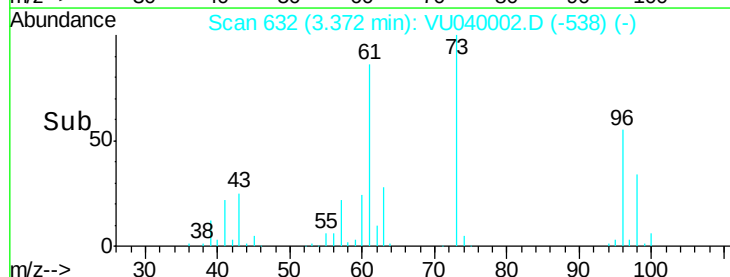
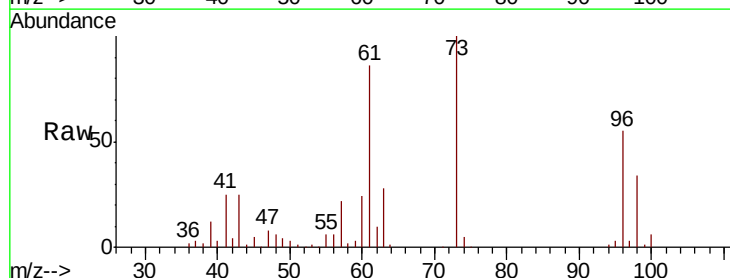
Instrument :
MSVOA_U
ClientSampleID :
BFB24

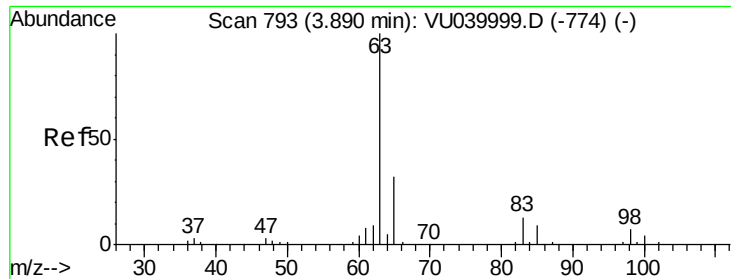
Tot Ion: 73 Resp: 143742
Ion Ratio Lower Upper
73 100
43 23.6 19.1 28.7
57 22.9 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 5.025 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040002.D
Acq: 31 Aug 2020 12:13

Tgt Ion: 96 Resp: 51126
Ion Ratio Lower Upper
96 100
61 155.1 110.5 205.3
98 62.2 43.2 80.2

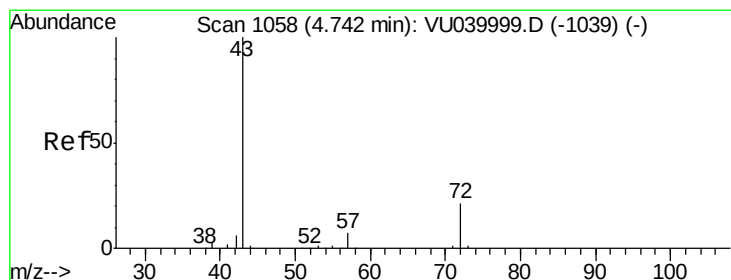
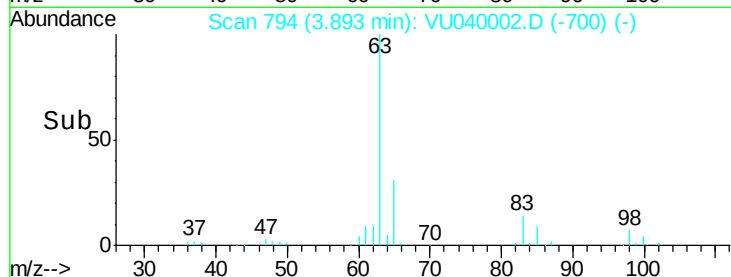
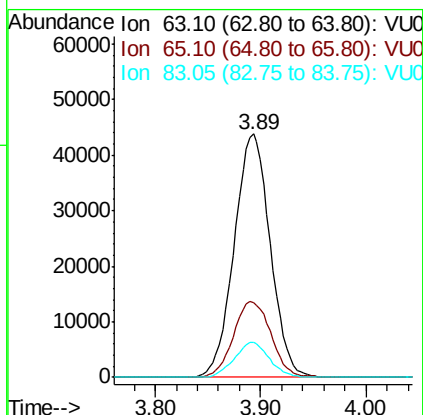
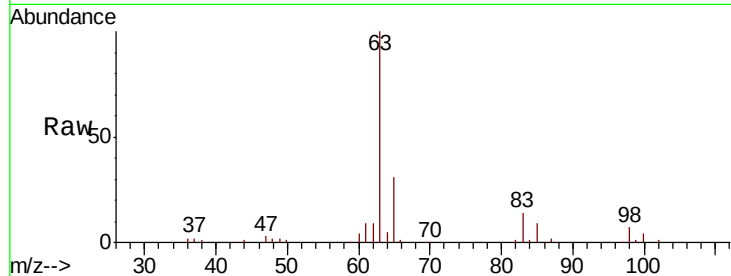




#19
 1,1-Dichloroethane
 Concen: 4.956 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

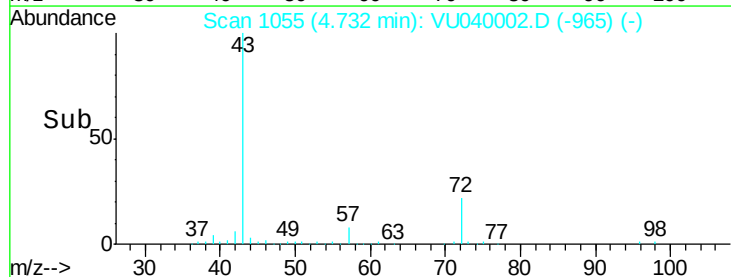
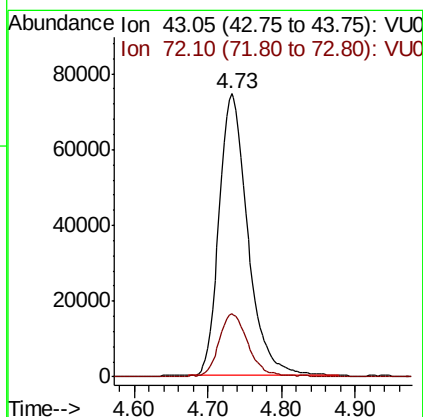
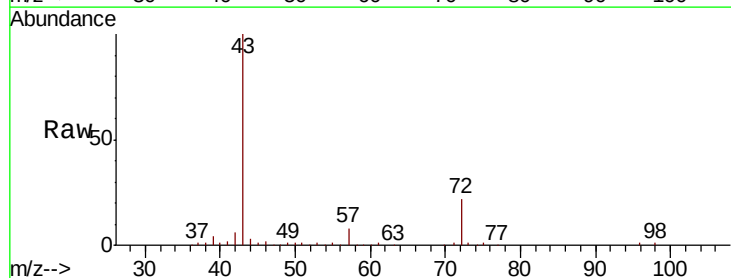
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB24

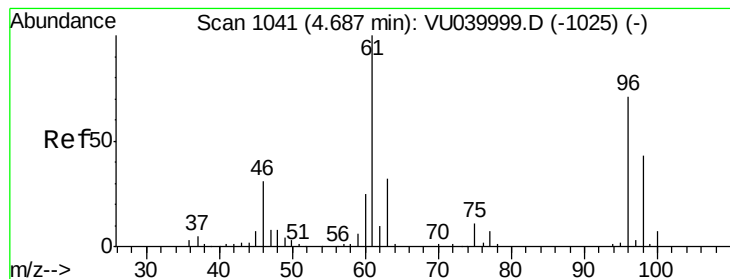
Tot Ion: 63 Resp: 103803
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.2 41.2
 83 14.5 9.4 17.6



#21
 2-Butanone
 Concen: 49.654 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

Tgt Ion: 43 Resp: 200298
 Ion Ratio Lower Upper
 43 100
 72 21.9 11.7 35.0





#22

cis-1,2-Dichloroethene

Concen: 5.191 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU040002.D

Acq: 31 Aug 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

BFB24

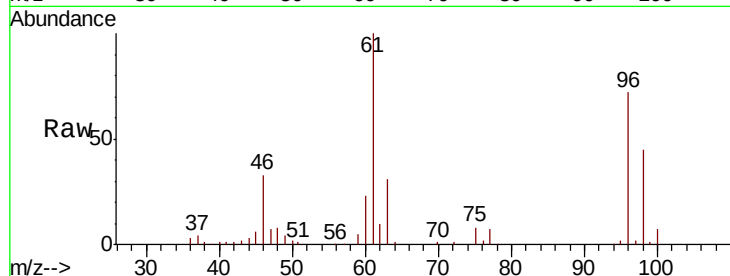
Tot Ion: 96 Resp: 56794

Ion Ratio Lower Upper

96 100

61 139.0 98.8 183.4

68 0.0 0.0 0.0

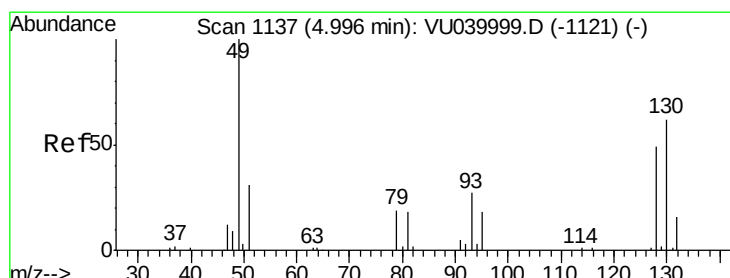
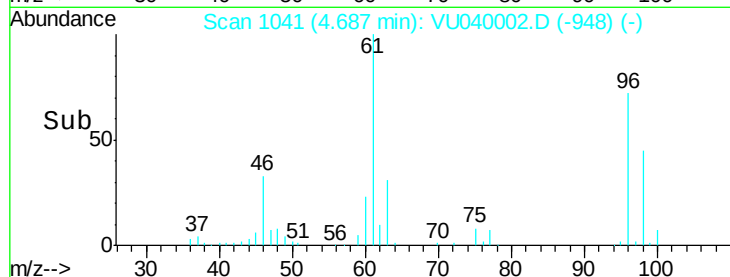
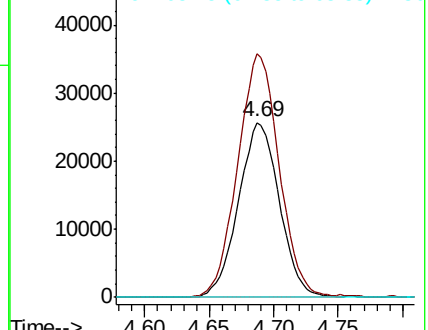


Abundance

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: 5.107 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VU040002.D

Acq: 31 Aug 2020 12:13

Tgt Ion: 128 Resp: 24479

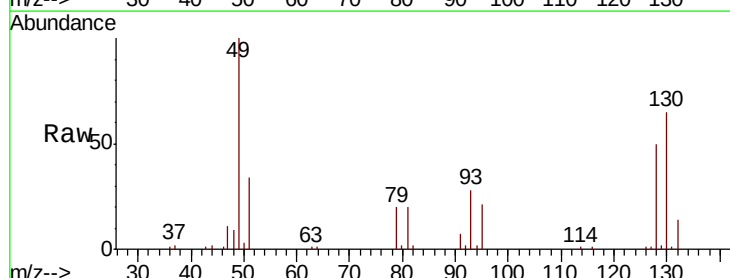
Ion Ratio Lower Upper

128 100

49 199.4 143.4 266.4

130 130.4 89.5 166.3

51 67.3 51.0 76.4



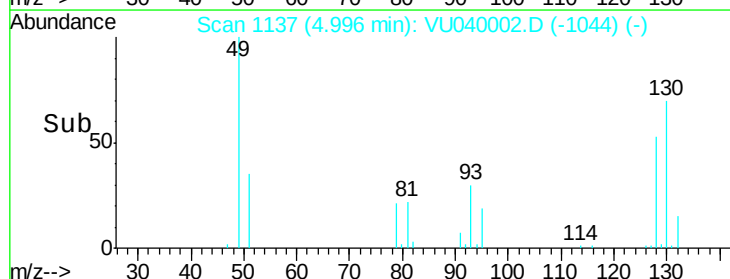
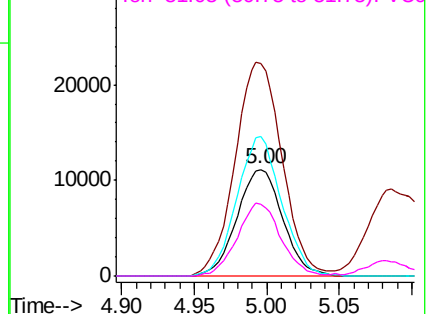
Abundance

