

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100820\
 Data File : VU040555.D
 Acq On : 08 Oct 2020 10:20
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB15

Quant Time: Oct 09 00:55:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 08 10:53:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	129662	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	127658	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	69159	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24189	3.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.40%
7) Chloroethane-d5	1.92	69	22466	4.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.00%
11) 1,1-Dichloroethene-d2	2.58	63	66588	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.20%
20) 2-Butanone-d5	4.66	46	153412	48.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.22%
24) Chloroform-d	5.08	84	69699	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.72	65	41753	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	5.74	84	112297	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.70	67	41131	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.60%
41) Toluene-d8	7.90	98	96967	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	8.18	79	18288	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.64	63	109381	48.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.08%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	44145	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	46215	4.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	61362	4.719	ug/L 99
3) Chloromethane	1.53	50	56748	4.450	ug/L 99
5) Vinyl chloride	1.61	62	59047	4.711	ug/L 98
6) Bromomethane	1.87	94	31027	5.090	ug/L 96
8) Chloroethane	1.94	64	37179	5.005	ug/L 100
9) Trichlorofluoromethane	2.15	101	83327	4.819	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	54293	4.918	ug/L 97
12) 1,1-Dichloroethene	2.59	96	49043	4.967	ug/L 97
13) Acetone	2.67	43	137758	51.846	ug/L 97
14) Carbon disulfide	2.81	76	133439	4.275	ug/L 100
15) Methyl Acetate	2.97	43	29357	4.588	ug/L 98
16) Methylene chloride	3.06	84	55876	4.505	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	134791	4.955	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	49239	4.822	ug/L 98
19) 1,1-Dichloroethane	3.89	63	102502	4.891	ug/L 99
21) 2-Butanone	4.74	43	216476	50.758	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	54543	4.829	ug/L 99

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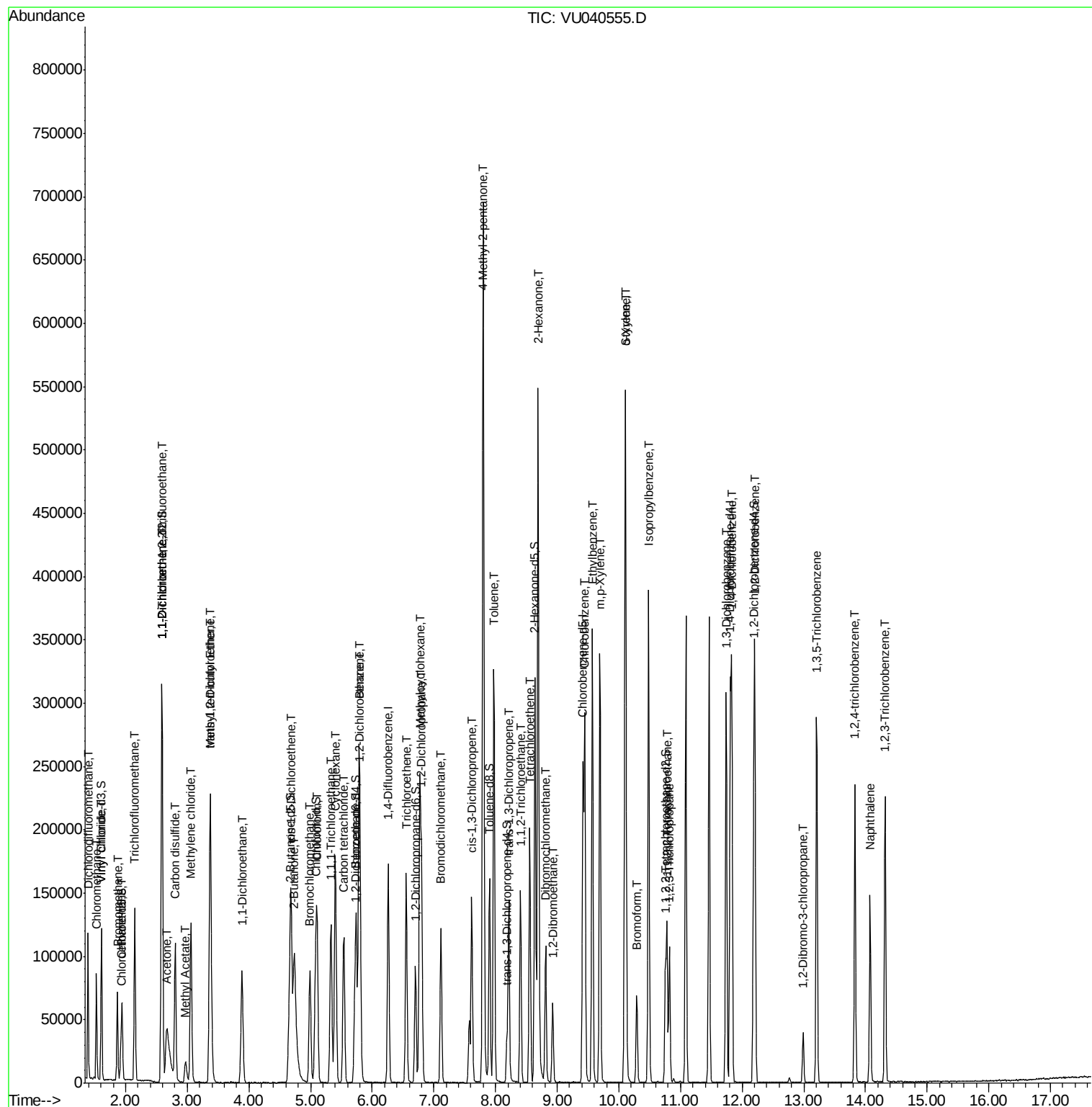
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	26984	5.218	ug/L	92
25) Chloroform	5.11	83	104888	4.907	ug/L	100
27) 1,2-Dichloroethane	5.81	62	74286	5.019	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	87992	5.046	ug/L	99
30) Cyclohexane	5.40	56	83715	4.640	ug/L	98
31) Carbon tetrachloride	5.54	117	76427	5.111	ug/L	99
33) Benzene	5.79	78	215957	5.046	ug/L	100
34) Trichloroethene	6.55	95	55866	4.917	ug/L	95
35) Methylcyclohexane	6.77	83	79719	4.784	ug/L	99
37) 1,2-Dichloropropane	6.80	63	60639	5.087	ug/L	99
38) Bromodichloromethane	7.11	83	76407	5.192	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	79430	4.969	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	484493	51.906	ug/L	99
42) Toluene	7.97	91	221905	5.056	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	76505	5.191	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	45020	5.388	ug/L	94
47) Tetrachloroethene	8.56	164	40882	5.067	ug/L	98
48) 2-Hexanone	8.69	43	374888	54.505	ug/L	99
49) Dibromochloromethane	8.81	129	52802	5.433	ug/L	97
50) 1,2-Dibromoethane	8.93	107	41667	5.199	ug/L	91
51) Chlorobenzene	9.45	112	142827	5.034	ug/L	98
52) Ethylbenzene	9.57	91	239314	5.025	ug/L	100
53) m,p-Xylene	9.69	106	90772	5.116	ug/L	99
54) o-Xylene	10.10	106	85257	5.108	ug/L	97
55) Styrene	10.11	104	156730	5.384	ug/L	97
56) Isopropylbenzene	10.48	105	234408	5.204	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	57880	5.111	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	42618	4.933	ug/L	99
61) Bromoform	10.29	173	29799	5.214	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	115581	5.048	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	117839	4.948	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	110675	4.972	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	9798	4.884	ug/L	90
67) 1,3,5-Trichlorobenzene	13.21	180	81093	4.961	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	67199	5.116	ug/L	98
69) Naphthalene	14.08	128	110708	4.932	ug/L	97
70) 1,2,3-Trichlorobenzene	14.32	180	63542	5.287	ug/L	99

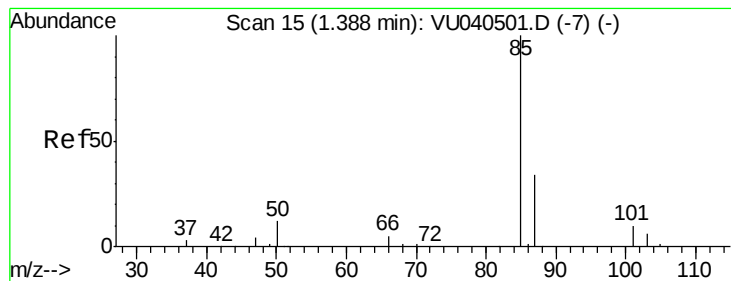
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.719 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

Instrument :

MSVOA_U

ClientSampleId :

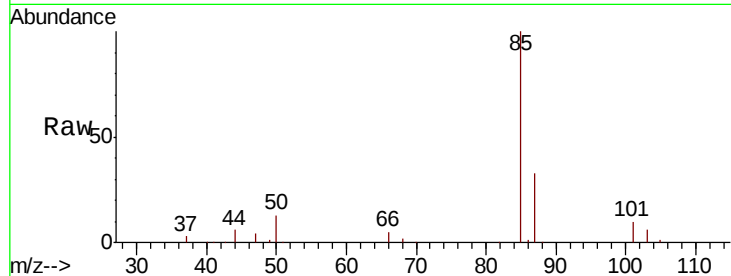
BFB15

Tot Ion: 85 Resp: 61362

Ion Ratio Lower Upper

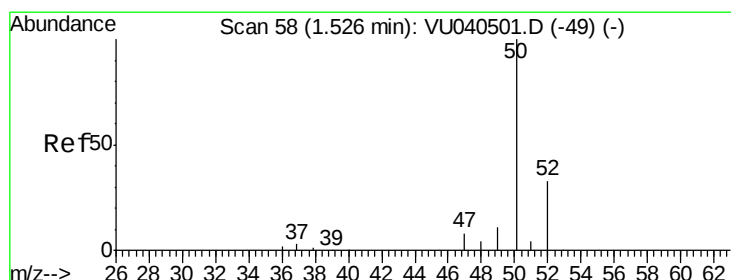
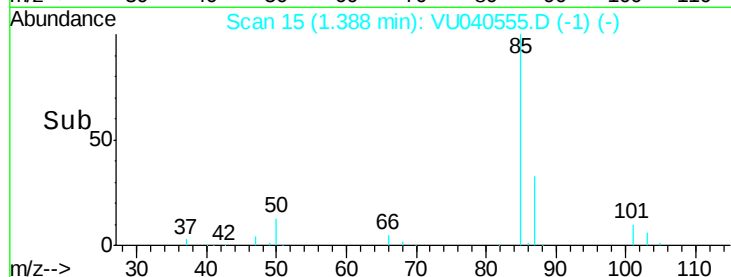
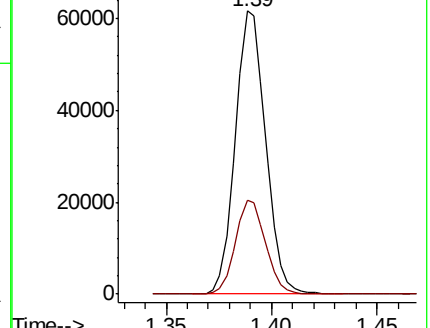
85 100

87 32.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU040555.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040555.D (-7) (-)



#3

Chloromethane

Concen: 4.450 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040555.D

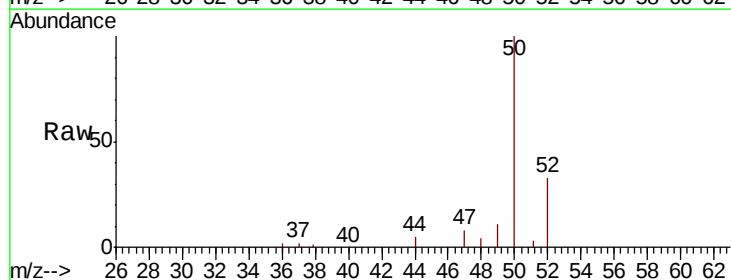
Acq: 08 Oct 2020 10:20

Tgt Ion: 50 Resp: 56748

Ion Ratio Lower Upper

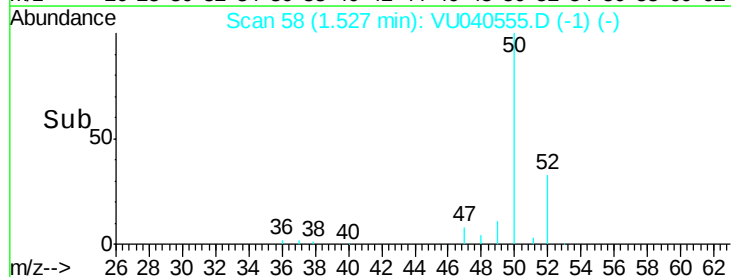
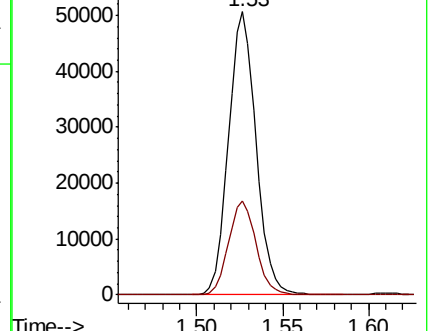
50 100

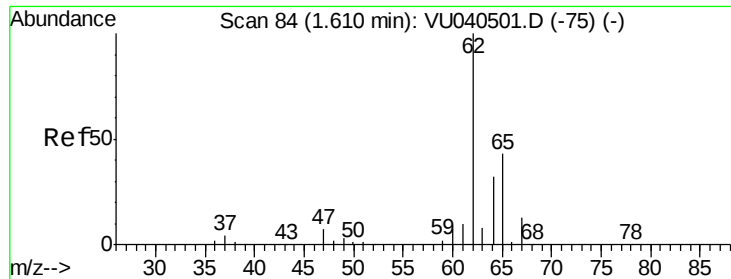
52 33.3 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU040555.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040555.D (-49) (-)

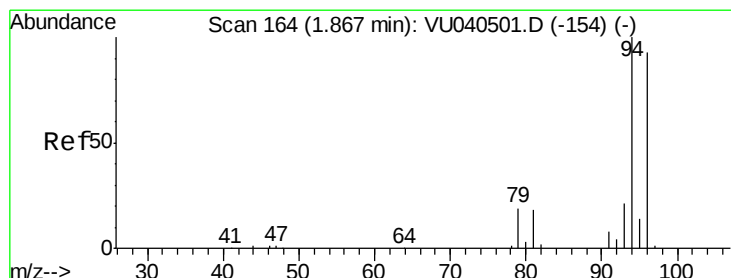
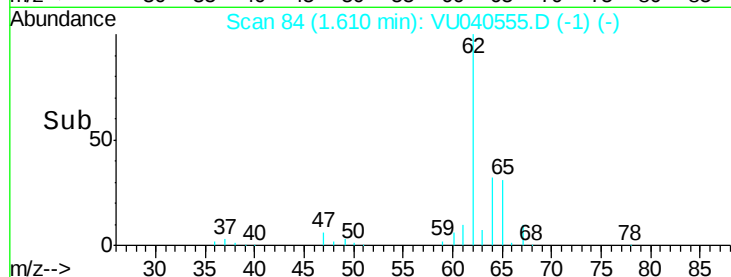
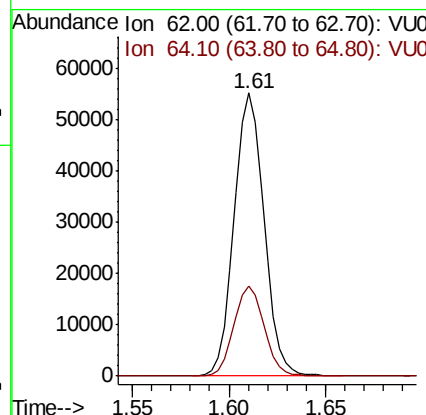
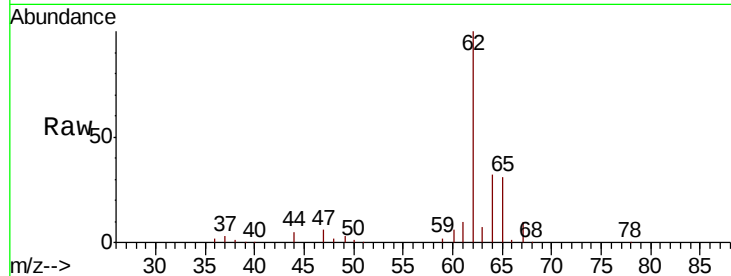




#5
 Vinyl chloride
 Concen: 4.711 ug/L
 RT: 1.61 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VU040555.D
 Acq: 08 Oct 2020 10:20

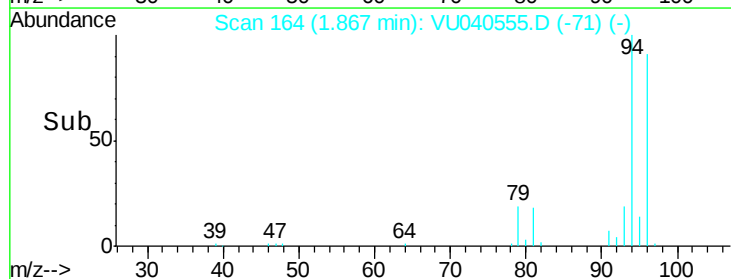
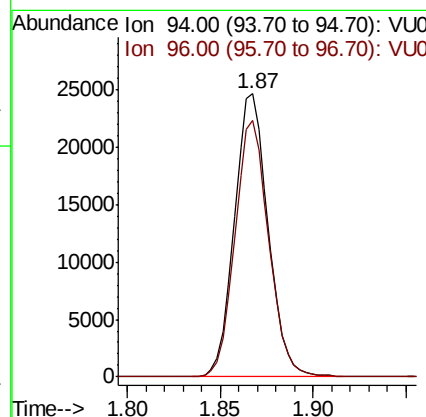
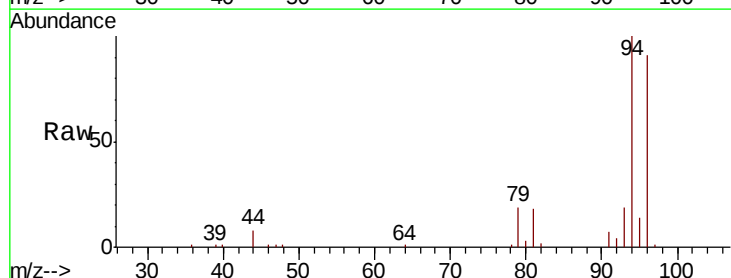
Instrument :
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 ClientSampleId :
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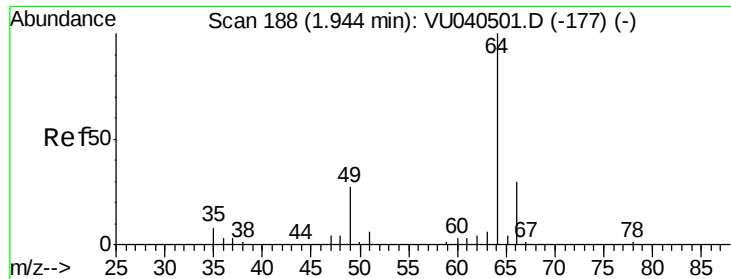
Tot Ion: 62 Resp: 59047
 Ion Ratio Lower Upper
 62 100
 64 32.0 23.0 42.8



#6
 Bromomethane
 Concen: 5.090 ug/L
 RT: 1.87 min Scan# 164
 Delta R.T. 0.00 min
 Lab File: VU040555.D
 Acq: 08 Oct 2020 10:20

