

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122520\
 Data File : VU041803.D
 Acq On : 24 Dec 2020 13:38
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB202

Quant Time: Dec 25 03:41:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 24 15:37:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	147948	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132192	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	71663	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	44631	3.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.20%
7) Chloroethane-d5	1.92	69	45918	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.58	63	92312	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.60%
20) 2-Butanone-d5	4.65	46	188273	56.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.34%
24) Chloroform-d	5.08	84	102436	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.71	65	58096	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.74	84	192506	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.70	67	63887	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.60%
41) Toluene-d8	7.90	98	153951	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	8.18	79	25667	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	8.64	63	143662	49.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56539	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	62040	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	57835	4.614	ug/L 97
3) Chloromethane	1.52	50	56090	4.606	ug/L 99
5) Vinyl chloride	1.61	62	67358	5.009	ug/L 98
6) Bromomethane	1.86	94	47245	5.620	ug/L 99
8) Chloroethane	1.94	64	46477	5.089	ug/L 99
9) Trichlorofluoromethane	2.15	101	98057	5.762	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	56392	5.541	ug/L 96
12) 1,1-Dichloroethene	2.59	96	53691	5.350	ug/L 93
13) Acetone	2.65	43	112960	53.451	ug/L 97
14) Carbon disulfide	2.80	76	166248	4.793	ug/L 98
15) Methyl Acetate	2.96	43	27457	4.997	ug/L 95
16) Methylene chloride	3.06	84	64206	5.356	ug/L 96
17) Methyl tert-butyl Ether	3.38	73	142523	5.322	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	54087	5.210	ug/L 98
19) 1,1-Dichloroethane	3.88	63	104849	5.404	ug/L 97
21) 2-Butanone	4.73	43	180938	52.563	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	61384	5.350	ug/L 96

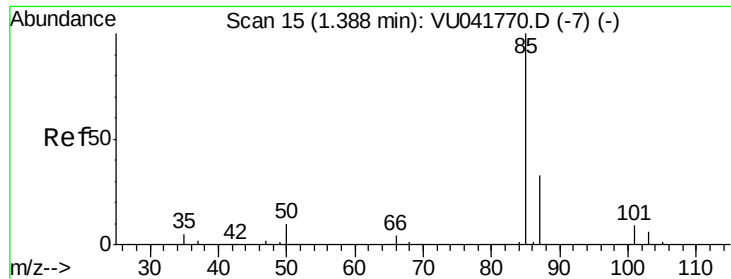
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122520\
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 Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	29823	5.659	ug/L	92
25) Chloroform	5.10	83	106453	5.448	ug/L	96
27) 1,2-Dichloroethane	5.81	62	69332	5.240	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	88953	5.860	ug/L	98
30) Cyclohexane	5.40	56	86588	5.089	ug/L	96
31) Carbon tetrachloride	5.54	117	78189	5.957	ug/L	98
33) Benzene	5.78	78	232310	5.495	ug/L	100
34) Trichloroethene	6.55	95	61545	5.793	ug/L	99
35) Methylcyclohexane	6.77	83	88884	5.176	ug/L	99
37) 1,2-Dichloropropane	6.80	63	61572	5.694	ug/L	100
38) Bromodichloromethane	7.11	83	74414	5.531	ug/L	100
39) cis-1,3-Dichloropropene	7.61	75	79810	4.981	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	344596	44.783	ug/L #	96
42) Toluene	7.97	91	227429	5.211	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	72655	5.070	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	42484	5.312	ug/L	97
47) Tetrachloroethene	8.56	164	43257	5.817	ug/L	95
48) 2-Hexanone	8.69	43	261620	46.718	ug/L #	98
49) Dibromochloromethane	8.81	129	51007	5.553	ug/L	100
50) 1,2-Dibromoethane	8.92	107	42467	5.368	ug/L	98
51) Chlorobenzene	9.45	112	142742	5.261	ug/L	96
52) Ethylbenzene	9.57	91	233015	5.013	ug/L	98
53) m,p-Xylene	9.69	106	91570	5.283	ug/L	99
54) o-Xylene	10.10	106	90227	5.314	ug/L	97
55) Styrene	10.11	104	155896	5.316	ug/L	99
56) Isopropylbenzene	10.48	105	237020	5.245	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	54641	4.910	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	40605	5.000	ug/L	98
61) Bromoform	10.29	173	31190	5.757	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	114765	5.236	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	115451	5.239	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	114564	5.338	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	9447	4.694	ug/L #	80
67) 1,3,5-Trichlorobenzene	13.21	180	83929	5.045	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	67144	4.809	ug/L	98
69) Naphthalene	14.07	128	118647	4.105	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	64898	4.877	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.614 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041803.D

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Instrument :

MSVOA_U

ClientSampleId :

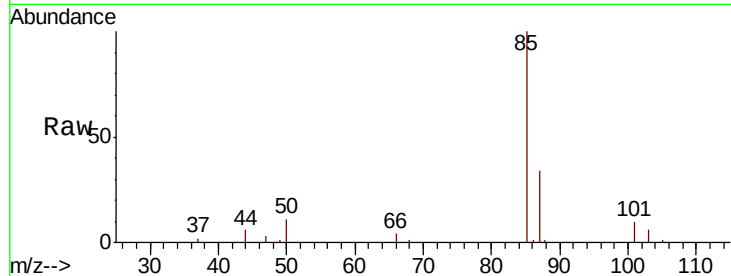
BFB202

Tot Ion: 85 Resp: 57835

Ion Ratio Lower Upper

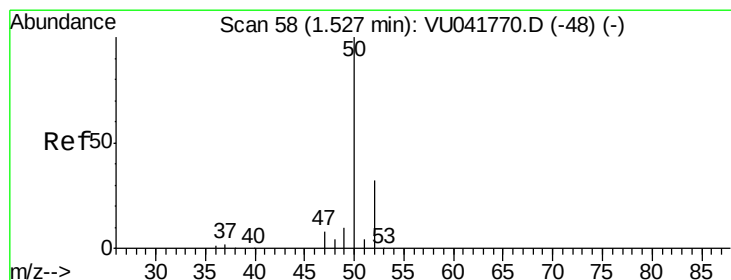
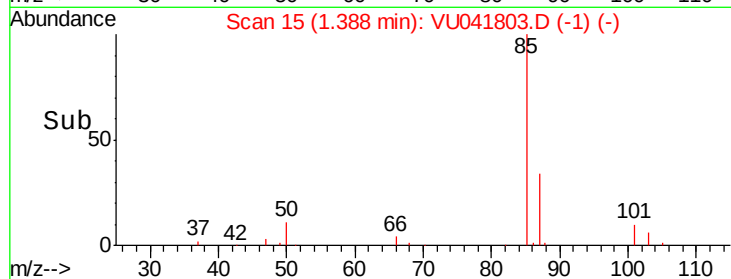
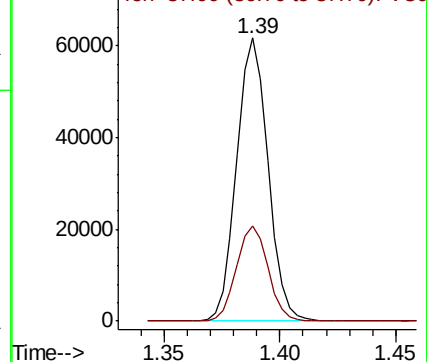
85 100

87 33.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.606 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041803.D

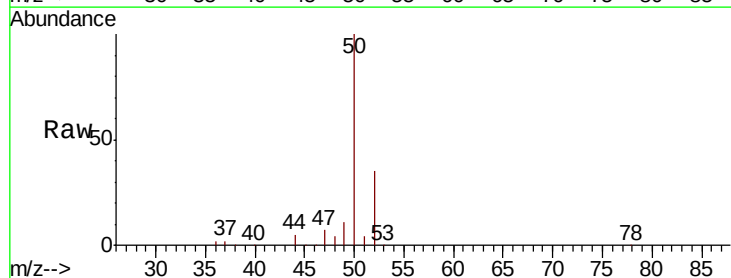
Acq: 24 Dec 2020 13:38

Tgt Ion: 50 Resp: 56090

Ion Ratio Lower Upper

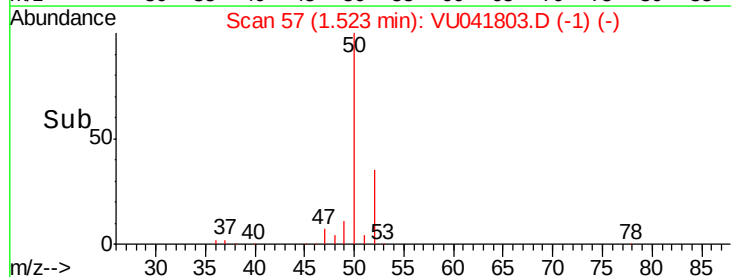
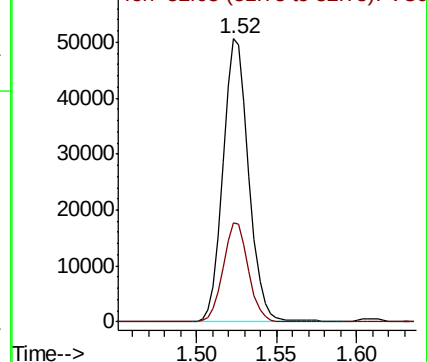
50 100

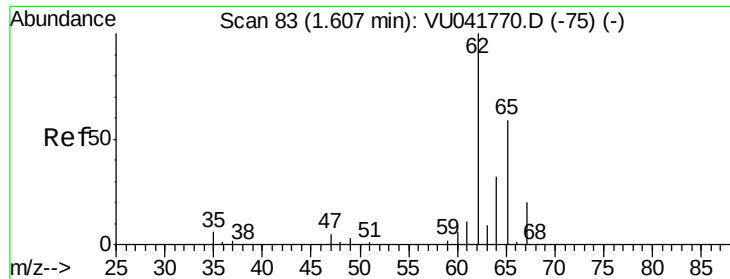
52 34.9 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.009 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

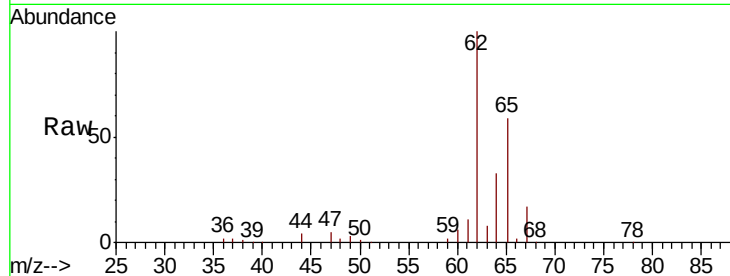
BFB202

Tot Ion: 62 Resp: 67358

Ion Ratio Lower Upper

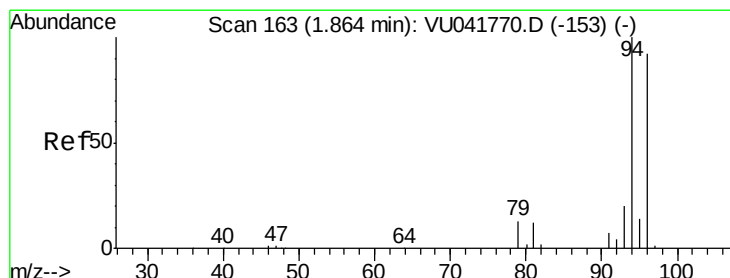
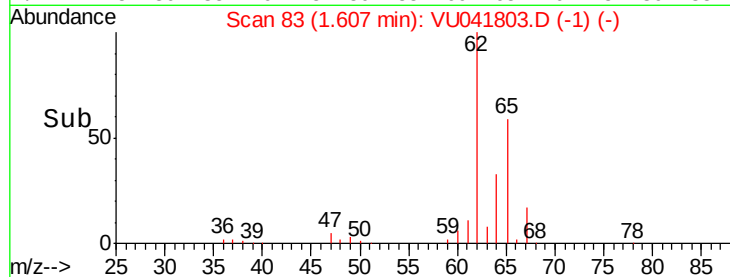
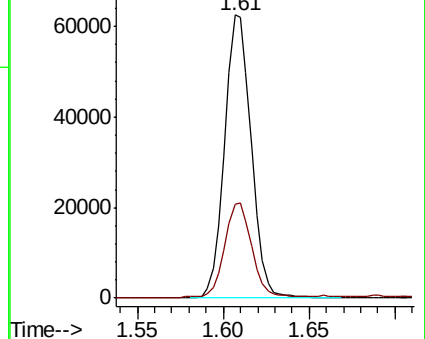
62 100

64 33.3 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU041770.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU041770.D (-75) (-)



#6

Bromomethane

Concen: 5.620 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041803.D

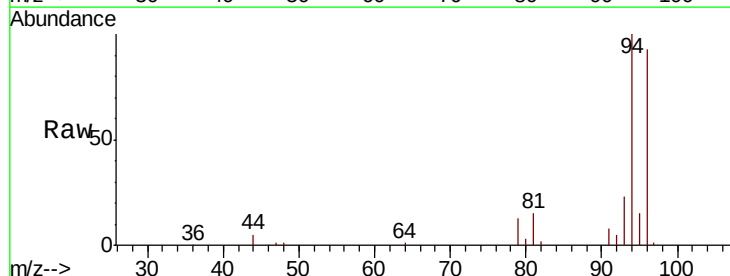
Acq: 24 Dec 2020 13:38

Tgt Ion: 94 Resp: 47245

Ion Ratio Lower Upper

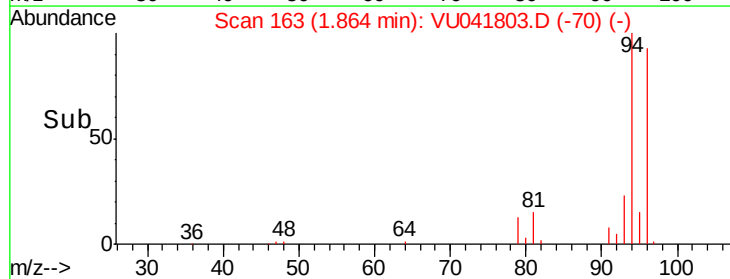
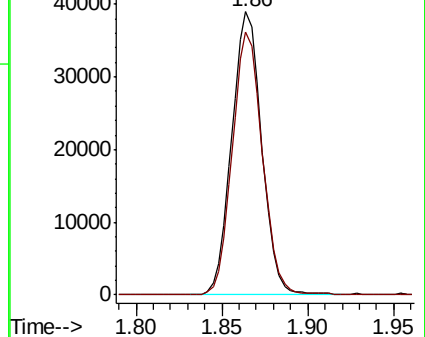
94 100

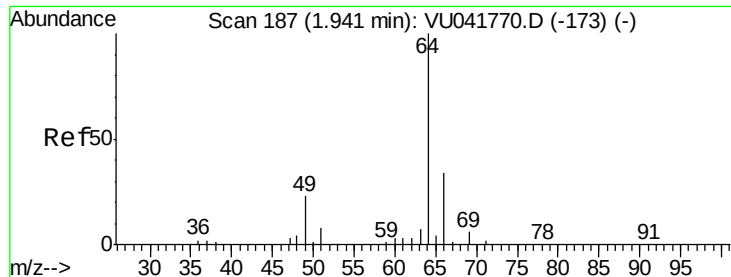
96 92.9 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU041770.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU041770.D (-153) (-)





#8

Chloroethane

Concen: 5.089 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

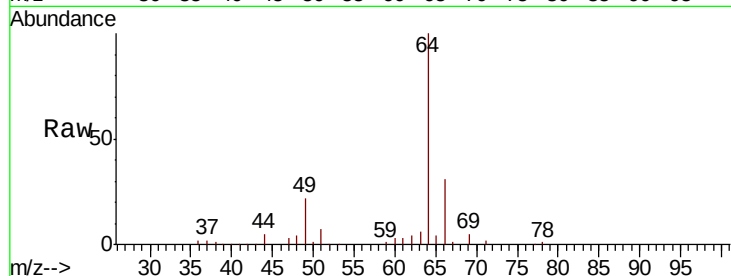
BFB202

Tot Ion: 64 Resp: 46477

Ion Ratio Lower Upper

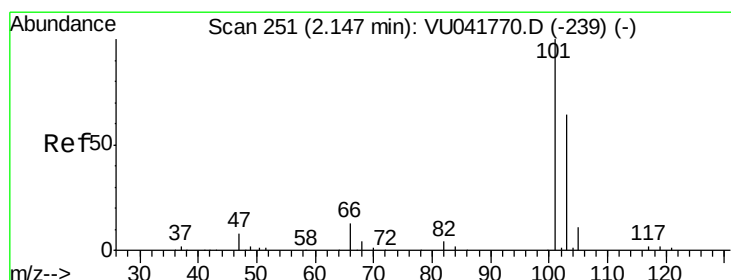
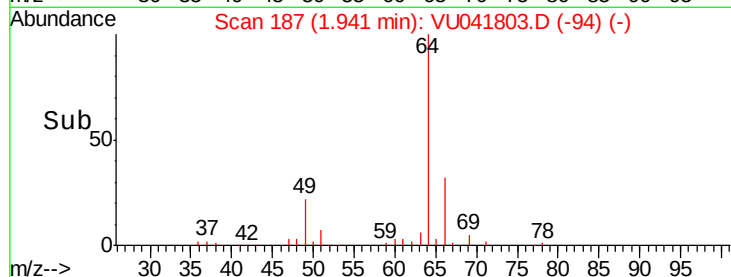
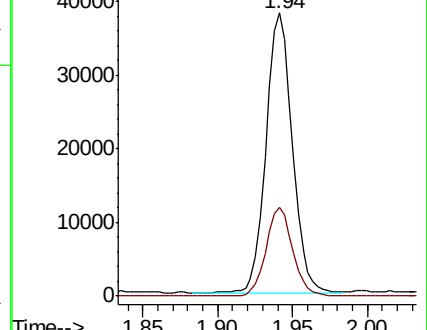
64 100

66 31.5 21.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VU041770.D (-173) (-)

Ion 66.05 (65.75 to 66.75): VU041770.D (-173) (-)