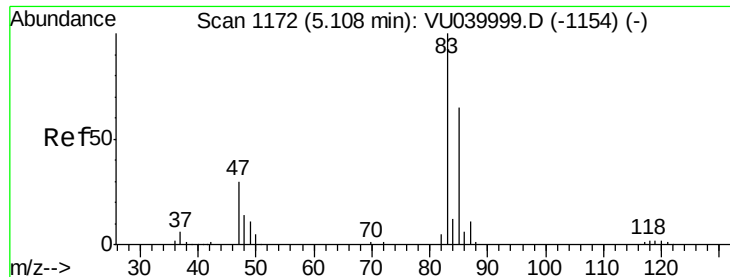
Ion 127.90 (127.60 to 128.60): V

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

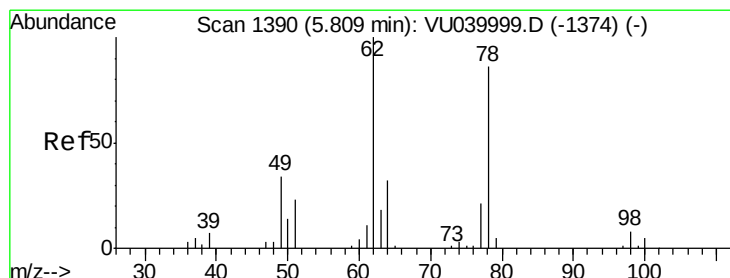
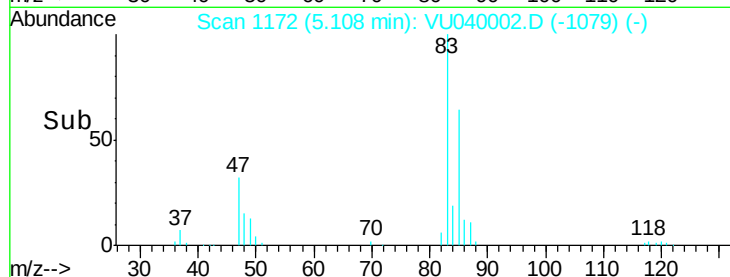
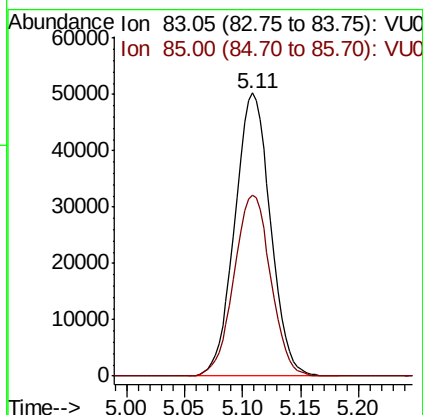
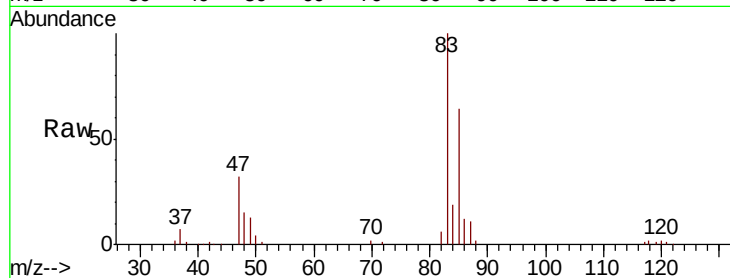




#25
Chloroform
Concen: 5.015 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU040002.D
Acq: 31 Aug 2020 12:13

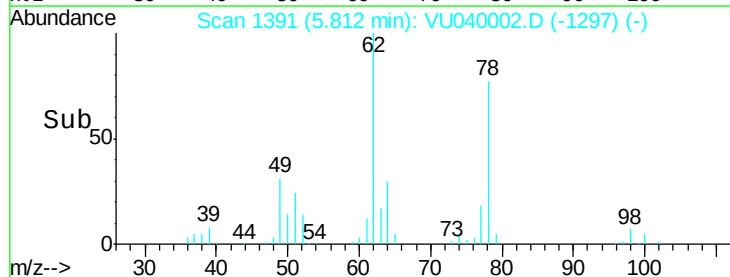
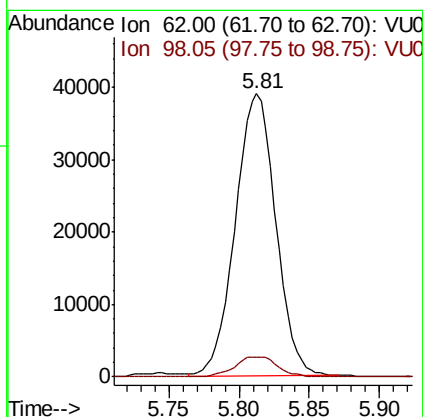
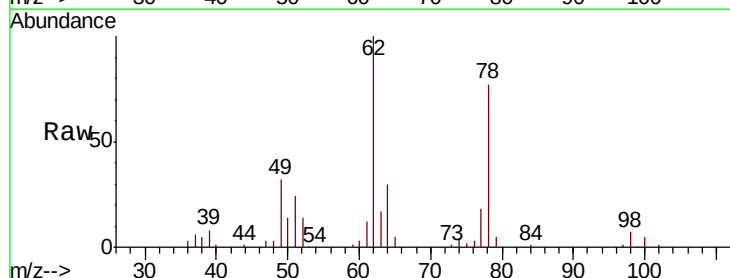
Instrument :
MSVOA_U
ClientSampled :
BFB24

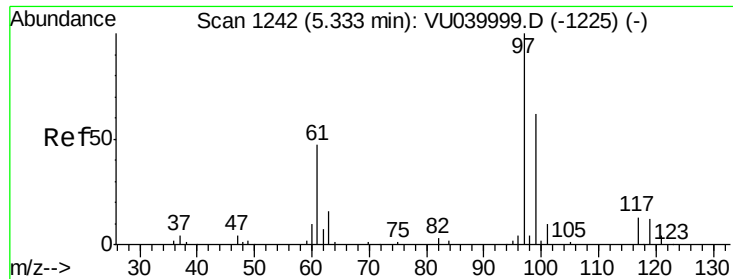
Tot Ion: 83 Resp: 107547
Ion Ratio Lower Upper
83 100
85 63.9 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.987 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040002.D
Acq: 31 Aug 2020 12:13

Tgt Ion: 62 Resp: 78356
Ion Ratio Lower Upper
62 100
98 7.1 6.1 9.1

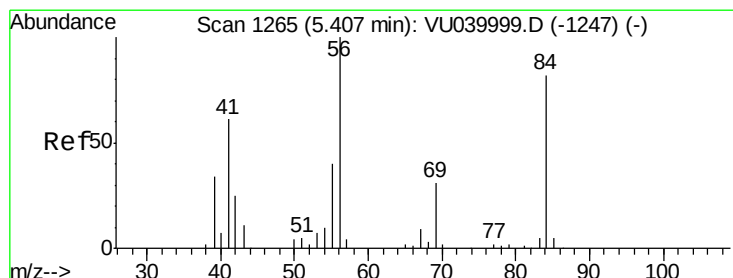
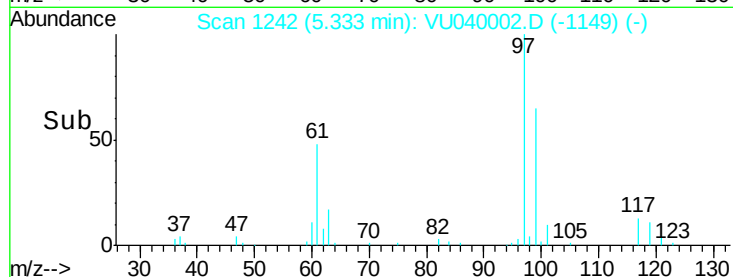
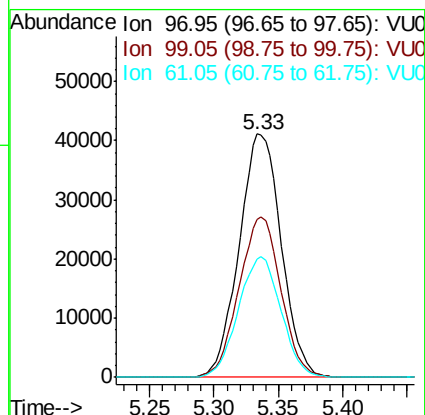
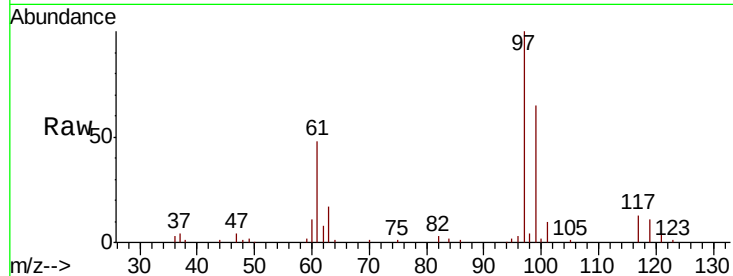




#29
1,1,1-Trichloroethane
Concen: 5.045 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VU040002.D
Acq: 31 Aug 2020 12:13

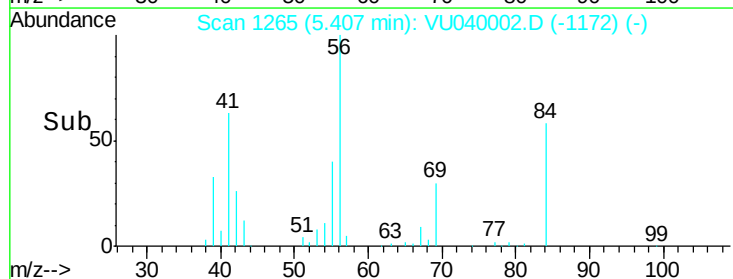
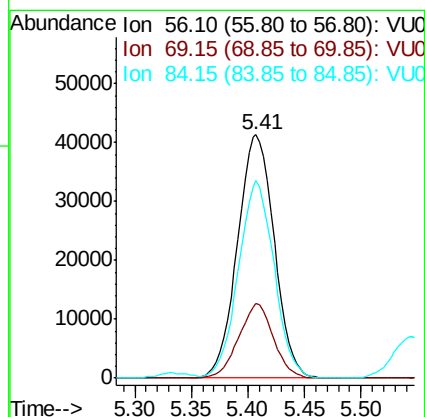
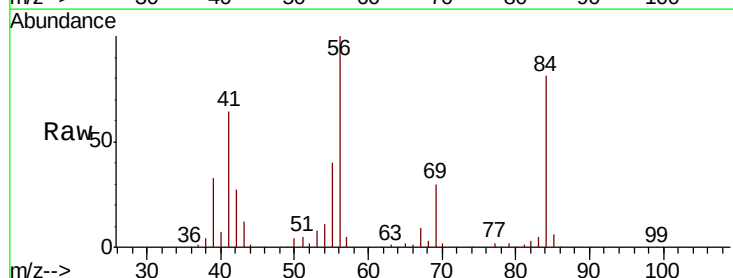
Instrument :
MSVOA_U
ClientSampleId :
BFB24

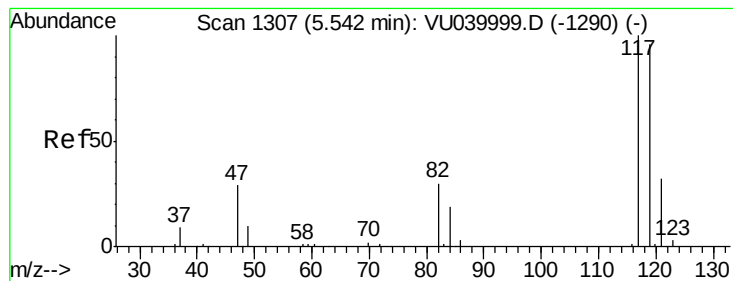
Tot Ion: 97 Resp: 93551
Ion Ratio Lower Upper
97 100
99 65.5 50.9 76.3
61 50.0 39.5 59.3



#30
Cyclohexane
Concen: 5.203 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VU040002.D
Acq: 31 Aug 2020 12:13

Tgt Ion: 56 Resp: 93562
Ion Ratio Lower Upper
56 100
69 28.9 24.1 36.1
84 78.9 65.0 97.4





#31

Carbon tetrachloride

Concen: 4.993 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU040002.D

Acq: 31 Aug 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

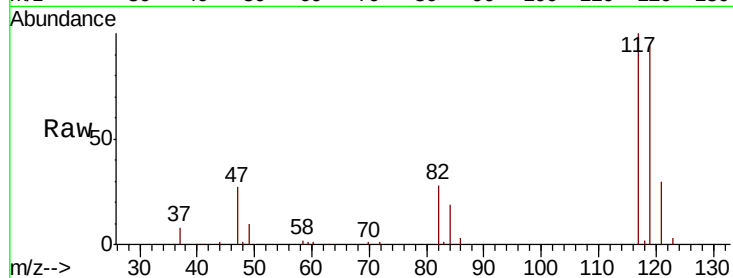
BFB24

Tot Ion:117 Resp: 79242

Ion Ratio Lower Upper

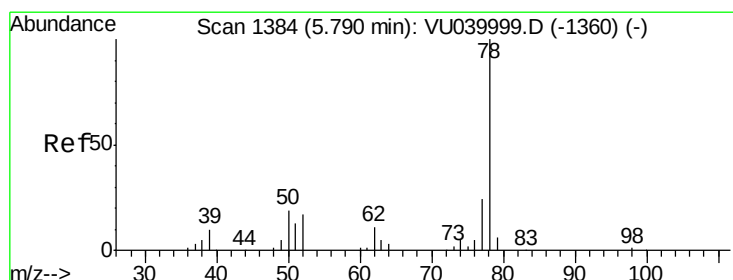
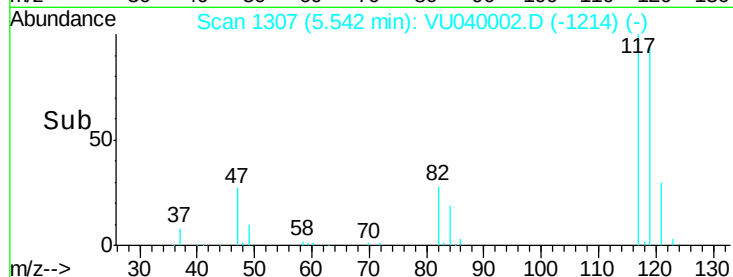
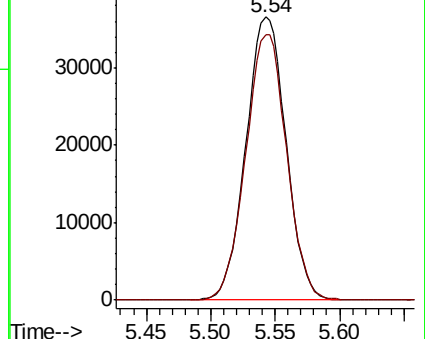
117 100