Tgt Ion: 94 Resp: 31027
 Ion Ratio Lower Upper
 94 100
 96 90.7 66.3 123.1

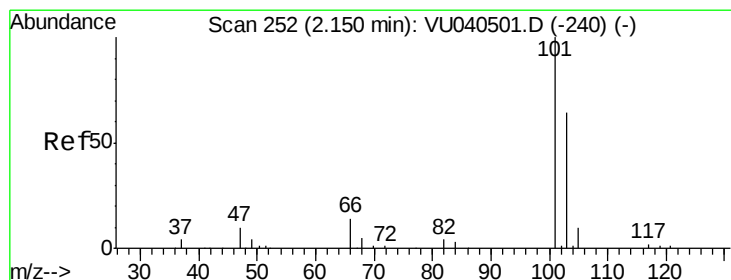
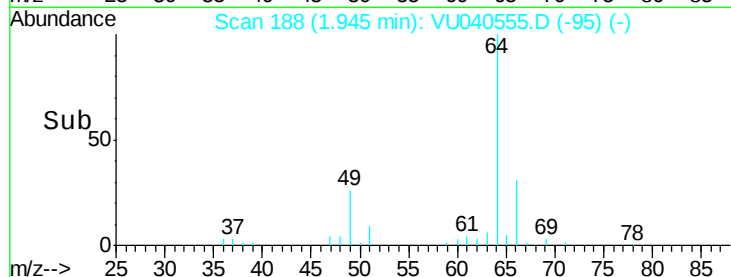
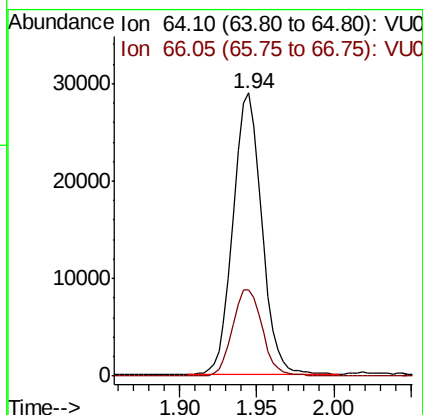
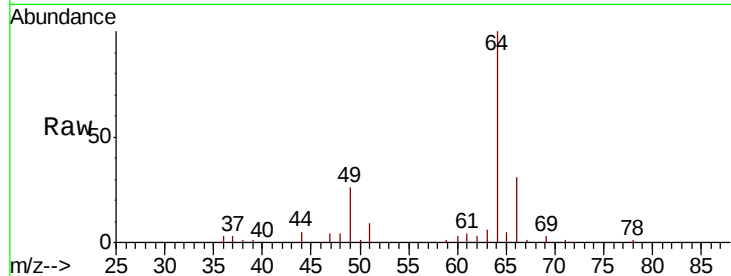




#8
 Chloroethane
 Concen: 5.005 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU040555.D
 Acq: 08 Oct 2020 10:20

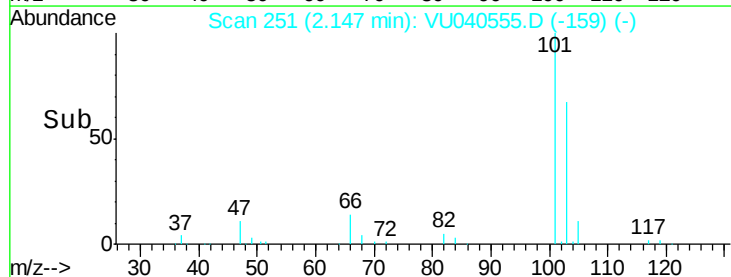
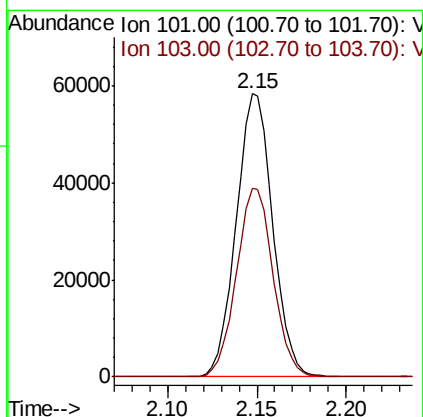
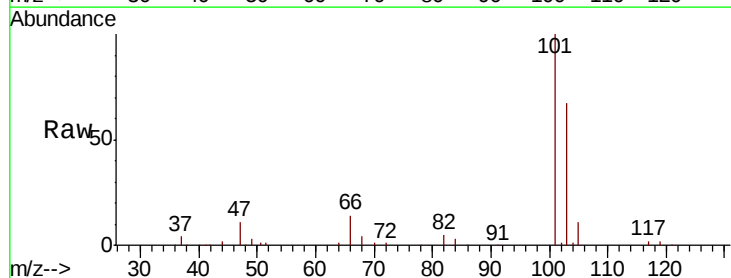
Instrument :
 MSVOA_U
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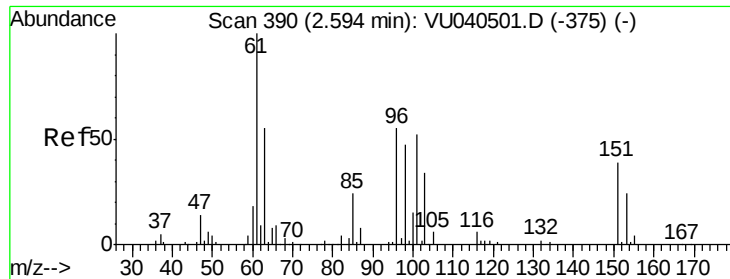
Tot Ion: 64 Resp: 37179
 Ion Ratio Lower Upper
 64 100
 66 30.7 21.3 39.6



#9
 Trichlorofluoromethane
 Concen: 4.819 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VU040555.D
 Acq: 08 Oct 2020 10:20

Tgt Ion:101 Resp: 83327
 Ion Ratio Lower Upper
 101 100
 103 66.8 52.6 79.0





#10

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

Concen: 4.918 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

Instrument :

MSVOA_U

ClientSampleId :

BFB15

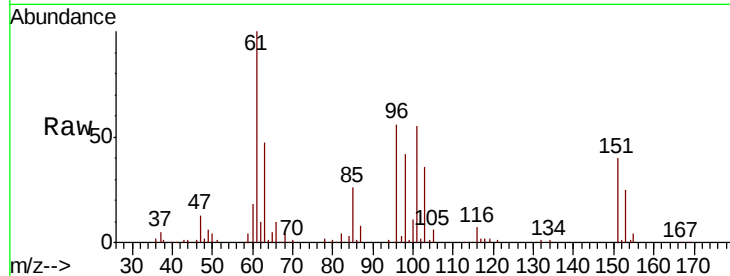
Tot Ion:101 Resp: 54293

Ion Ratio Lower Upper

101 100

85 45.5 35.0 52.6

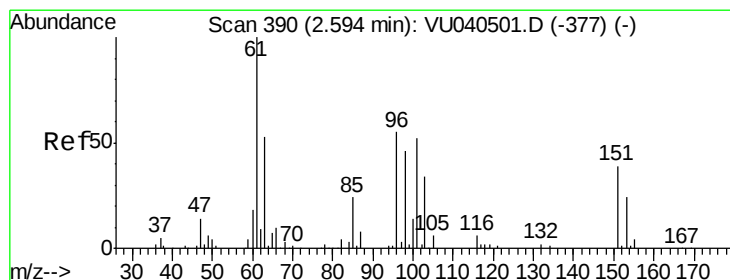
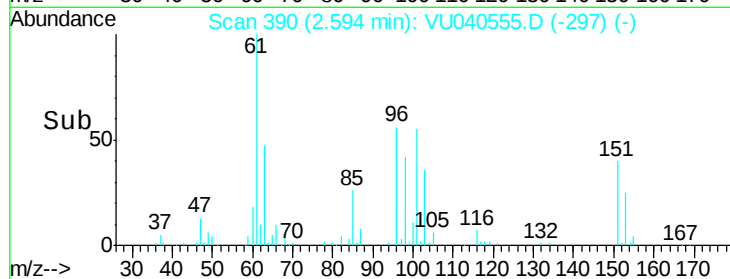
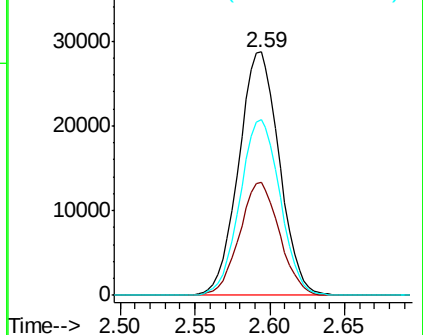
151 71.6 55.4 83.2



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: 4.967 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

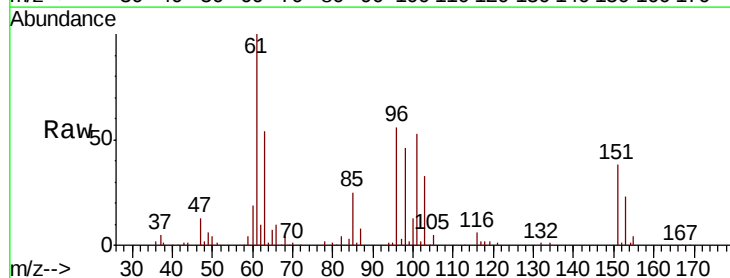
Tgt Ion: 96 Resp: 49043

Ion Ratio Lower Upper

96 100

61 177.9 128.6 238.8

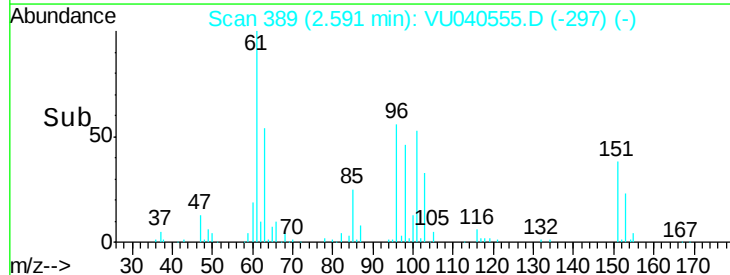
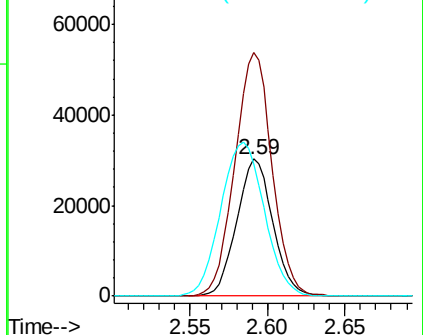
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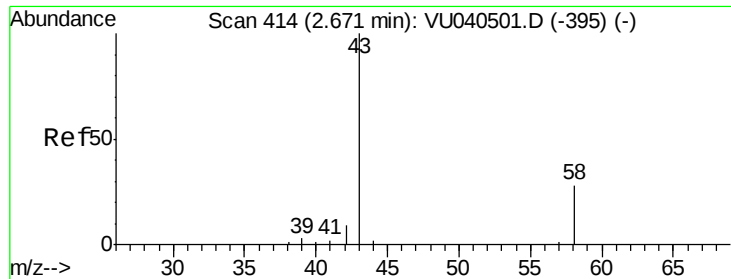


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.846 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU040555.D

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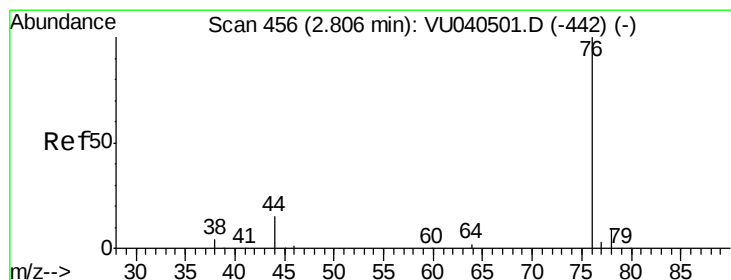
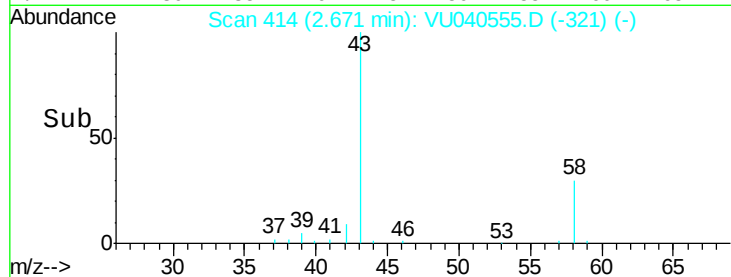
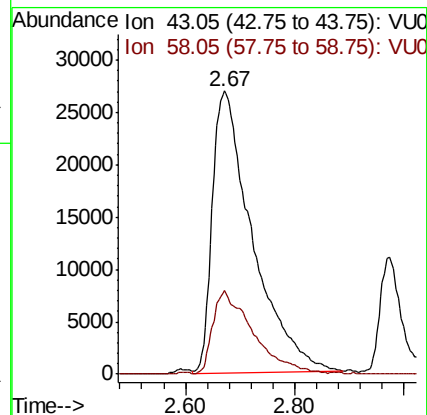
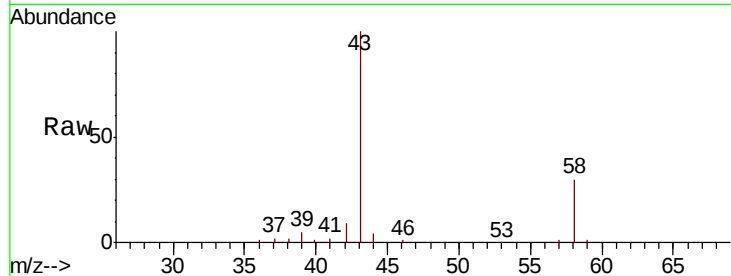
BFB15

Tot Ion: 43 Resp: 137758

Ion Ratio Lower Upper

43 100

58 29.1 0.0 61.8



#14

Carbon disulfide

Concen: 4.275 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040555.D

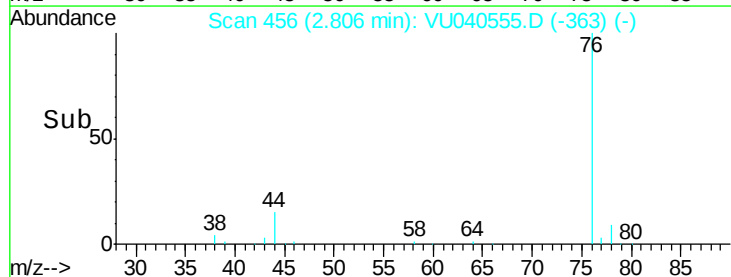
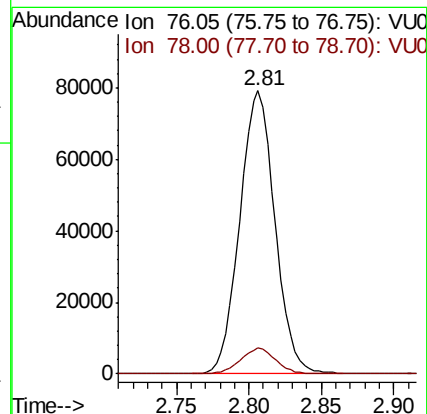
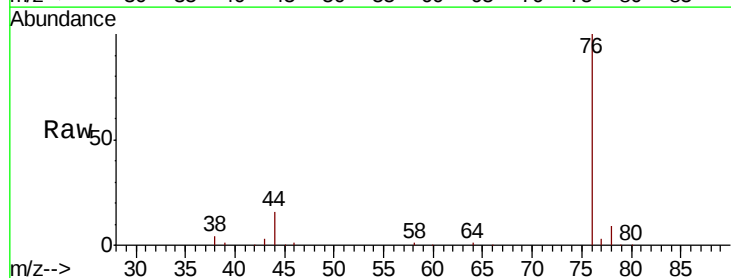
Acq: 08 Oct 2020 10:20

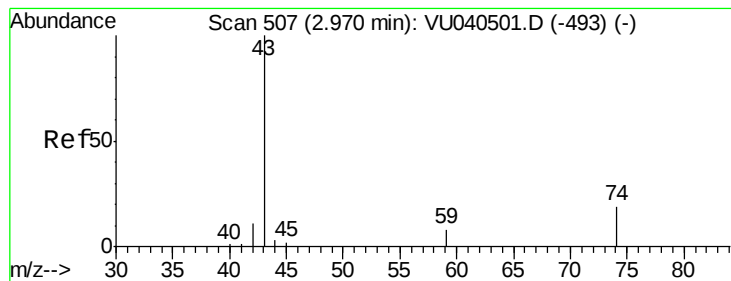
Tgt Ion: 76 Resp: 133439

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methvl Acetate

Concen: 4.588 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

Instrument :

MSVOA_U

ClientSampled :

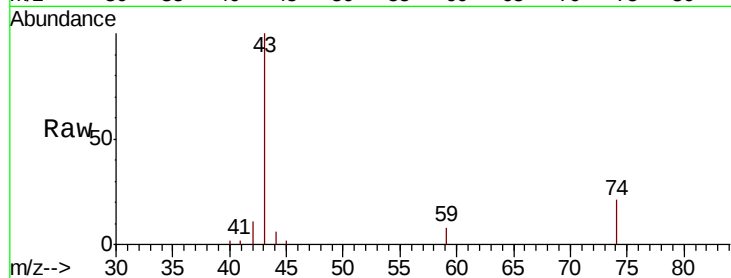
BFB15

Tot Ion: 43 Resp: 29357

Ion Ratio Lower Upper

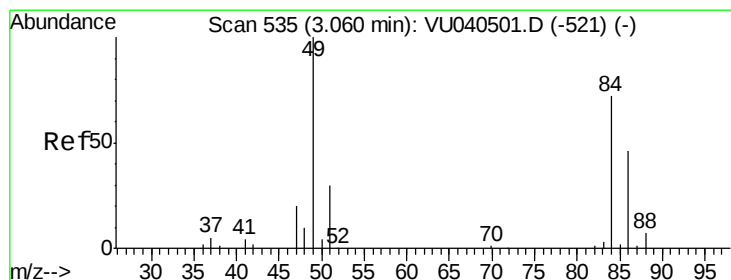
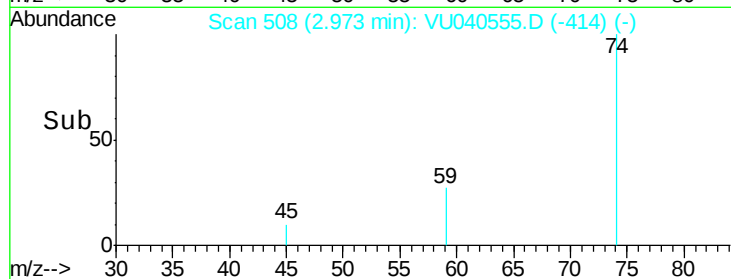
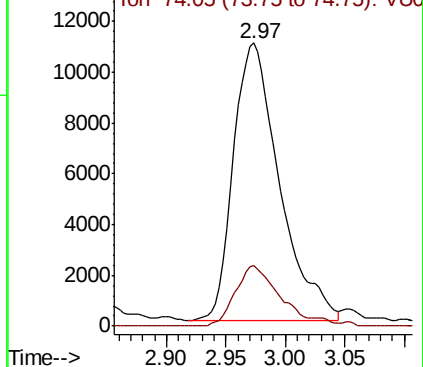
43 100