#9

Trichlorofluoromethane

Concen: 5.762 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU041803.D

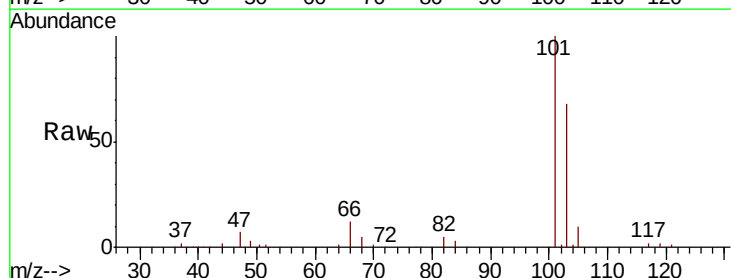
Acq: 24 Dec 2020 13:38

Tgt Ion: 101 Resp: 98057

Ion Ratio Lower Upper

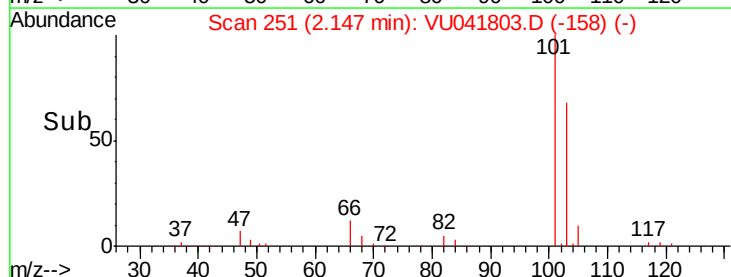
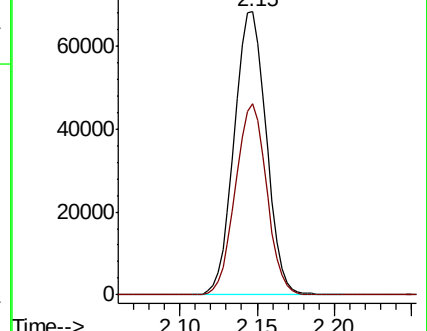
101 100

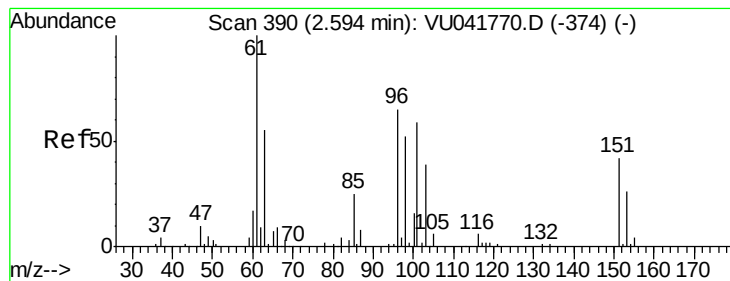
103 65.9 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU041770.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU041770.D (-239) (-)





#10

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

Concen: 5.541 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

BFB202

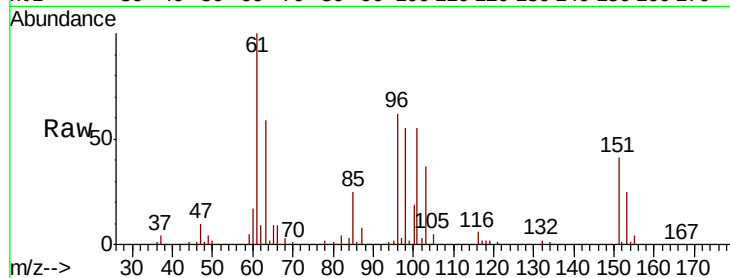
Tot Ion:101 Resp: 56392

Ion Ratio Lower Upper

101 100

85 44.1 33.6 50.4

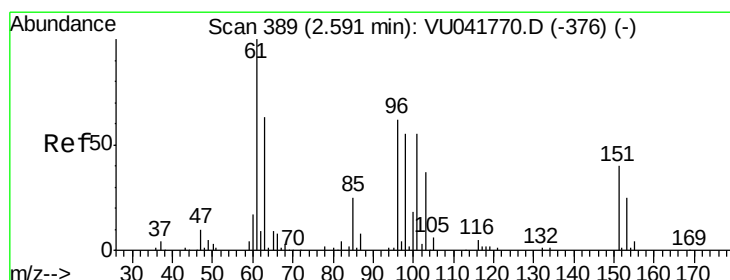
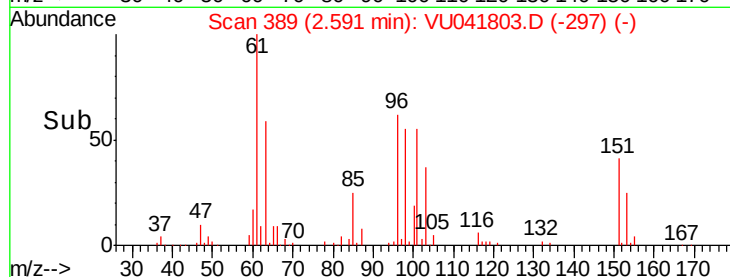
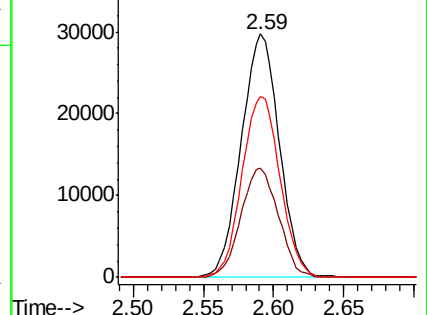
151 74.2 56.2 84.4



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: 5.350 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

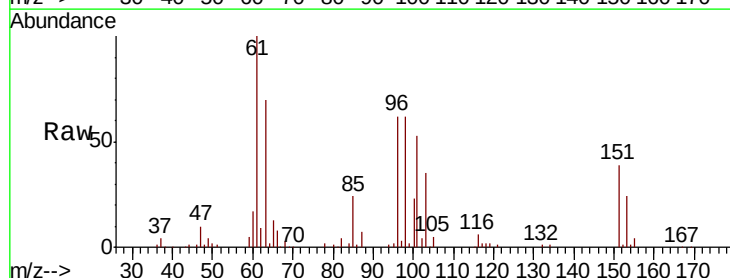
Tgt Ion: 96 Resp: 53691

Ion Ratio Lower Upper

96 100

61 162.2 123.8 230.0

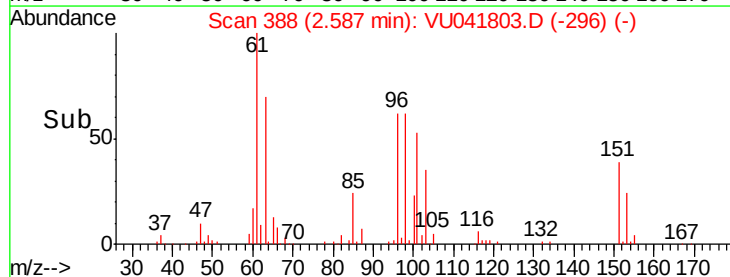
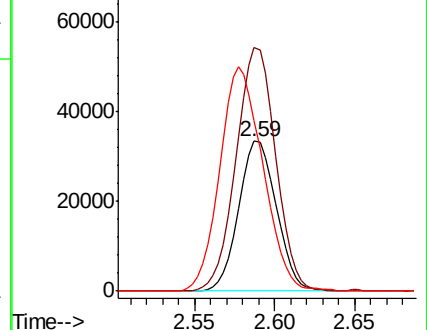
63 113.9 81.0 150.4

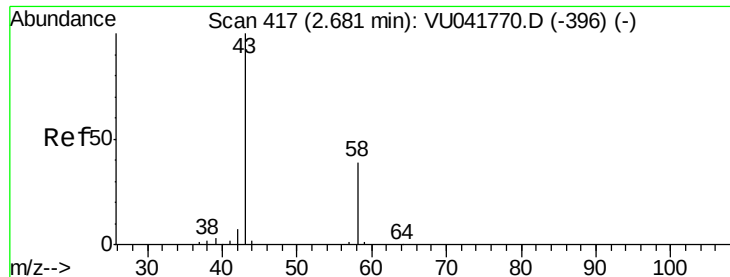


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.451 ug/L

RT: 2.65 min Scan# 409

Delta R.T. -0.03 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

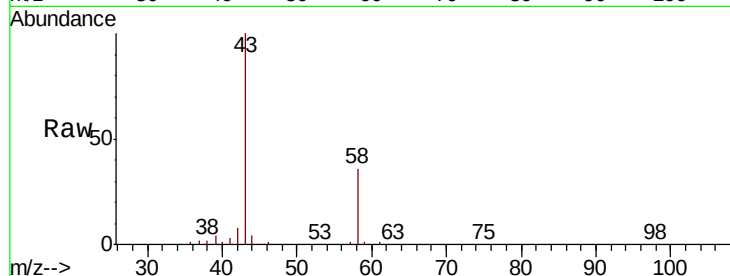
BFB202

Tot Ion: 43 Resp: 112960

Ion Ratio Lower Upper

43 100

58 34.8 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041770.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU041770.D (-396) (-)

2.65

30000

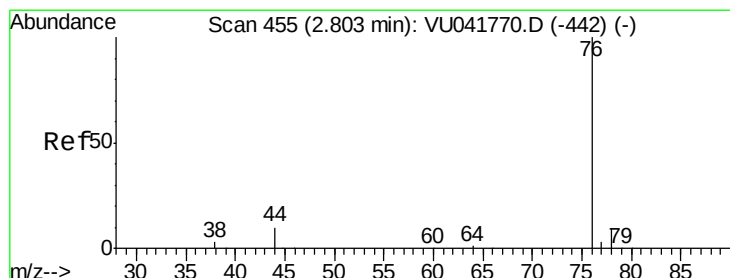
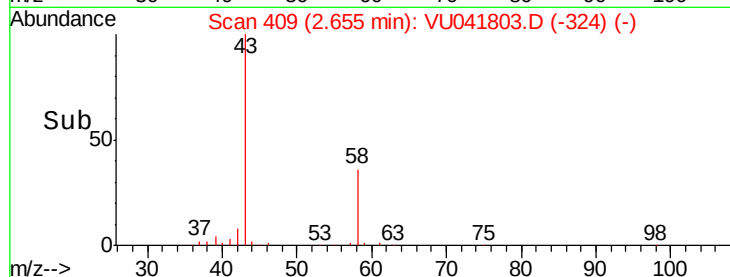
20000

10000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 4.793 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041803.D

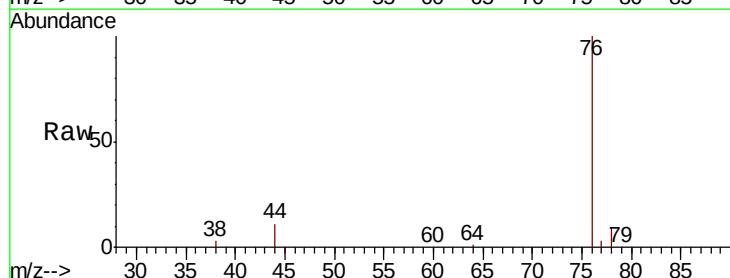
Acq: 24 Dec 2020 13:38

Tgt Ion: 76 Resp: 166248

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU041770.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU041770.D (-442) (-)

2.80

100000

80000

60000

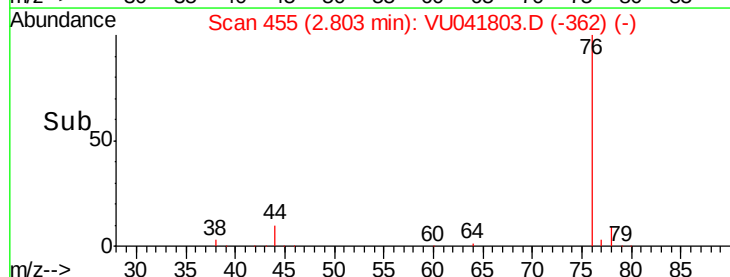
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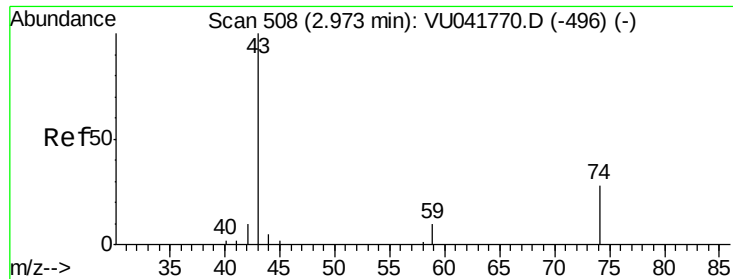
20000

0

Time-->

2.70 2.75 2.80 2.85 2.90





#15

Methyl Acetate

Concen: 4.997 ug/L

RT: 2.96 min Scan# 505

Delta R.T. -0.01 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

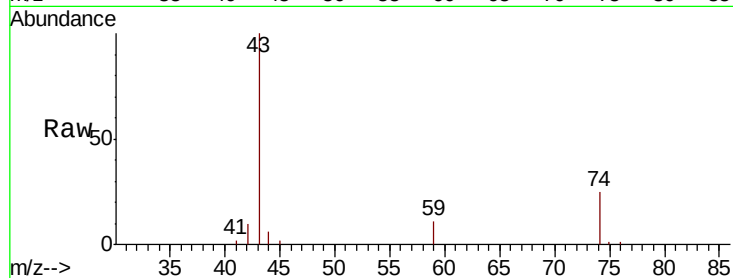
BFB202

Tot Ion: 43 Resp: 27457

Ion Ratio Lower Upper

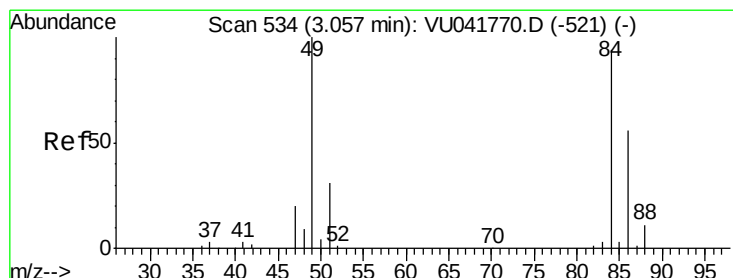
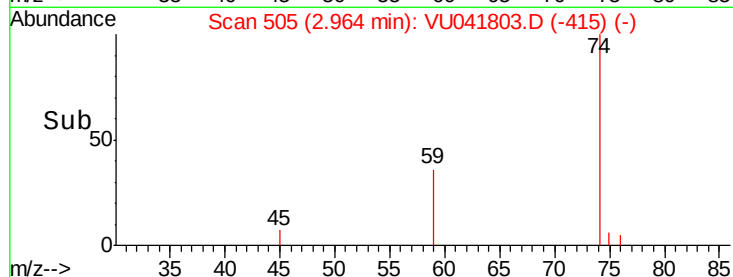
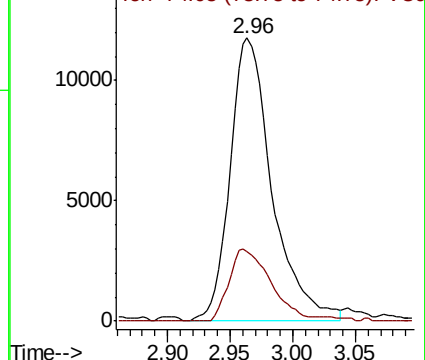
43 100

74 26.3 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 5.356 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

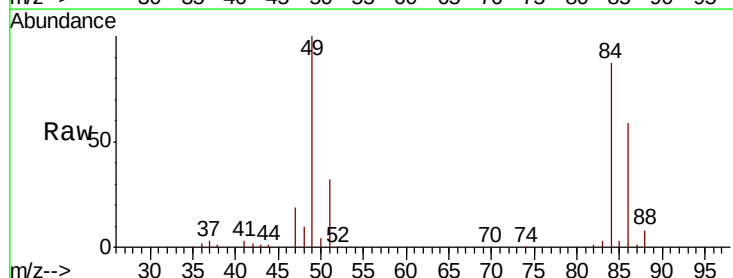
Tgt Ion: 84 Resp: 64206

Ion Ratio Lower Upper

84 100

86 68.0 45.1 83.7

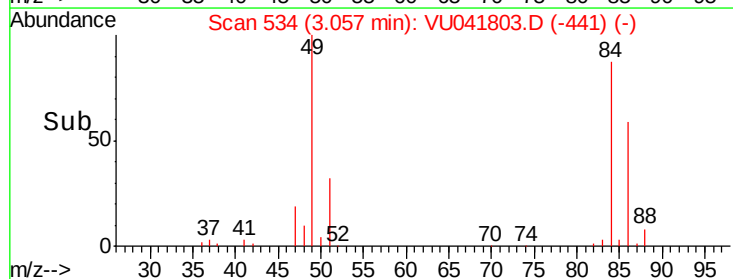
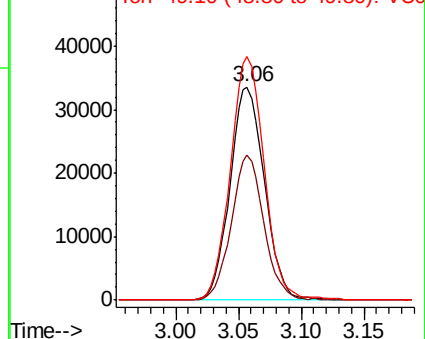
49 114.3 83.1 154.3

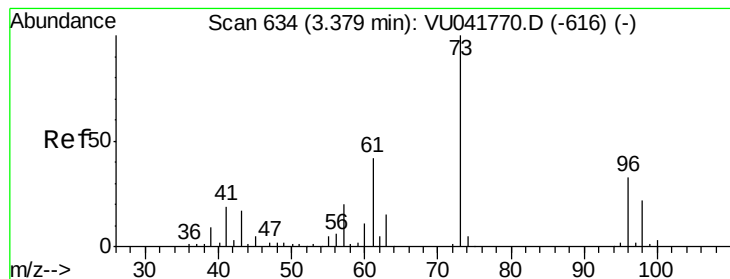


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 5.322 ug/L

RT: 3.38 min Scan# 633

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

BFB202

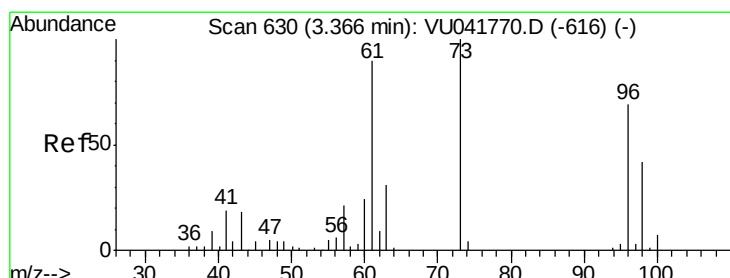
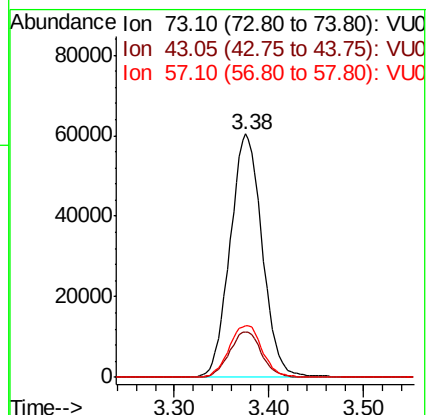
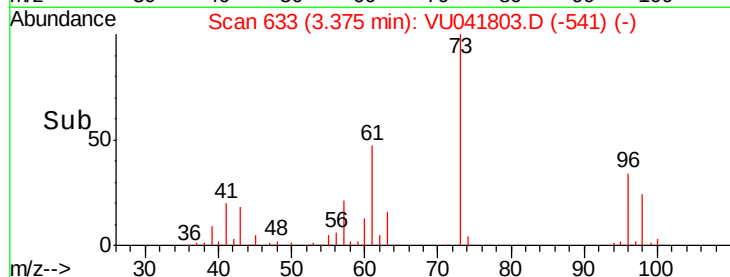
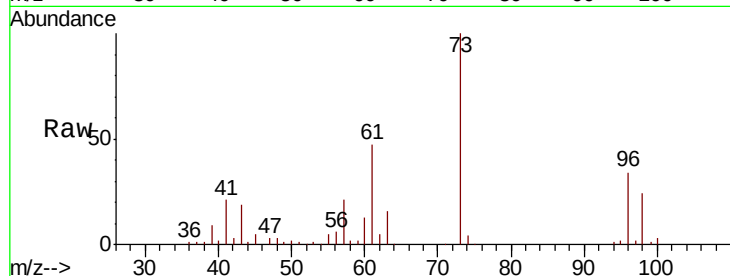
Tot Ion: 73 Resp: 142523

