

Data File : VU037033.D
Acq On : 04 Mar 2020 10:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB57

Quant Time: Mar 05 00:55:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 04 06:53:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	263166	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	252681	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	108836	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	102974	46.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.18%
7) Chloroethane-d5	1.93	69	94265	51.55	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.10%
11) 1,1-Dichloroethene-d2	2.59	63	180645	48.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.62%
21) 2-Butanone-d5	4.67	46	145512	98.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.16%
24) Chloroform-d	5.11	84	181352	53.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.48%
26) 1,2-Dichloroethane-d4	5.74	65	117009	51.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.46%
32) Benzene-d6	5.76	84	374730	51.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.56%
36) 1,2-Dichloropropane-d6	6.72	67	121208	51.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.40%
41) Toluene-d8	7.92	98	343976	50.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.48%
43) trans-1,3-Dichloropropene-	8.20	79	52137	47.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.78%
47) 2-Hexanone-d5	8.66	63	105810	91.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.41%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	169694	50.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.68%
64) 1,2-Dichlorobenzene-d4	12.21	152	107505	50.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.06%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	115762	51.860 ug/L	100
3) Chloromethane	1.54	50	129067	50.258 ug/L	98
5) Vinyl chloride	1.62	62	135079	50.994 ug/L	100
6) Bromomethane	1.87	94	76822	56.525 ug/L	100
8) Chloroethane	1.95	64	82956	52.244 ug/L	100
9) Trichlorofluoromethane	2.16	101	153075	54.487 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	93091	55.392 ug/L	100
12) 1,1-Dichloroethene	2.60	96	86907	51.128 ug/L	91
13) Acetone	2.65	43	184147	120.766 ug/L	98
14) Carbon disulfide	2.82	76	251628	46.788 ug/L	99
15) Methyl Acetate	2.98	43	119080	51.236 ug/L	99
16) Methylene chloride	3.08	84	110228	53.167 ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	92741	50.789 ug/L	99
18) Methyl tert-butyl Ether	3.40	73	304428	51.289 ug/L	99
19) 1,1-Dichloroethane	3.91	63	187767	52.921 ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	107431	52.617 ug/L	99
22) 2-Butanone	4.75	43	209286	113.820 ug/L	100