74 21.5 16.3 24.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.505 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

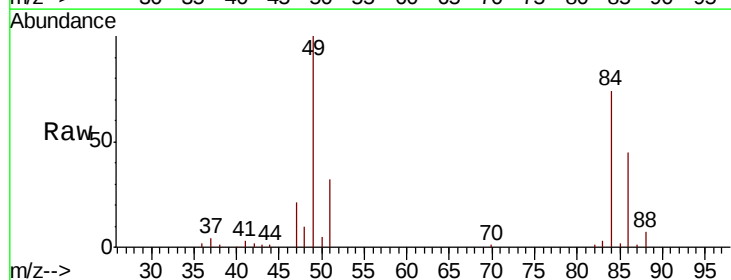
Tgt Ion: 84 Resp: 55876

Ion Ratio Lower Upper

84 100

86 61.0 44.4 82.5

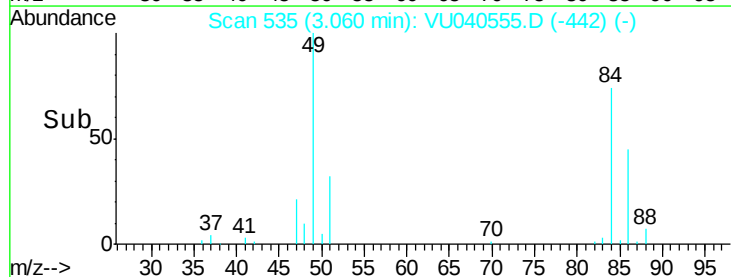
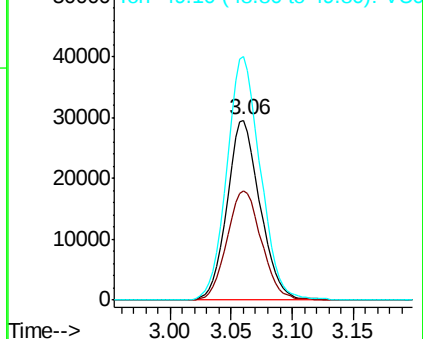
49 135.5 92.2 171.2

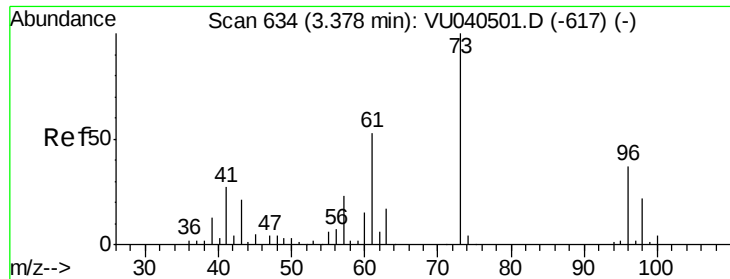


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

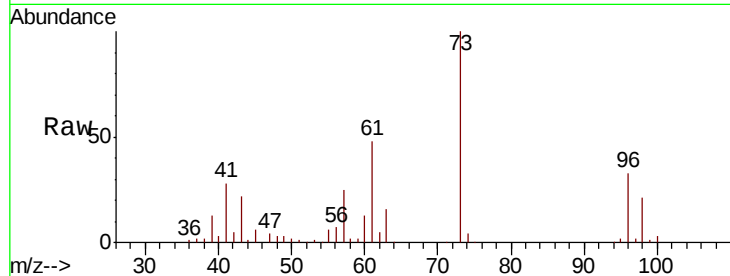




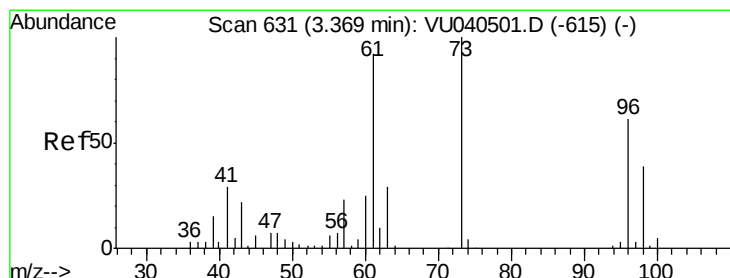
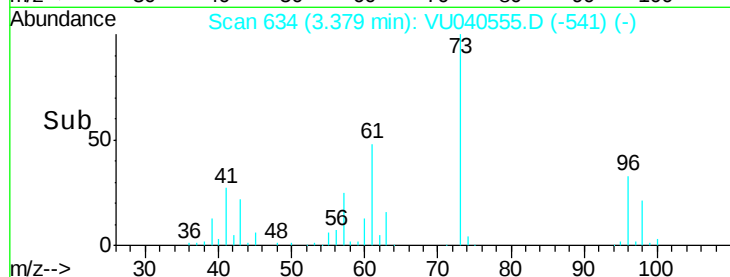
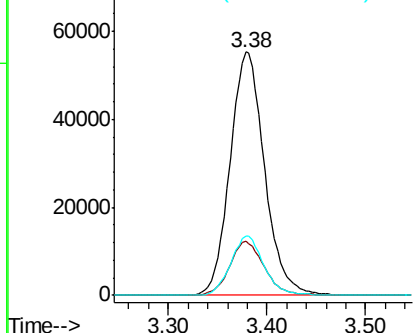
#17
Methvl tert-butvl Ether
Concen: 4.955 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU040555.D
Acq: 08 Oct 2020 10:20

Instrument :
MSVOA_U
ClientSampleId :
BFB15

Tot Ion: 73 Resp: 134791
Ion Ratio Lower Upper
73 100
43 22.5 19.0 28.4
57 23.5 18.9 28.3

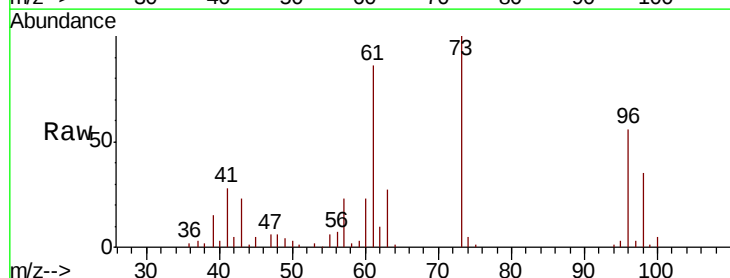


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

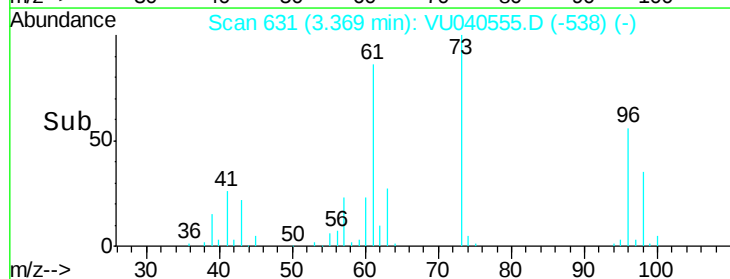
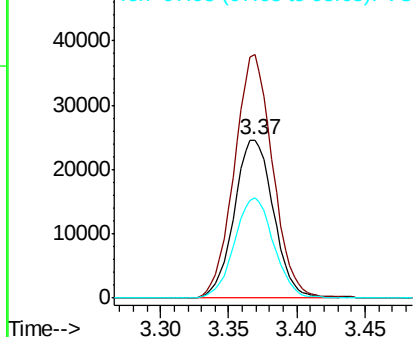


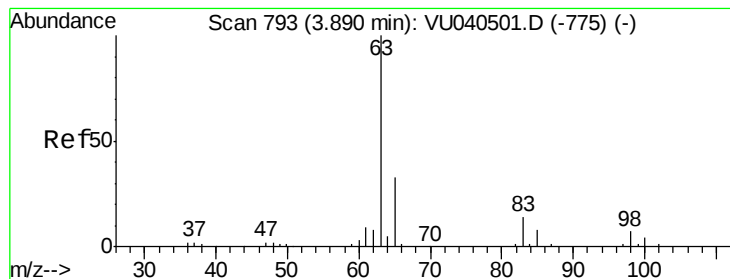
#18
trans-1,2-Dichloroethene
Concen: 4.822 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040555.D
Acq: 08 Oct 2020 10:20

Tgt Ion: 96 Resp: 49239
Ion Ratio Lower Upper
96 100
61 153.7 109.3 203.1
98 63.0 45.8 85.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 4.891 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

Instrument :

MSVOA_U

ClientSampleID :

BFB15

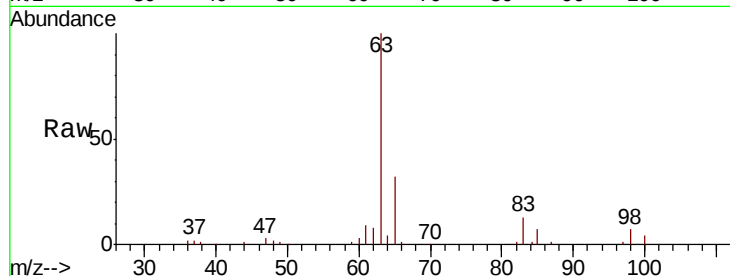
Tot Ion: 63 Resp: 102502

Ion Ratio Lower Upper

63 100

65 32.0 21.7 40.3

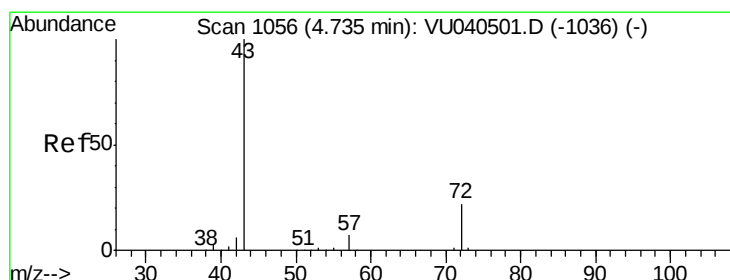
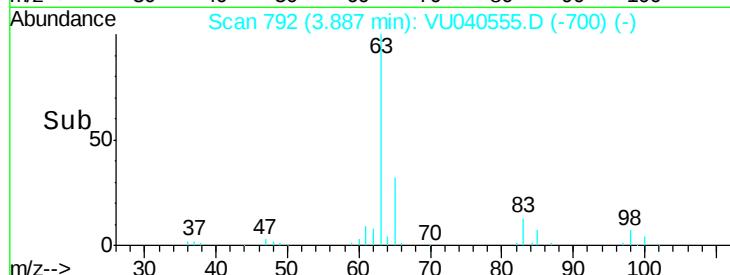
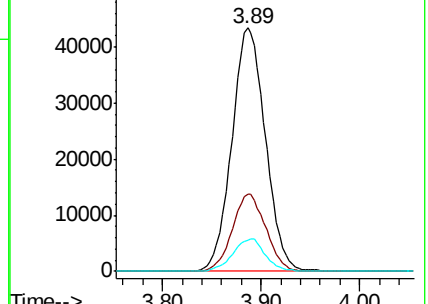
83 12.9 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU040555.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU040555.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU040555.D (-700) (-)



#21

2-Butanone

Concen: 50.758 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU040555.D

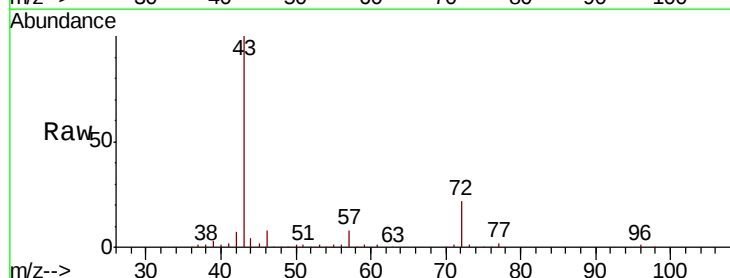
Acq: 08 Oct 2020 10:20

Tgt Ion: 43 Resp: 216476

Ion Ratio Lower Upper

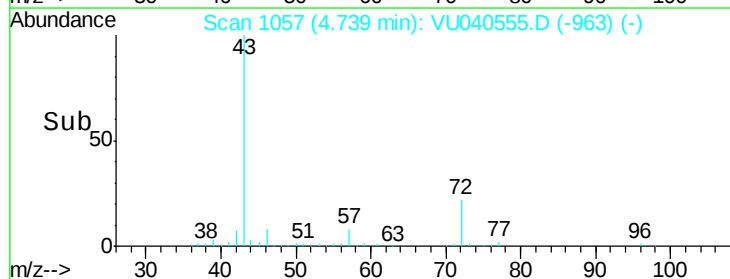
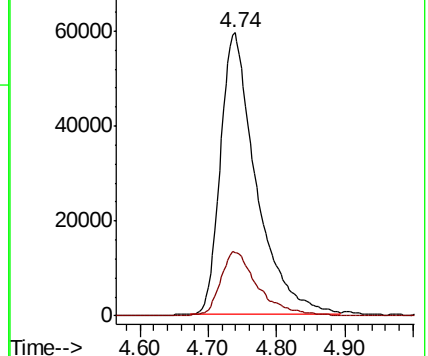
43 100

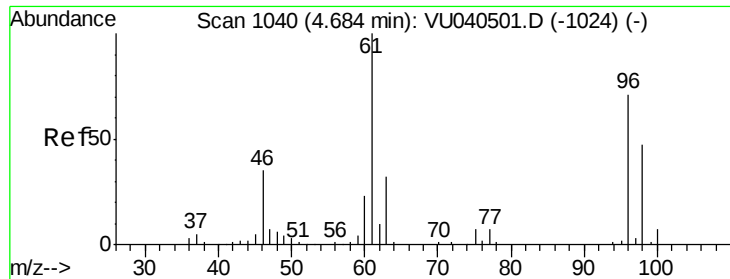
72 24.0 12.0 36.1



Abundance Ion 43.05 (42.75 to 43.75): VU040555.D (-963) (-)

Ion 72.10 (71.80 to 72.80): VU040555.D (-963) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.829 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

Instrument :

MSVOA_U

ClientSampleId :

BFB15

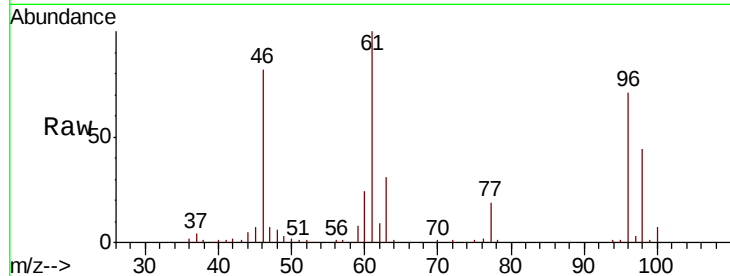
Tot Ion: 96 Resp: 54543

Ion Ratio Lower Upper

96 100

61 141.0 99.3 184.5

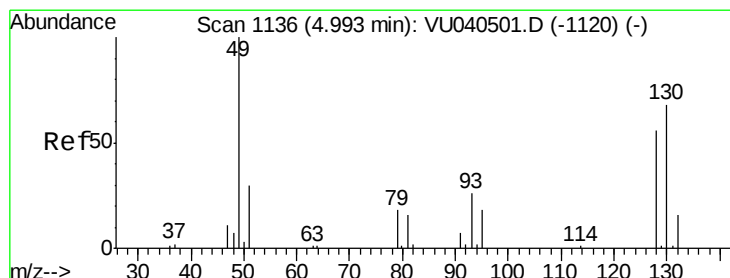
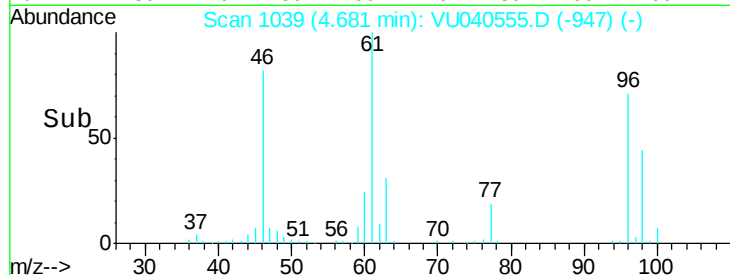
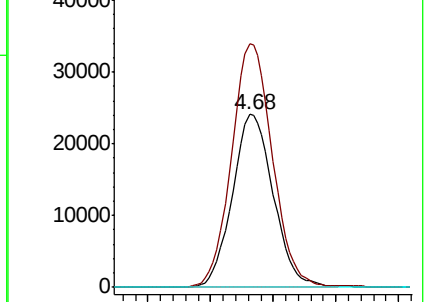
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040555.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040555.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040555.D (-947) (-)



#23

Bromochloromethane

Concen: 5.218 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

Tgt Ion: 128 Resp: 26984

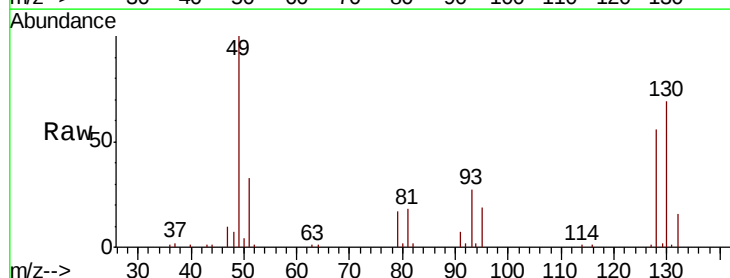
Ion Ratio Lower Upper

128 100

49 178.3 134.6 250.0

130 123.2 91.1 169.1

51 58.7 50.6 75.8

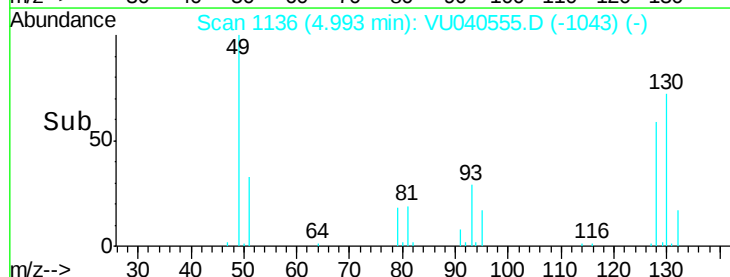
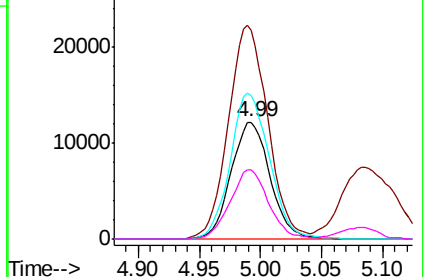


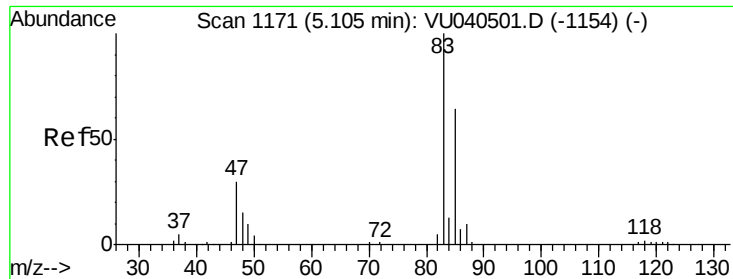
Abundance Ion 127.90 (127.60 to 128.60): VU040555.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU040555.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU040555.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU040555.D (-1043) (-)