Ion Ratio Lower Upper

73 100

43 18.7 14.7 22.1

57 21.9 18.2 27.4



#18

trans-1,2-Dichloroethene

Concen: 5.210 ug/L

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

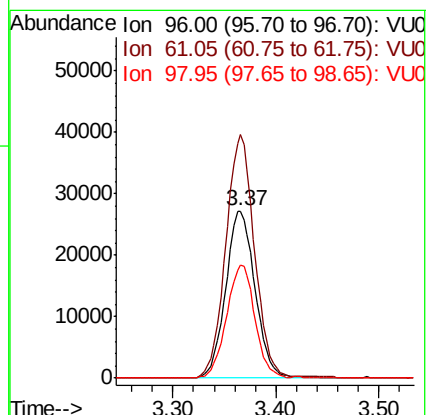
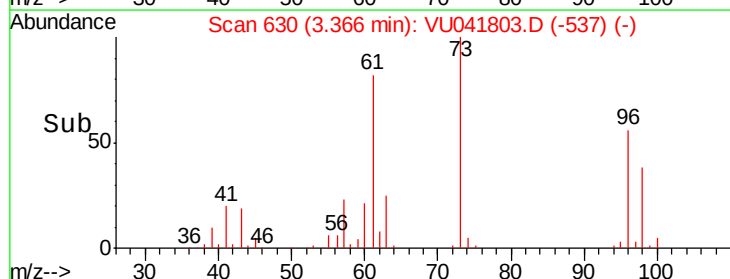
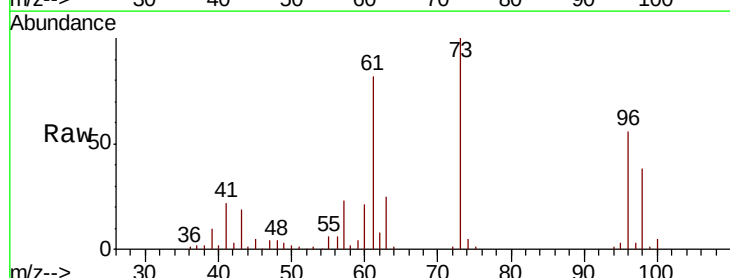
Tgt Ion: 96 Resp: 54087

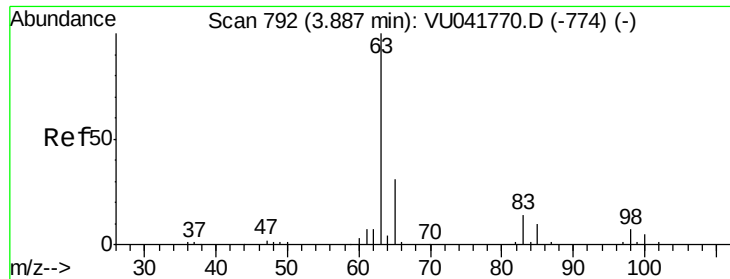
Ion Ratio Lower Upper

96 100

61 146.0 101.8 189.0

98 68.1 44.4 82.5

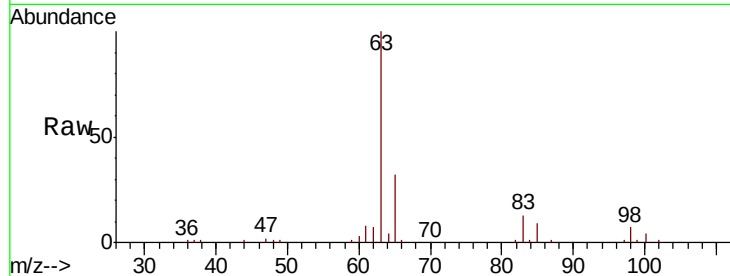




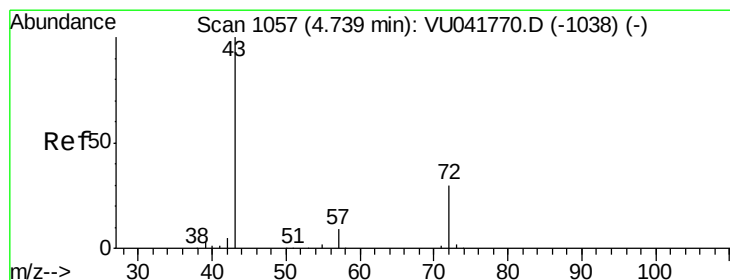
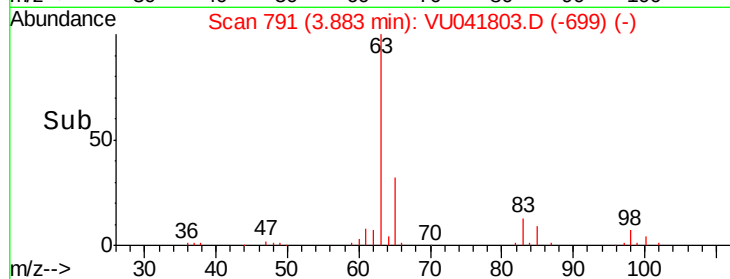
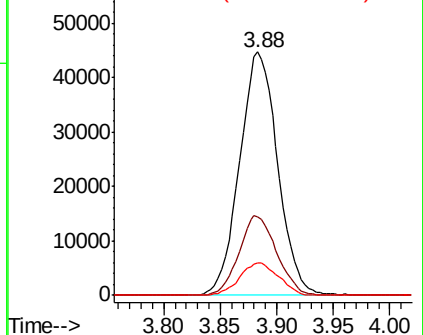
#19
 1,1-Dichloroethane
 Concen: 5.404 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VU041803.D
 Acq: 24 Dec 2020 13:38

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB202

Tot Ion: 63 Resp: 104849
 Ion Ratio Lower Upper
 63 100
 65 32.4 21.3 39.6
 83 13.2 9.3 17.3

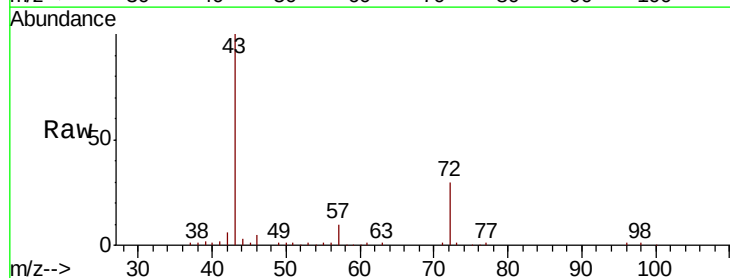


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

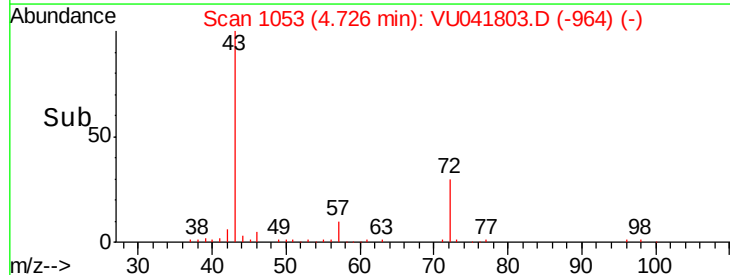
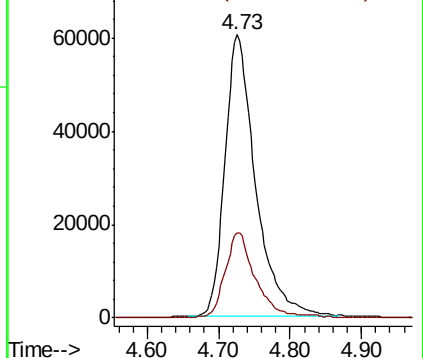


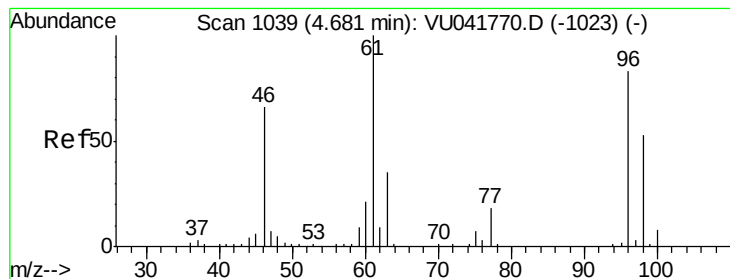
#21
 2-Butanone
 Concen: 52.563 ug/L
 RT: 4.73 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VU041803.D
 Acq: 24 Dec 2020 13:38

Tgt Ion: 43 Resp: 180938
 Ion Ratio Lower Upper
 43 100
 72 29.8 14.6 44.0



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





#22

cis-1,2-Dichloroethene

Concen: 5.350 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

BFB202

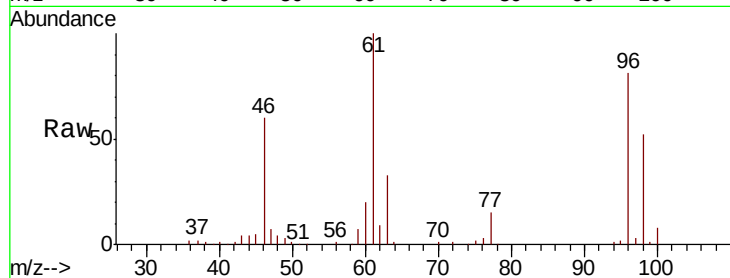
Tot Ion: 96 Resp: 61384

Ion Ratio Lower Upper

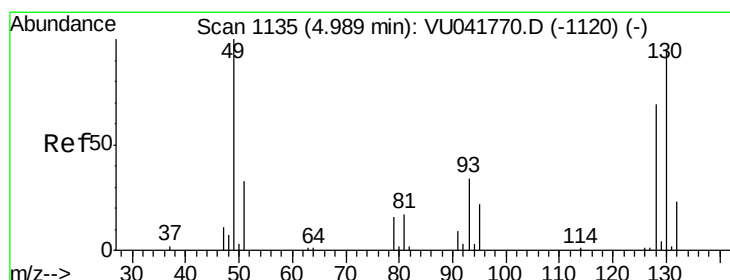
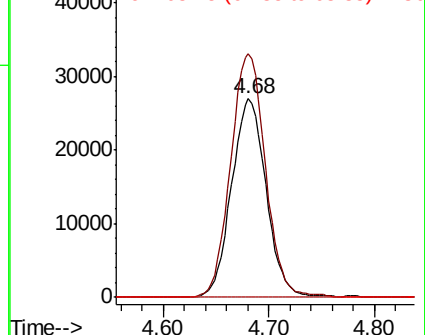
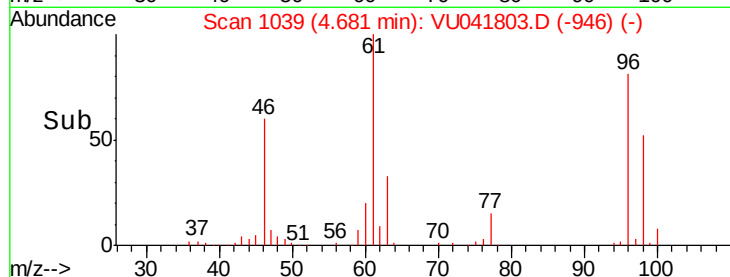
96 100

61 122.7 88.8 165.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041803.D (-946) (-)



#23

Bromochloromethane

Concen: 5.659 ug/L

RT: 4.99 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

Tgt Ion: 128 Resp: 29823

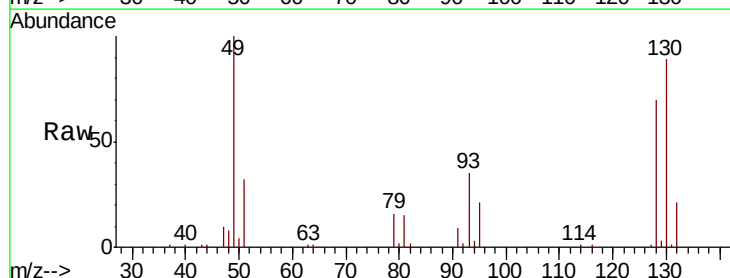
Ion Ratio Lower Upper

128 100

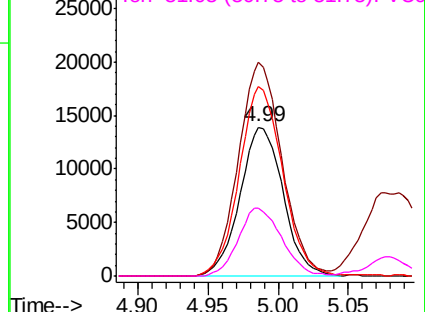
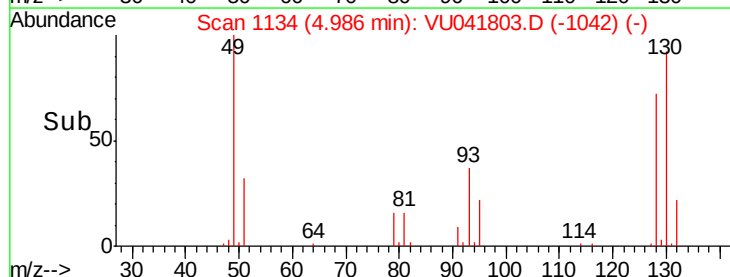
49 143.7 109.3 203.1

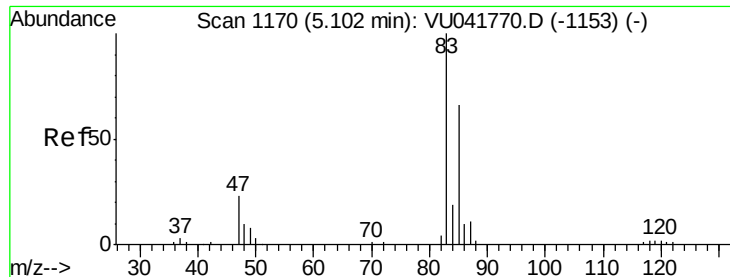
130 127.4 84.8 157.6

51 45.6 40.6 61.0



Abundance Ion 127.90 (127.60 to 128.60): VU041803.D (-1042) (-)

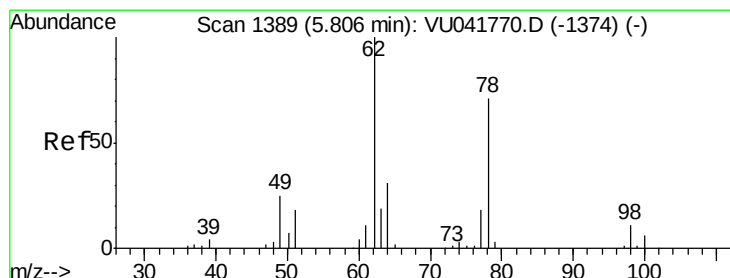
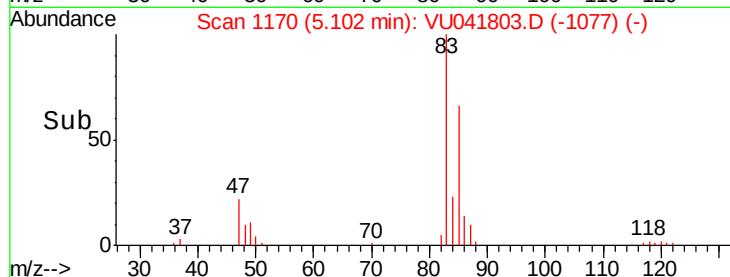
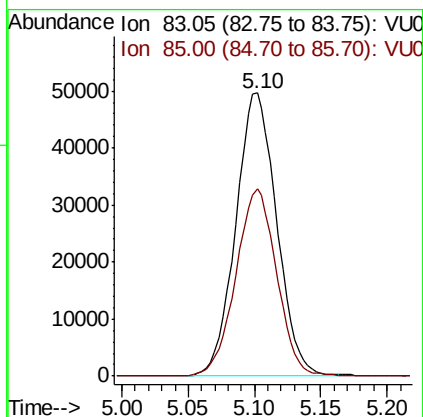
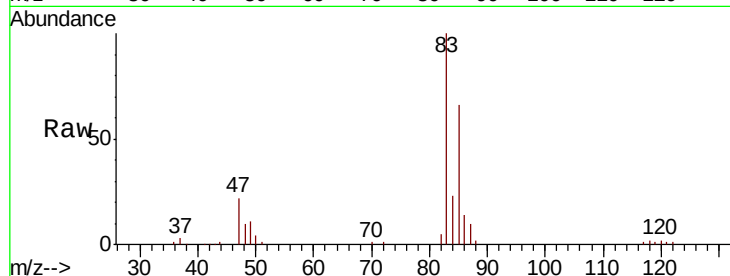




#25
Chloroform
Concen: 5.448 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041803.D
Acq: 24 Dec 2020 13:38