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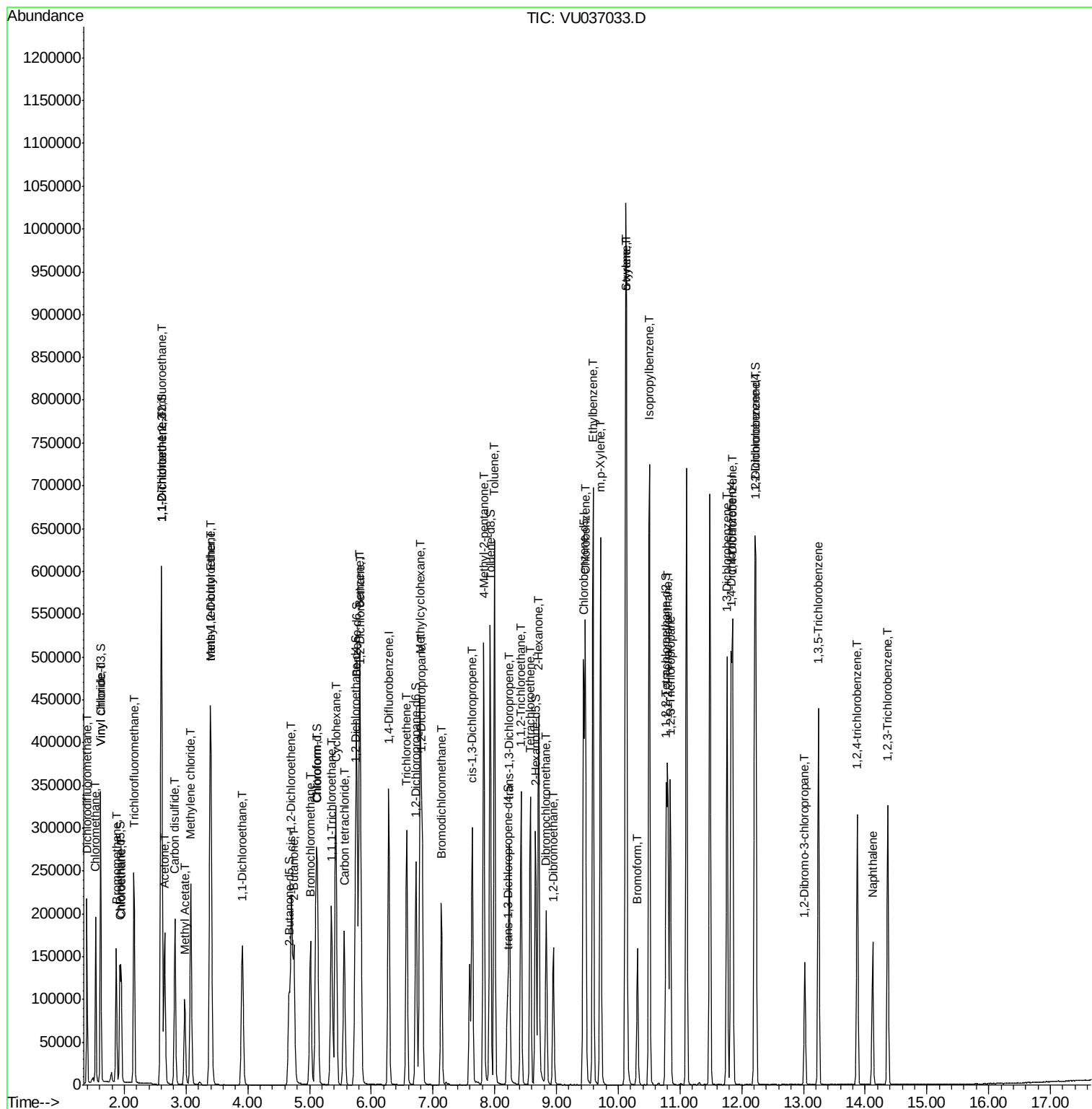
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	49870	53.934	ug/L	95
25) Chloroform	5.13	83	183303	53.544	ug/L	99
27) 1,2-Dichloroethane	5.83	62	148586	53.312	ug/L	100
29) Cyclohexane	5.43	56	160731	47.935	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	143805	53.082	ug/L	98
31) Carbon tetrachloride	5.56	117	114950	54.134	ug/L	98
33) Benzene	5.81	78	418324	52.405	ug/L	100
34) Trichloroethene	6.57	95	101840	51.907	ug/L	98
35) Methylcyclohexane	6.79	83	170987	50.265	ug/L	99
37) 1,2-Dichloropropane	6.82	63	113158	52.648	ug/L	100
38) Bromodichloromethane	7.14	83	134906	53.174	ug/L	95
39) cis-1,3-Dichloropropene	7.64	75	166848	50.394	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	322224	101.741	ug/L	99
42) Toluene	8.00	91	447155	52.579	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	148491	51.701	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	103980	54.402	ug/L	98
46) Tetrachloroethene	8.58	164	67740	52.410	ug/L	99
48) 2-Hexanone	8.71	43	266357	105.390	ug/L	99
49) Dibromochloromethane	8.83	129	97773	53.894	ug/L	99
50) 1,2-Dibromoethane	8.95	107	105754	52.911	ug/L	99
51) Chlorobenzene	9.47	112	264302	52.450	ug/L	99
52) Ethylbenzene	9.59	91	477151	51.755	ug/L	99
53) m,p-Xylene	9.71	106	179436	53.059	ug/L	99
54) o-xylene	10.12	106	174311	51.679	ug/L	99
55) Styrene	10.13	104	291998	52.958	ug/L	98
56) Isopropylbenzene	10.50	105	449647	51.903	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	182648	53.452	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	145791	52.728	ug/L	99
61) Bromoform	10.31	173	66299	53.880	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	188487	53.386	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	186200	53.380	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	190218	53.959	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	37381	53.450	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	123512	55.114	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	89089	53.060	ug/L	98
69) Naphthalene	14.12	128	128412	43.325	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	89960	53.616	ug/L	98

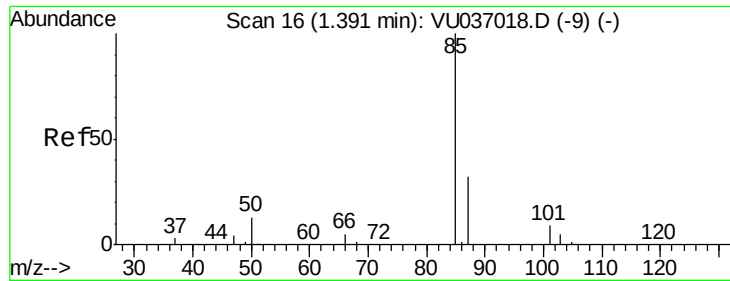
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 51.860 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