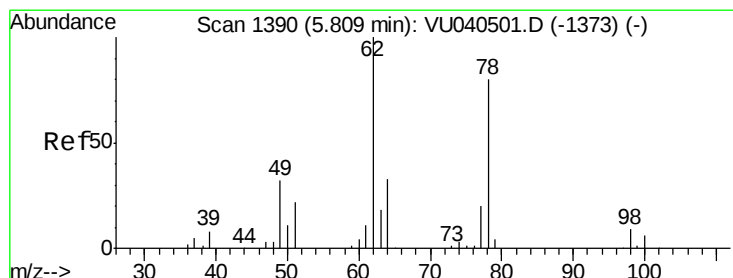
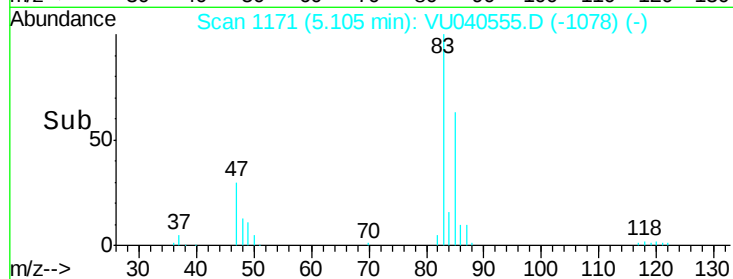
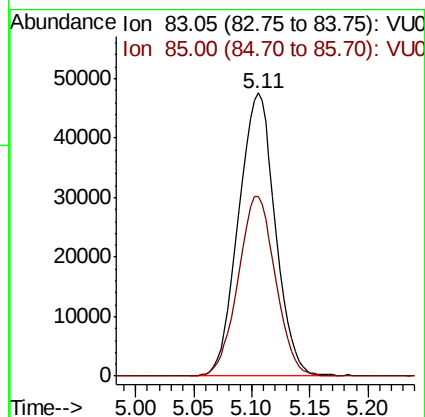
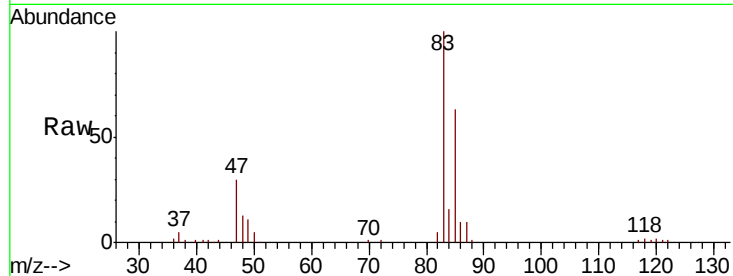




#25
Chloroform
Concen: 4.907 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040555.D
Acq: 08 Oct 2020 10:20

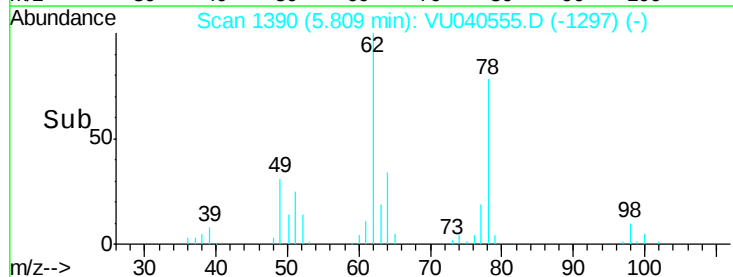
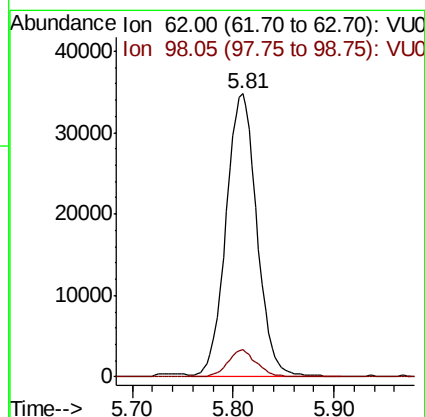
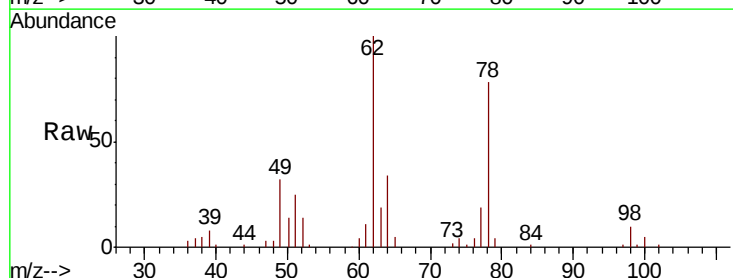
Instrument :
MSVOA_U
ClientSampled :
BFB15

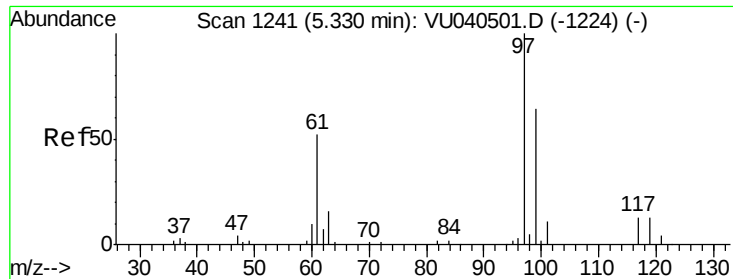
Tot Ion: 83 Resp: 104888
Ion Ratio Lower Upper
83 100
85 63.5 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.019 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040555.D
Acq: 08 Oct 2020 10:20

Tgt Ion: 62 Resp: 74286
Ion Ratio Lower Upper
62 100
98 9.5 7.5 11.3

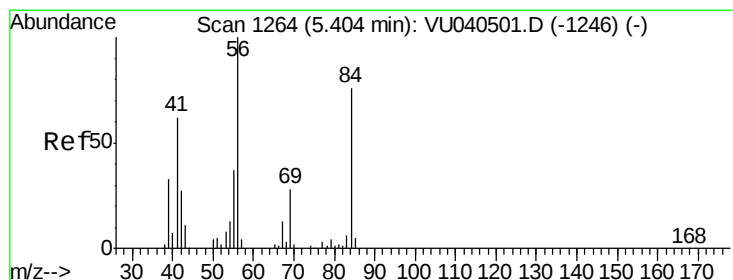
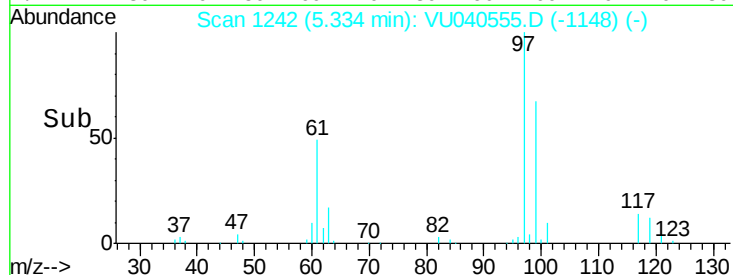
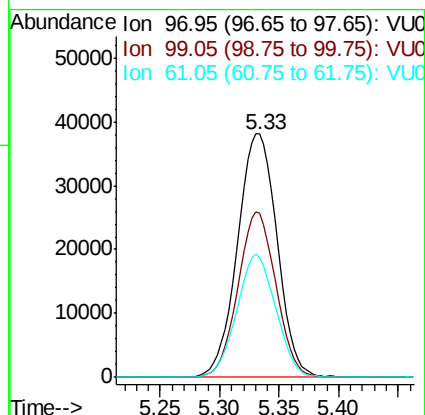
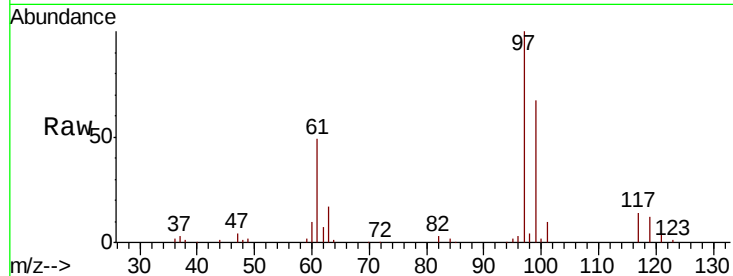




#29
 1,1,1-Trichloroethane
 Concen: 5.046 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040555.D
 Acq: 08 Oct 2020 10:20

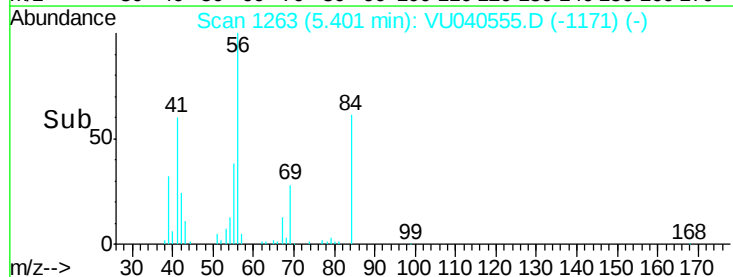
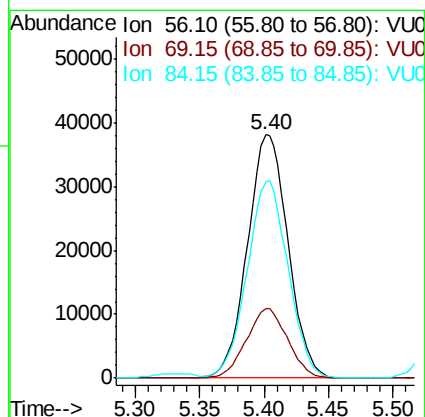
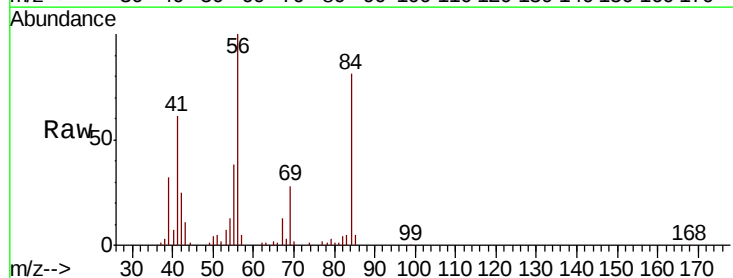
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB15

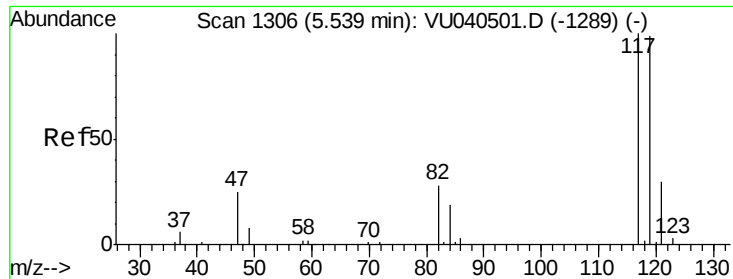
Tot Ion: 97 Resp: 87992
 Ion Ratio Lower Upper
 97 100
 99 65.0 50.7 76.1
 61 49.7 39.7 59.5



#30
 Cyclohexane
 Concen: 4.640 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VU040555.D
 Acq: 08 Oct 2020 10:20

Tgt Ion: 56 Resp: 83715
 Ion Ratio Lower Upper
 56 100
 69 28.9 23.3 34.9
 84 82.1 64.2 96.4

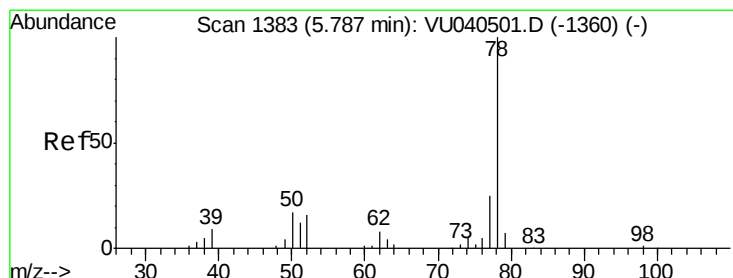
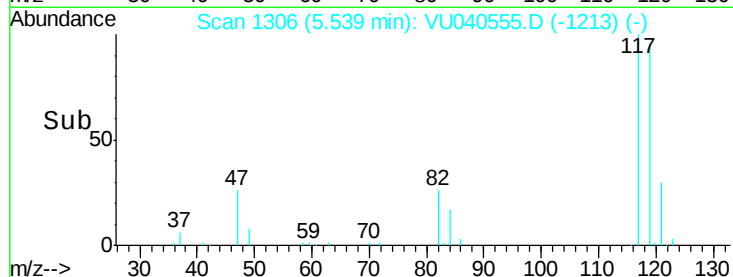
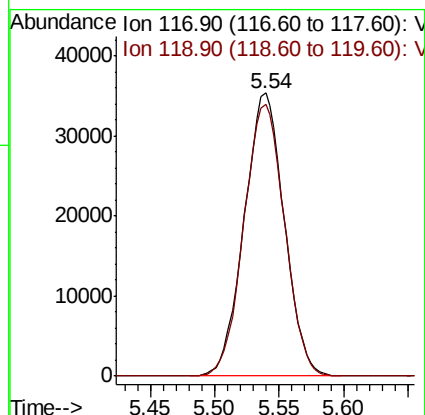
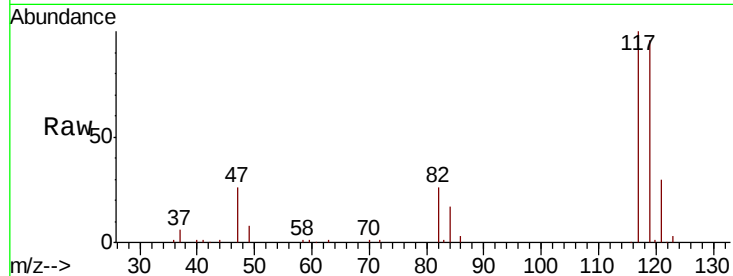




#31
Carbon tetrachloride
Concen: 5.111 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU040555.D
Acq: 08 Oct 2020 10:20

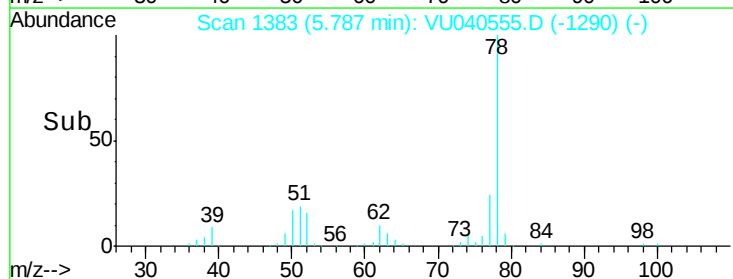
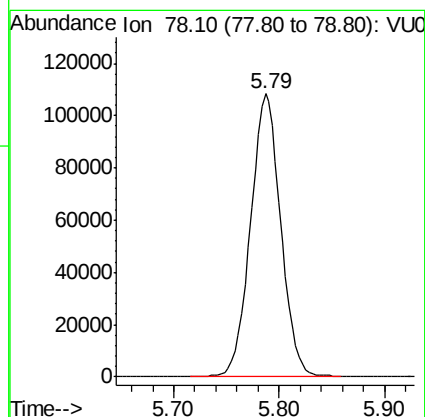
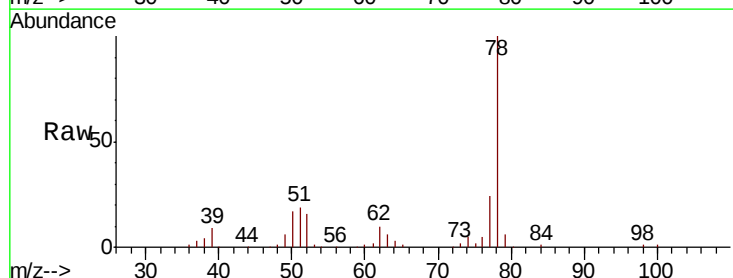
Instrument :
MSVOA_U
ClientSampleId :
BFB15

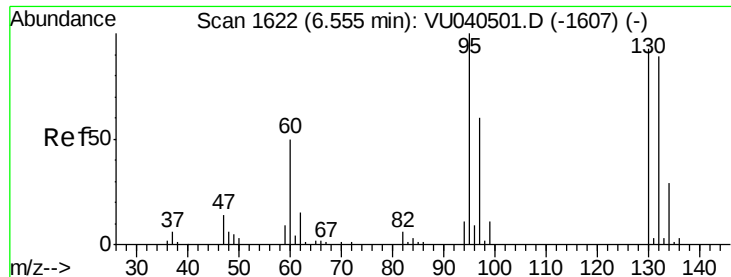
Tot Ion:117 Resp: 76427
Ion Ratio Lower Upper
117 100
119 97.6 77.5 116.3



#33
Benzene
Concen: 5.046 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU040555.D
Acq: 08 Oct 2020 10:20

Tgt Ion: 78 Resp: 215957

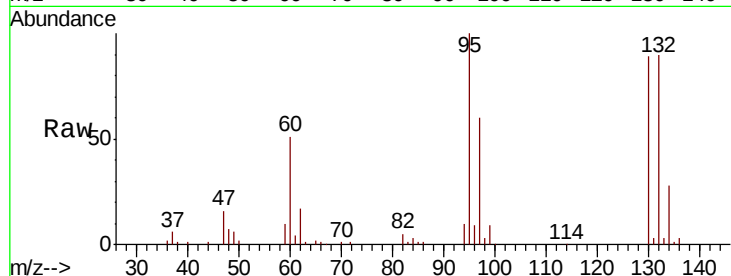




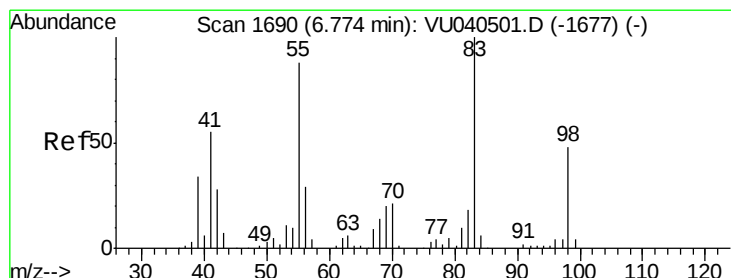
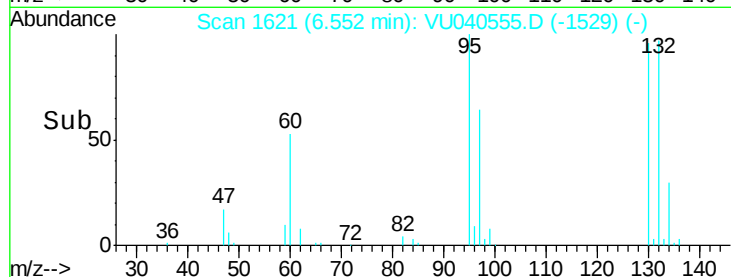
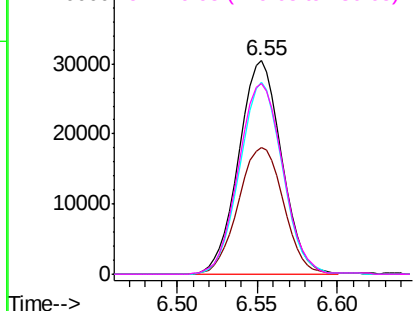
#34
 Trichloroethene
 Concen: 4.917 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040555.D
 Acq: 08 Oct 2020 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB15