119 95.7 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.105 ug/L

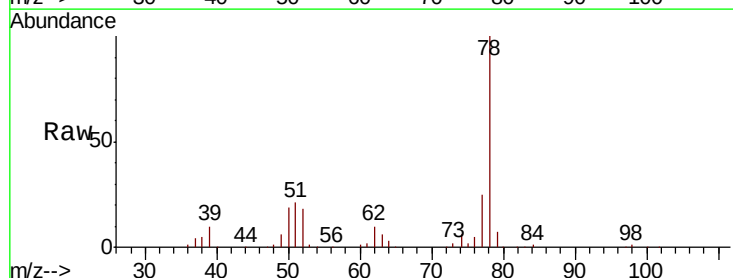
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

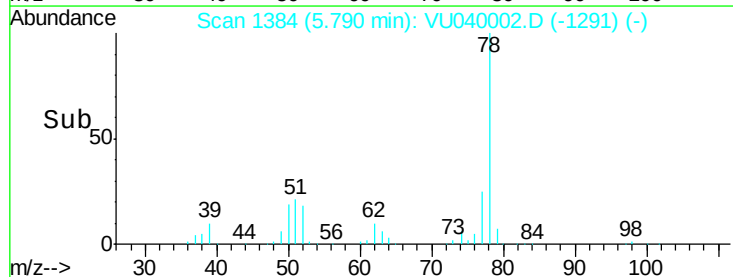
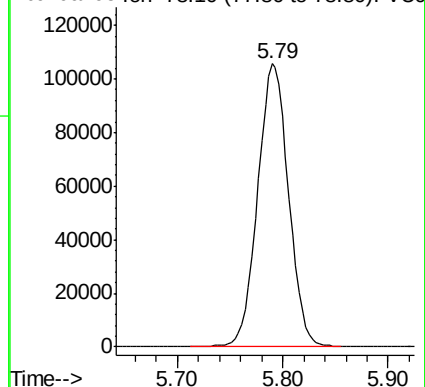
Lab File: VU040002.D

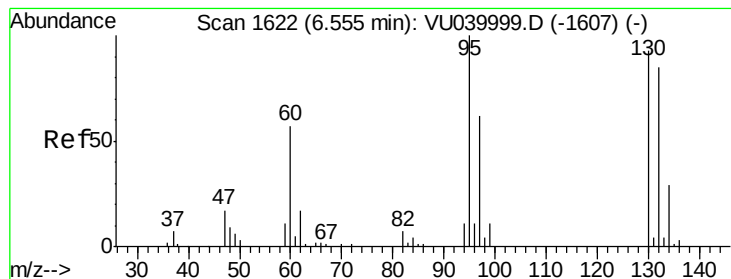
Acq: 31 Aug 2020 12:13

Tgt Ion: 78 Resp: 215694



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.182 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU040002.D

Acq: 31 Aug 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

BFB24

Tot Ion: 95 Resp: 58727

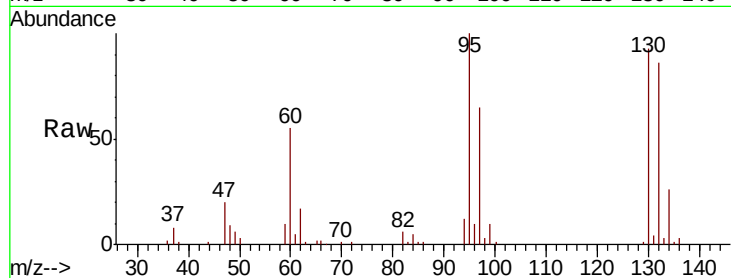
Ion Ratio Lower Upper

95 100

97 64.8 43.3 80.5

132 86.1 59.4 110.4

130 92.9 64.8 120.4

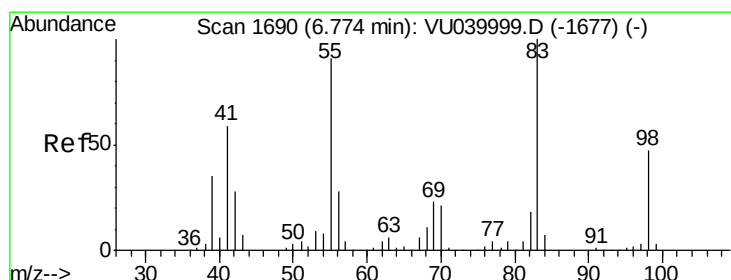
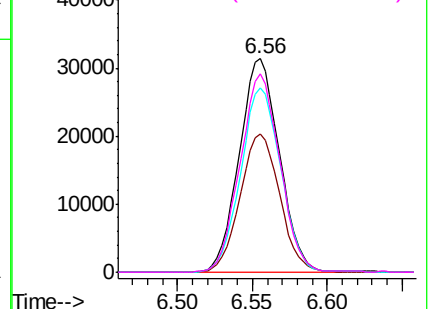
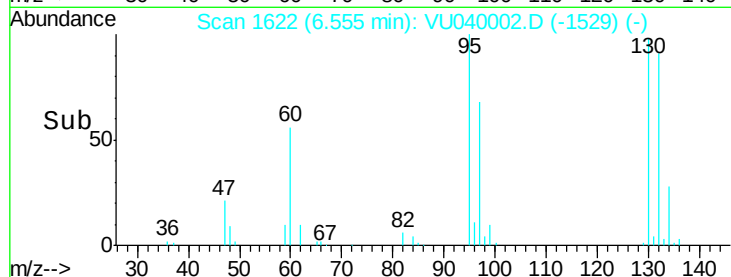


Abundance Ion 95.00 (94.70 to 95.70): VU040002.D (-1529) (-)

Ion 96.95 (96.65 to 97.65): VU040002.D (-1529) (-)

Ion 131.95 (131.65 to 132.65): VU040002.D (-1529) (-)

Ion 129.95 (129.65 to 130.65): VU040002.D (-1529) (-)



#35

Methylcyclohexane

Concen: 5.194 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU040002.D

Acq: 31 Aug 2020 12:13

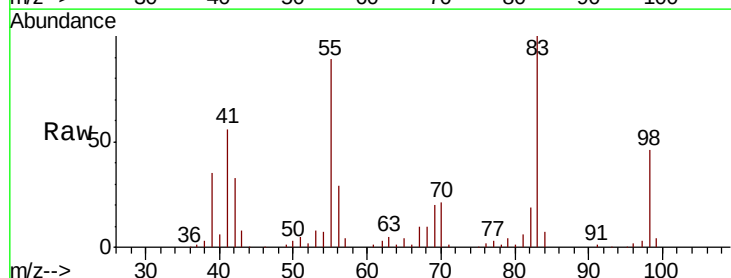
Tgt Ion: 83 Resp: 90128

Ion Ratio Lower Upper

83 100

55 86.1 70.5 105.7

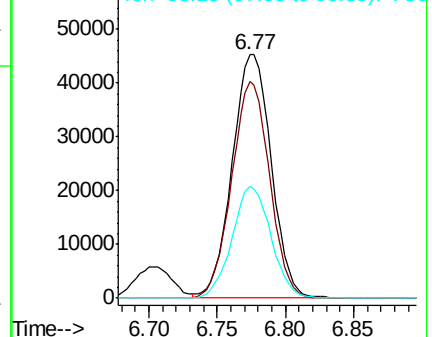
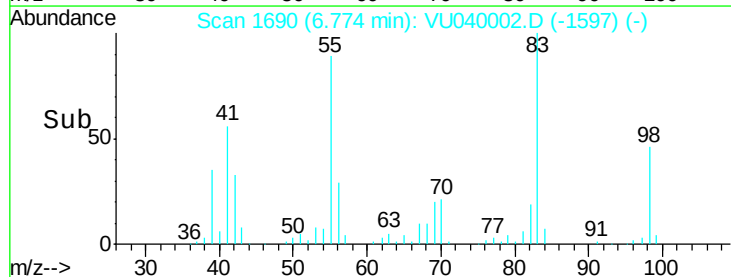
98 45.4 37.8 56.6

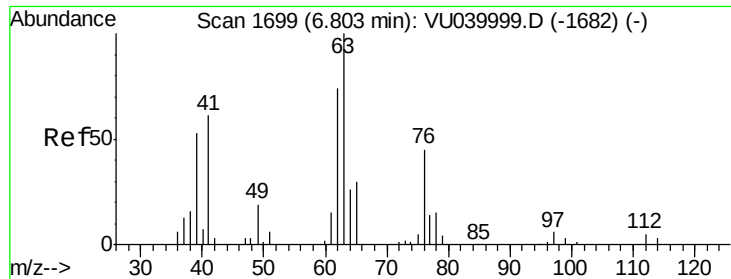


Abundance Ion 83.15 (82.85 to 83.85): VU040002.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU040002.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU040002.D (-1597) (-)

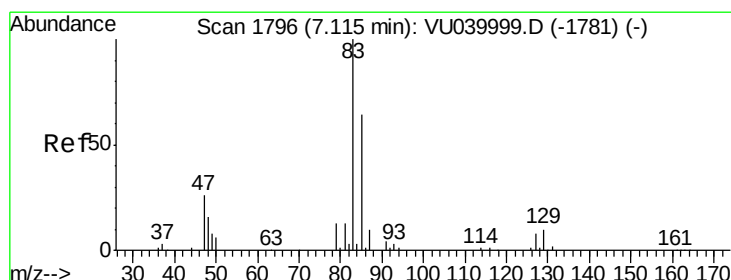
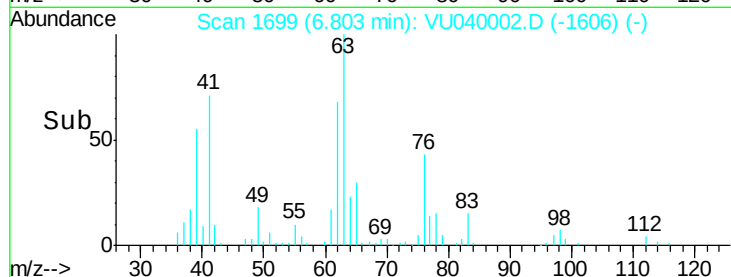
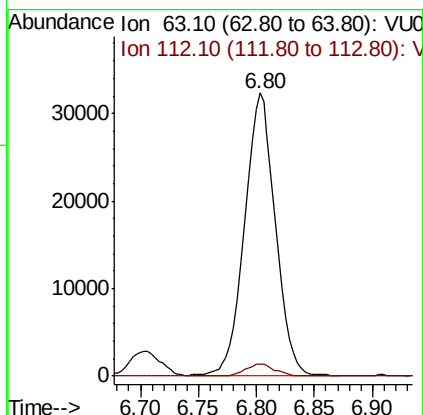
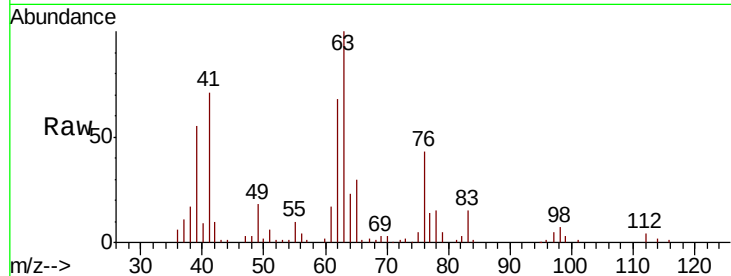




#37
 1,2-Dichloropropane
 Concen: 5.243 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

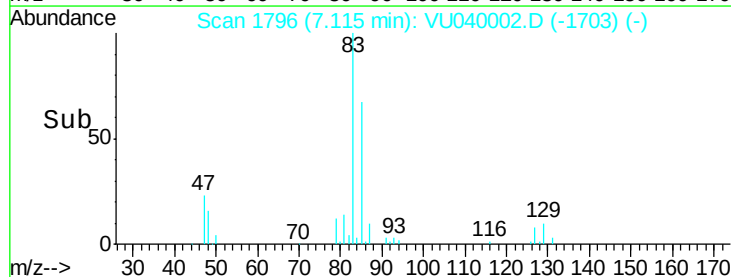
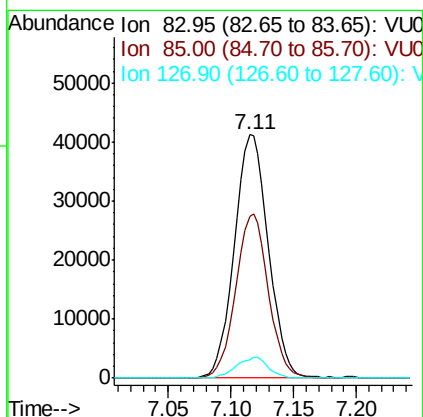
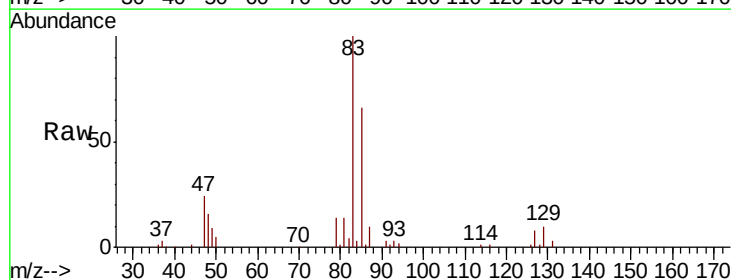
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB24

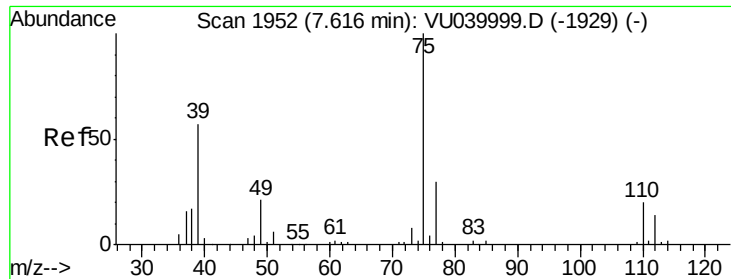
Tot Ion: 63 Resp: 59980
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#38
 Bromodichloromethane
 Concen: 4.977 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