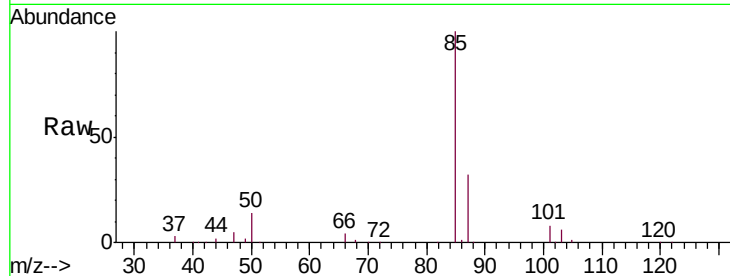
BFB57

Tgt Ion: 85 Resp: 115762

Ion Ratio Lower Upper

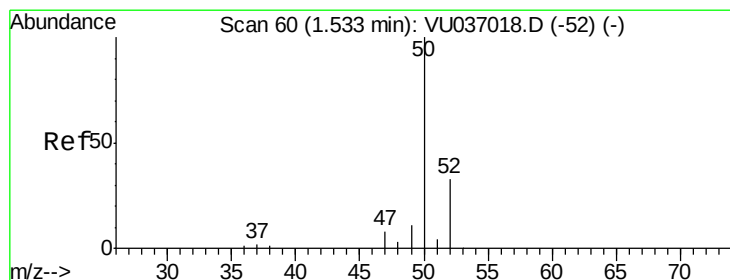
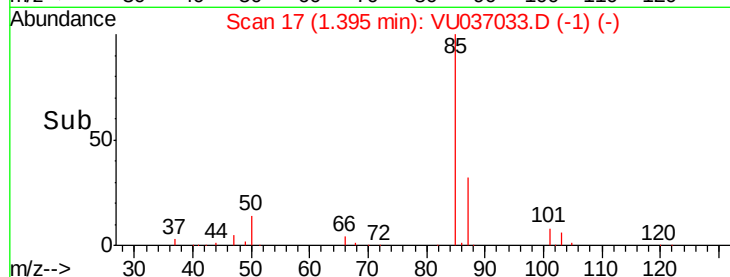
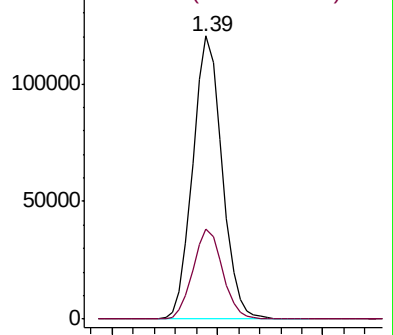
85 100

87 32.2 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU037018.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037018.D (-9) (-)



#3

Chloromethane

Concen: 50.258 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037033.D

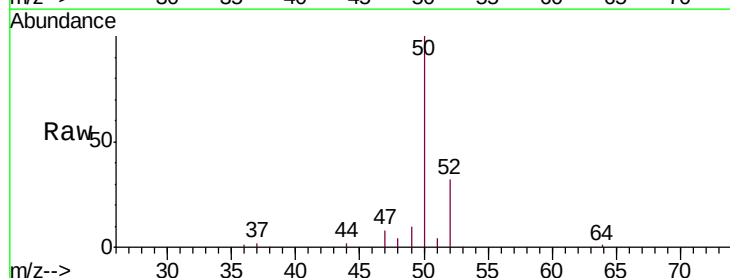
Acq: 04 Mar 2020 10:03

Tgt Ion: 50 Resp: 129067

Ion Ratio Lower Upper

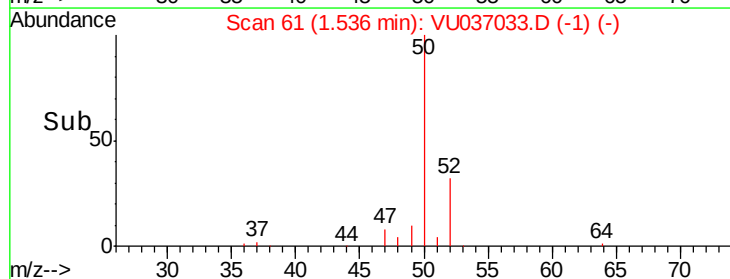
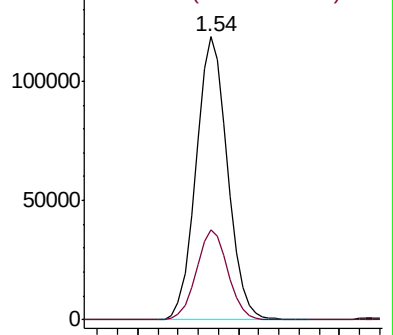
50 100

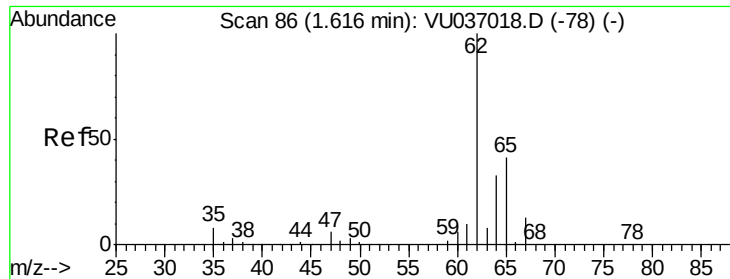
52 31.9 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU037018.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037018.D (-52) (-)