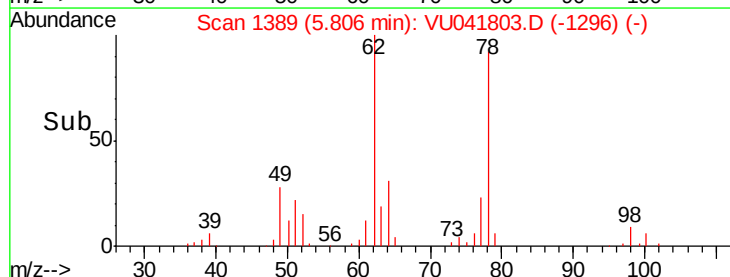
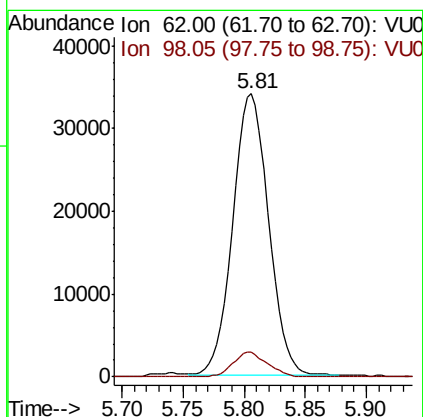
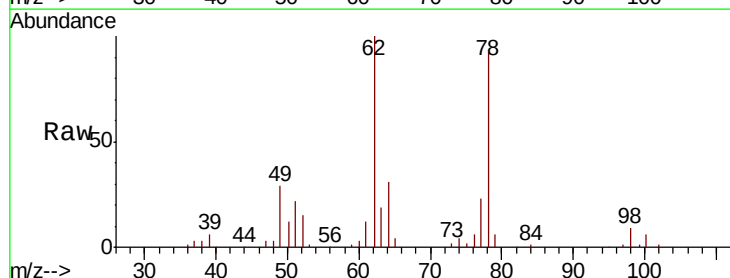
Instrument :
MSVOA_U
ClientSampled :
BFB202

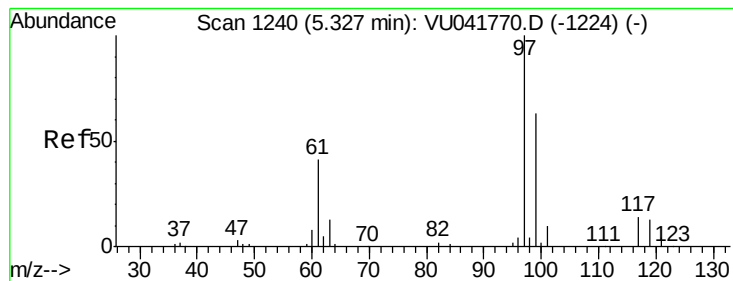
Tot Ion: 83 Resp: 106453
Ion Ratio Lower Upper
83 100
85 66.4 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.240 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041803.D
Acq: 24 Dec 2020 13:38

Tgt Ion: 62 Resp: 69332
Ion Ratio Lower Upper
62 100
98 8.6 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 5.860 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

BFB202

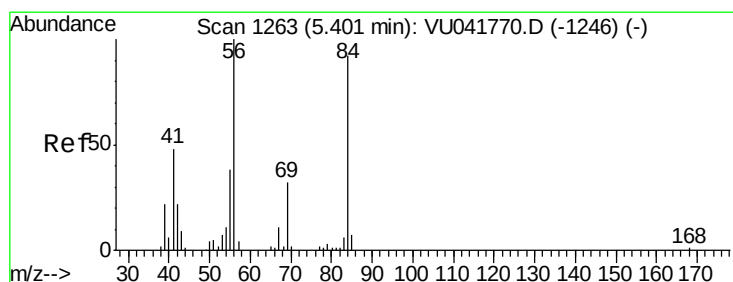
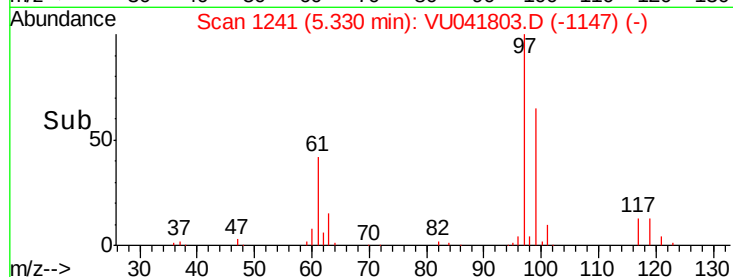
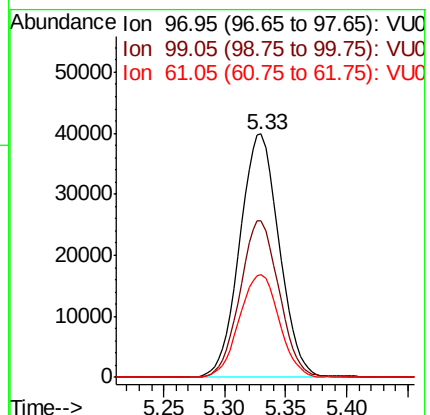
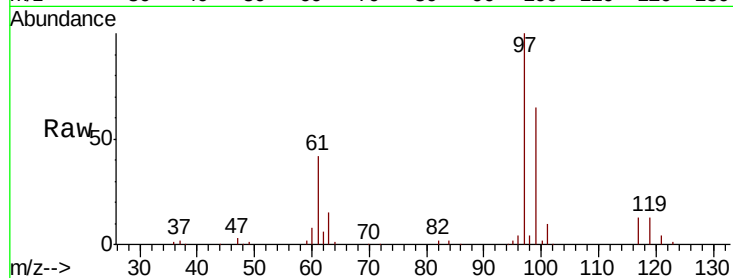
Tot Ion: 97 Resp: 88953

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 42.7 36.5 54.7



#30

Cyclohexane

Concen: 5.089 ug/L

RT: 5.40 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

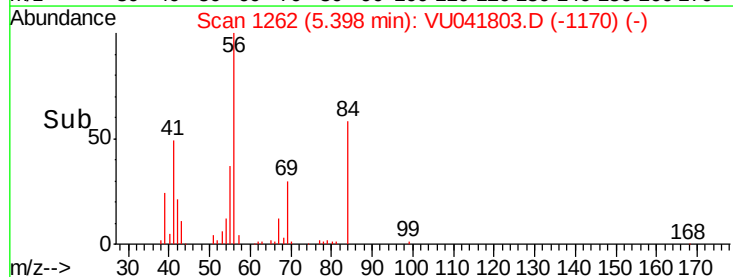
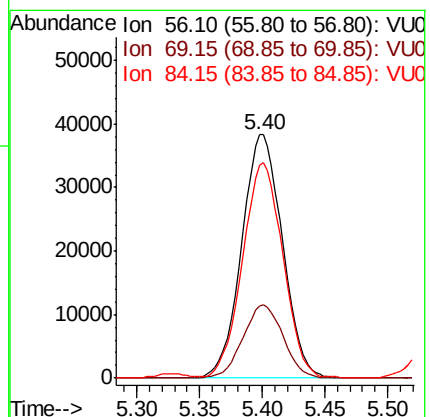
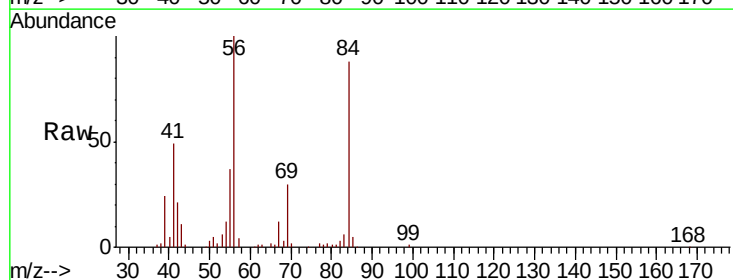
Tgt Ion: 56 Resp: 86588

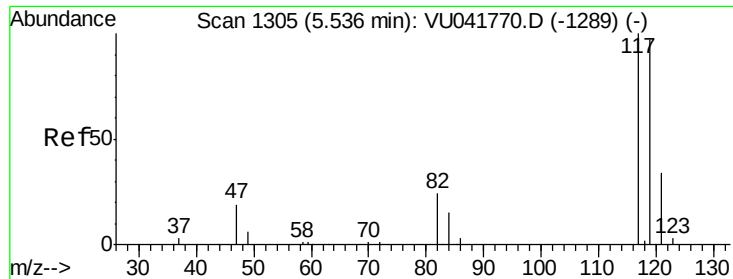
Ion Ratio Lower Upper

56 100

69 29.5 23.8 35.8

84 87.9 66.2 99.4

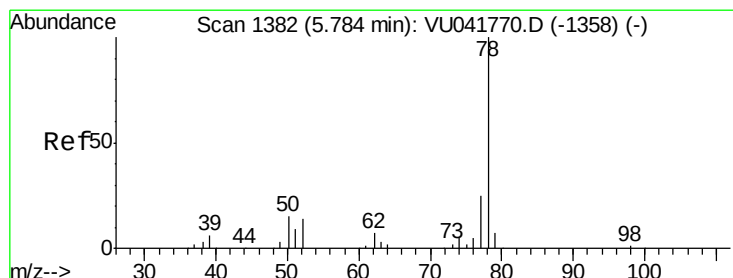
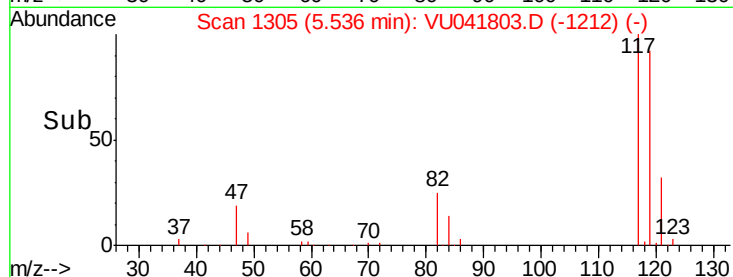
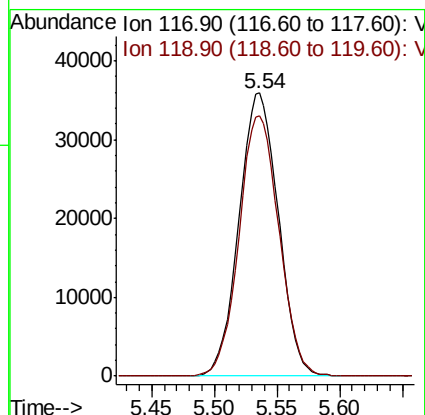
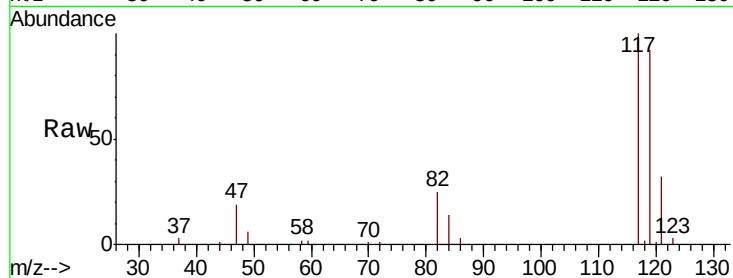




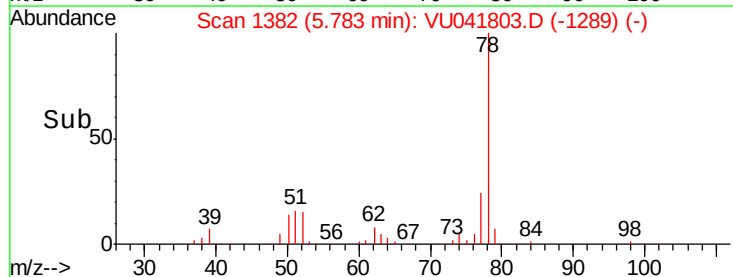
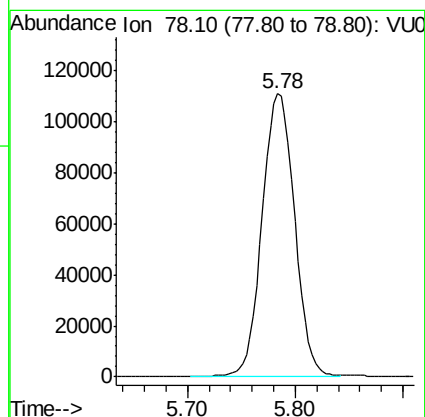
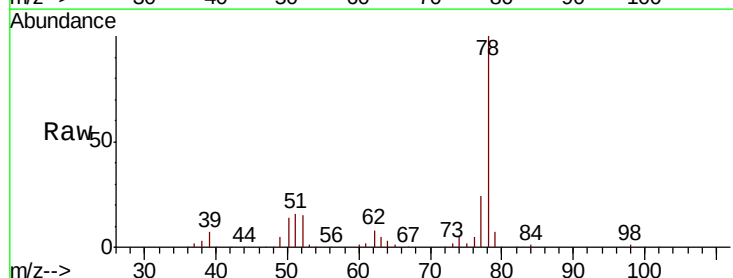
#31
Carbon tetrachloride
Concen: 5.957 ug/L
RT: 5.54 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VU041803.D
Acq: 24 Dec 2020 13:38

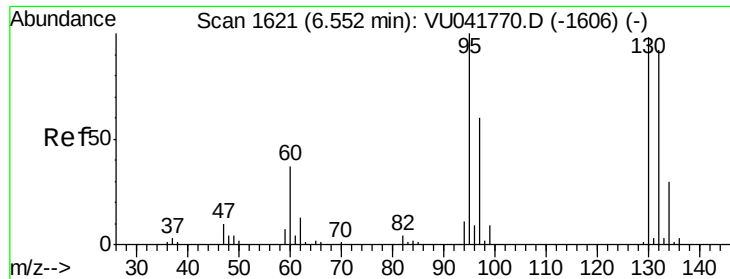
Instrument :
MSVOA_U
ClientSampleId :
BFB202

Tot Ion:117 Resp: 78189
Ion Ratio Lower Upper
117 100
119 93.6 76.2 114.2



#33
Benzene
Concen: 5.495 ug/L
RT: 5.78 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VU041803.D
Acq: 24 Dec 2020 13:38
Tgt Ion: 78 Resp: 232310





#34

Trichloroethene

Concen: 5.793 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

BFB202

Tot Ion: 95 Resp: 61545

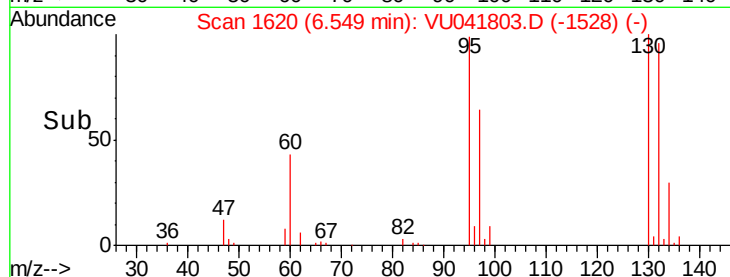
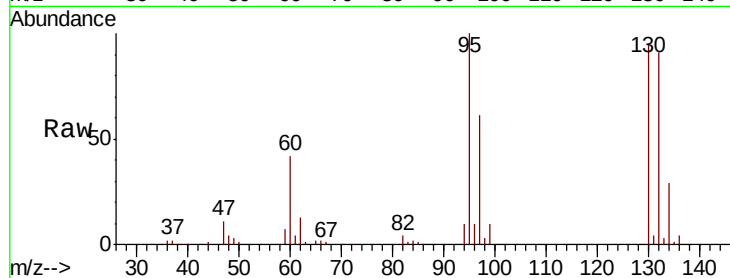
Ion Ratio Lower Upper

95 100

97 61.0 43.9 81.5

132 91.3 63.1 117.3

130 95.4 67.4 125.2

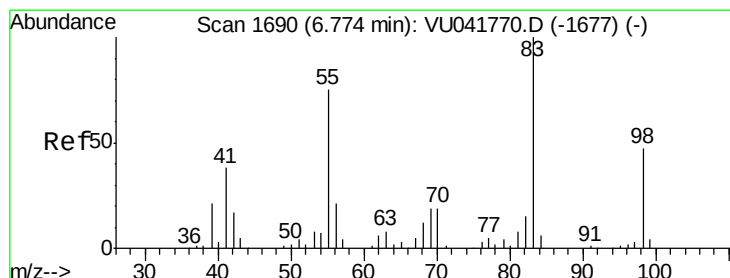
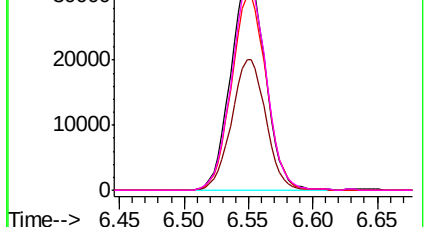


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.176 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

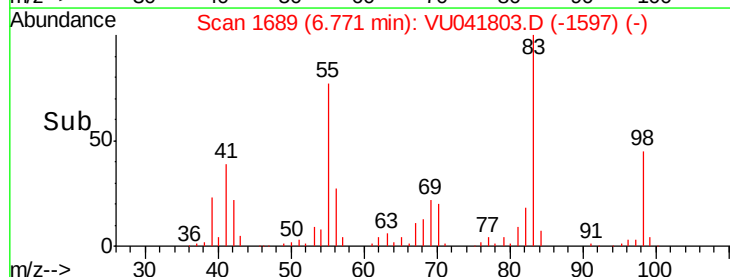
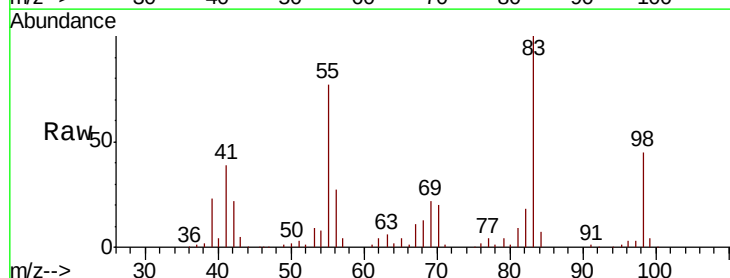
Tgt Ion: 83 Resp: 88884