Tgt Ion: 83 Resp: 77730
 Ion Ratio Lower Upper
 83 100
 85 66.2 45.1 83.9
 127 7.7 6.7 10.1

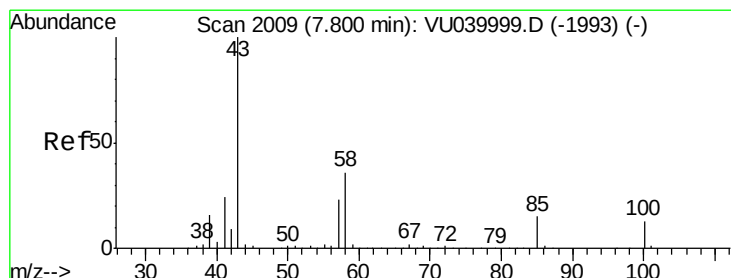
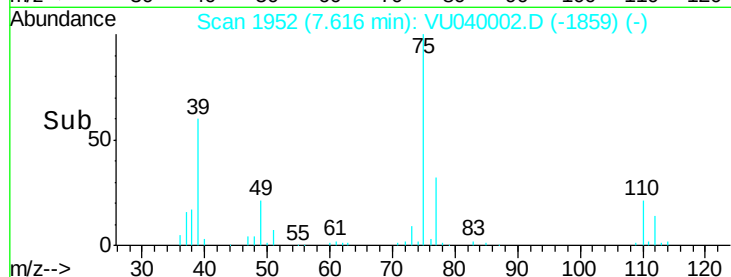
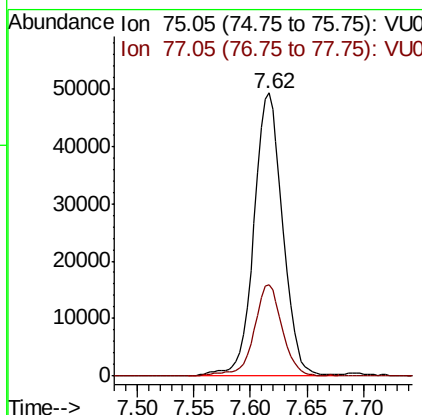
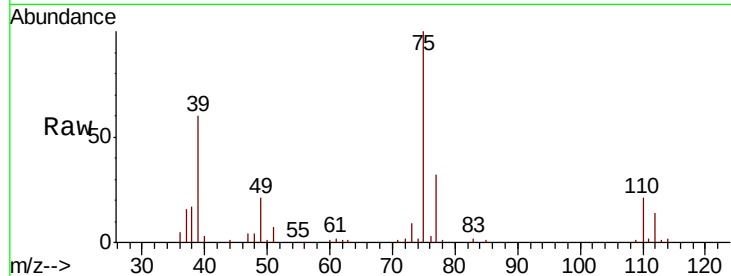




#39
 cis-1,3-Dichloropropene
 Concen: 5.171 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

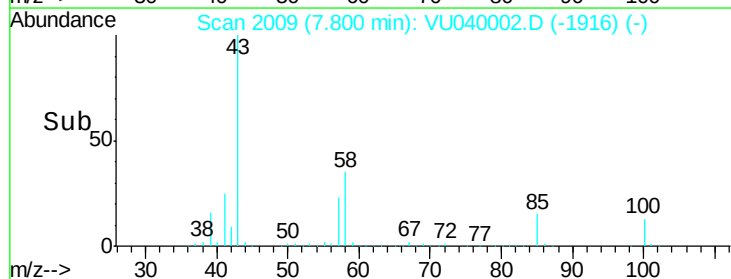
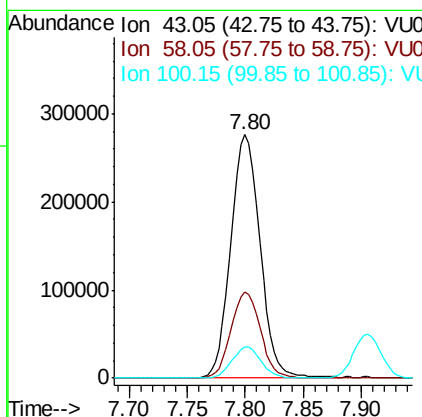
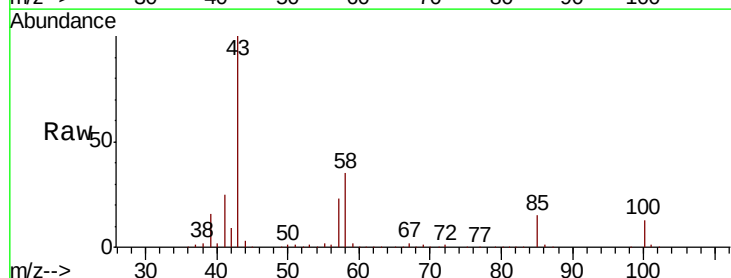
Instrument :
 MSVOA_U
 ClientSampled :
 BFB24

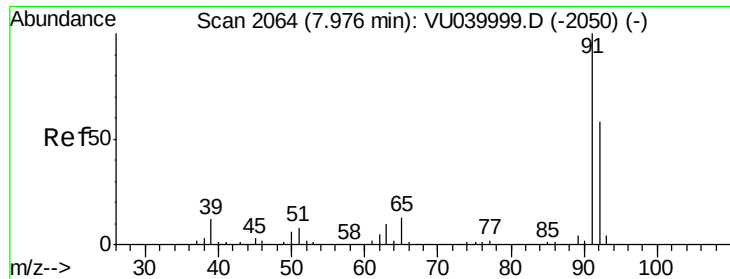
Tot Ion: 75 Resp: 87247
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 51.460 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

Tgt Ion: 43 Resp: 483036
 Ion Ratio Lower Upper
 43 100
 58 35.6 28.7 43.1
 100 12.7 10.2 15.2





#42

Toluene

Concen: 5.187 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040002.D

Acq: 31 Aug 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

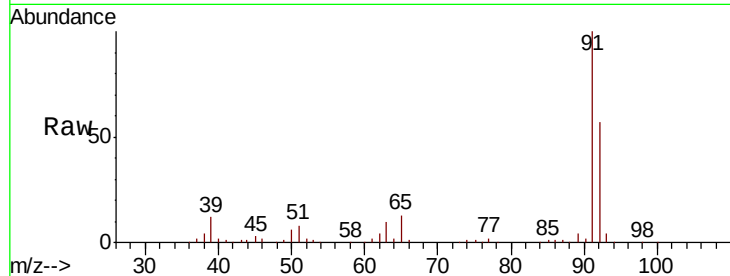
BFB24

Tot Ion: 91 Resp: 225671

Ion Ratio Lower Upper

91 100

92 57.2 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

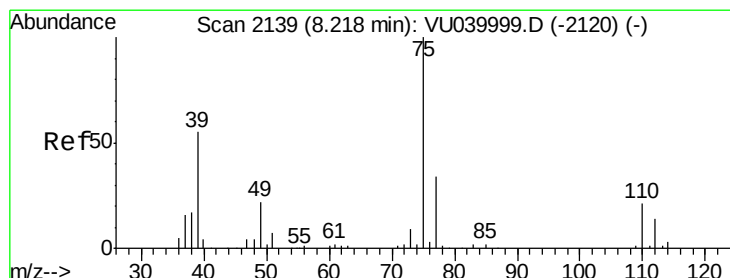
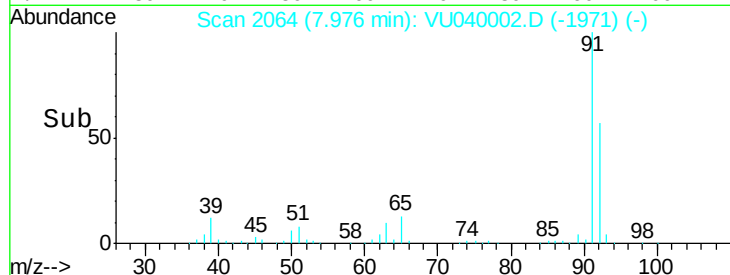
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.093 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040002.D

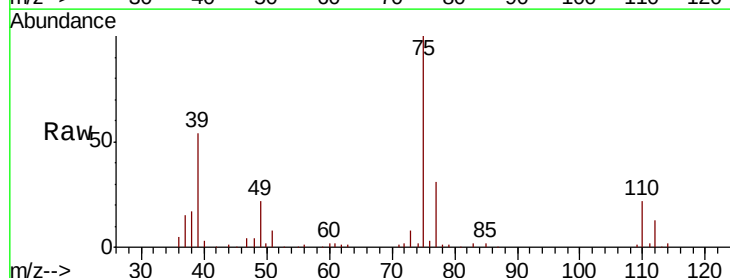
Acq: 31 Aug 2020 12:13

Tgt Ion: 75 Resp: 79621

Ion Ratio Lower Upper

75 100

77 30.9 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.22

50000

40000

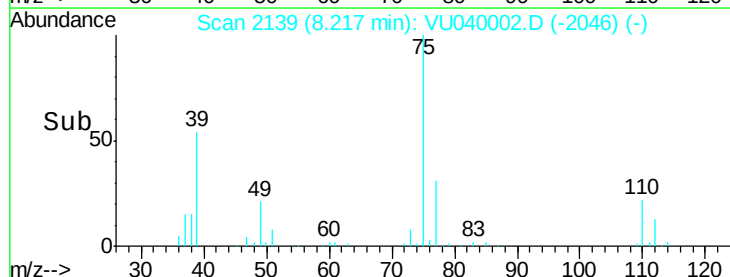
30000

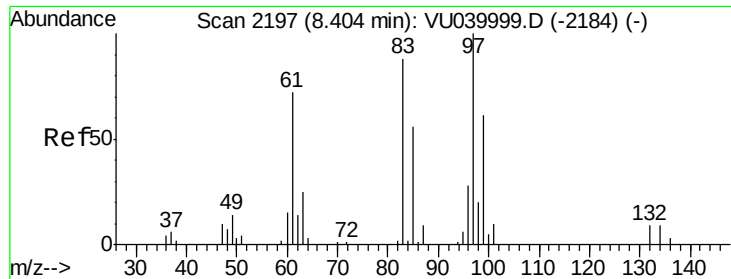
20000

10000

0

Time-->

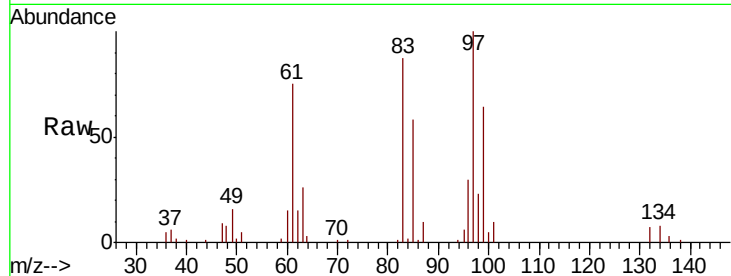




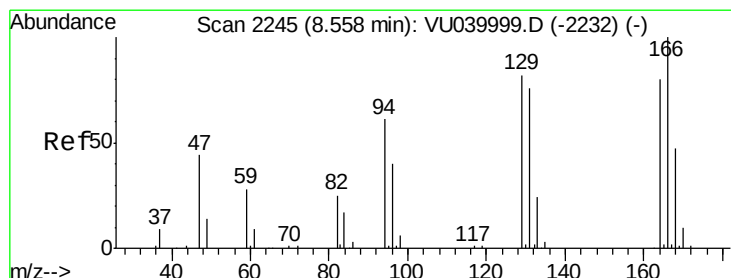
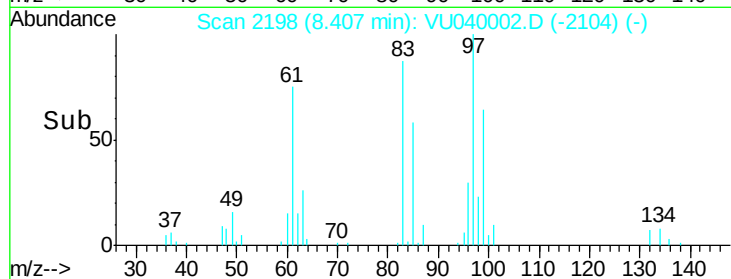
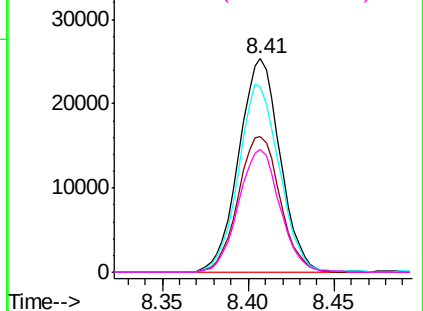
#45
 1,1,2-Trichloroethane
 Concen: 5.087 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB24

Tot Ion:	97	Resp:	42393
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.0	79.8
83	87.0	61.7	114.7
85	57.8	39.3	73.1