#5

Vinyl chloride

Concen: 50.994 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

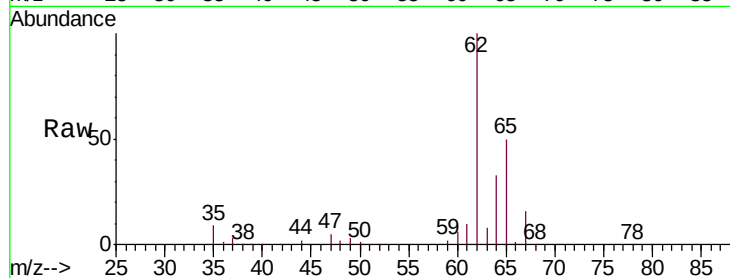
BFB57

Tgt Ion: 62 Resp: 135079

Ion Ratio Lower Upper

62 100

64 33.1 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU037033.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU037033.D (-1) (-)

150000

100000

50000

0

Time-->

1.60 1.65 1.70

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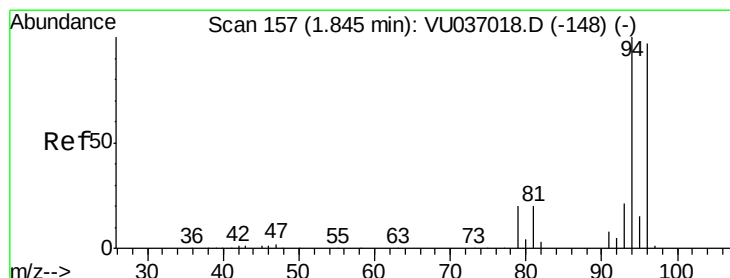
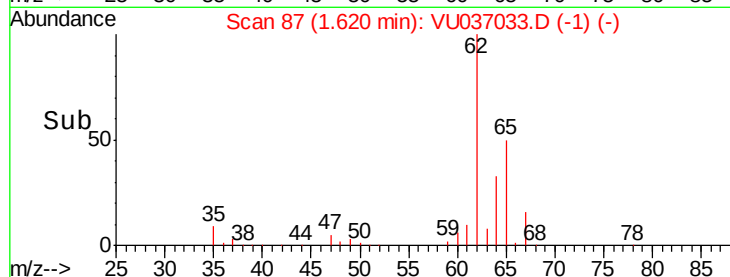
1.62

1.62

1.62

1.62

1.62



#6

Bromomethane

Concen: 56.525 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.03 min

Lab File: VU037033.D

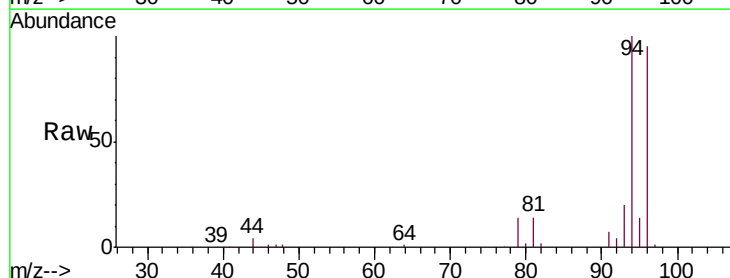
Acq: 04 Mar 2020 10:03

Tgt Ion: 94 Resp: 76822

Ion Ratio Lower Upper

94 100

96 94.7 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU037033.D (-64) (-)

Ion 96.00 (95.70 to 96.70): VU037033.D (-64) (-)

60000

50000

40000

30000

20000

10000

0

Time-->

1.80 1.85 1.90 1.95

1.87

1.87

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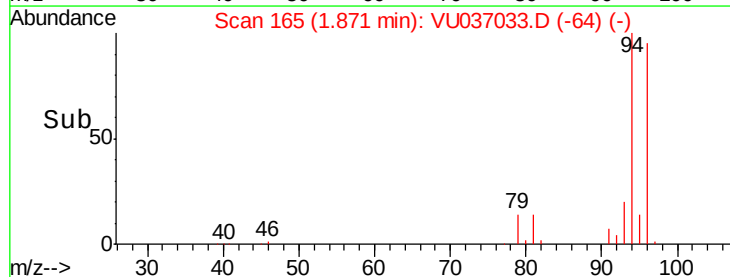
1.87