Tot Ion: 95 Resp: 55866
 Ion Ratio Lower Upper
 95 100
 97 59.5 46.3 85.9
 132 90.1 60.5 112.3
 130 89.2 64.3 119.3

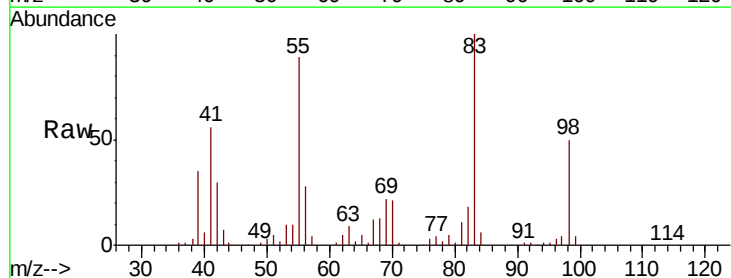


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

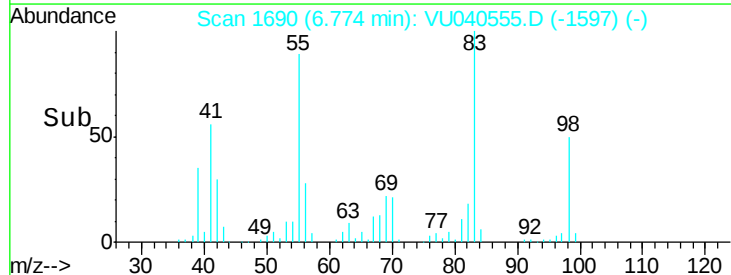
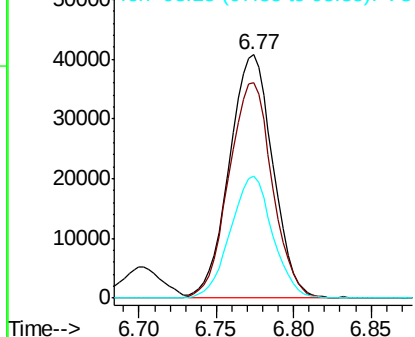


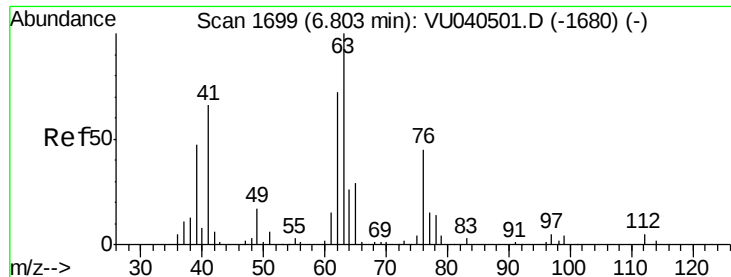
#35
 Methylcyclohexane
 Concen: 4.784 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040555.D
 Acq: 08 Oct 2020 10:20

Tgt Ion: 83 Resp: 79719
 Ion Ratio Lower Upper
 83 100
 55 88.2 71.4 107.2
 98 48.5 38.5 57.7



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: 5.087 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

Instrument :

MSVOA_U

ClientSampleId :

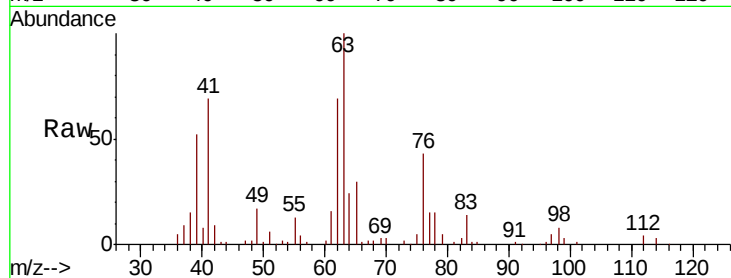
BFB15

Tot Ion: 63 Resp: 60639

Ion Ratio Lower Upper

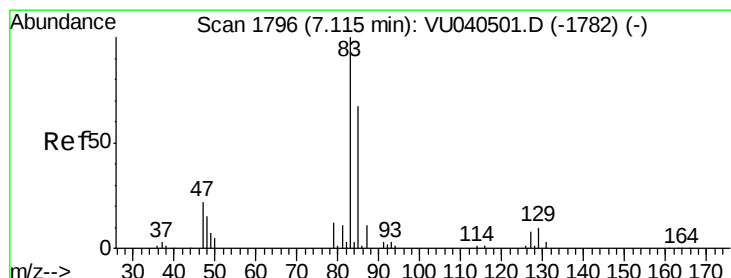
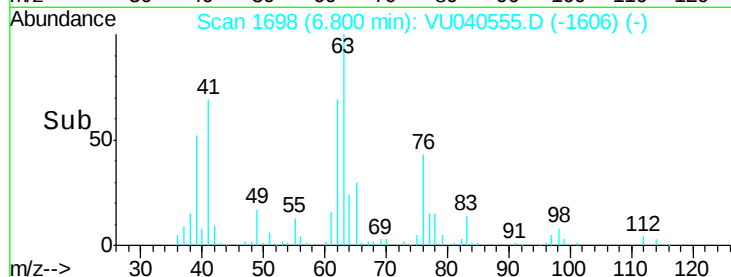
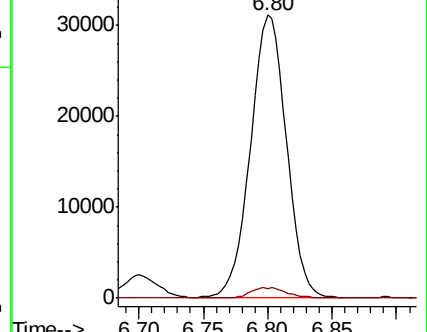
63 100

112 3.6 3.2 4.8



Abundance Ion 63.10 (62.80 to 63.80): VU040501.D (-1680) (-)

Ion 112.10 (111.80 to 112.80): VU040501.D (-1680) (-)



#38

Bromodichloromethane

Concen: 5.192 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

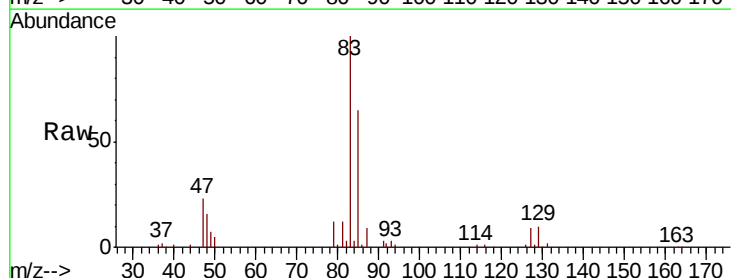
Tgt Ion: 83 Resp: 76407

Ion Ratio Lower Upper

83 100

85 65.0 45.1 83.9

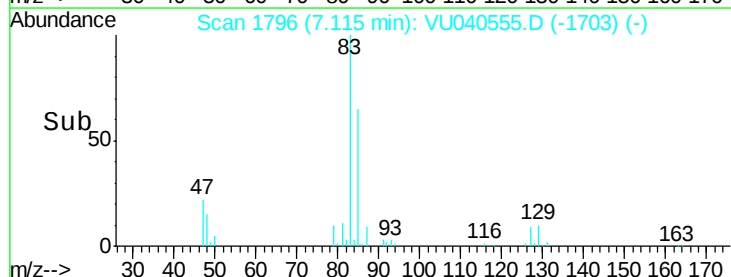
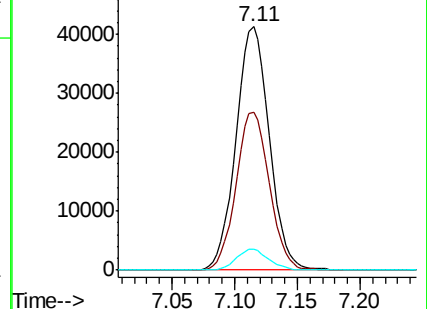
127 8.7 6.6 9.8

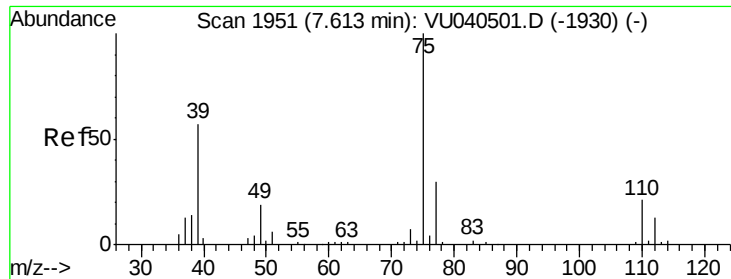


Abundance Ion 82.95 (82.65 to 83.65): VU040501.D (-1782) (-)

Ion 85.00 (84.70 to 85.70): VU040501.D (-1782) (-)

Ion 126.90 (126.60 to 127.60): VU040501.D (-1782) (-)

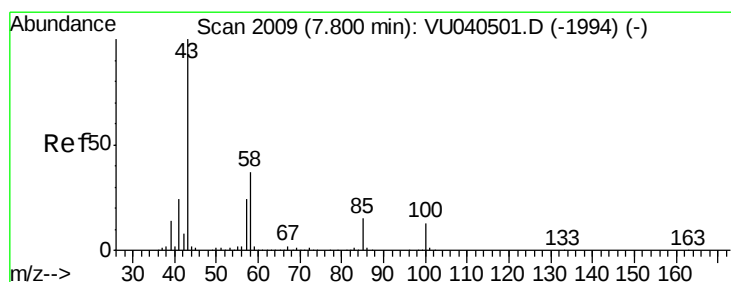
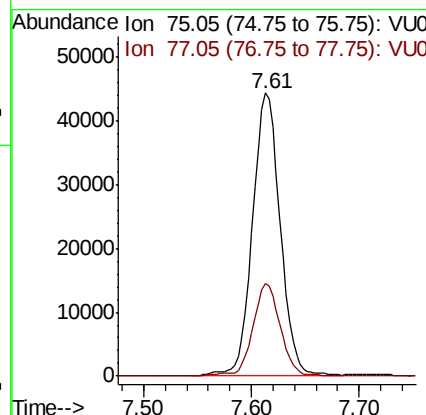
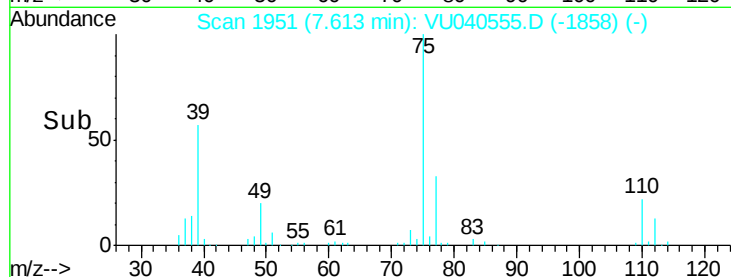
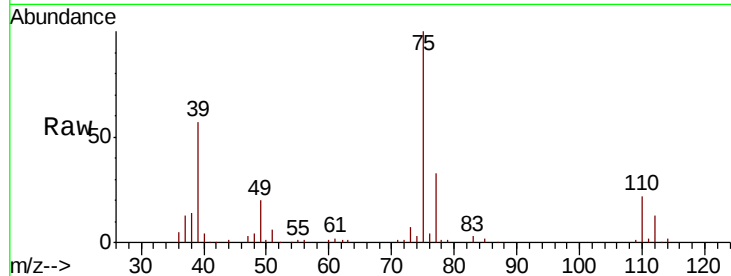




#39
 cis-1,3-Dichloropropene
 Concen: 4.969 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU040555.D
 Acq: 08 Oct 2020 10:20

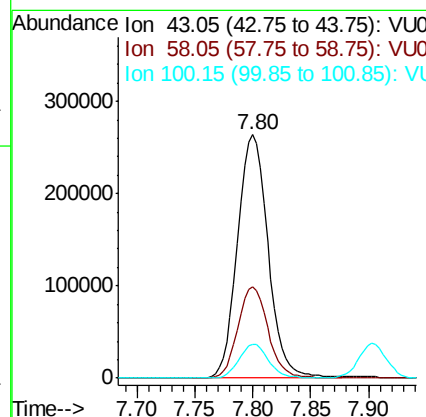
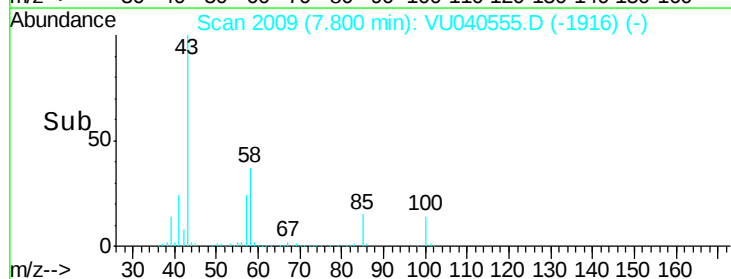
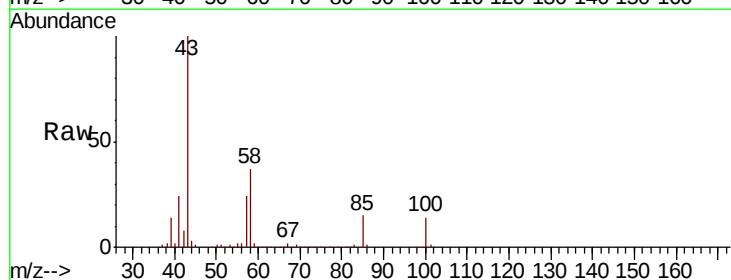
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB15

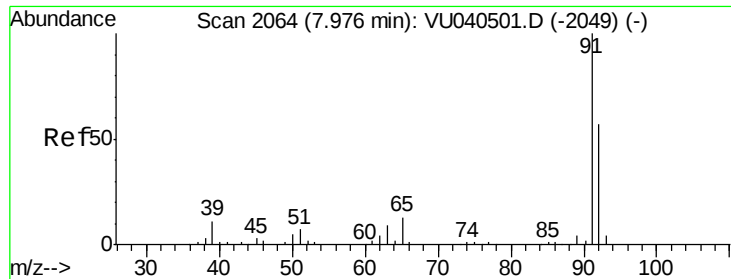
Tot Ion: 75 Resp: 79430
 Ion Ratio Lower Upper
 75 100
 77 32.7 23.5 43.7



#40
 4-Methyl-2-pentanone
 Concen: 51.906 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040555.D
 Acq: 08 Oct 2020 10:20

Tgt Ion: 43 Resp: 484493
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.2 43.8
 100 13.4 10.3 15.5





#42

Toluene

Concen: 5.056 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

Instrument :

MSVOA_U

ClientSampleID :

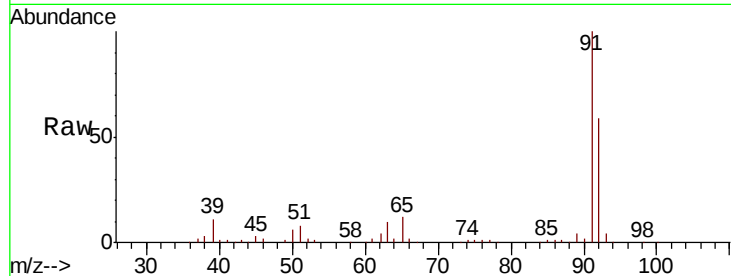
BFB15

Tot Ion: 91 Resp: 221905

Ion Ratio Lower Upper

91 100

92 58.8 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU040501.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040501.D (-2049) (-)

7.97

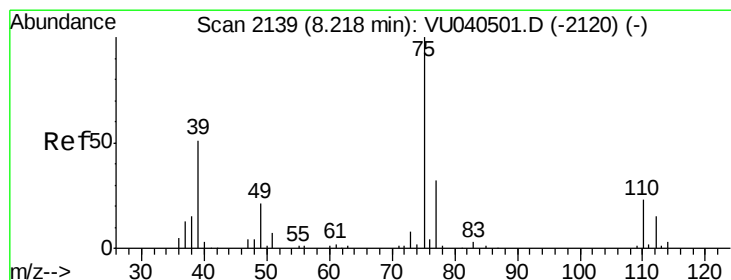
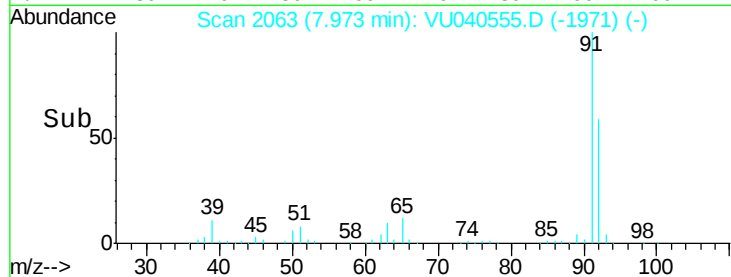
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.191 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040555.D

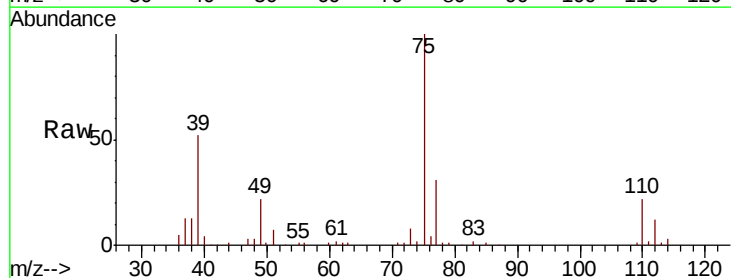
Acq: 08 Oct 2020 10:20

Tgt Ion: 75 Resp: 76505

Ion Ratio Lower Upper

75 100

77 30.9 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU040501.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040501.D (-2120) (-)

8.21

50000

40000

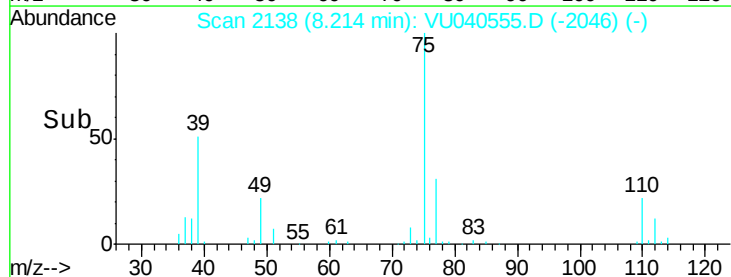
30000

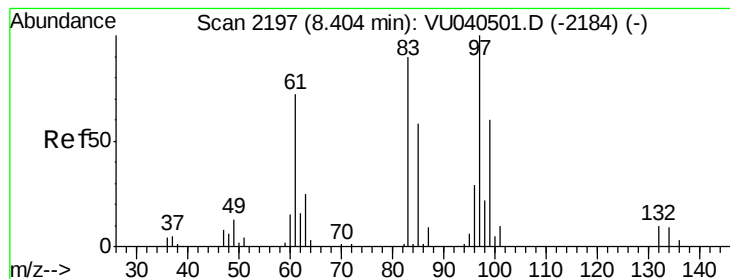
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.388 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

Instrument :

MSVOA_U

ClientSampleId :