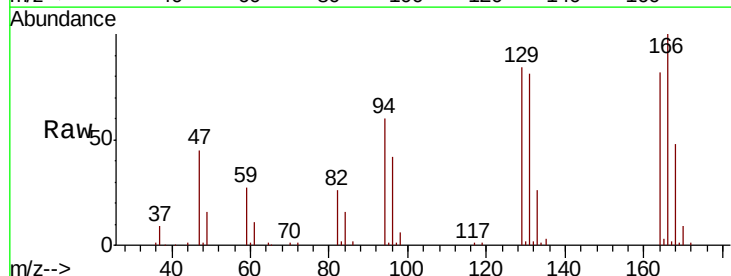


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

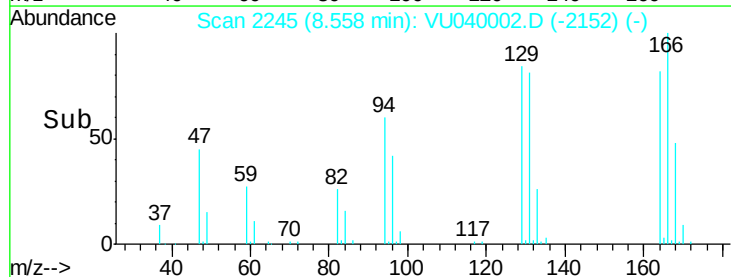
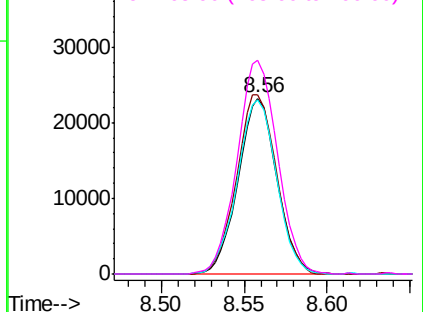


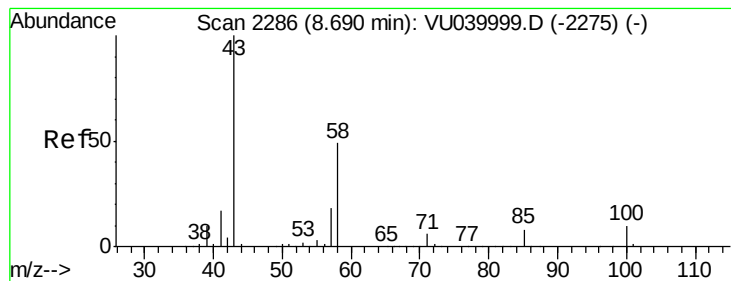
#47
 Tetrachloroethene
 Concen: 5.067 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

Tgt Ion:	164	Resp:	37724
Ion	Ratio	Lower	Upper
164	100		
129	102.0	71.5	132.7
131	99.0	65.9	122.5
166	121.4	87.3	162.1



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: 51.442 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU040002.D

Acq: 31 Aug 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

BFB24

Tot Ion: 43 Resp: 352221

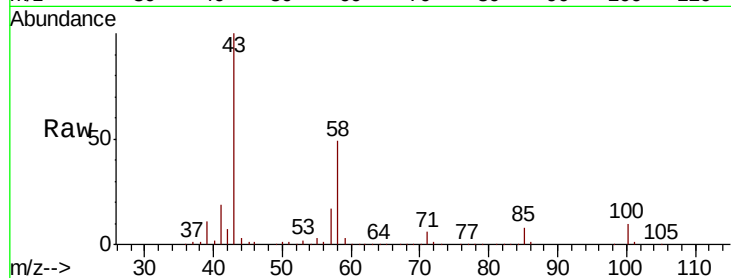
Ion Ratio Lower Upper

43 100

58 48.3 39.6 59.4

57 17.4 14.3 21.5

100 10.0 8.0 12.0

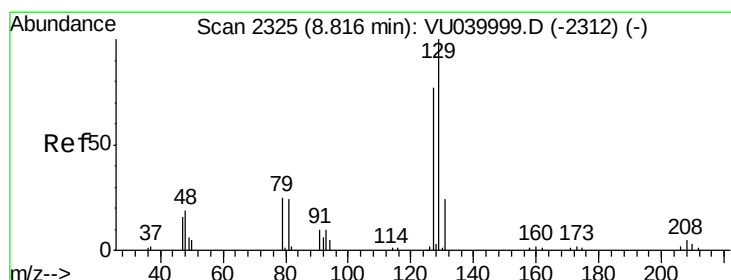
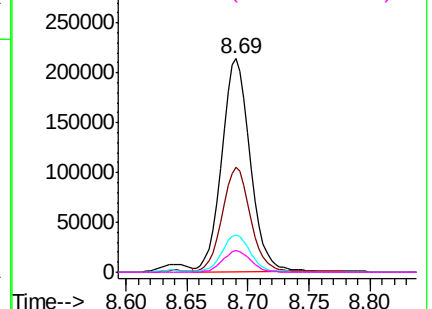
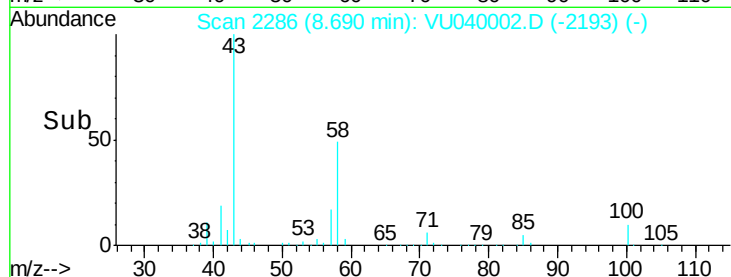


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 5.061 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU040002.D

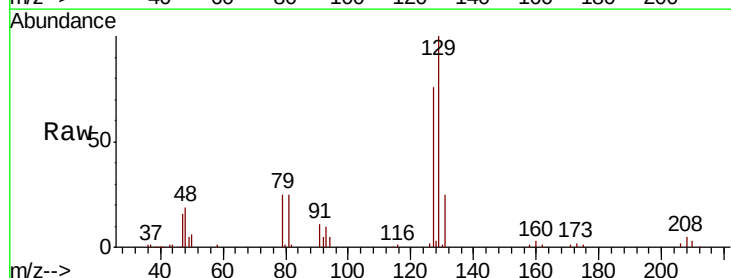
Acq: 31 Aug 2020 12:13

Tgt Ion: 129 Resp: 50627

Ion Ratio Lower Upper

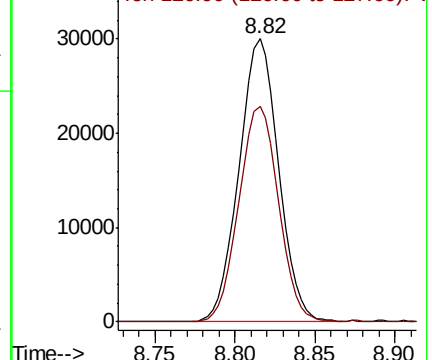
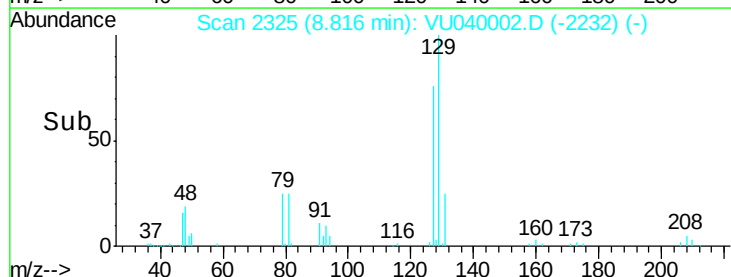
129 100

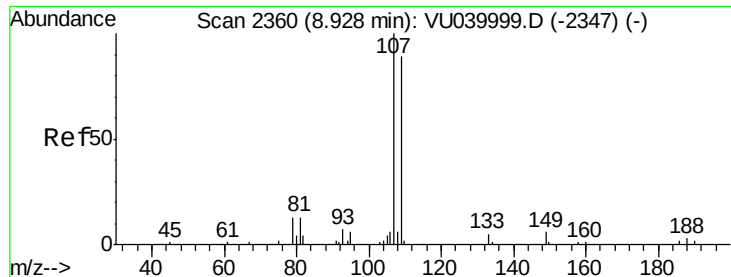
127 76.1 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

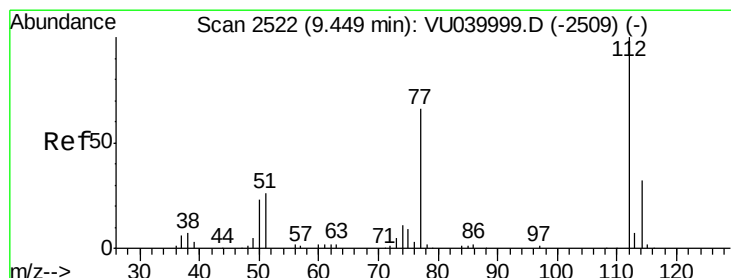
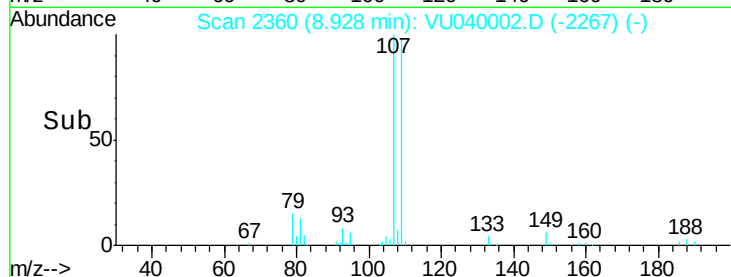
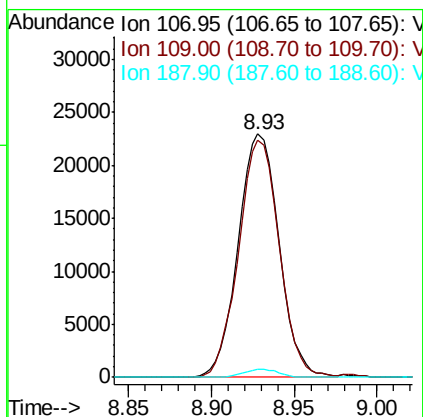
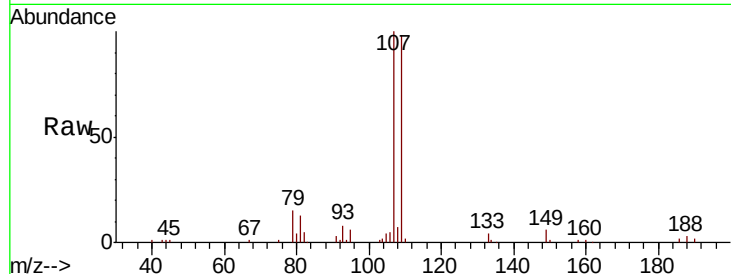




#50
 1,2-Dibromoethane
 Concen: 4.920 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

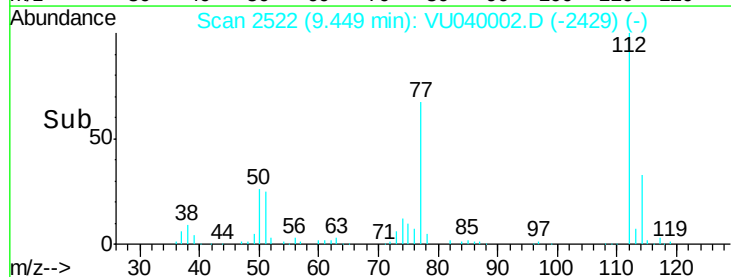
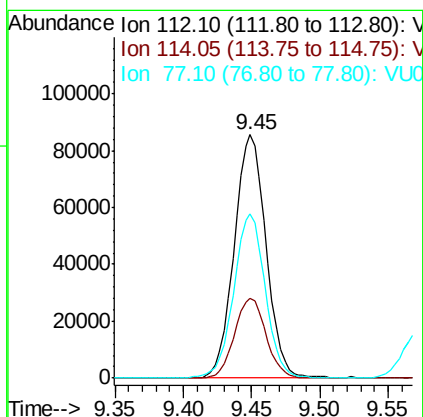
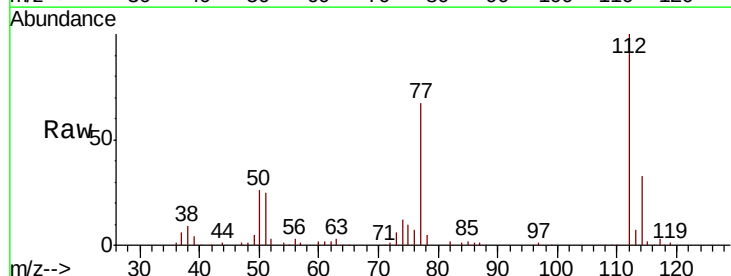
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB24

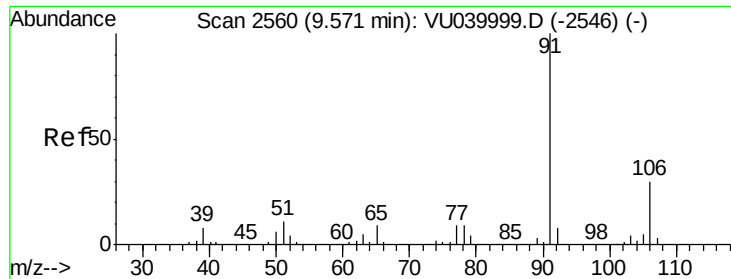
Tot Ion:107 Resp: 39534
 Ion Ratio Lower Upper
 107 100
 109 97.5 62.4 115.8
 188 3.2 2.3 3.5



#51
 Chlorobenzene
 Concen: 5.132 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

Tgt Ion:112 Resp: 138624
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.7 42.3
 77 67.4 53.2 79.8