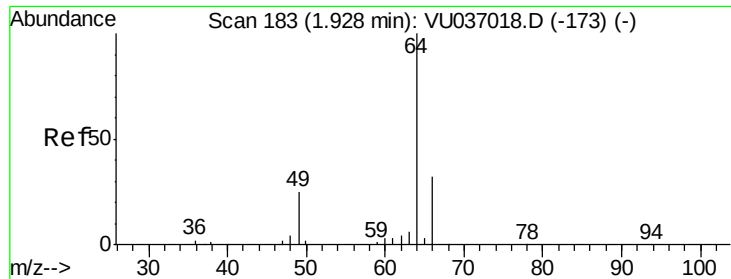
1.87

1.87

1.87

1.87

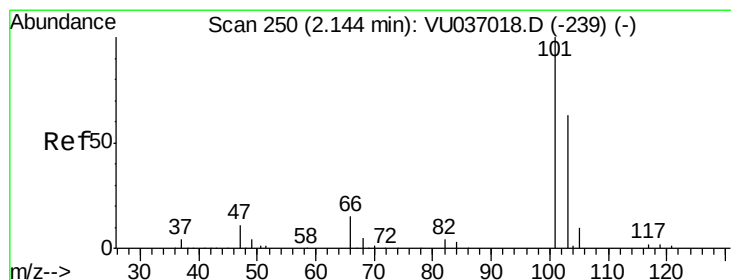
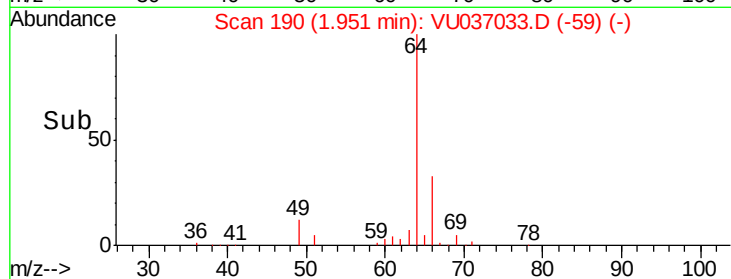
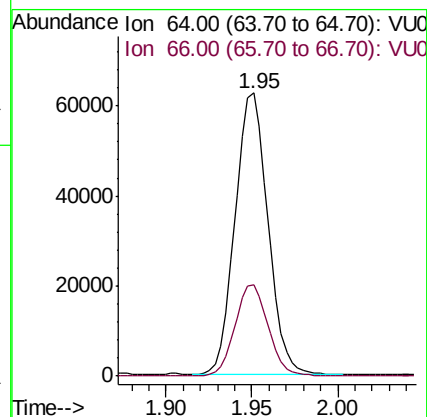
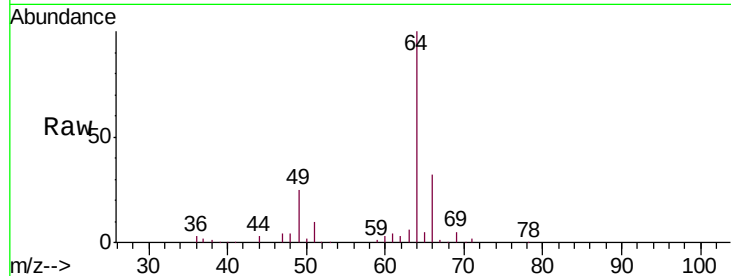




#8
Chloroethane
Concen: 52.244 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.02 min
Lab File: VU037033.D
Acq: 04 Mar 2020 10:03

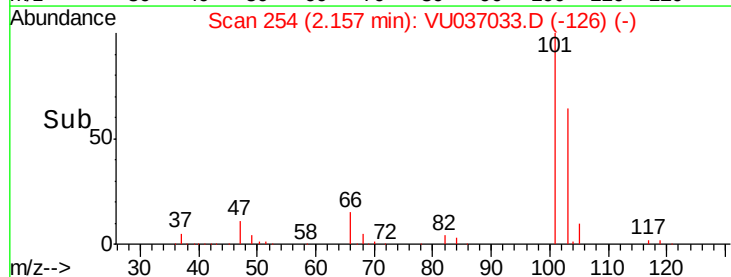
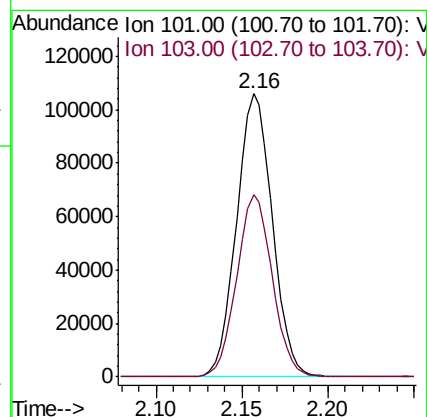
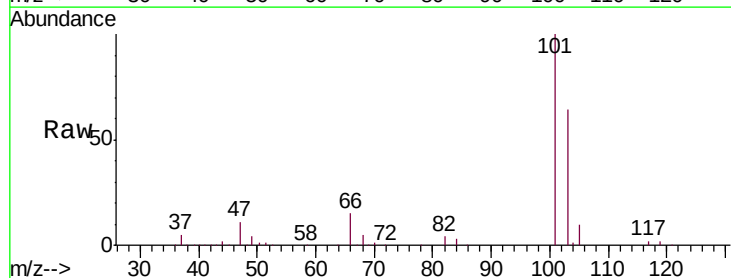
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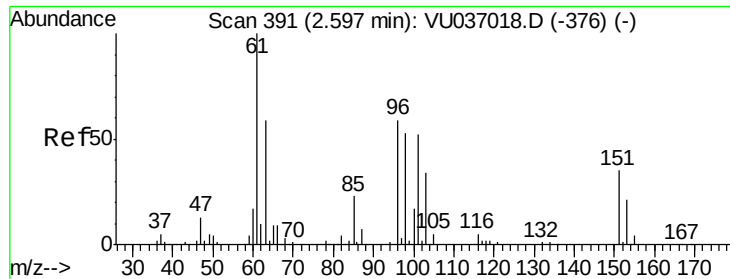
Tgt Ion: 64 Resp: 82956
Ion Ratio Lower Upper
64 100
66 32.1 22.5 41.9