BFB15

Tot Ion: 97 Resp: 45020

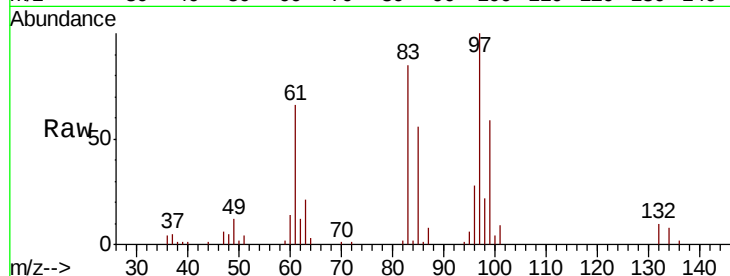
Ion Ratio Lower Upper

97 100

99 58.6 45.8 85.0

83 85.3 62.9 116.9

85 55.8 41.7 77.5

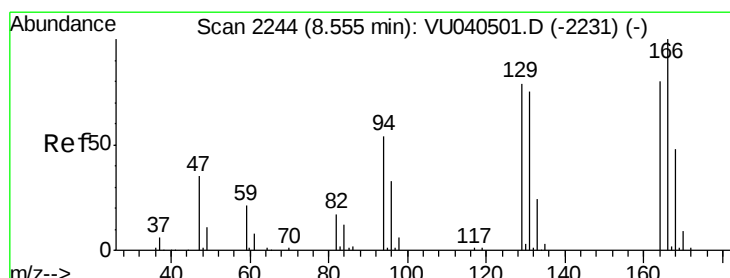
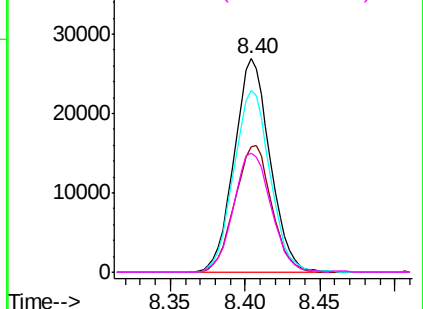
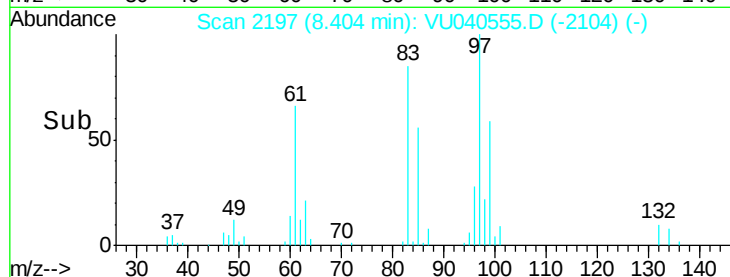


Abundance Ion 96.95 (96.65 to 97.65): VU0

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# 2244

Delta R.T. 0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

Tgt Ion: 164 Resp: 40882

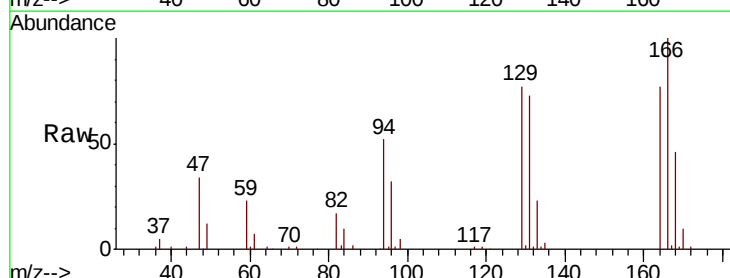
Ion Ratio Lower Upper

164 100

129 99.5 70.3 130.7

131 94.1 69.2 128.6

166 129.6 91.1 169.3

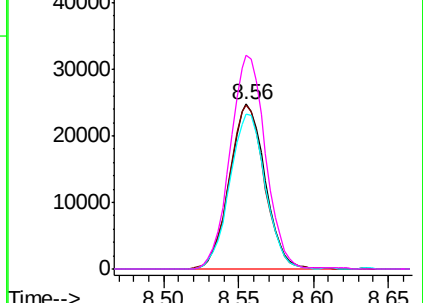
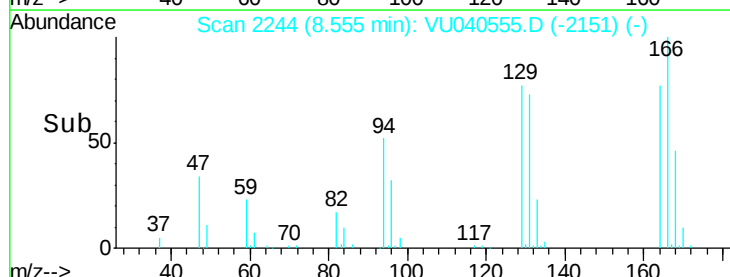


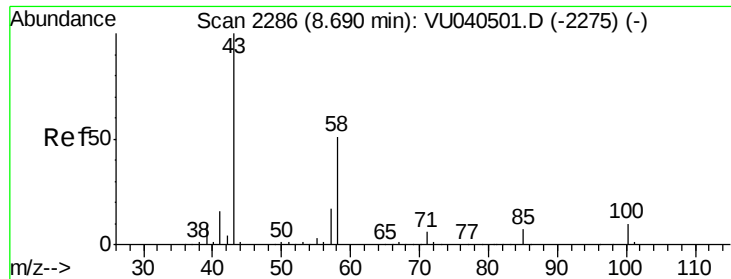
Abundance Ion 163.90 (163.60 to 164.60): V

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

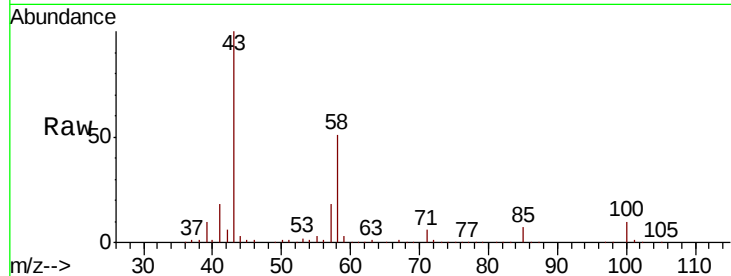




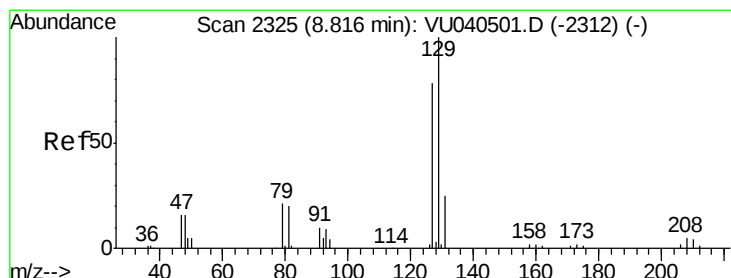
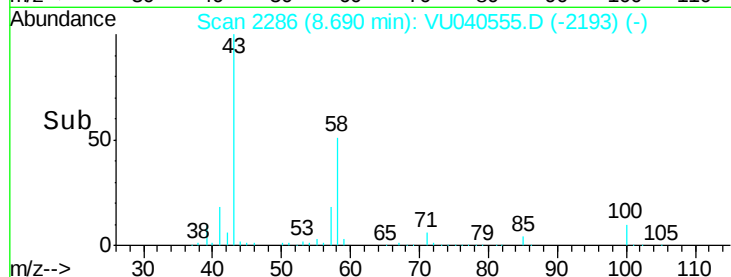
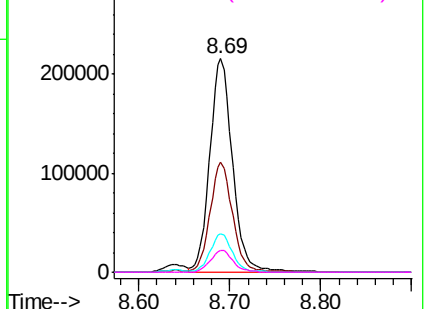
#48
2-Hexanone
Concen: 54.505 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040555.D
Acq: 08 Oct 2020 10:20

Instrument :
MSVOA_U
ClientSampleId :
BFB15

Tot Ion: 43 Resp: 374888
Ion Ratio Lower Upper
43 100
58 50.9 41.0 61.4
57 17.9 14.6 22.0
100 10.5 8.2 12.4

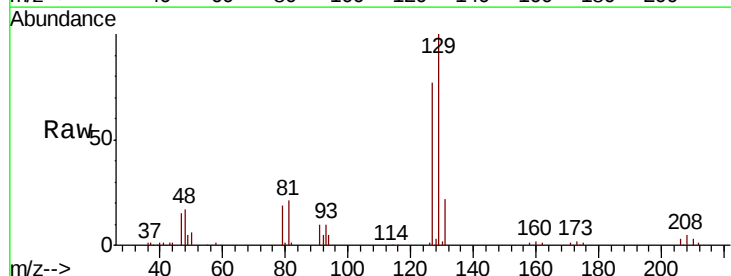


Abundance Ion 43.05 (42.75 to 43.75): VU040555.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040555.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040555.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040555.D (-2193) (-)

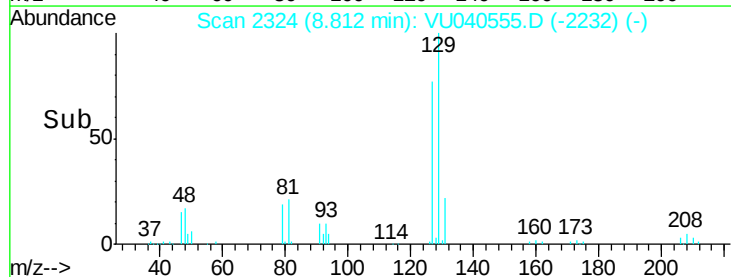
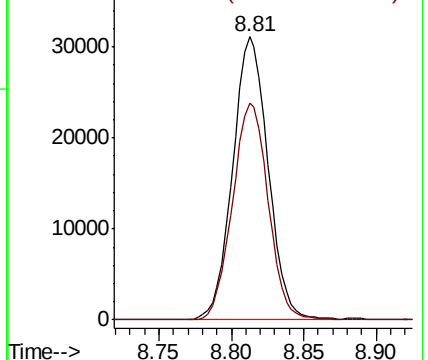


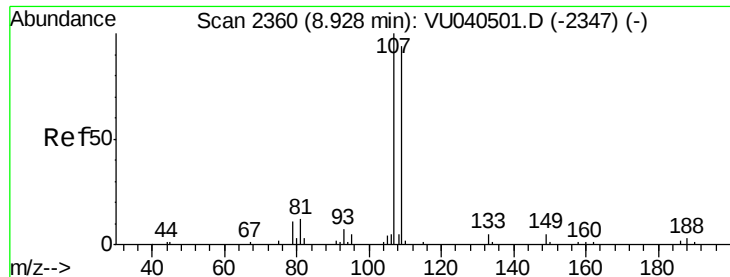
#49
Dibromochloromethane
Concen: 5.433 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040555.D
Acq: 08 Oct 2020 10:20

Tgt Ion: 129 Resp: 52802
Ion Ratio Lower Upper
129 100
127 76.8 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): VU040555.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VU040555.D (-2232) (-)

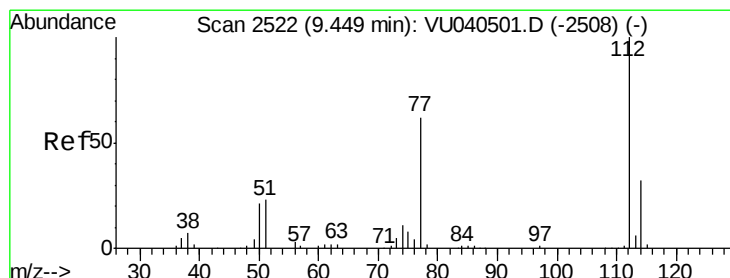
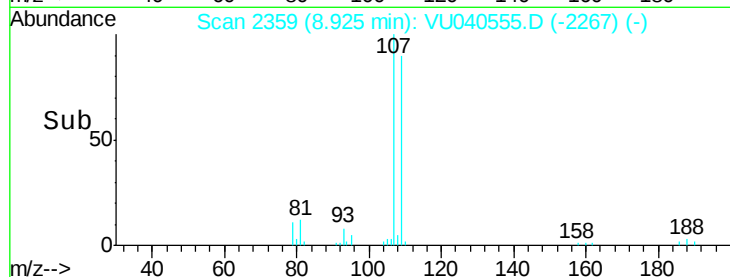
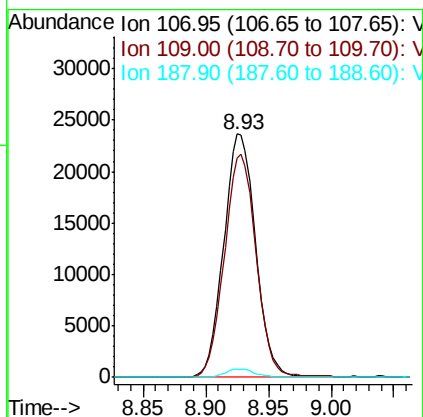
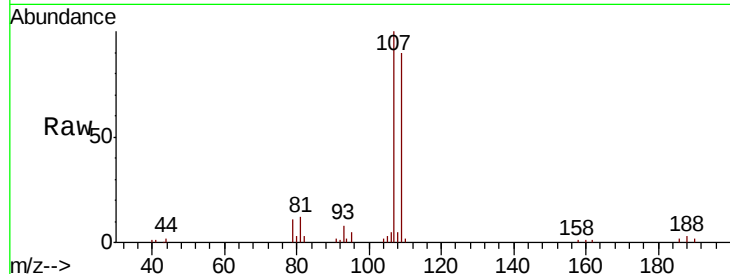




#50
1,2-Dibromoethane
Concen: 5.199 ug/L
RT: 8.93 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU040555.D
Acq: 08 Oct 2020 10:20

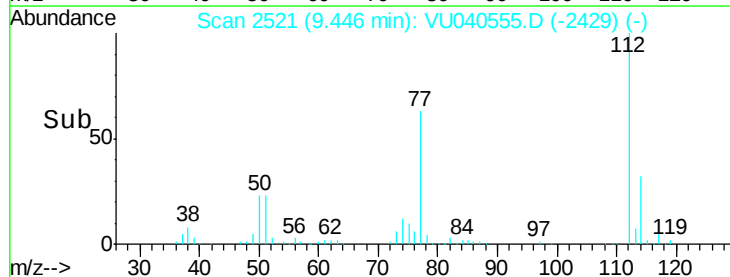
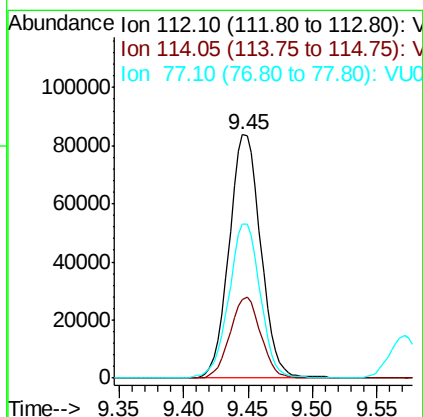
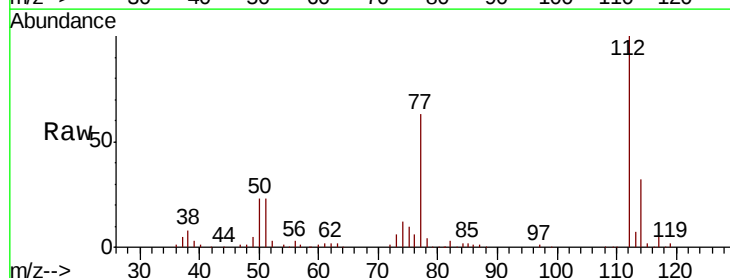
Instrument :
MSVOA_U
ClientSampleId :
BFB15

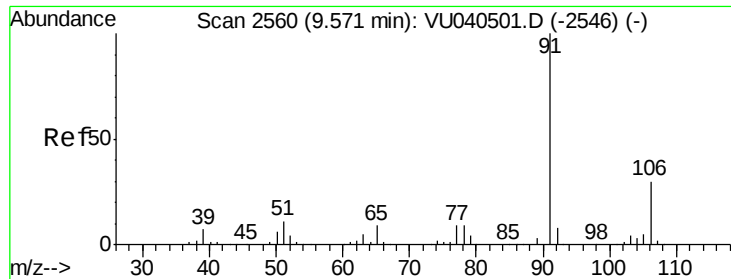
Tot Ion	Ratio	Lower	Upper
107	100		
109	89.8	69.4	128.8
188	3.4	3.3	4.9



#51
Chlorobenzene
Concen: 5.034 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU040555.D
Acq: 08 Oct 2020 10:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.0	40.8
77	63.3	49.5	74.3





#52

Ethylbenzene

Concen: 5.025 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

Instrument :

MSVOA_U

ClientSampleId :

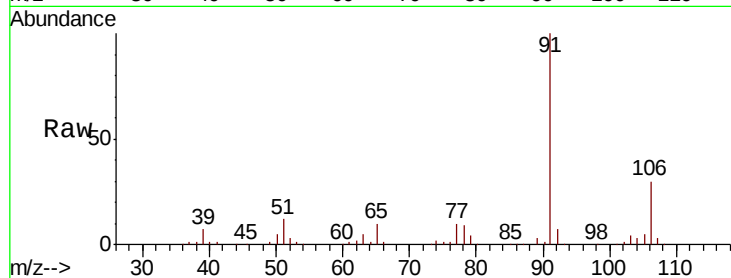
BFB15

Tot Ion: 91 Resp: 239314

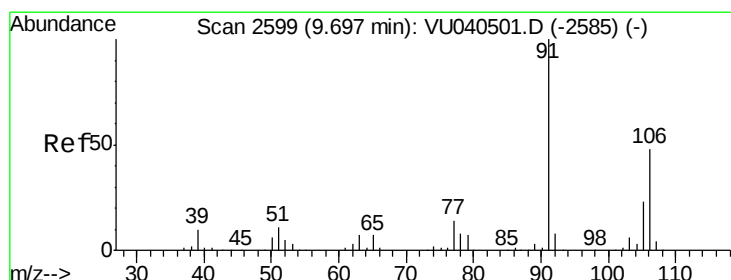
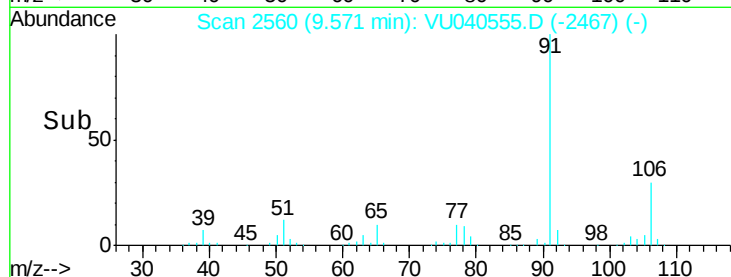
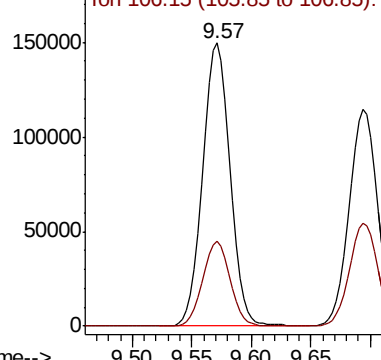
Ion Ratio Lower Upper

91 100

106 29.9 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU040555.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.116 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040555.D