Ion Ratio Lower Upper

83 100

55 77.0 61.2 91.8

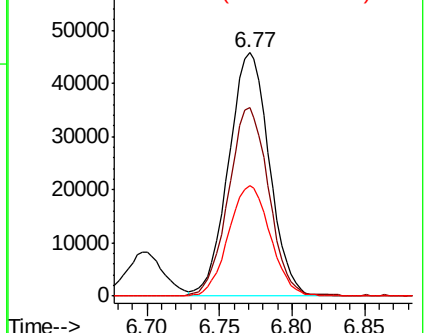
98 46.6 36.6 54.8

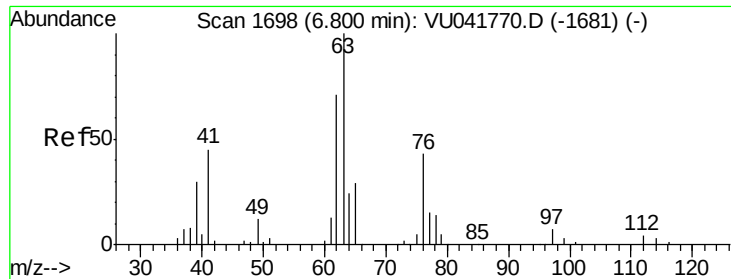


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

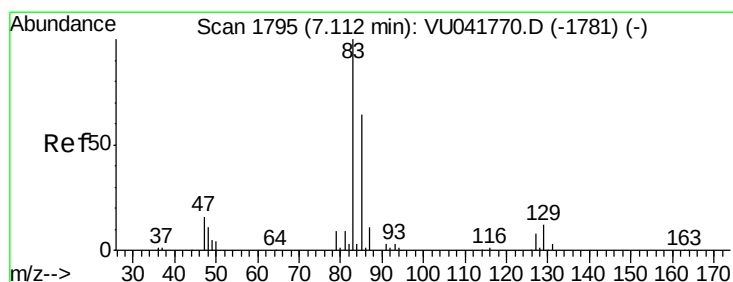
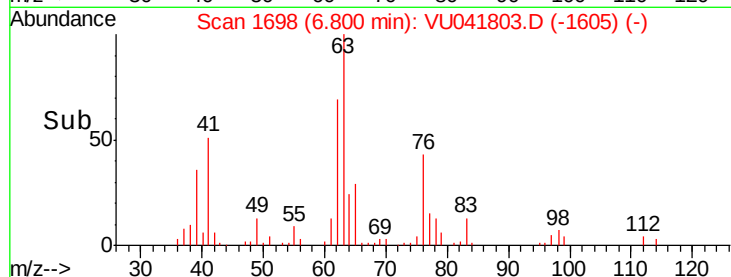
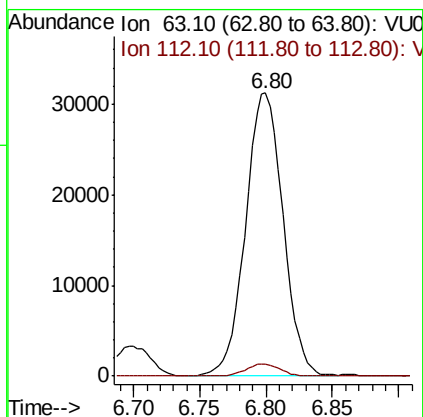
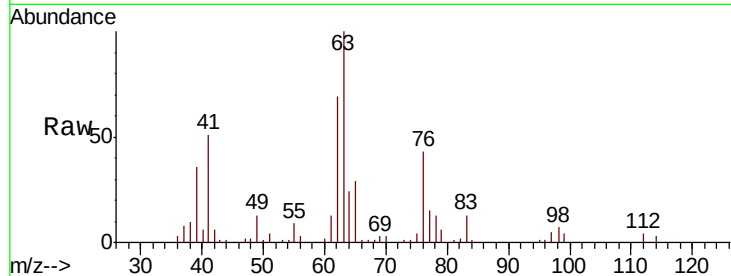




#37
 1,2-Dichloropropane
 Concen: 5.694 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041803.D
 Acq: 24 Dec 2020 13:38

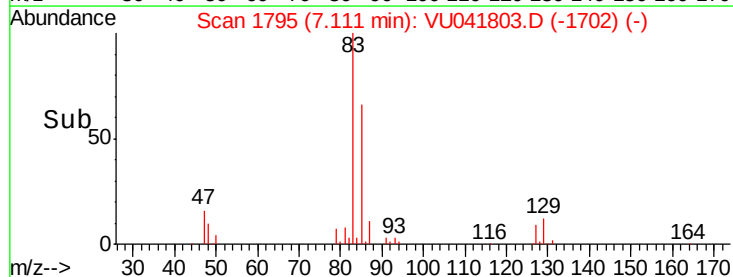
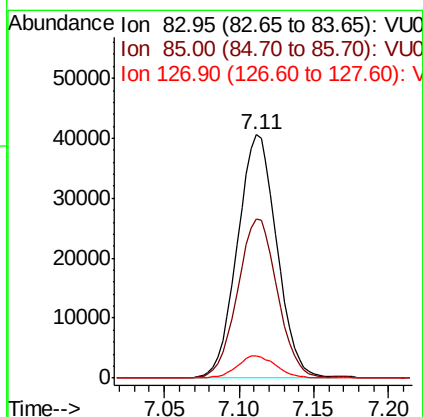
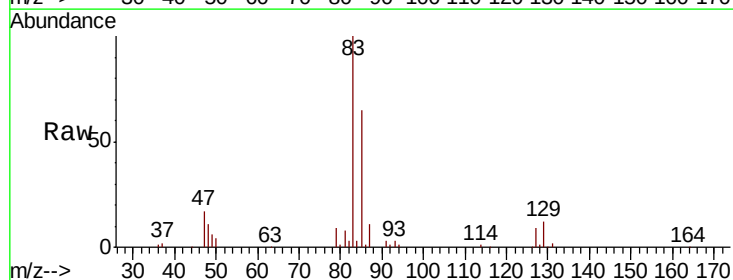
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB202

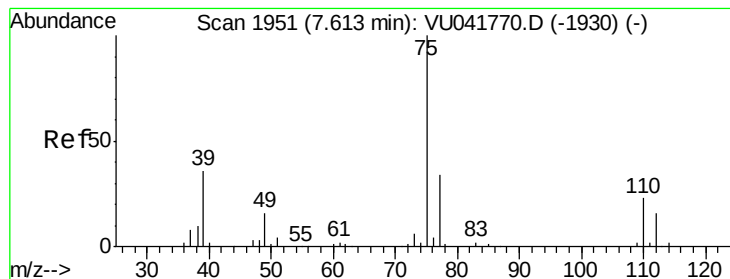
Tot Ion: 63 Resp: 61572
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.531 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU041803.D
 Acq: 24 Dec 2020 13:38

Tgt Ion: 83 Resp: 74414
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.5 84.5
 127 9.2 7.0 10.6



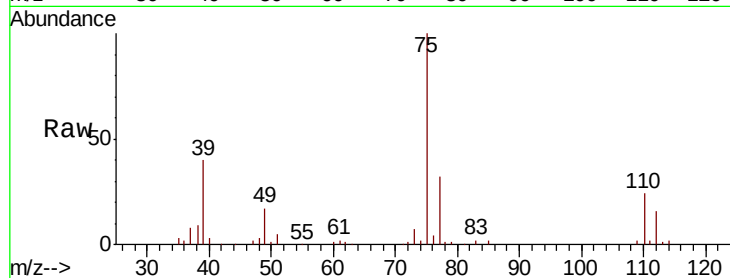


#39

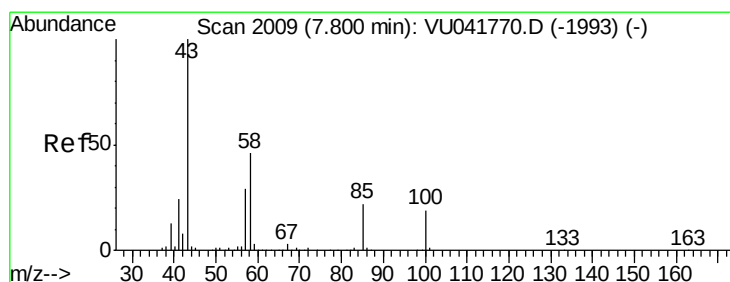
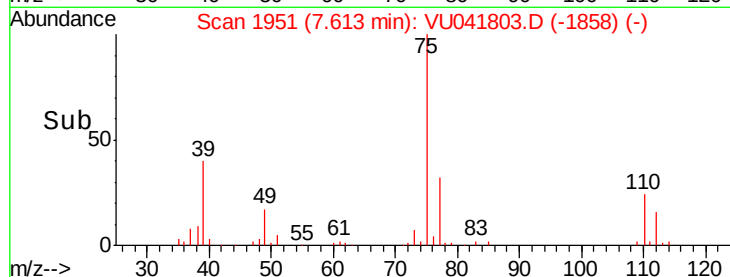
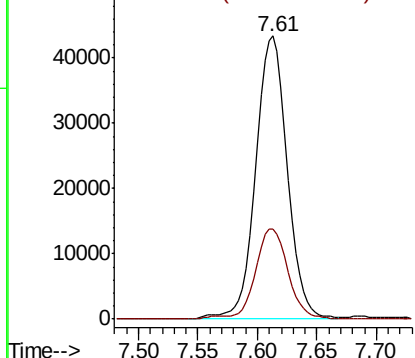
cis-1,3-Dichloropropene
Concen: 4.981 ug/L
RT: 7.61 min Scan# 1951
Delta R.T. -0.00 min
Lab File: VU041803.D
Acq: 24 Dec 2020 13:38

Instrument :
MSVOA_U
ClientSampleId :
BFB202

Tot Ion: 75 Resp: 79810
Ion Ratio Lower Upper
75 100
77 31.7 22.3 41.3



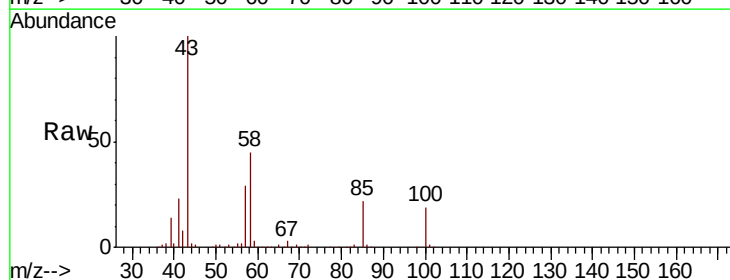
Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



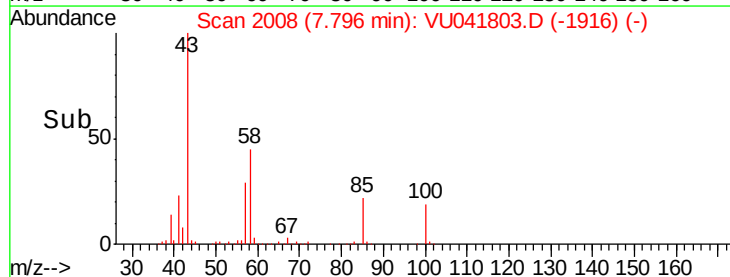
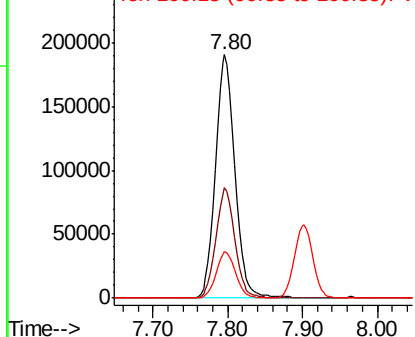
#40

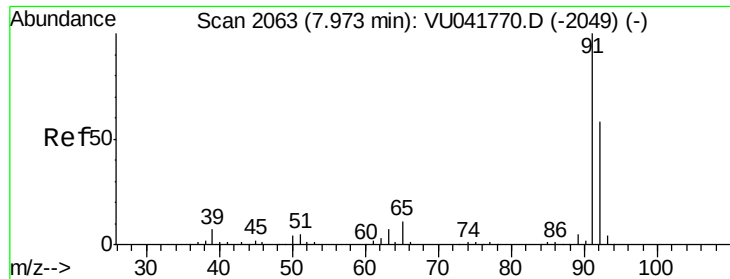
4-Methyl-2-pentanone
Concen: 44.783 ug/L
RT: 7.80 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU041803.D
Acq: 24 Dec 2020 13:38

Tgt Ion: 43 Resp: 344596
Ion Ratio Lower Upper
43 100
58 44.3 34.2 51.2
100 18.9 12.3 18.5#



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





#42

Toluene

Concen: 5.211 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

Instrument :

MSVOA_U

ClientSampled :

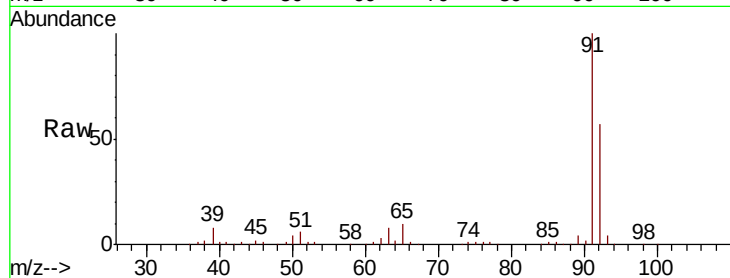
BFB202

Tot Ion: 91 Resp: 227429

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.97

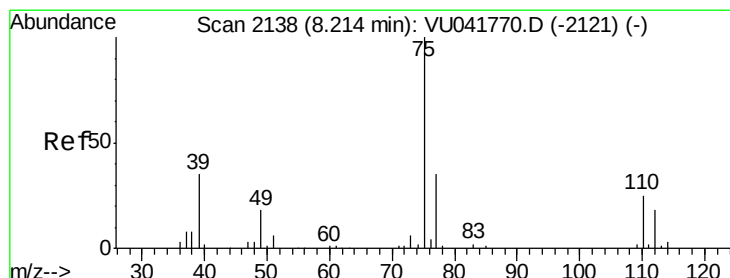
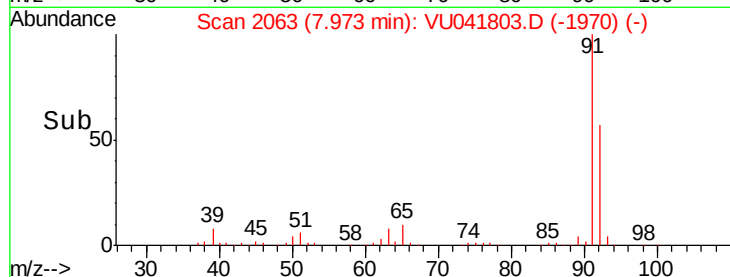
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.070 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041803.D

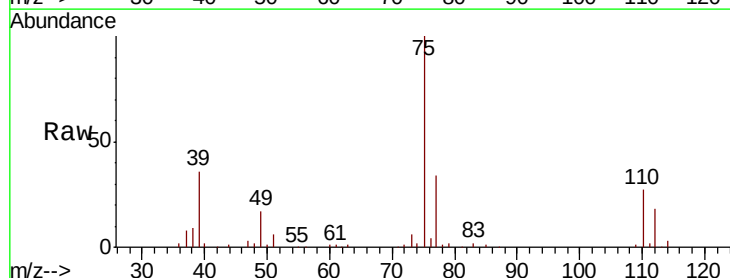
Acq: 24 Dec 2020 13:38

Tgt Ion: 75 Resp: 72655

Ion Ratio Lower Upper

75 100

77 33.5 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

40000

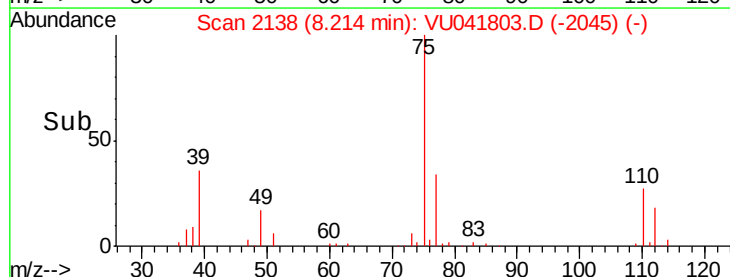
30000

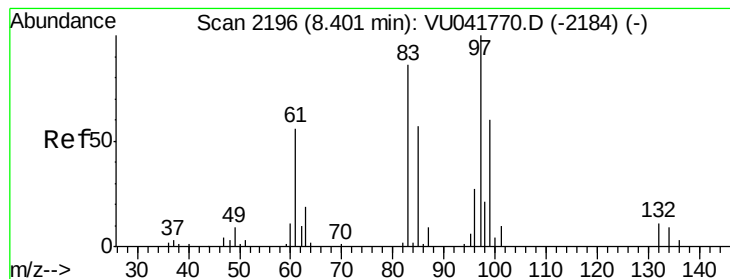
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.312 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

BFB202

Tot Ion: 97 Resp: 42484

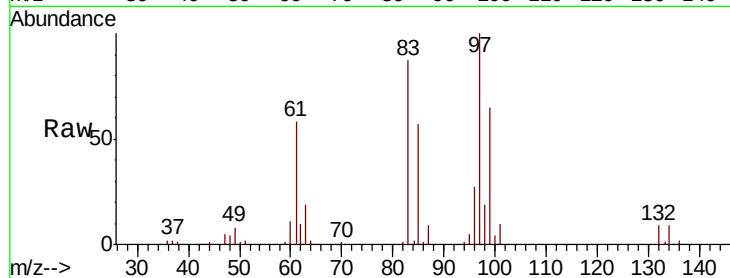
Ion Ratio Lower Upper

97 100

99 64.8 42.1 78.3

83 87.3 62.6 116.2

85 57.1 39.1 72.7

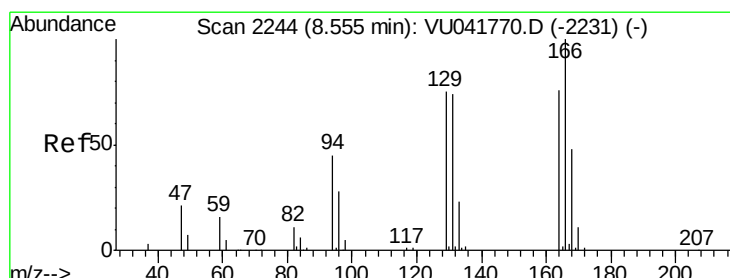
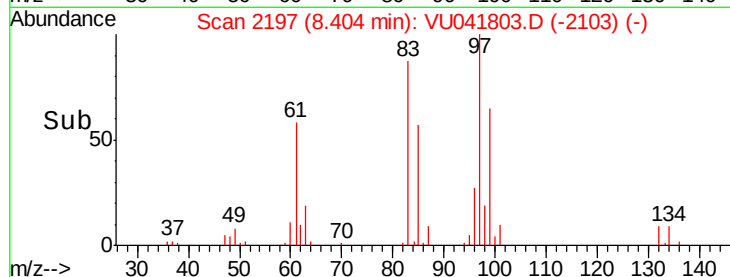
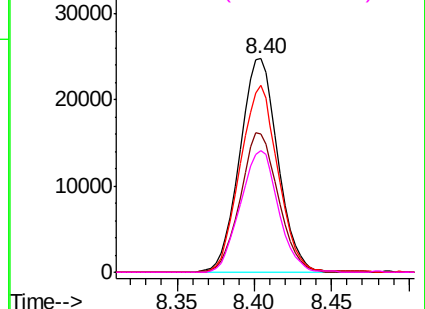


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.817 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