#9
Trichlorofluoromethane
Concen: 54.487 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.01 min
Lab File: VU037033.D
Acq: 04 Mar 2020 10:03

Tgt Ion: 101 Resp: 153075
Ion Ratio Lower Upper
101 100
103 63.9 50.9 76.3





#10

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

Concen: 55.392 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.01 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

BFB57

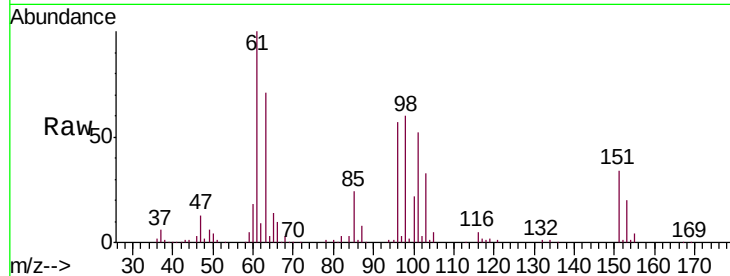
Tgt Ion: 101 Resp: 93091

Ion Ratio Lower Upper

101 100

85 45.5 36.4 54.6

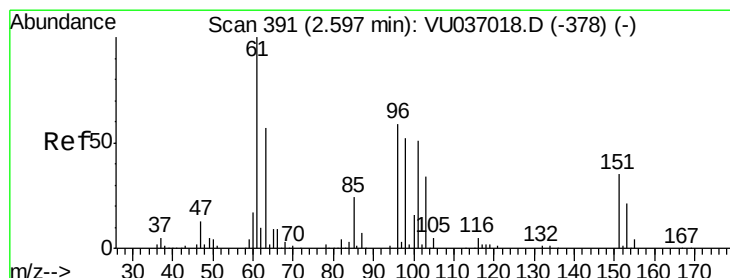
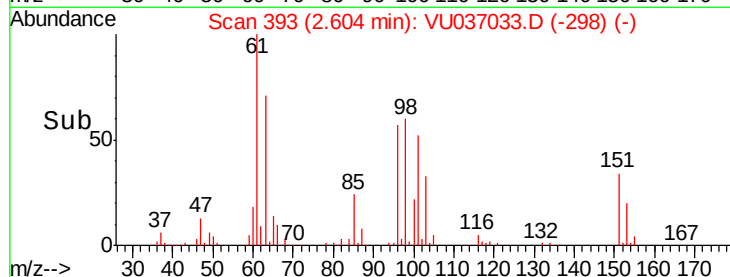
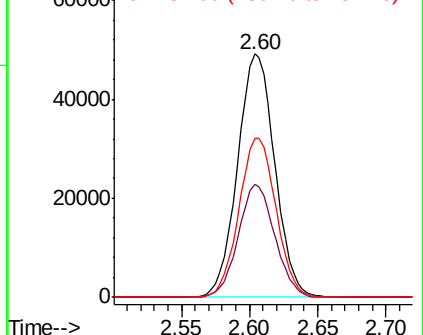
151 65.0 52.4 78.6



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: 51.128 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.01 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

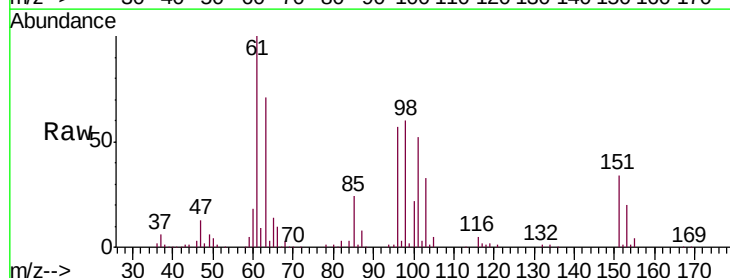
Tgt Ion: 96 Resp: 86907

Ion Ratio Lower Upper

96 100

61 176.8 127.5 236.7

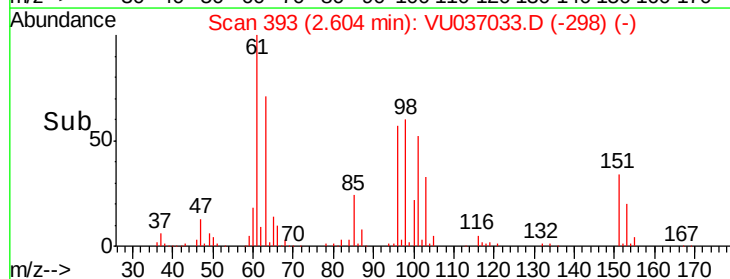
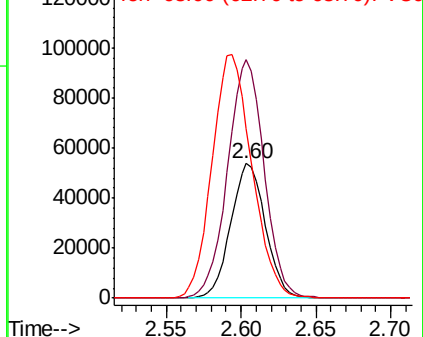
63 125.5 101.4 188.2