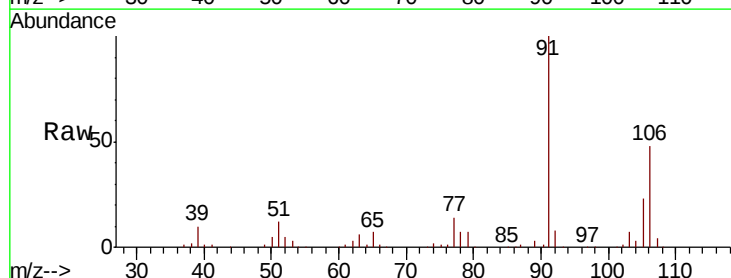
Acq: 08 Oct 2020 10:20

Tgt Ion: 106 Resp: 90772

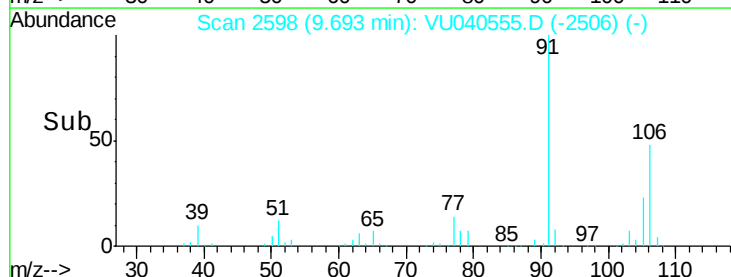
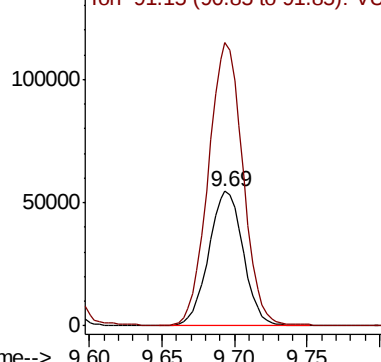
Ion Ratio Lower Upper

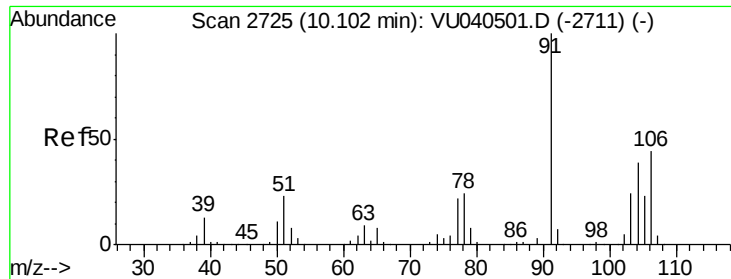
106 100

91 210.5 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): VU040555.D (-2598) (-)

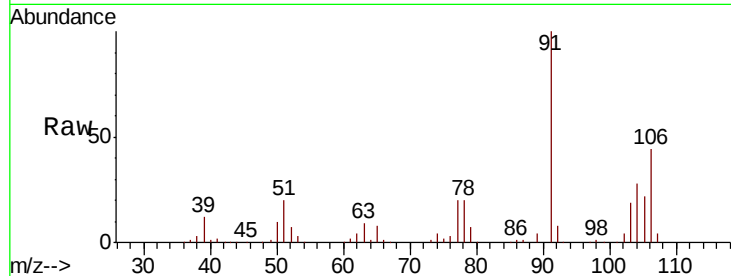




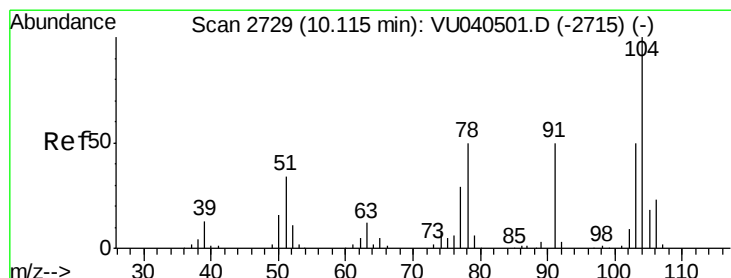
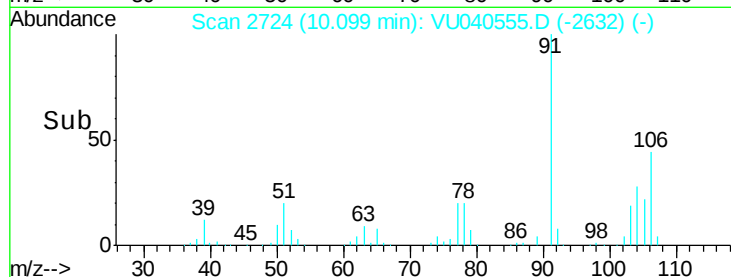
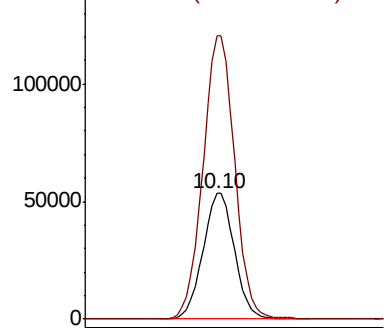
#54
o-Xylene
Concen: 5.108 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040555.D
Acq: 08 Oct 2020 10:20

Instrument :
MSVOA_U
ClientSampleId :
BFB15

Tot Ion:106 Resp: 85257
Ion Ratio Lower Upper
106 100
91 225.3 160.9 298.9

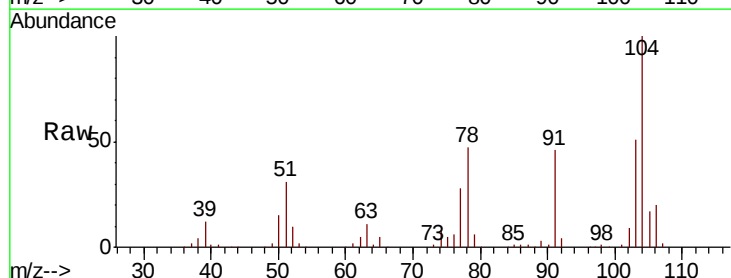


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

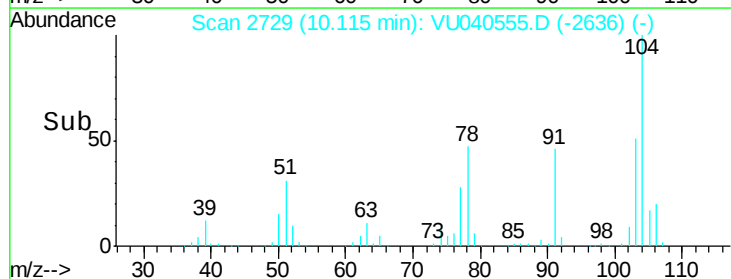
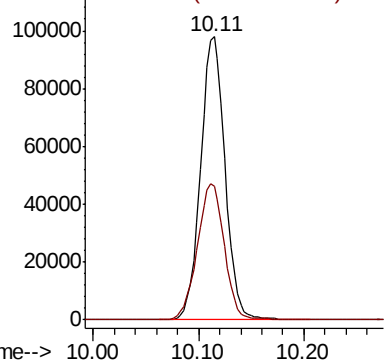


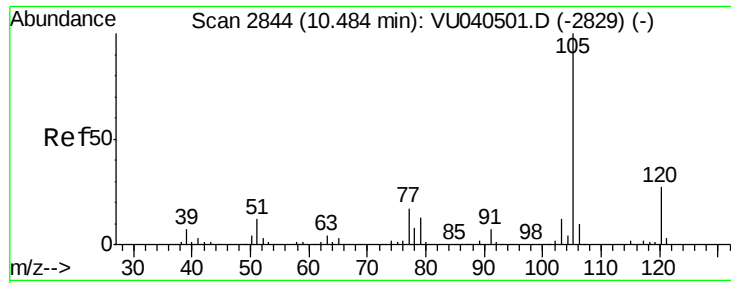
#55
Styrene
Concen: 5.384 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040555.D
Acq: 08 Oct 2020 10:20

Tgt Ion:104 Resp: 156730
Ion Ratio Lower Upper
104 100
78 47.2 34.4 63.8



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





#56

Isopropylbenzene

Concen: 5.204 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

Instrument :

MSVOA_U

ClientSampleId :

BFB15

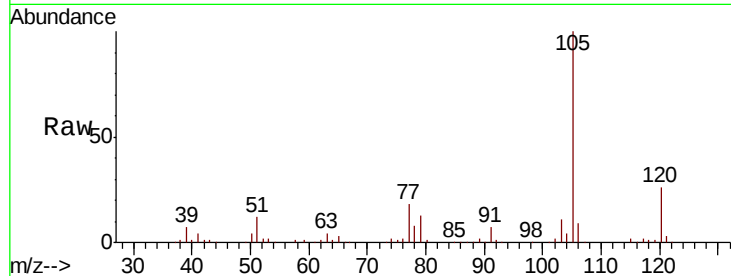
Tot Ion:105 Resp: 234408

Ion Ratio Lower Upper

105 100

120 26.3 20.6 30.8

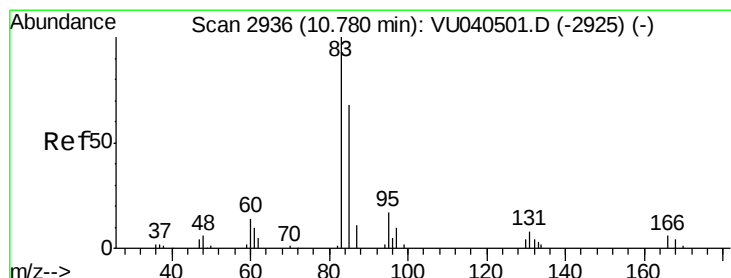
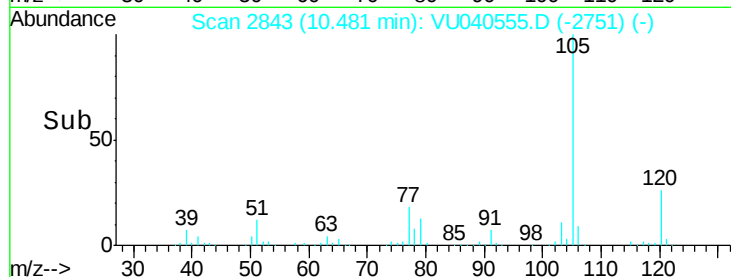
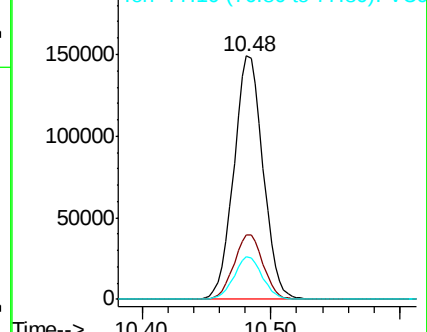
77 17.1 14.3 21.5



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: 5.111 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

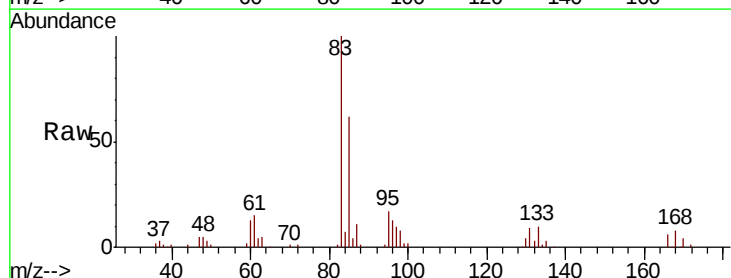
Tgt Ion: 83 Resp: 57880

Ion Ratio Lower Upper

83 100

85 61.9 45.1 83.9

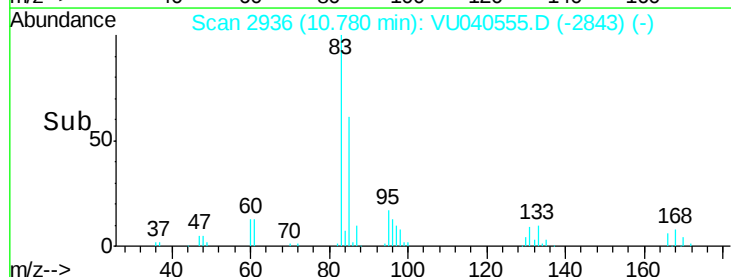
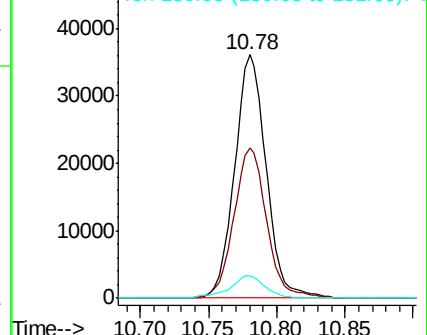
131 9.3 6.6 10.0

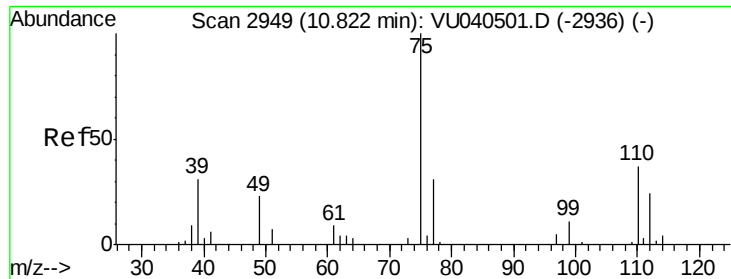


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

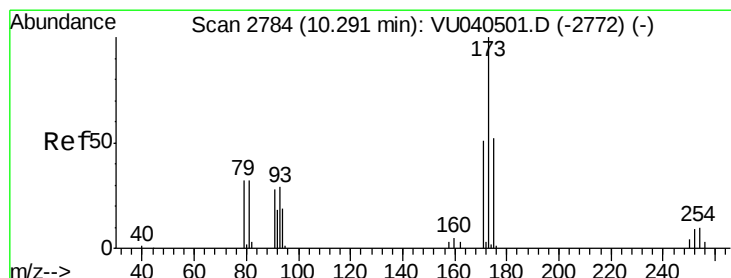
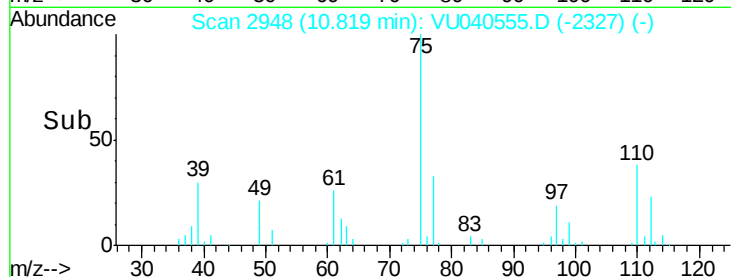
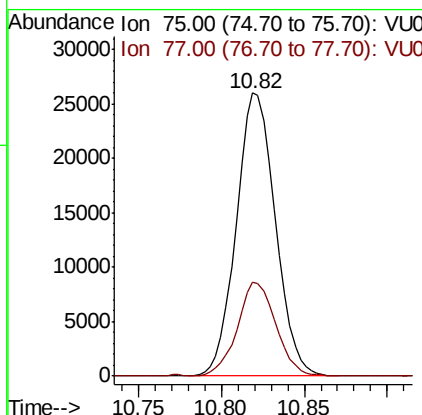
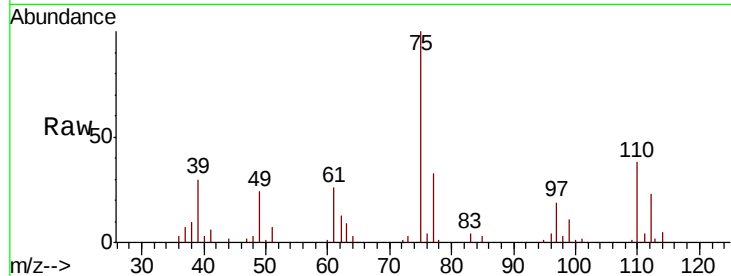




#59
 1,2,3-Trichloropropane
 Concen: 4.933 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU040555.D
 Acq: 08 Oct 2020 10:20

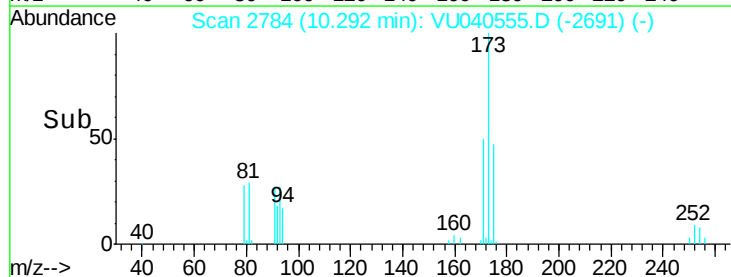
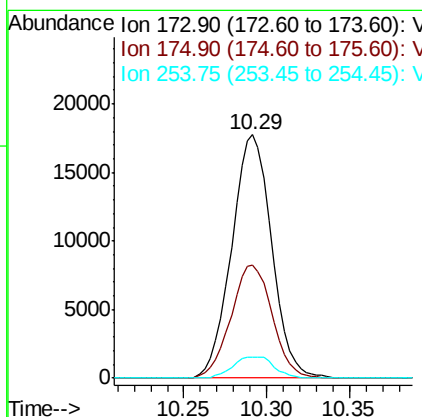
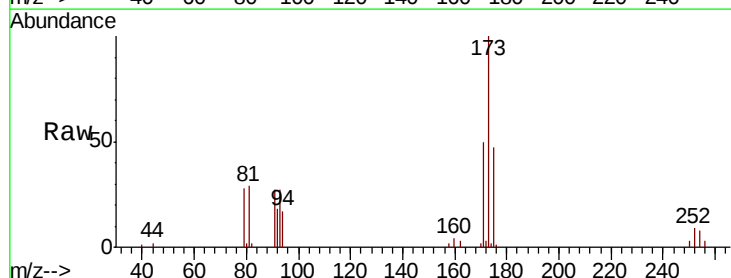
Instrument :
 MSVOA_U
 ClientSampled :
 BFB15

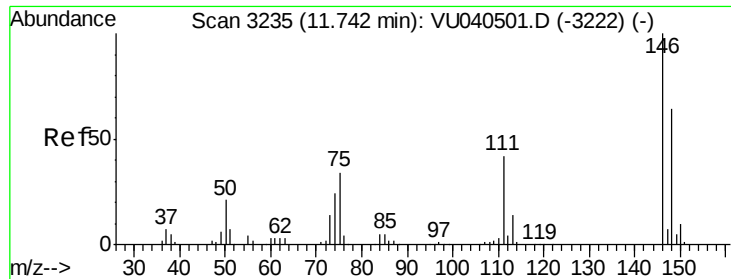
Tot Ion: 75 Resp: 42618
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.7 38.5



#61
 Bromoform
 Concen: 5.214 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040555.D
 Acq: 08 Oct 2020 10:20

Tgt Ion: 173 Resp: 29799
 Ion Ratio Lower Upper
 173 100
 175 47.9 39.6 59.4
 254 9.0 7.0 10.4