Tgt Ion: 164 Resp: 43257

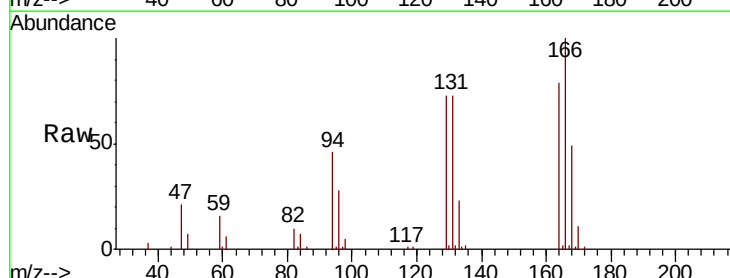
Ion Ratio Lower Upper

164 100

129 92.5 72.2 134.0

131 92.4 66.9 124.3

166 126.4 89.6 166.4

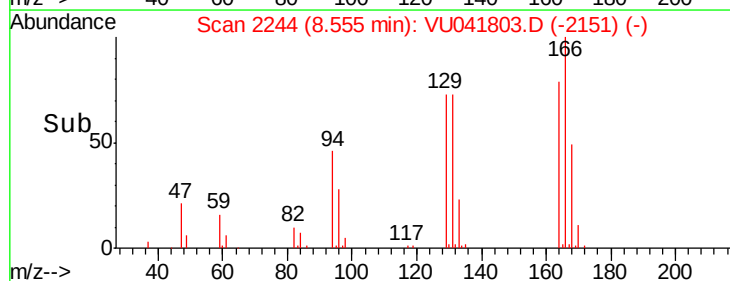
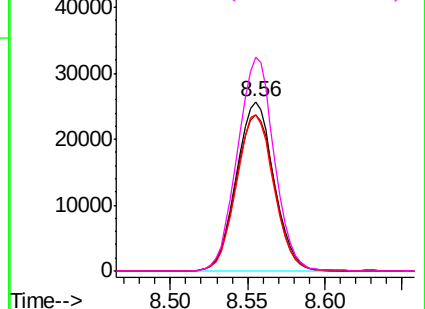


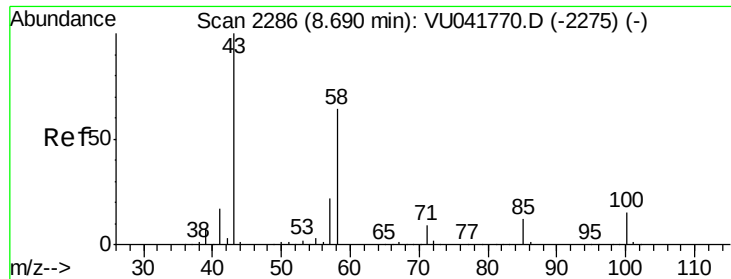
Abundance Ion 163.90 (163.60 to 164.60): V

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

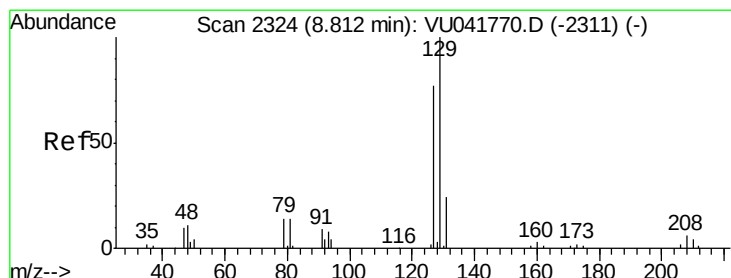
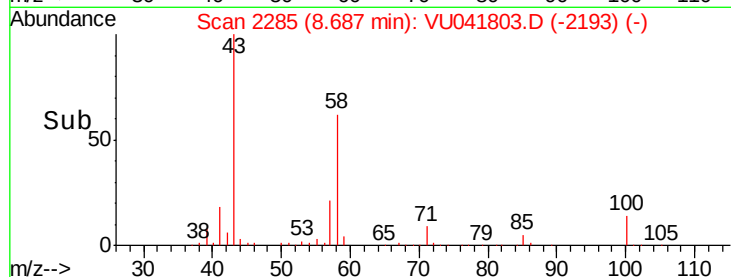
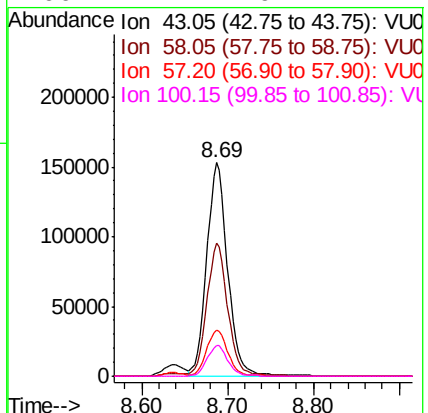
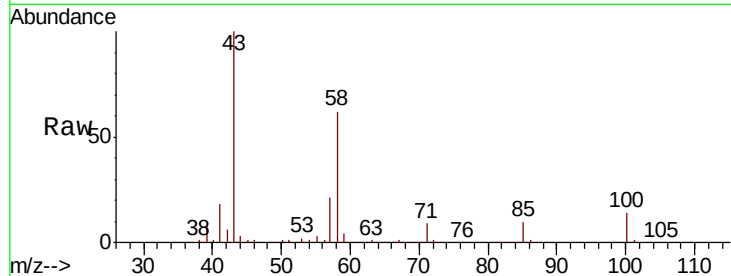




#48
2-Hexanone
Concen: 46.718 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041803.D
Acq: 24 Dec 2020 13:38

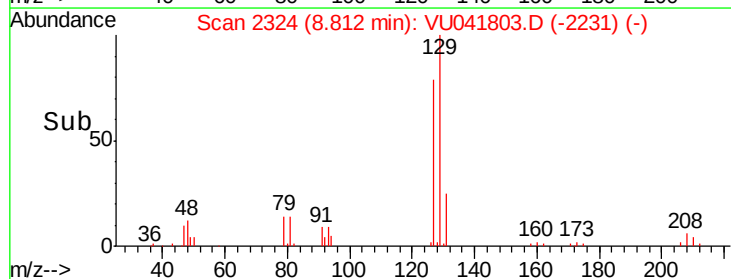
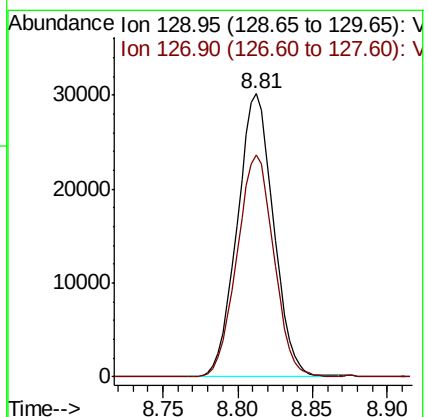
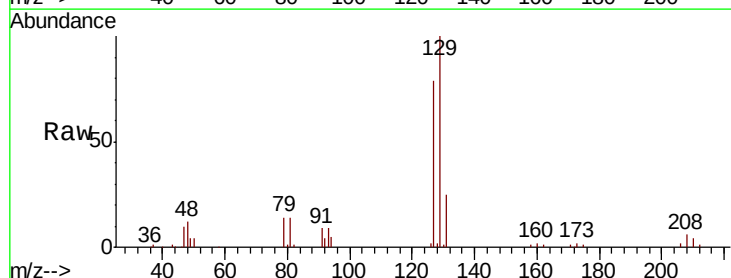
Instrument :
MSVOA_U
ClientSampleId :
BFB202

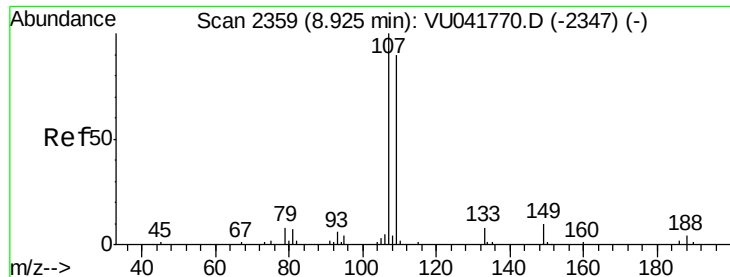
Tot Ion: 43 Resp: 261620
Ion Ratio Lower Upper
43 100
58 61.2 47.9 71.9
57 21.7 16.5 24.7
100 14.4 9.4 14.2#



#49
Dibromochloromethane
Concen: 5.553 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041803.D
Acq: 24 Dec 2020 13:38

Tgt Ion: 129 Resp: 51007
Ion Ratio Lower Upper
129 100
127 78.6 54.7 101.7

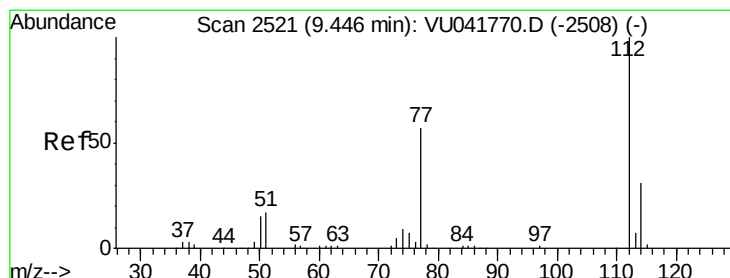
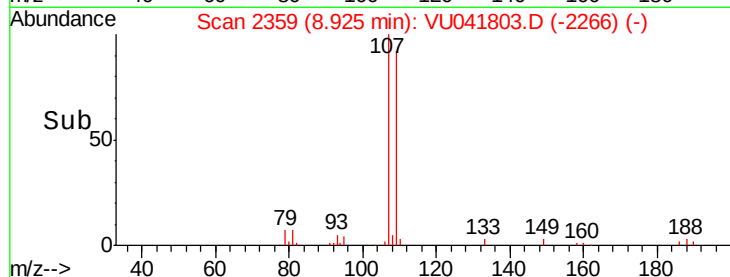
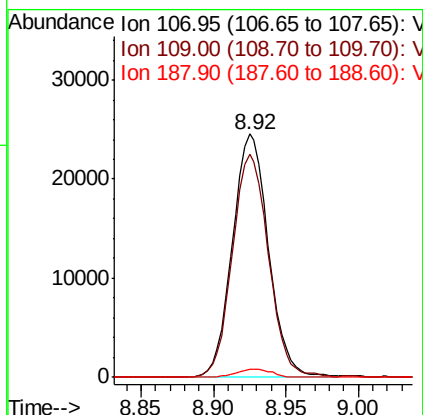
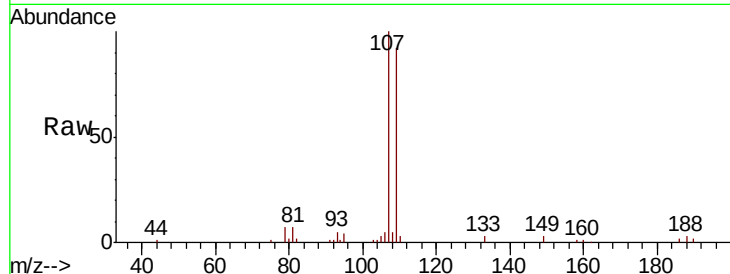




#50
1,2-Dibromoethane
Concen: 5.368 ug/L
RT: 8.92 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU041803.D
Acq: 24 Dec 2020 13:38

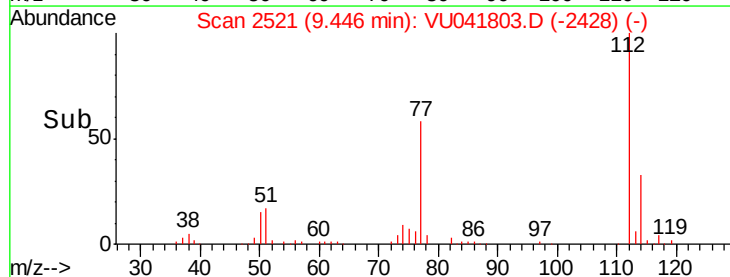
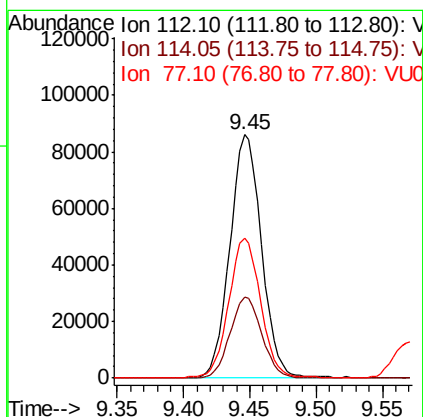
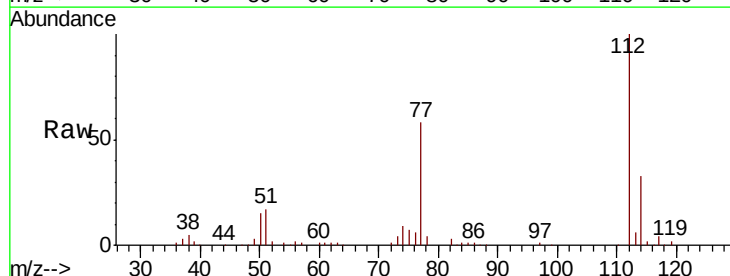
Instrument :
MSVOA_U
ClientSampleId :
BFB202

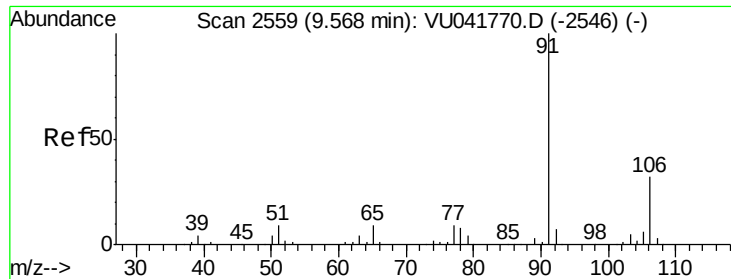
Tot Ion:107 Resp: 42467
Ion Ratio Lower Upper
107 100
109 91.7 65.6 121.8
188 3.3 2.6 4.0



#51
Chlorobenzene
Concen: 5.261 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU041803.D
Acq: 24 Dec 2020 13:38

Tgt Ion:112 Resp: 142742
Ion Ratio Lower Upper
112 100
114 33.2 22.7 42.3
77 57.7 49.1 73.7





#52

Ethylbenzene

Concen: 5.013 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

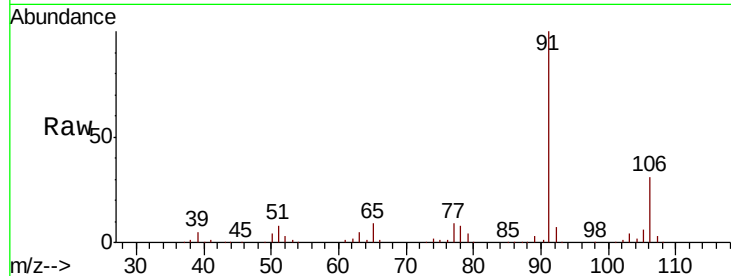
BFB202

Tot Ion: 91 Resp: 233015

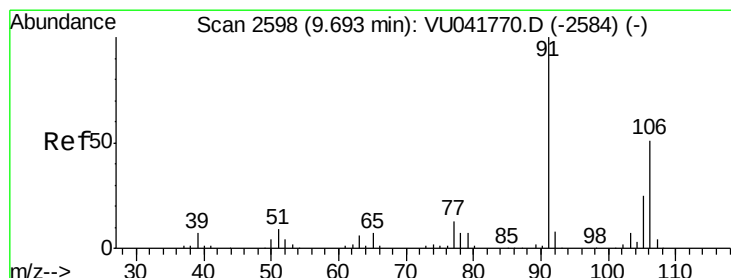
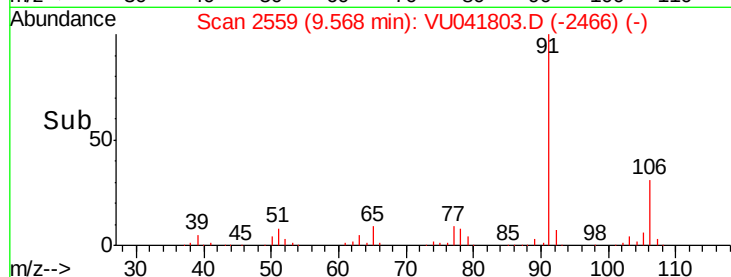
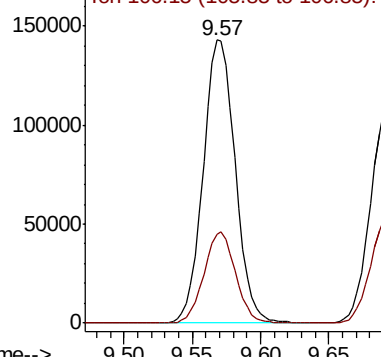
Ion Ratio Lower Upper

91 100

106 31.4 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041770.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.283 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041803.D

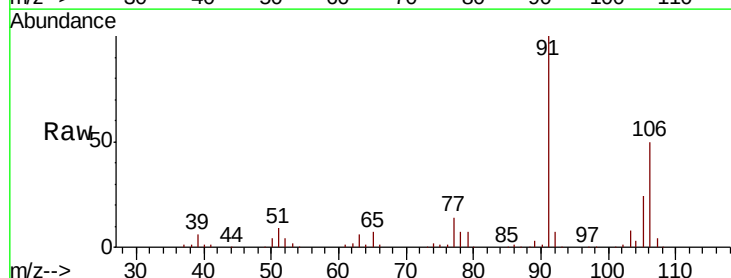
Acq: 24 Dec 2020 13:38

Tgt Ion: 106 Resp: 91570

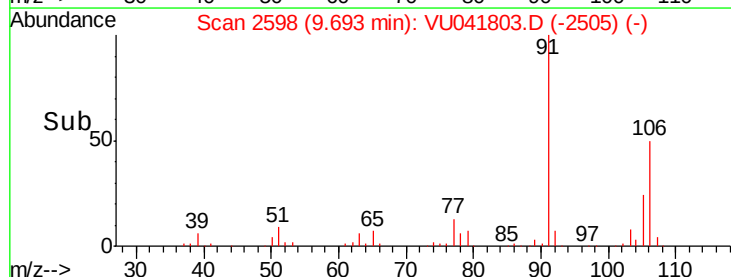
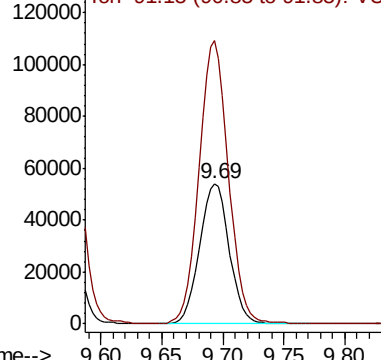
Ion Ratio Lower Upper