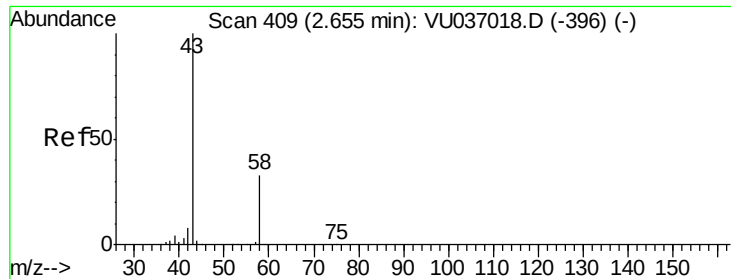


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

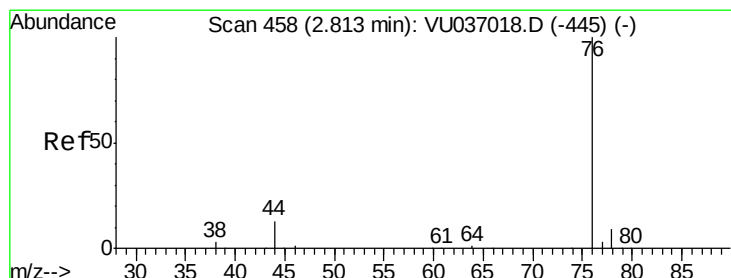
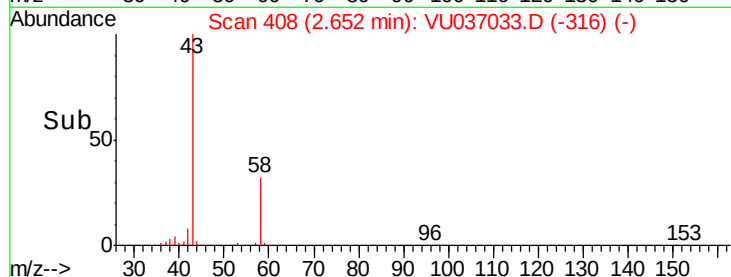
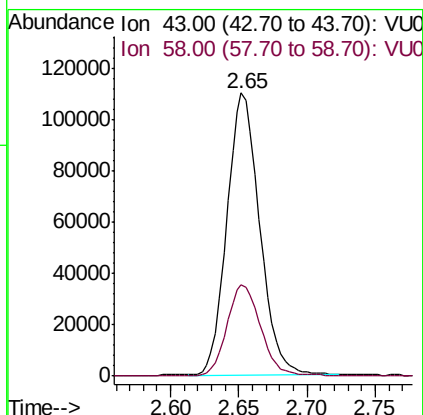
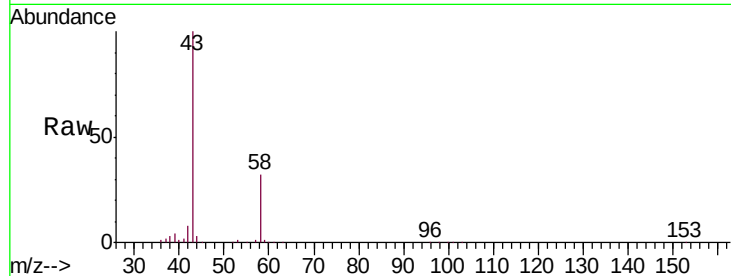