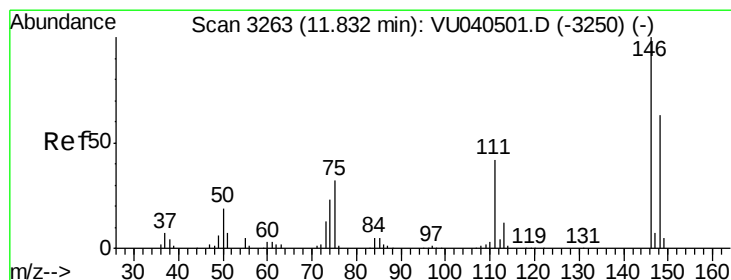
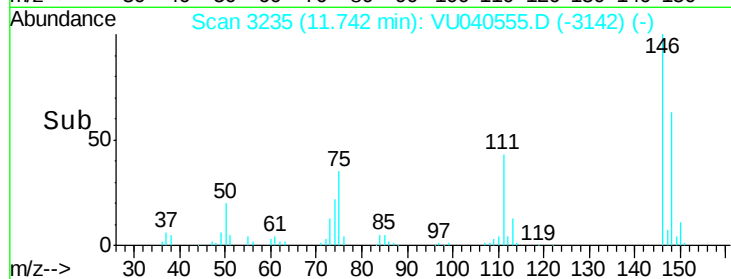
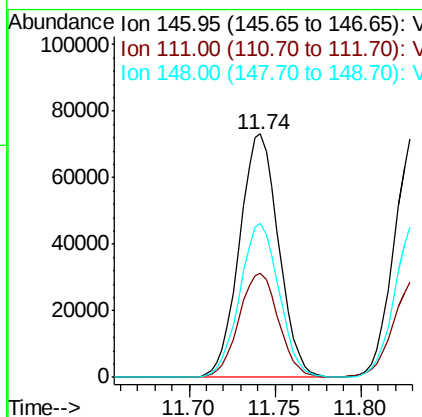
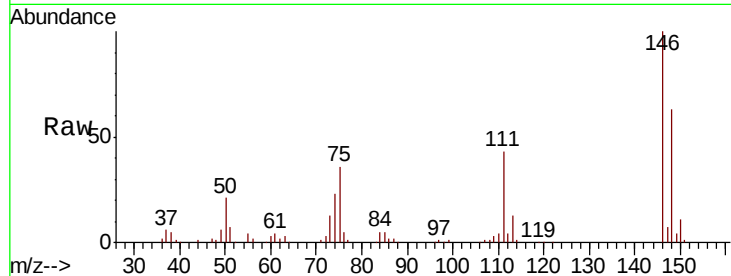




#62
 1,3-Dichlorobenzene
 Concen: 5.048 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040555.D
 Acq: 08 Oct 2020 10:20

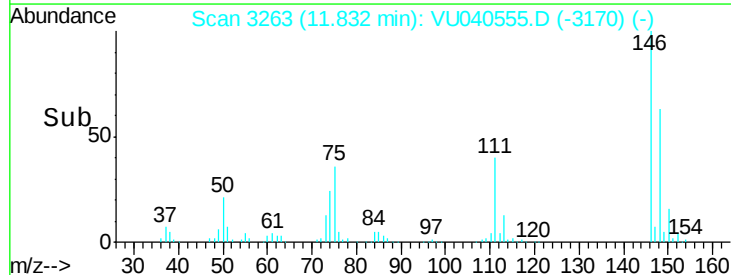
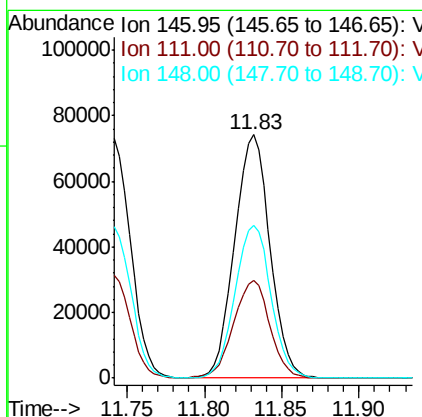
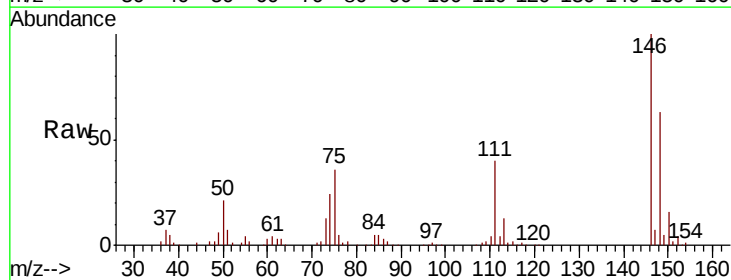
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB15

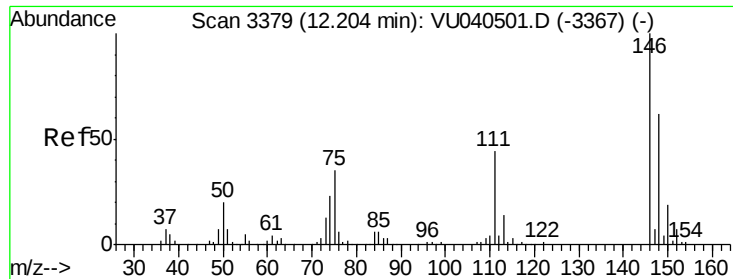
Tot Ion:146 Resp: 115581
 Ion Ratio Lower Upper
 146 100
 111 42.6 28.6 53.0
 148 63.1 43.4 80.6



#63
 1,4-Dichlorobenzene
 Concen: 4.948 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040555.D
 Acq: 08 Oct 2020 10:20

Tgt Ion:146 Resp: 117839
 Ion Ratio Lower Upper
 146 100
 111 40.4 29.2 54.2
 148 62.7 44.4 82.4





#65

1,2-Dichlorobenzene

Concen: 4.972 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

Instrument :

MSVOA_U

ClientSampled :

BFB15

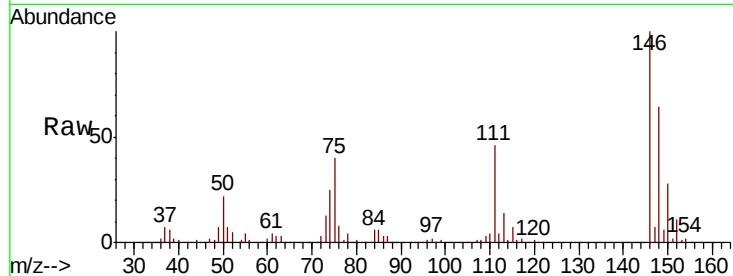
Tot Ion:146 Resp: 110675

Ion Ratio Lower Upper

146 100

111 46.4 35.6 53.4

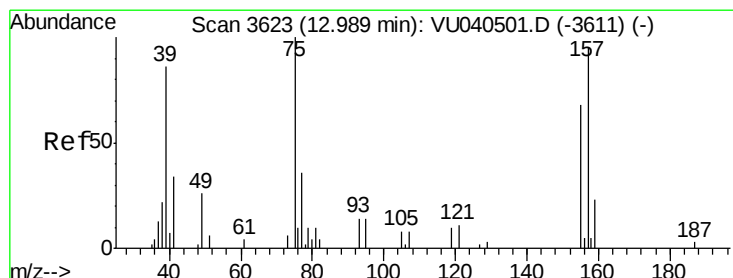
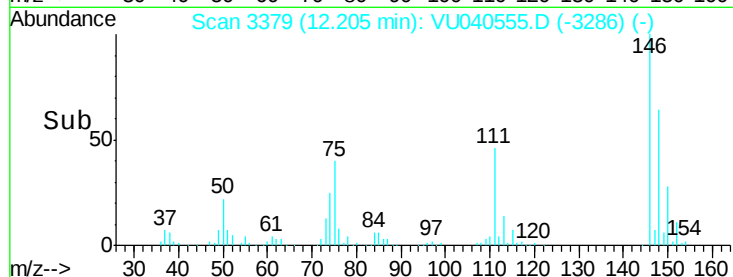
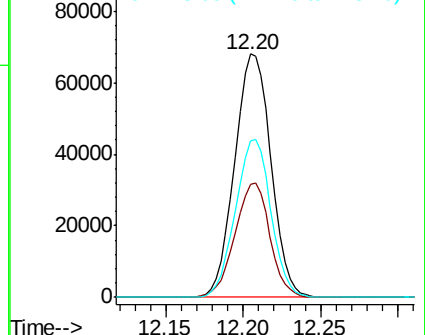
148 64.2 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.884 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

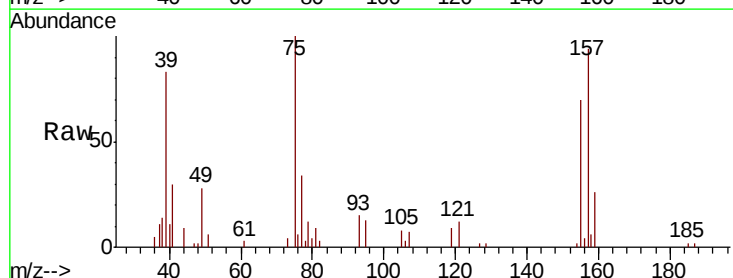
Tgt Ion: 75 Resp: 9798

Ion Ratio Lower Upper

75 100

155 70.4 59.4 89.2

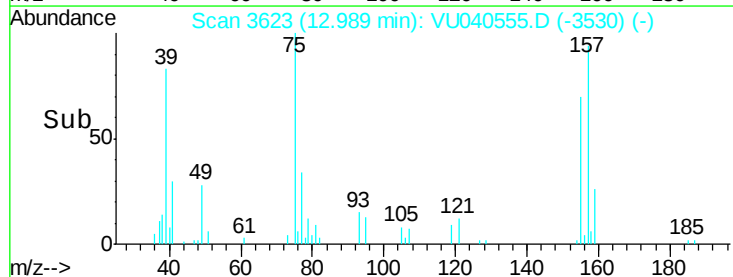
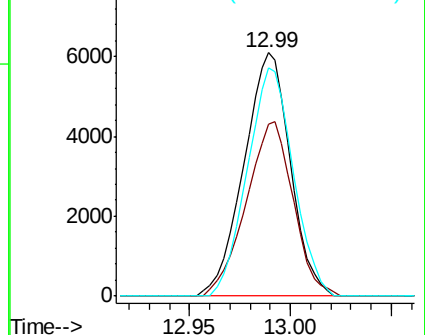
157 93.6 65.0 97.4

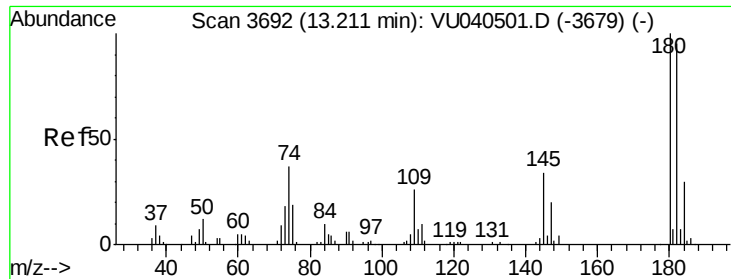


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

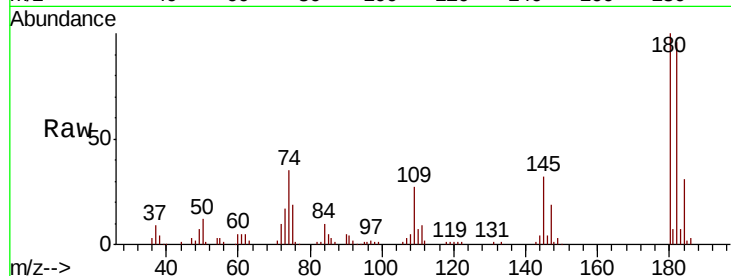




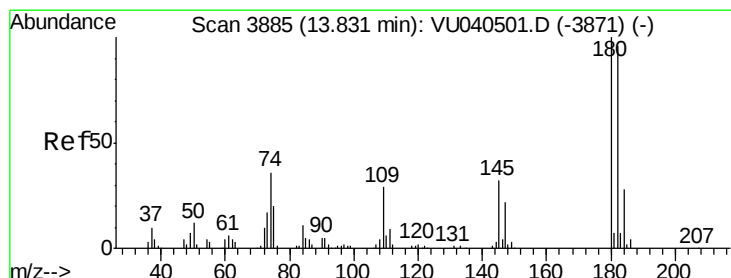
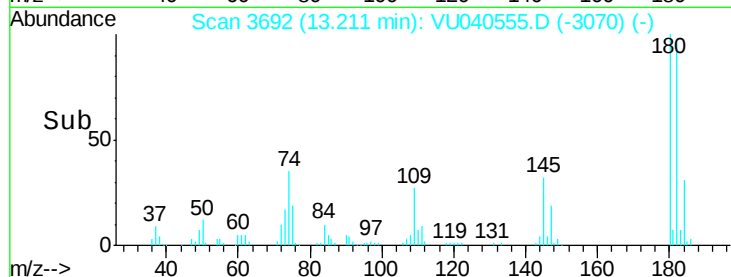
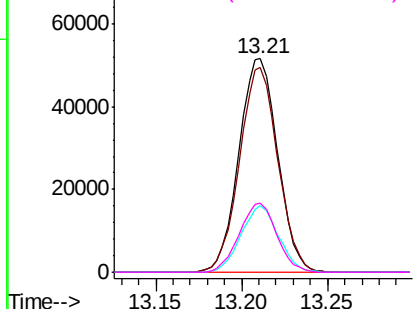
#67
 1,3,5-Trichlorobenzene
 Concen: 4.961 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040555.D
 Acq: 08 Oct 2020 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB15

Tot Ion:180 Resp: 81093
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.5 114.7
 184 30.0 24.6 37.0
 145 31.3 25.8 38.8

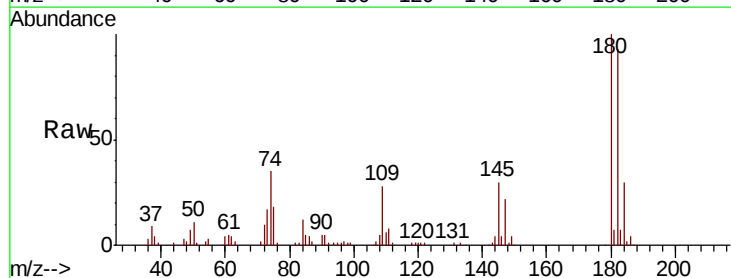


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

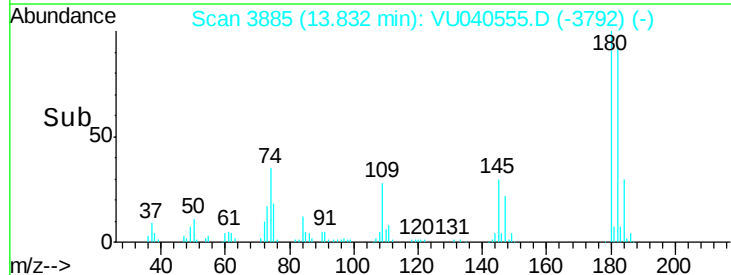
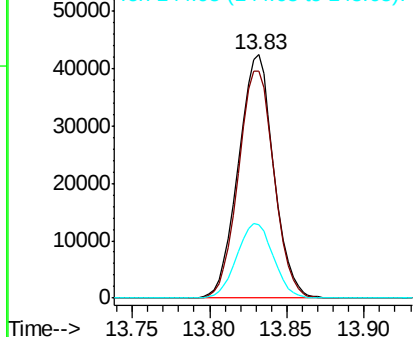


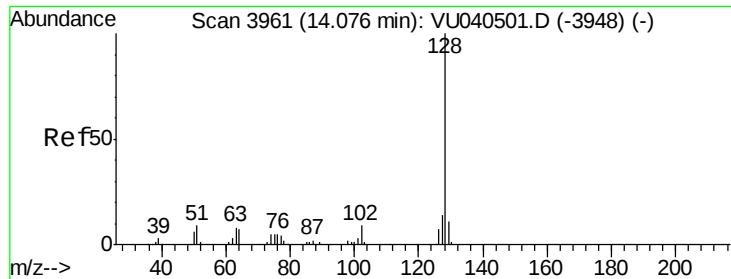
#68
 1,2,4-trichlorobenzene
 Concen: 5.116 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040555.D
 Acq: 08 Oct 2020 10:20

Tgt Ion:180 Resp: 67199
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.6 115.0
 145 31.6 26.3 39.5



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





#69

Naphthalene

Concen: 4.932 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

Instrument :

MSVOA_U

ClientSampleId :

BFB15

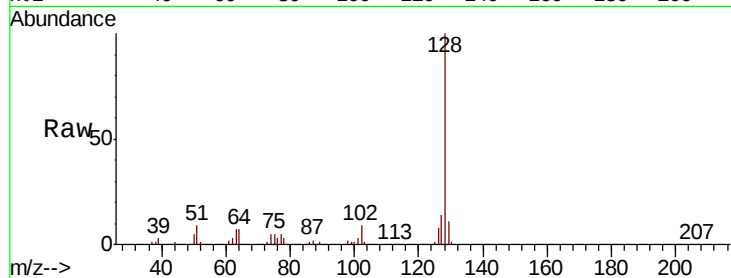
Tot Ion:128 Resp: 110708

Ion Ratio Lower Upper

128 100

129 11.0 8.2 12.4

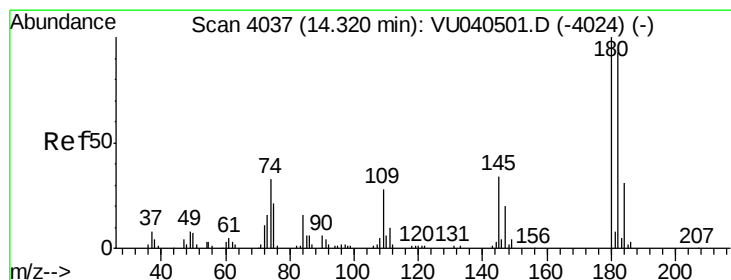
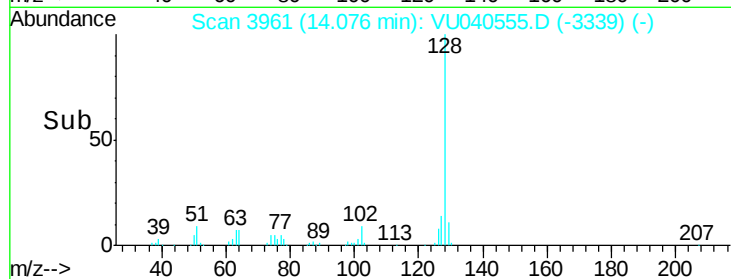
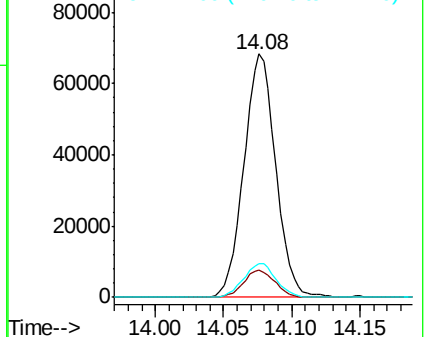
127 14.1 10.2 15.4



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: 5.287 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040555.D

Acq: 08 Oct 2020 10:20

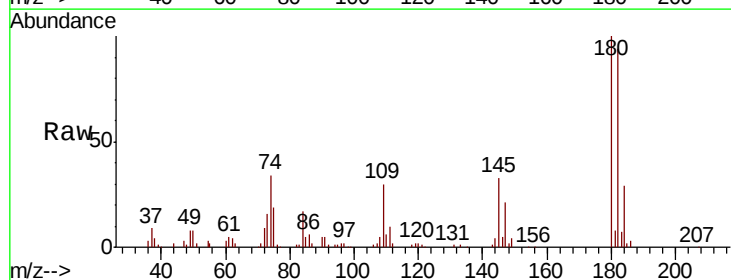
Tgt Ion:180 Resp: 63542

Ion Ratio Lower Upper

180 100

182 94.6 76.6 115.0

145 33.4 27.8 41.6



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