#52

Ethylbenzene

Concen: 5.118 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040002.D

Acq: 31 Aug 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

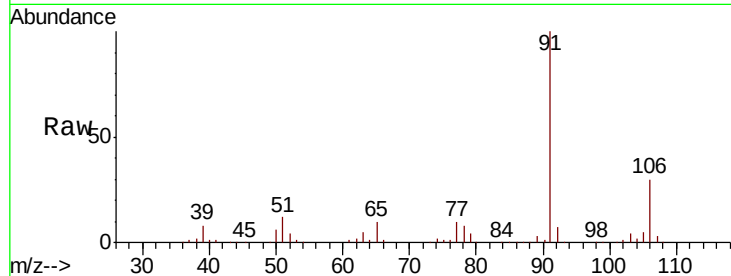
BFB24

Tot Ion: 91 Resp: 253000

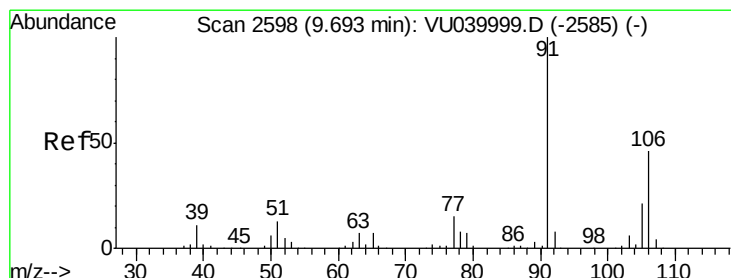
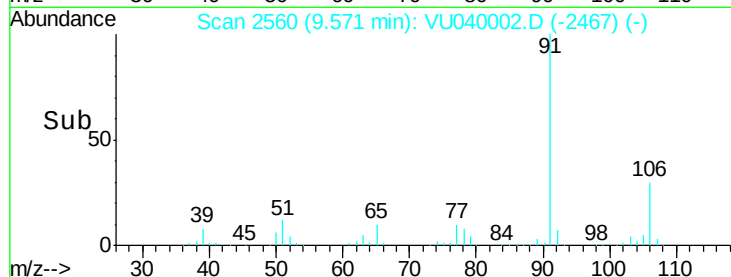
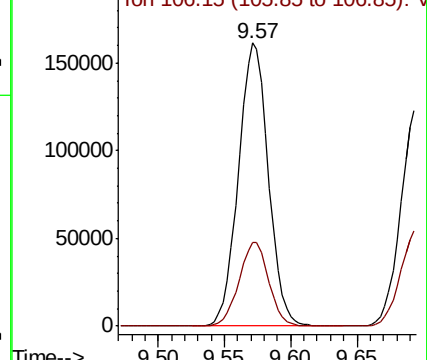
Ion Ratio Lower Upper

91 100

106 29.6 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040002.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.134 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040002.D

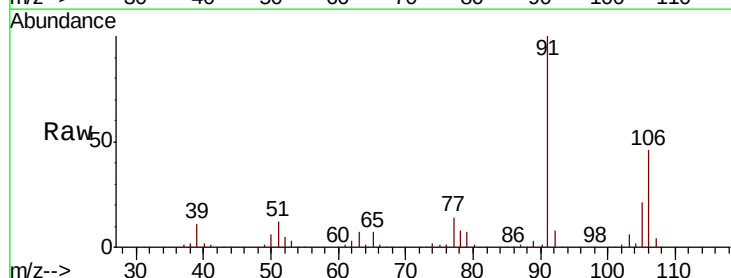
Acq: 31 Aug 2020 12:13

Tgt Ion:106 Resp: 90367

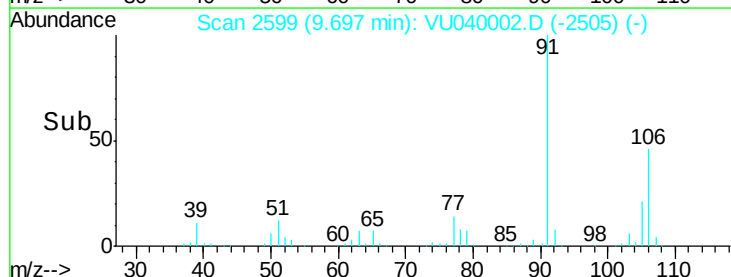
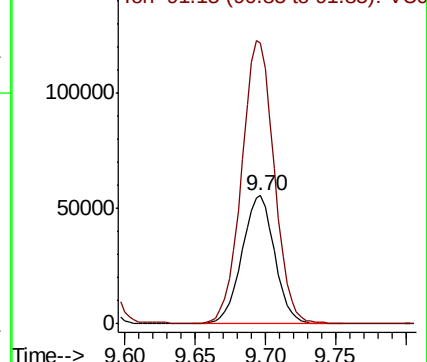
Ion Ratio Lower Upper

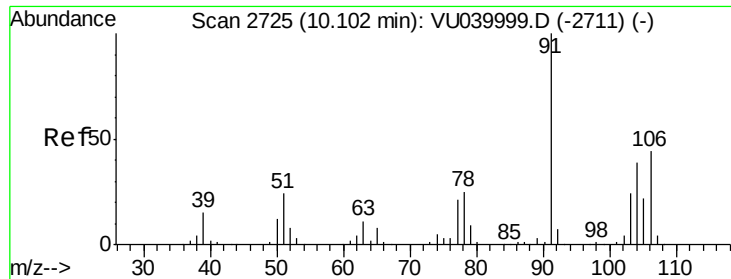
106 100

91 219.5 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040002.D (-2505) (-)

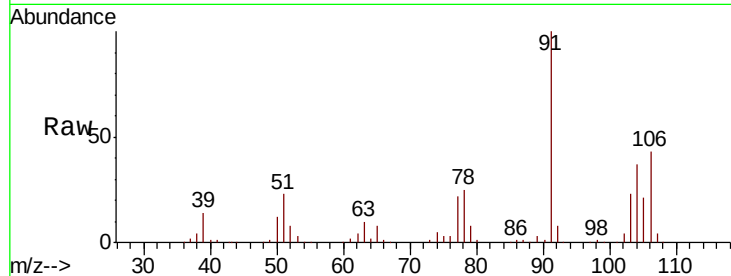




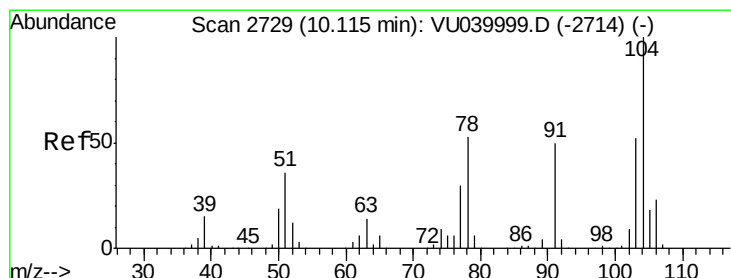
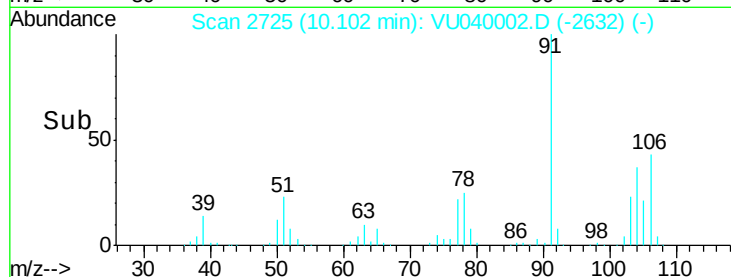
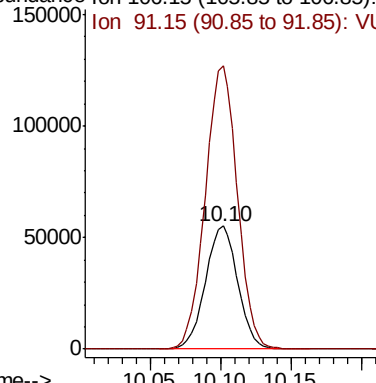
#54
o-Xylene
Concen: 5.289 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040002.D
Acq: 31 Aug 2020 12:13

Instrument :
MSVOA_U
ClientSampleId :
BFB24

Tot Ion:106 Resp: 88719
Ion Ratio Lower Upper
106 100
91 230.5 160.8 298.6

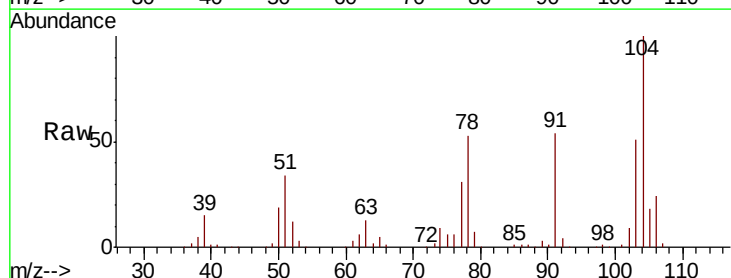


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

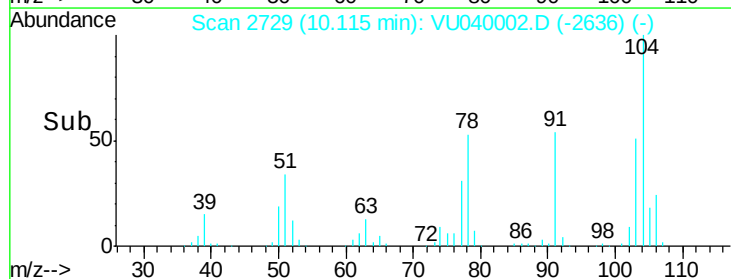
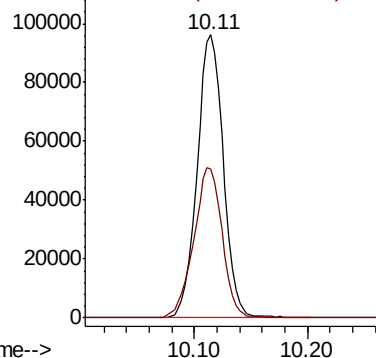


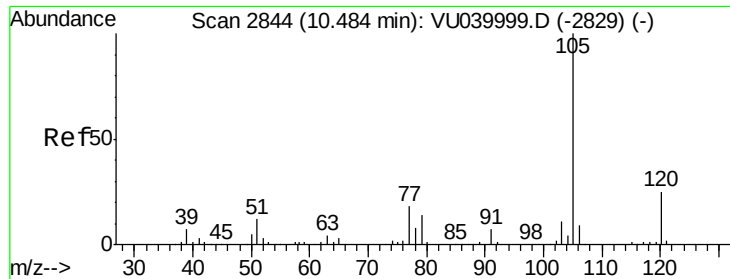
#55
Styrene
Concen: 5.312 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040002.D
Acq: 31 Aug 2020 12:13

Tgt Ion:104 Resp: 154952
Ion Ratio Lower Upper
104 100
78 52.8 36.8 68.3



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





#56

Isopropylbenzene

Concen: 5.309 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040002.D

Acq: 31 Aug 2020 12:13

Instrument :

MSVOA_U

ClientSampleId :

BFB24

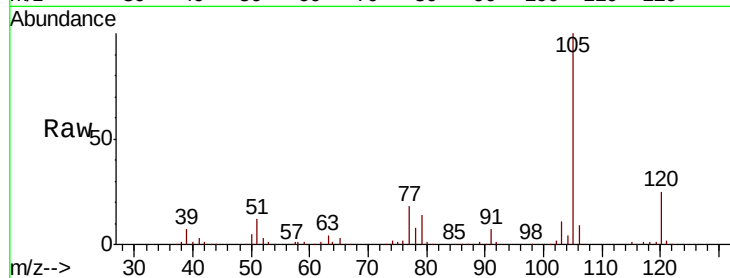
Tot Ion:105 Resp: 242875

Ion Ratio Lower Upper

105 100

120 25.1 20.1 30.1

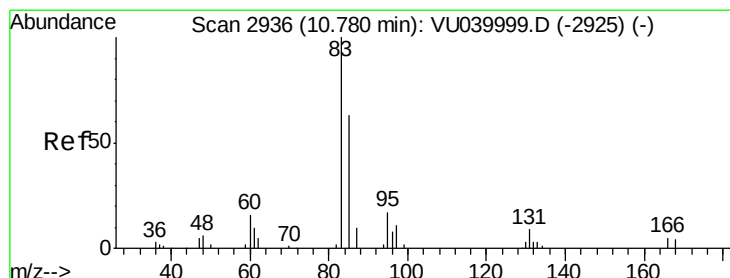
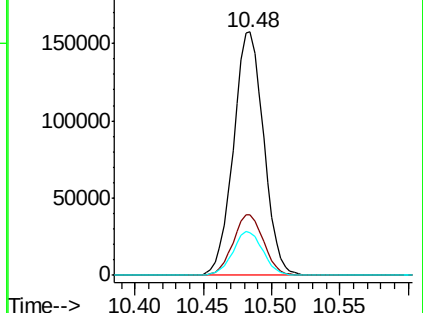
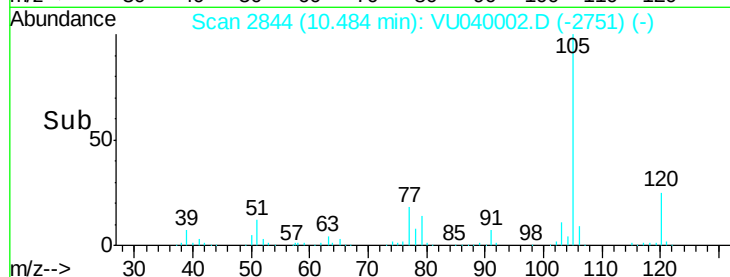
77 17.9 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.935 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040002.D