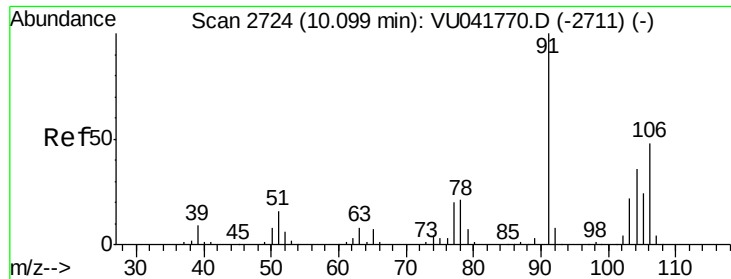
106 100

91 201.7 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041770.D (-2584) (-)

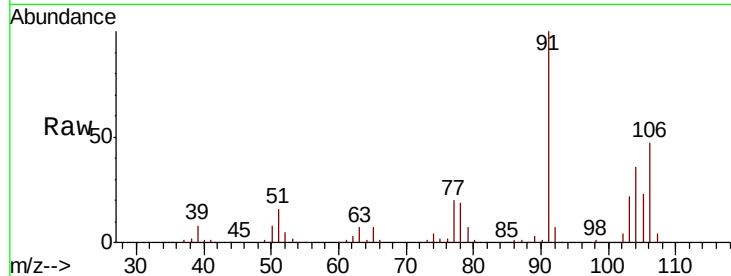




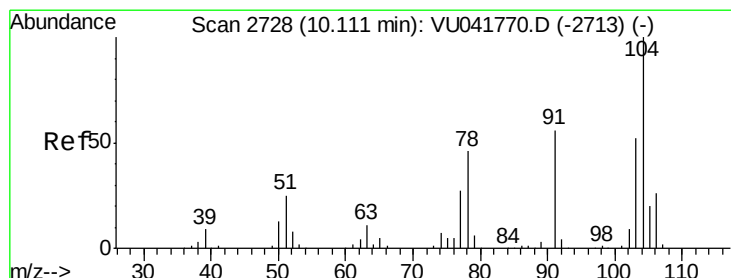
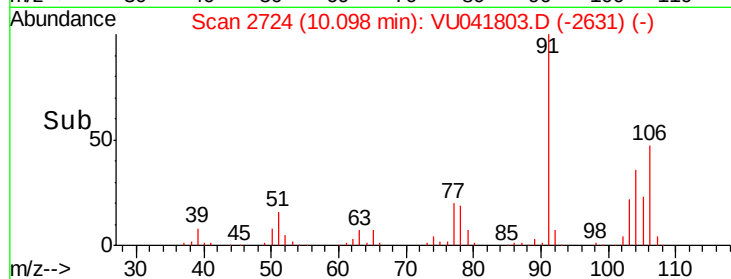
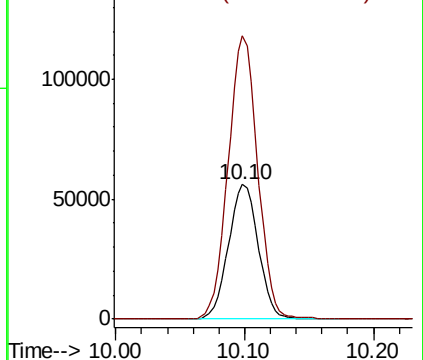
#54
o-Xylene
Concen: 5.314 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041803.D
Acq: 24 Dec 2020 13:38

Instrument :
MSVOA_U
ClientSampleId :
BFB202

Tot Ion:106 Resp: 90227
Ion Ratio Lower Upper
106 100
91 210.7 151.3 281.1

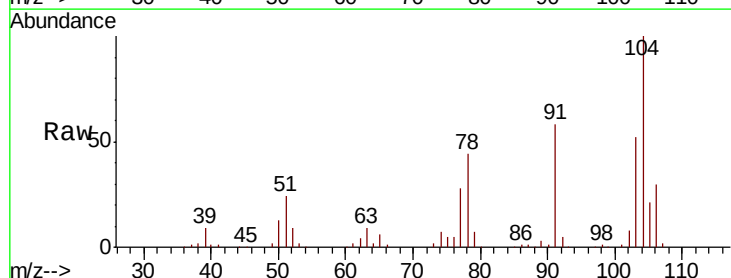


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

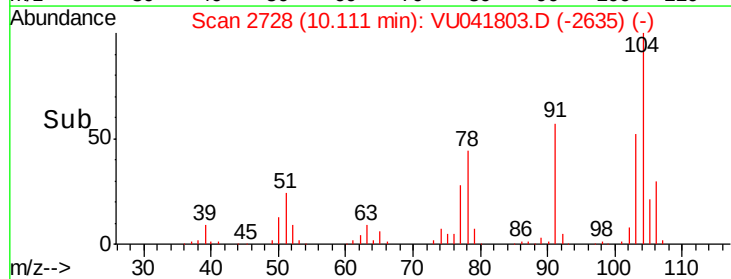
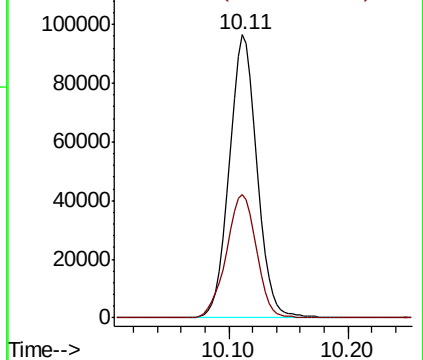


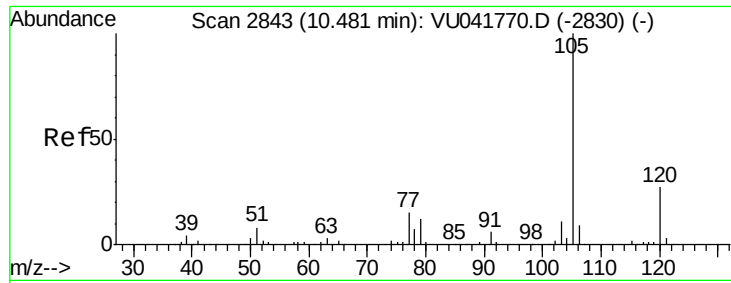
#55
Styrene
Concen: 5.316 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041803.D
Acq: 24 Dec 2020 13:38

Tgt Ion:104 Resp: 155896
Ion Ratio Lower Upper
104 100
78 43.8 31.1 57.9



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





#56

Isopropylbenzene

Concen: 5.245 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

BFB202

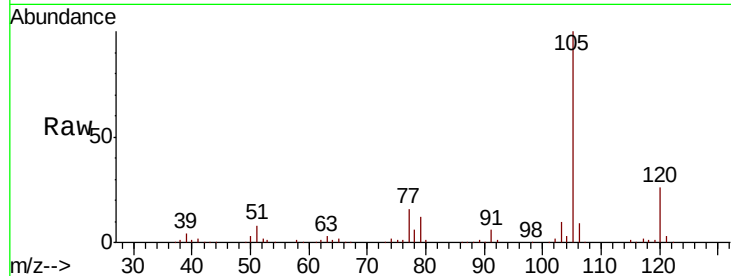
Tot Ion:105 Resp: 237020

Ion Ratio Lower Upper

105 100

120 26.2 20.5 30.7

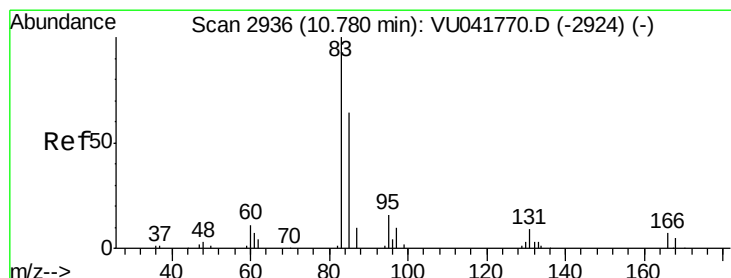
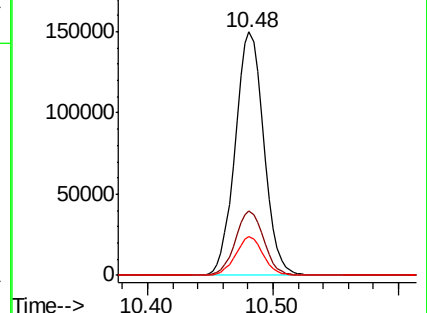
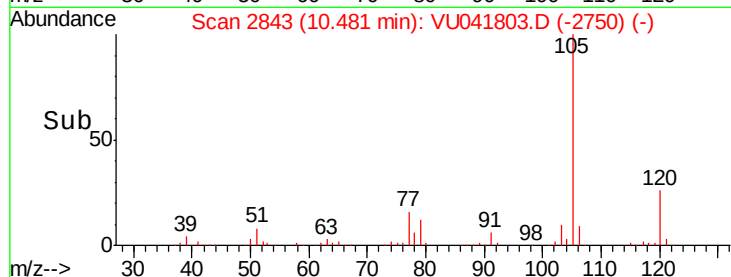
77 15.3 12.7 19.1



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: 4.910 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

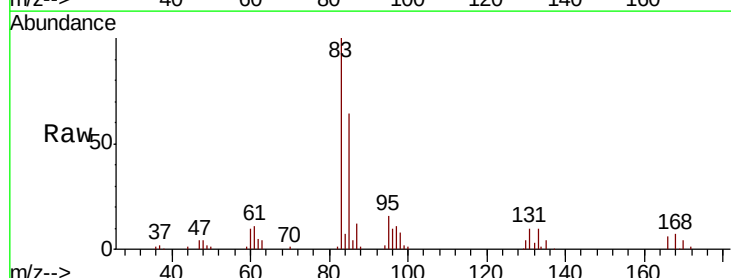
Tgt Ion: 83 Resp: 54641

Ion Ratio Lower Upper

83 100

85 64.0 46.1 85.7

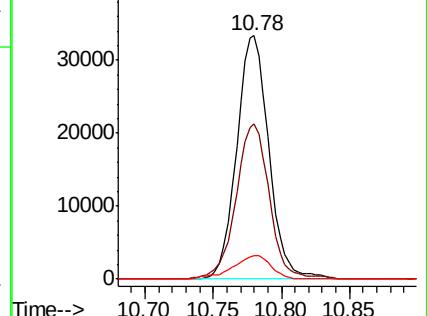
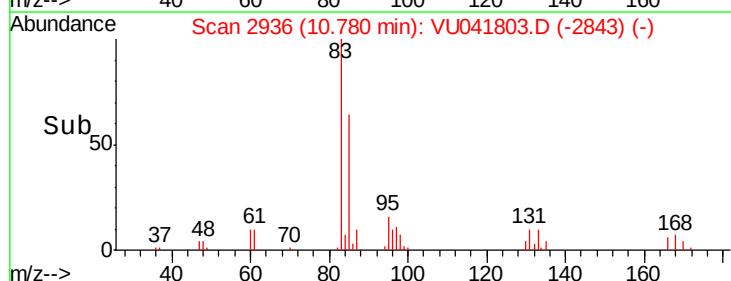
131 9.6 7.8 11.6

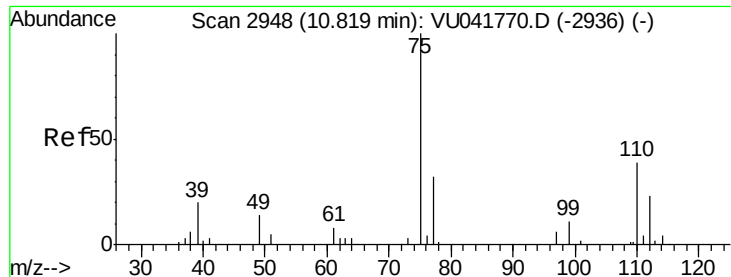


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

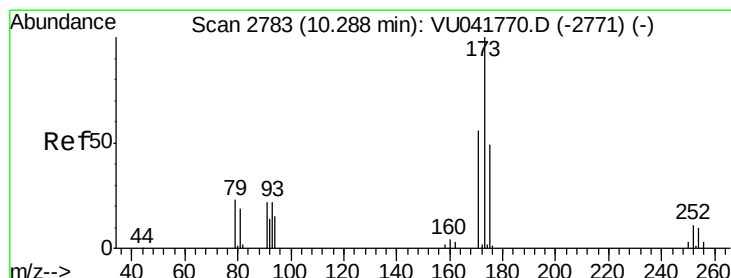
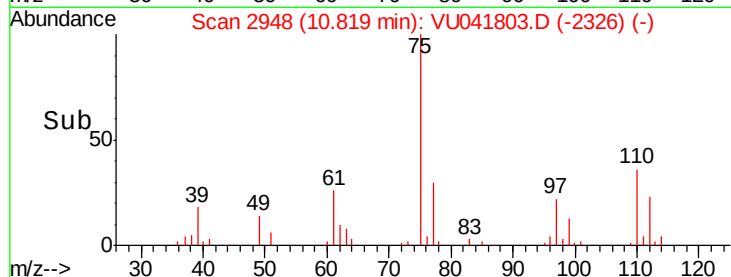
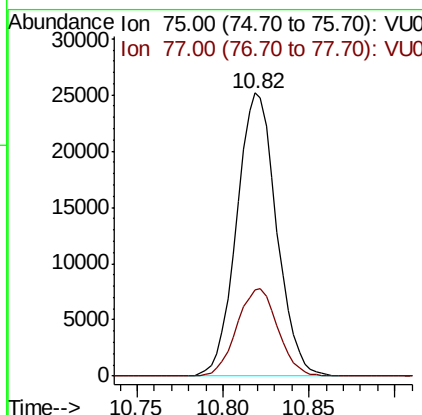
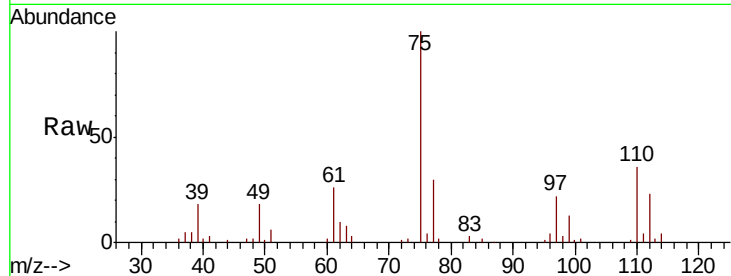




#59
 1,2,3-Trichloropropane
 Concen: 5.000 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU041803.D
 Acq: 24 Dec 2020 13:38

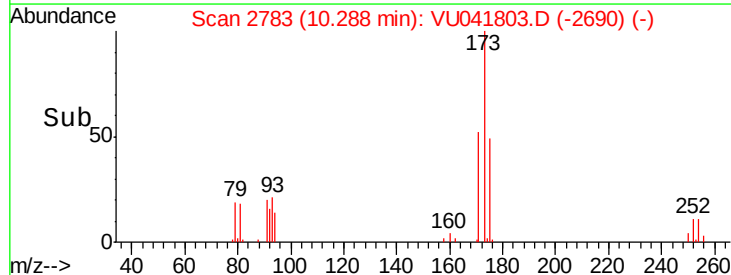
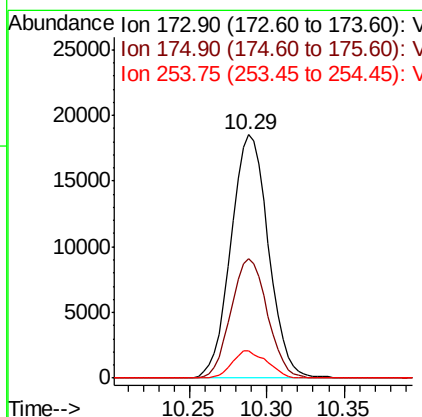
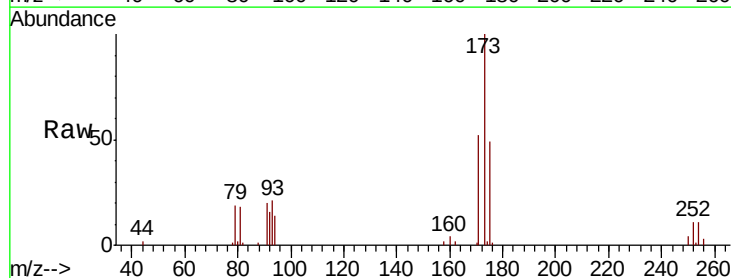
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB202

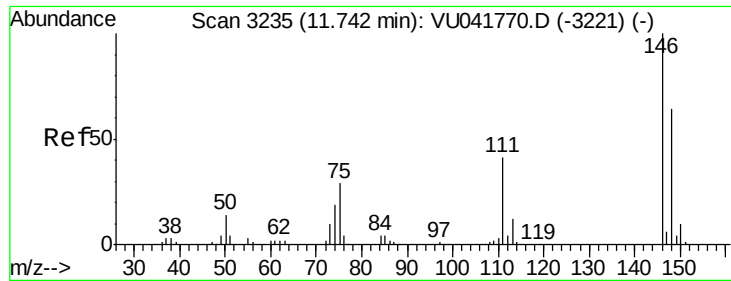
Tot Ion: 75 Resp: 40605
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.2 39.2



#61
 Bromoform
 Concen: 5.757 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU041803.D
 Acq: 24 Dec 2020 13:38

Tgt Ion: 173 Resp: 31190
 Ion Ratio Lower Upper
 173 100
 175 47.5 37.3 55.9
 254 10.4 7.4 11.2

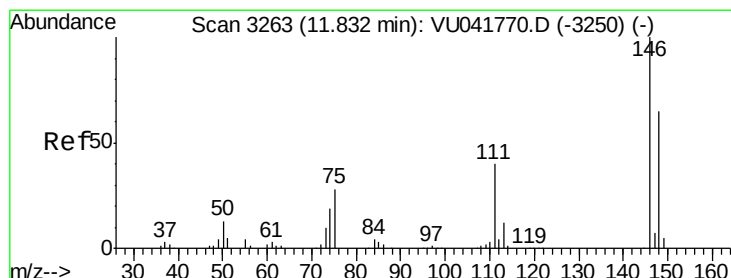
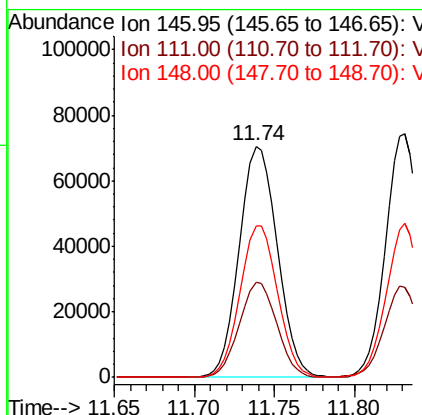
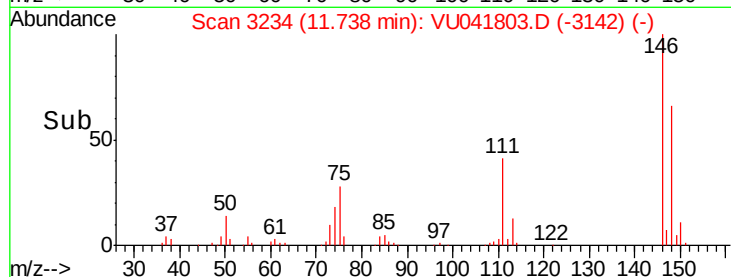
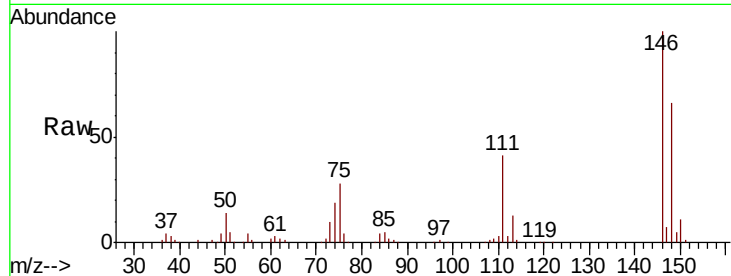