Acq: 31 Aug 2020 12:13

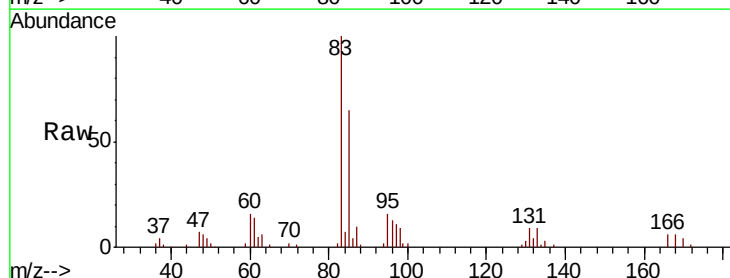
Tgt Ion: 83 Resp: 52738

Ion Ratio Lower Upper

83 100

85 64.6 44.9 83.3

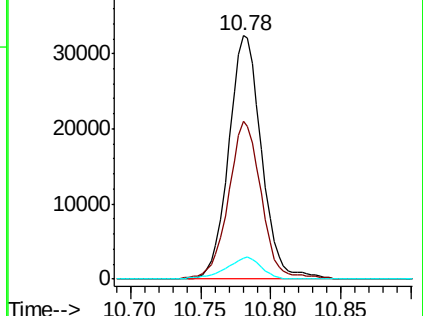
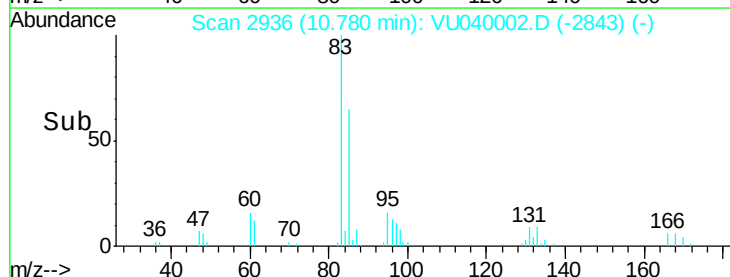
131 8.6 7.4 11.0

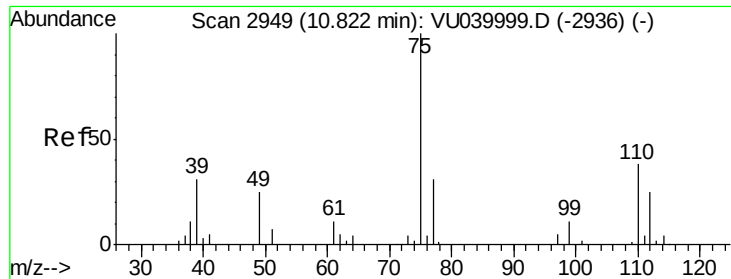


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

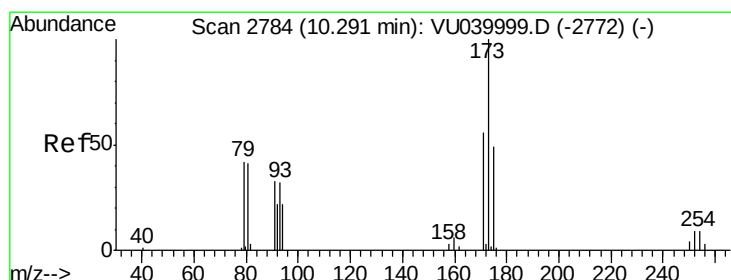
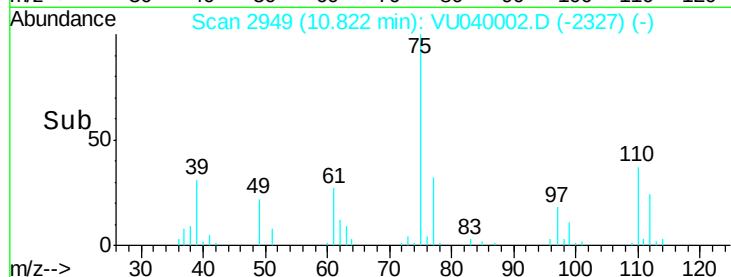
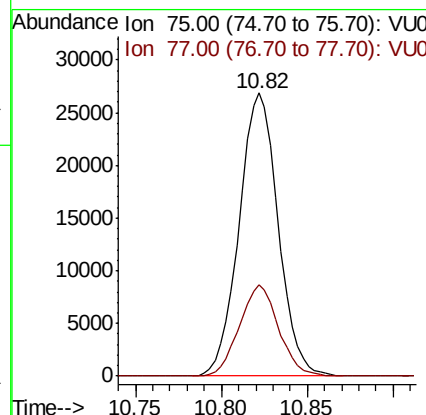
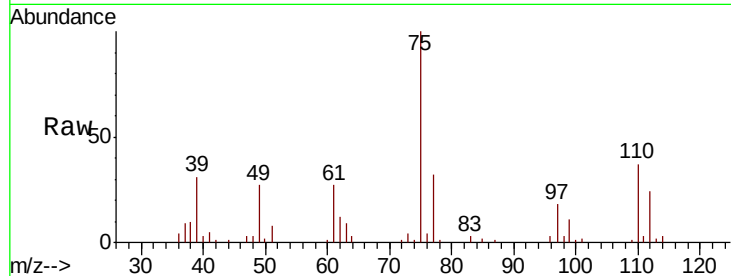




#59
 1,2,3-Trichloropropane
 Concen: 4.989 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

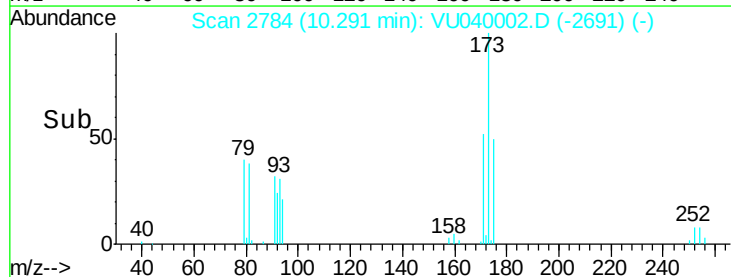
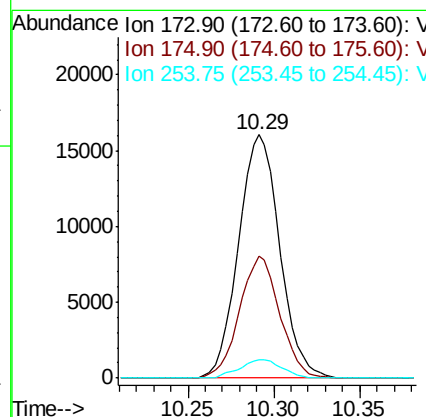
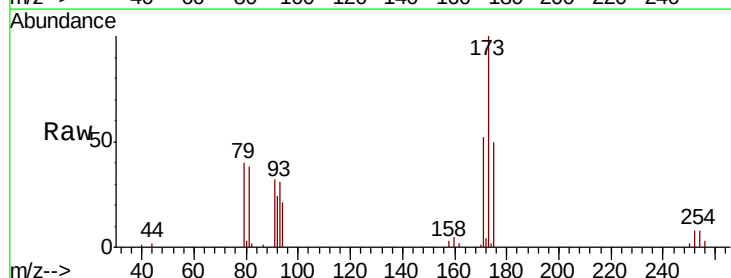
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB24

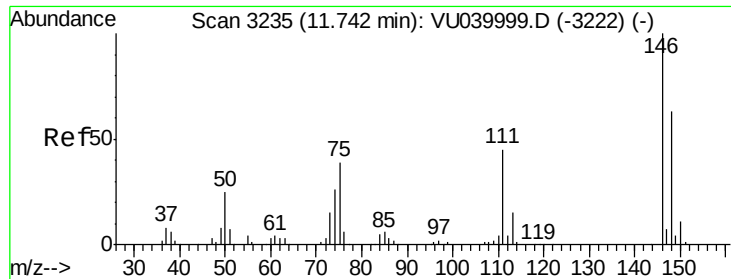
Tot Ion: 75 Resp: 42289
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.9 37.3



#61
 Bromoform
 Concen: 5.201 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

Tgt Ion: 173 Resp: 26741
 Ion Ratio Lower Upper
 173 100
 175 48.8 37.8 56.6
 254 7.6 6.8 10.2

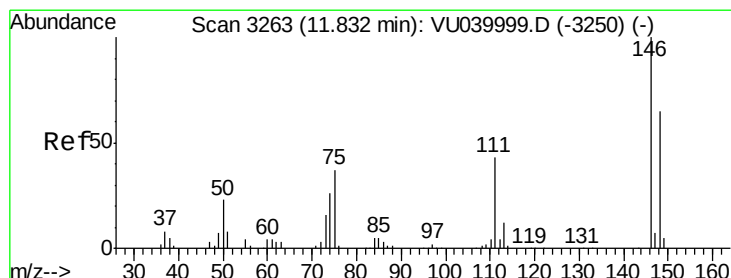
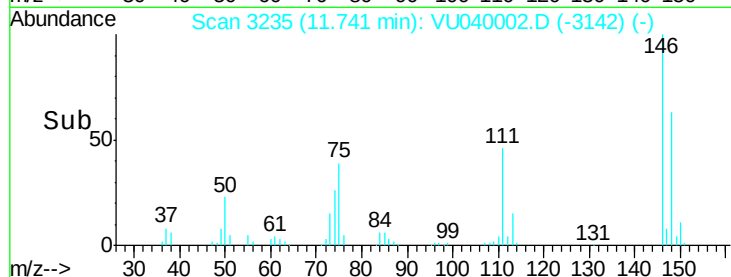
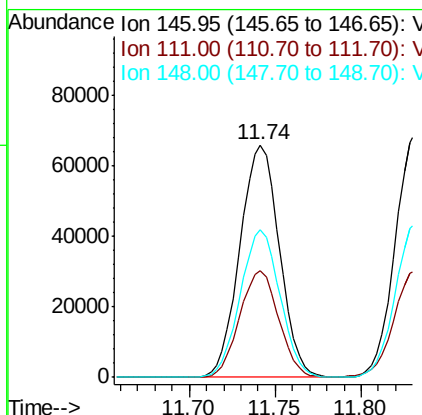
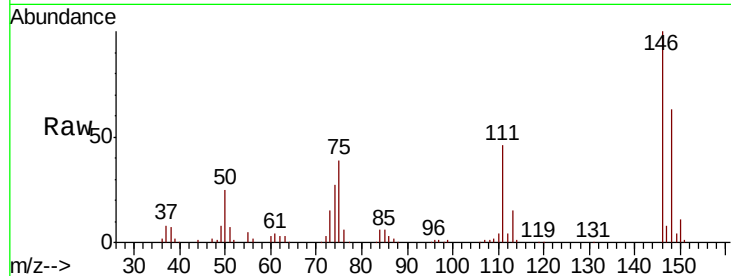




#62
 1,3-Dichlorobenzene
 Concen: 5.134 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

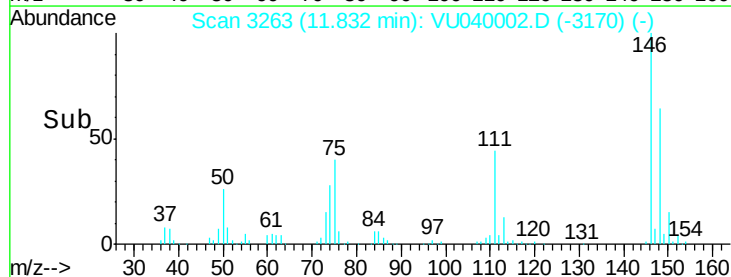
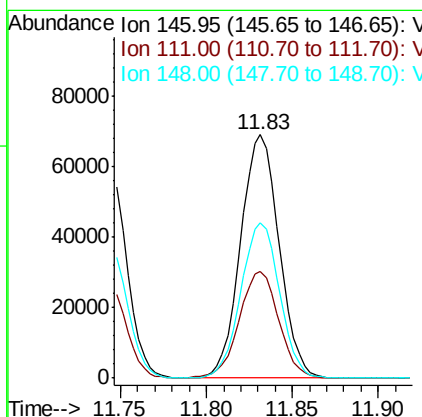
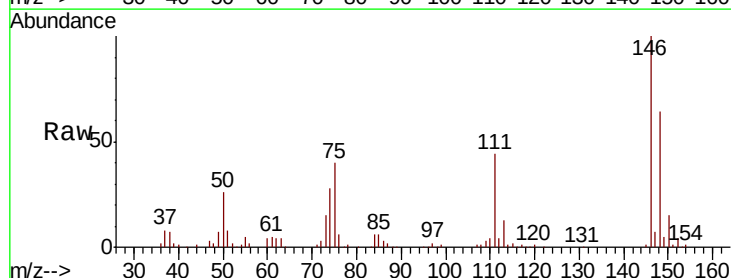
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB24

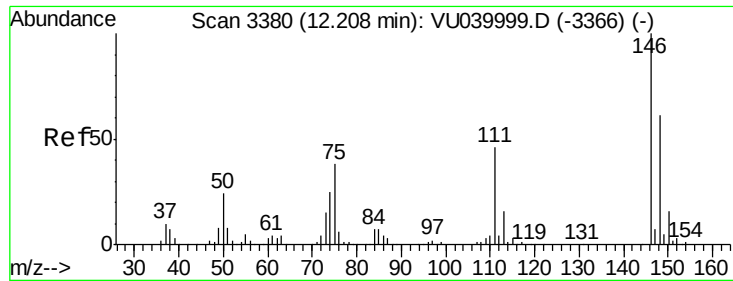
Tot Ion:146 Resp: 105172
 Ion Ratio Lower Upper
 146 100
 111 45.8 31.6 58.8
 148 63.4 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 5.199 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

Tgt Ion:146 Resp: 107784
 Ion Ratio Lower Upper
 146 100
 111 43.7 30.5 56.7
 148 63.6 45.4 84.4

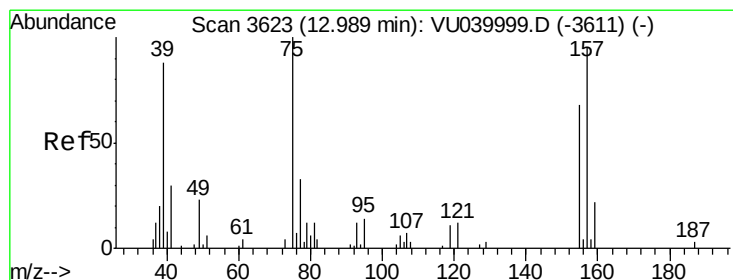
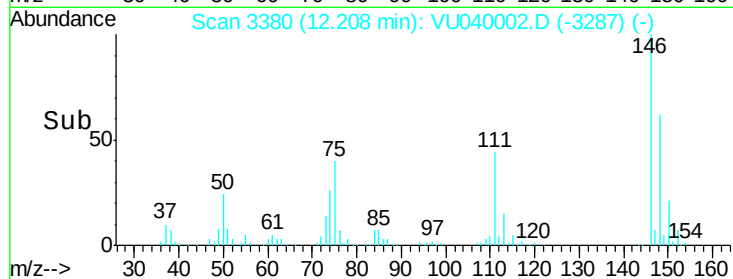
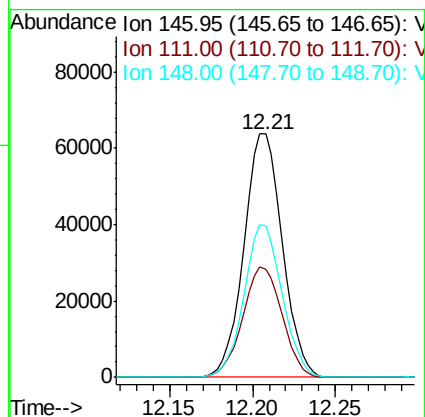
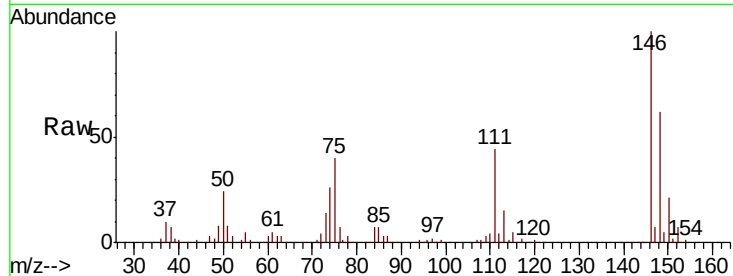




#65
 1,2-Dichlorobenzene
 Concen: 5.189 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

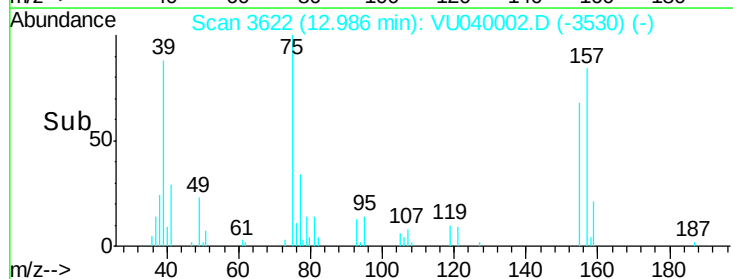
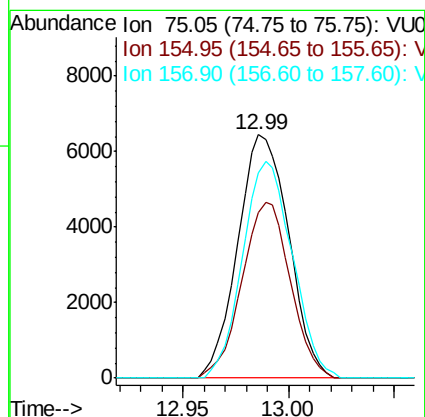
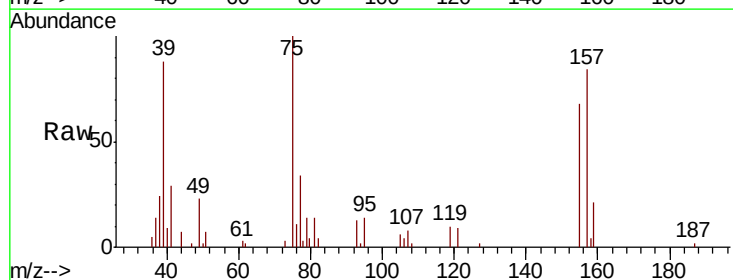
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB24

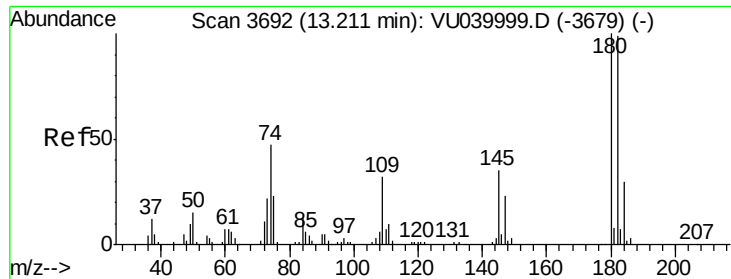
Tot Ion:146 Resp: 102857
 Ion Ratio Lower Upper
 146 100
 111 44.3 36.5 54.7
 148 62.0 48.6 72.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.096 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

Tgt Ion: 75 Resp: 10804
 Ion Ratio Lower Upper
 75 100
 155 67.8 54.6 82.0
 157 84.1 75.6 113.4

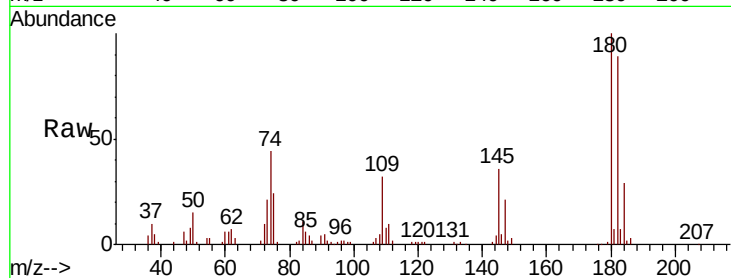




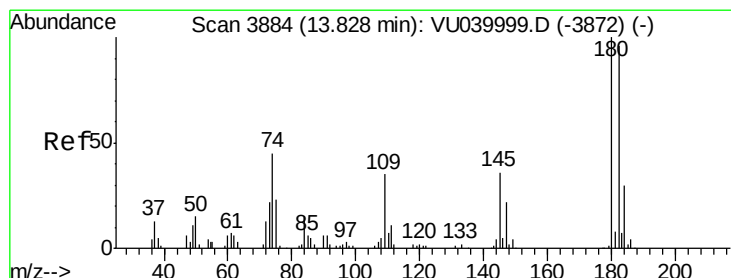
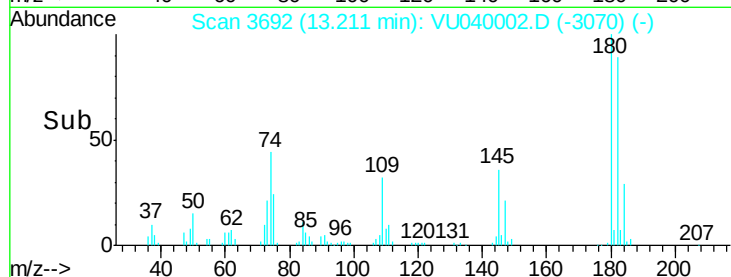
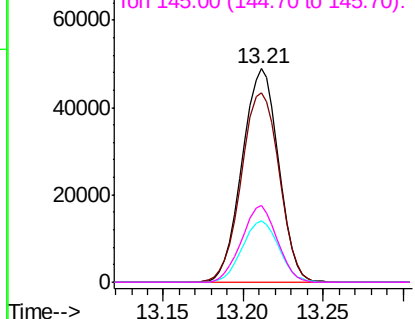
#67
 1,3,5-Trichlorobenzene
 Concen: 5.268 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

Instrument :
 MSVOA_U
 ClientSampleID :
 BFB24

Tot Ion:180 Resp: 75886
 Ion Ratio Lower Upper
 180 100
 182 92.6 76.9 115.3
 184 28.9 24.6 36.8
 145 34.8 27.0 40.6

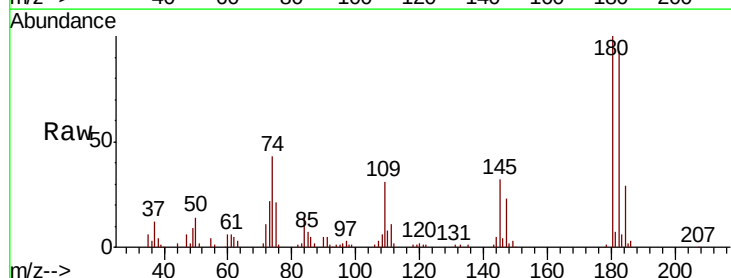


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

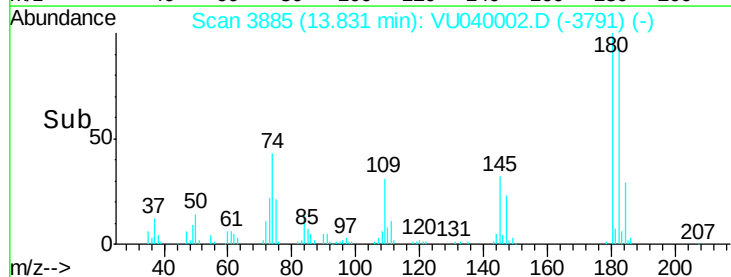
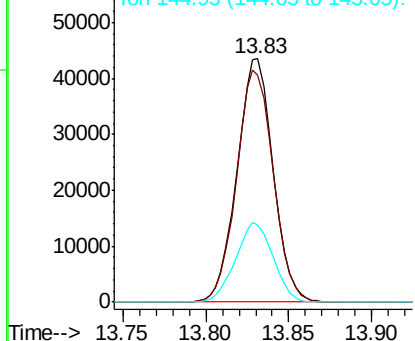


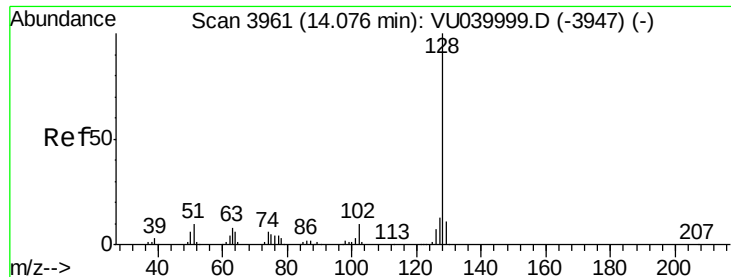
#68
 1,2,4-trichlorobenzene
 Concen: 5.309 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040002.D
 Acq: 31 Aug 2020 12:13

Tgt Ion:180 Resp: 65871
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.0 114.0
 145 33.8 28.4 42.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.302 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040002.D

Acq: 31 Aug 2020 12:13

Instrument :

MSVOA_U

ClientSampled :

BFB24

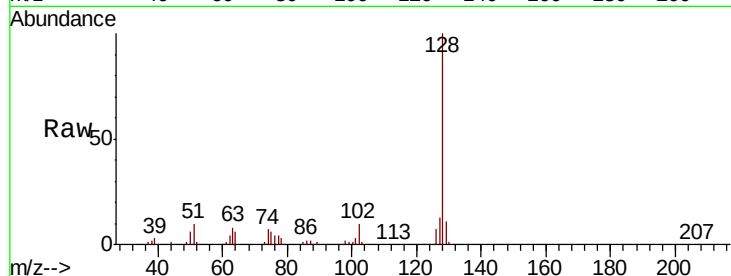
Tot Ion:128 Resp: 137113

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

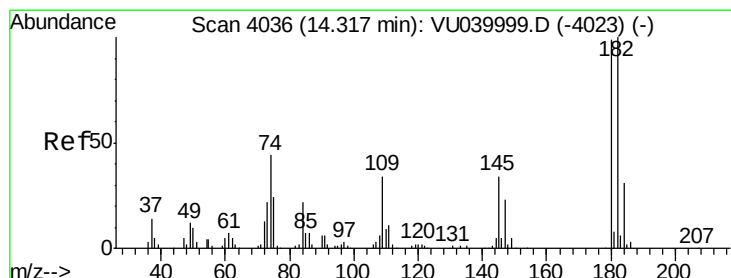
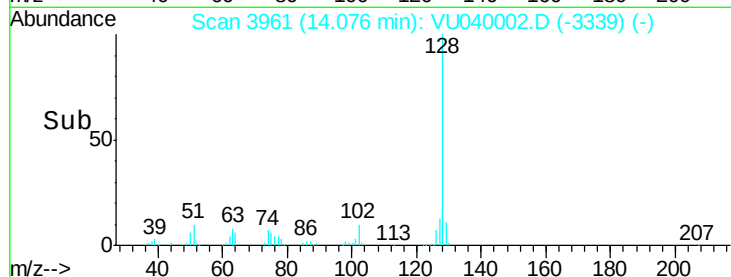
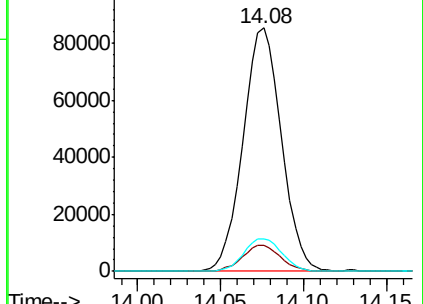
127 13.4 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.319 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040002.D

Acq: 31 Aug 2020 12:13

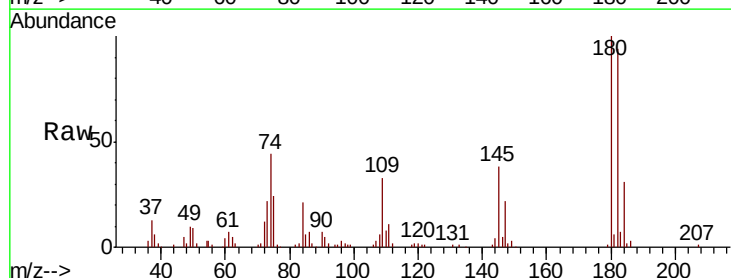
Tgt Ion:180 Resp: 60620

Ion Ratio Lower Upper

180 100

182 94.6 77.8 116.6

145 37.2 28.7 43.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