#62
 1,3-Dichlorobenzene
 Concen: 5.236 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU041803.D
 Acq: 24 Dec 2020 13:38

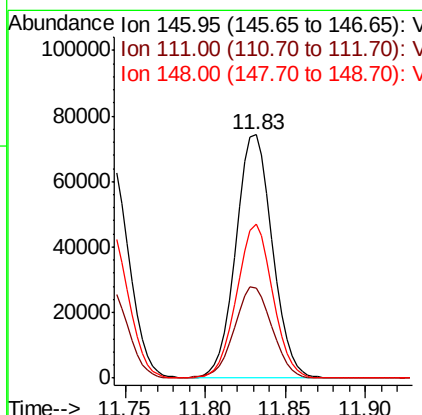
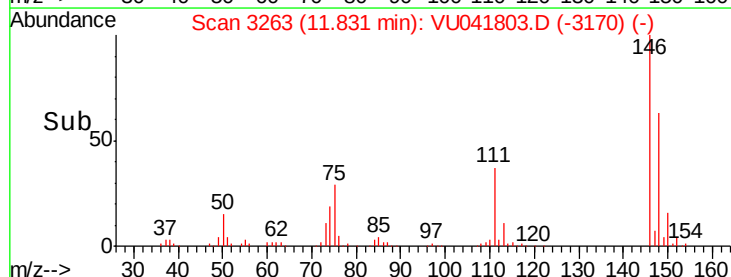
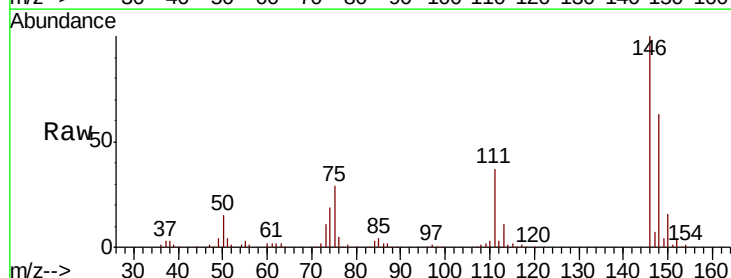
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB202

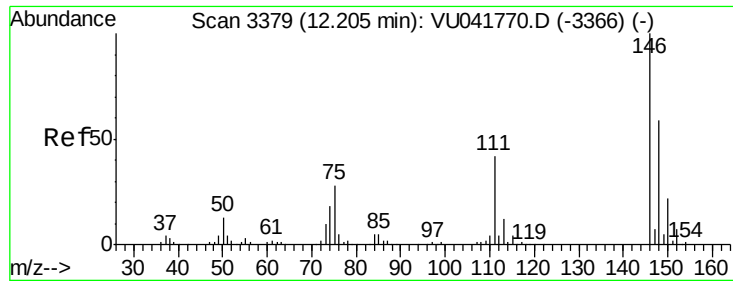
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	30.0	55.8
148	65.7	44.9	83.3



#63
 1,4-Dichlorobenzene
 Concen: 5.239 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041803.D
 Acq: 24 Dec 2020 13:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	27.9	51.9
148	63.1	45.0	83.6

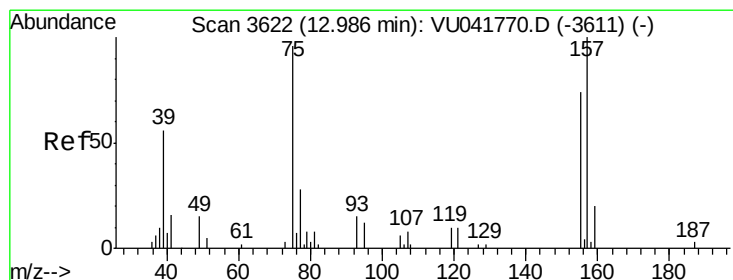
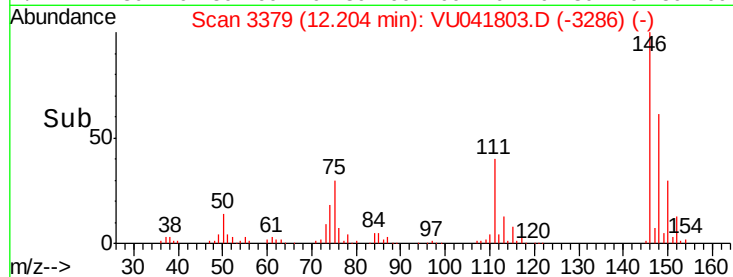
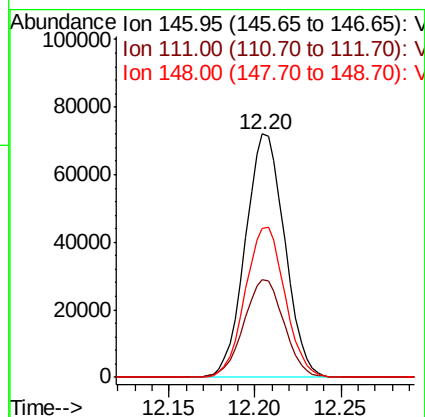
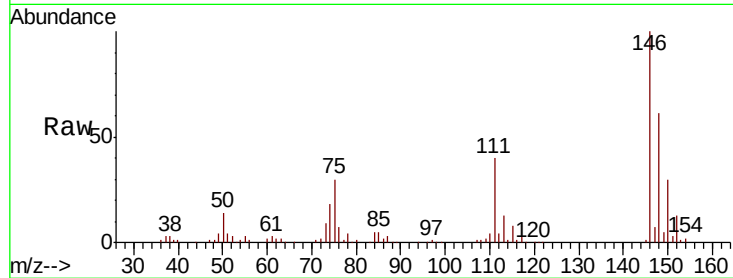




#65
 1,2-Dichlorobenzene
 Concen: 5.338 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041803.D
 Acq: 24 Dec 2020 13:38

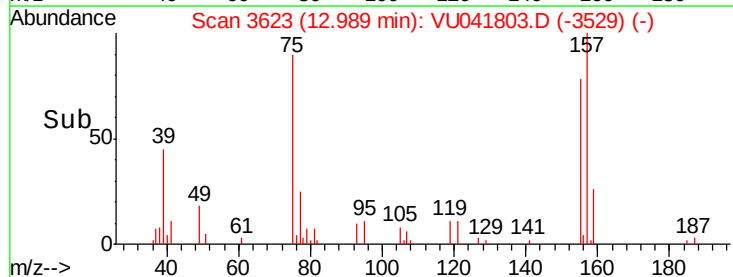
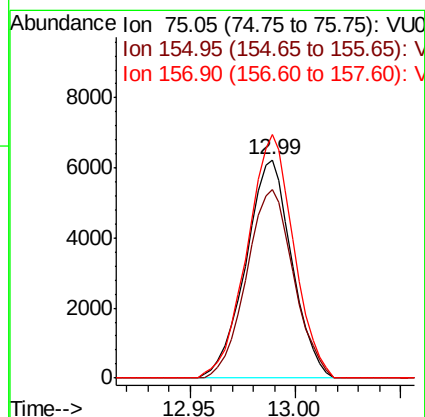
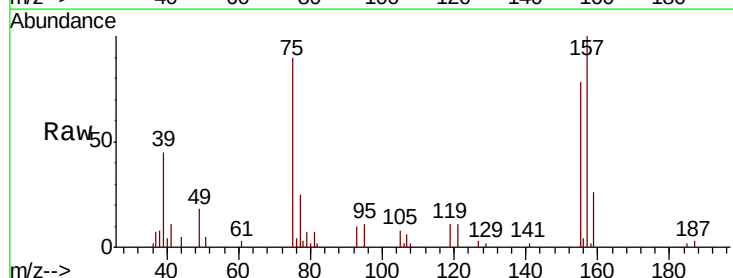
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB202

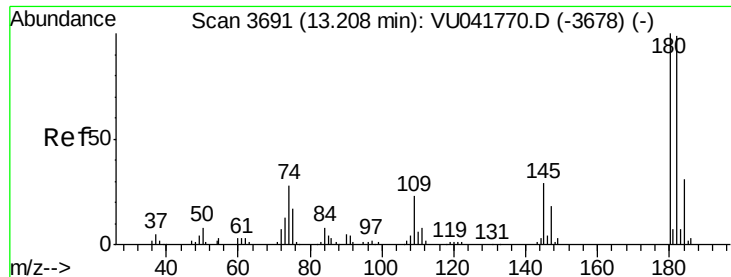
Tot Ion:146 Resp: 114564
 Ion Ratio Lower Upper
 146 100
 111 40.3 35.0 52.6
 148 61.3 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.694 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041803.D
 Acq: 24 Dec 2020 13:38

Tgt Ion: 75 Resp: 9447
 Ion Ratio Lower Upper
 75 100
 155 86.6 57.4 86.0#
 157 111.4 72.4 108.6#

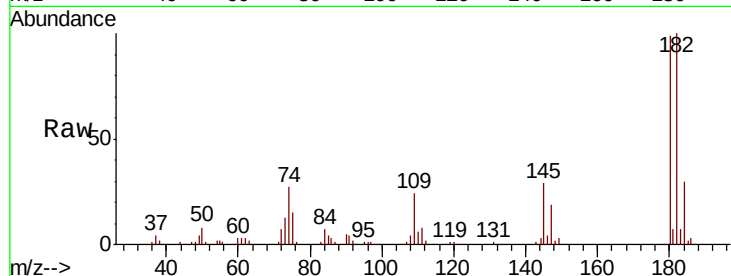




#67
 1,3,5-Trichlorobenzene
 Concen: 5.045 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041803.D
 Acq: 24 Dec 2020 13:38

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB202

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.8	76.3	114.5
184	31.0	24.1	36.1
145	29.9	24.1	36.1



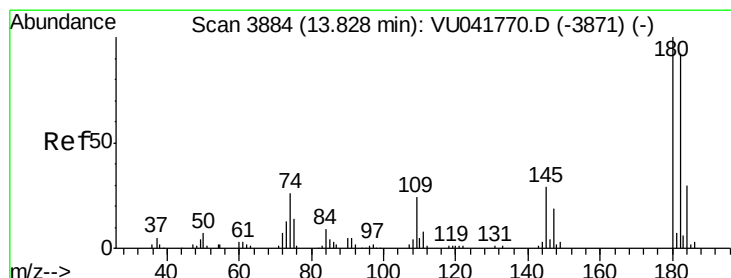
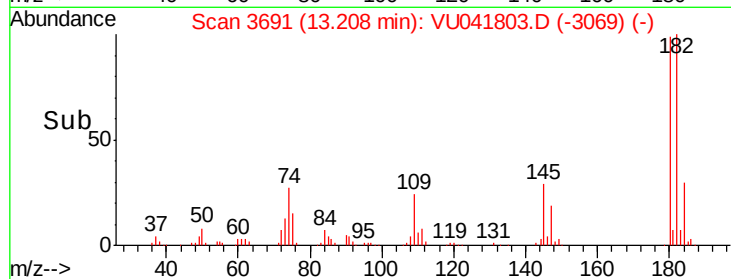
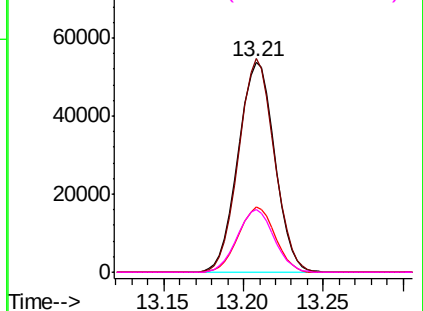
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

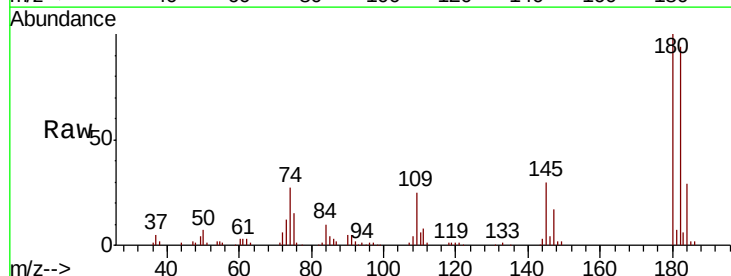
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.809 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041803.D
 Acq: 24 Dec 2020 13:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.4	113.0
145	30.0	24.5	36.7

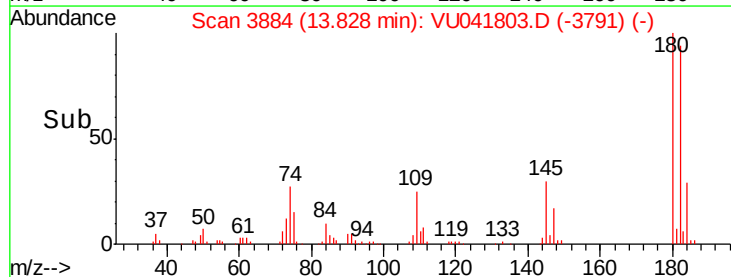
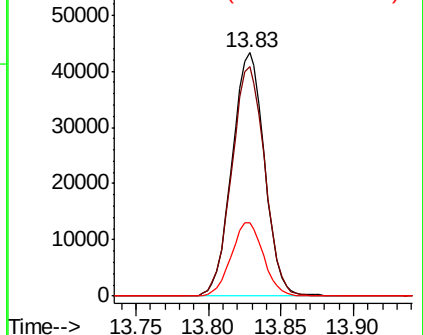


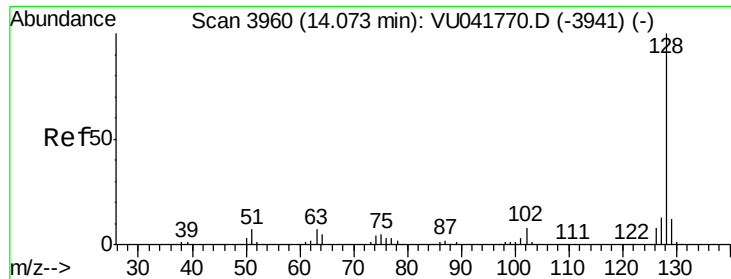
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.105 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

BFB202

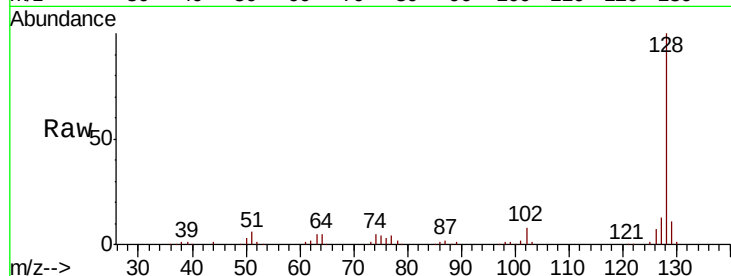
Tot Ion:128 Resp: 118647

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

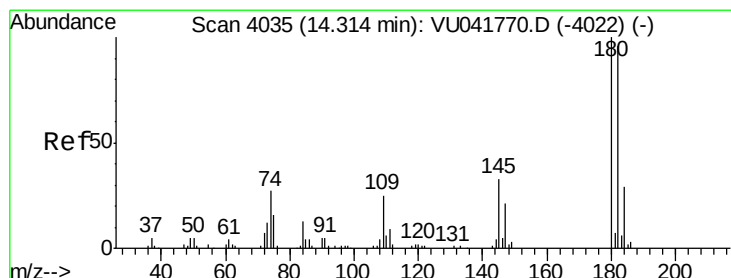
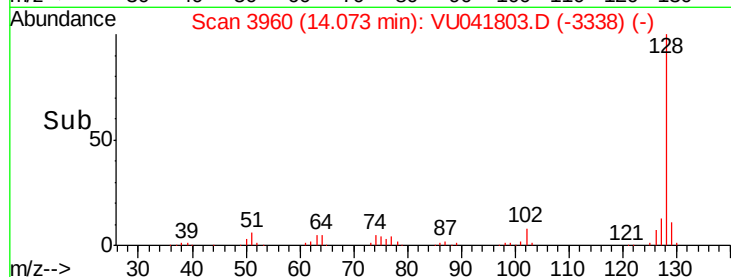
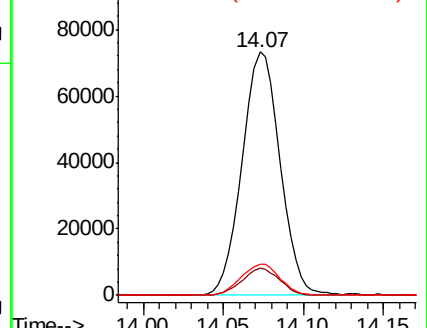
127 13.1 10.2 15.4



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: 4.877 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041803.D

Acq: 24 Dec 2020 13:38

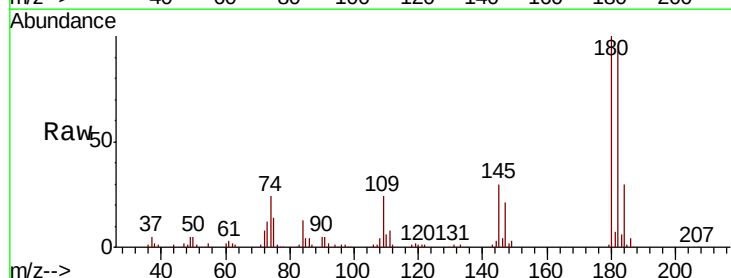
Tgt Ion:180 Resp: 64898

Ion Ratio Lower Upper

180 100

182 95.5 77.0 115.4

145 30.7 26.4 39.6



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