#13
Acetone
Concen: 120.766 ug/L
RT: 2.65 min Scan# 408
Delta R.T. -0.00 min
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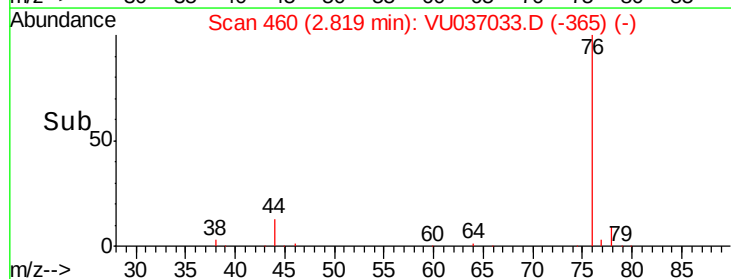
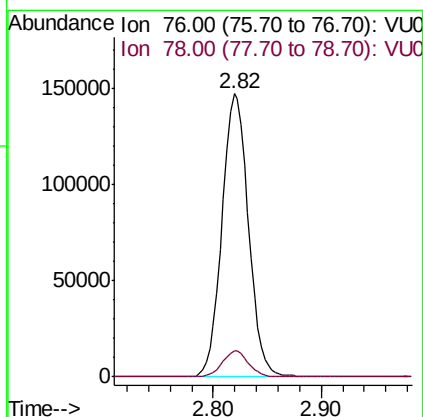
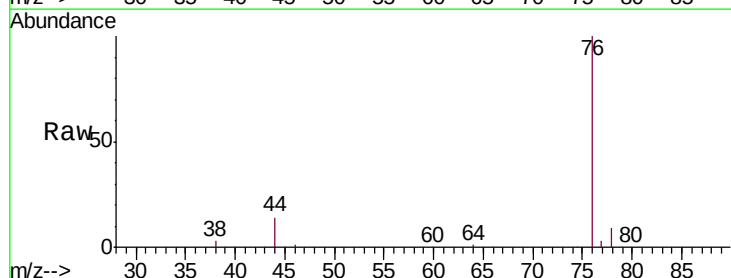
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MSVOA_U
ClientSampleId :
BFB57

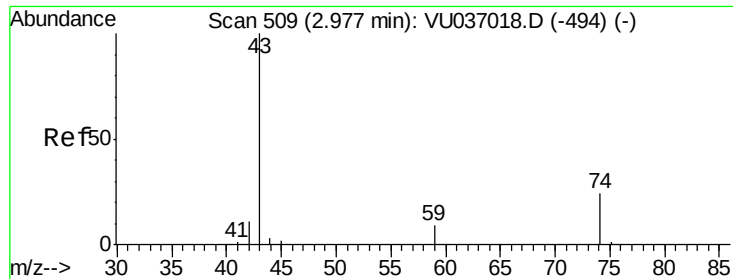
Tgt Ion: 43 Resp: 184147
Ion Ratio Lower Upper
43 100
58 33.4 0.0 64.6



#14
Carbon disulfide
Concen: 46.788 ug/L
RT: 2.82 min Scan# 460
Delta R.T. 0.01 min
Lab File: VU037033.D
Acq: 04 Mar 2020 10:03

Tgt Ion: 76 Resp: 251628
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

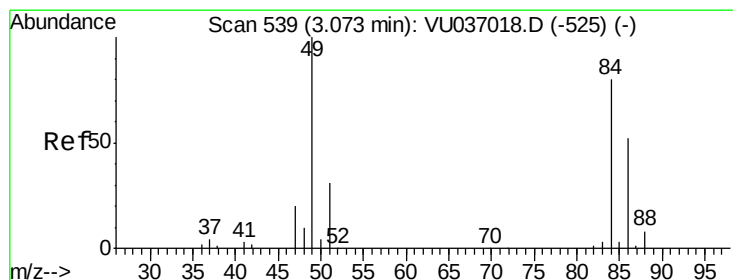
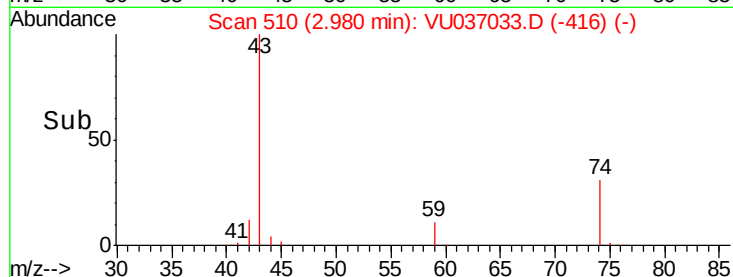
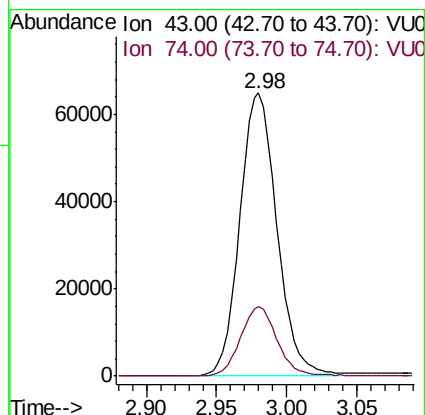
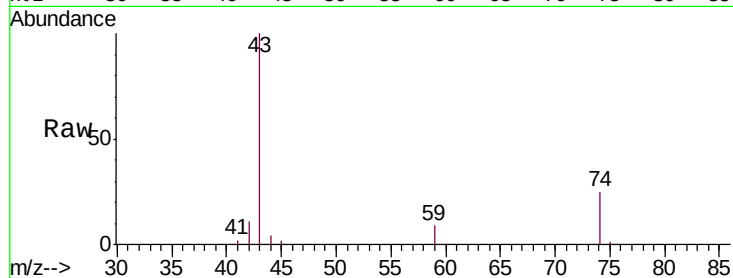




#15
Methyl Acetate
Concen: 51.236 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037033.D
Acq: 04 Mar 2020 10:03

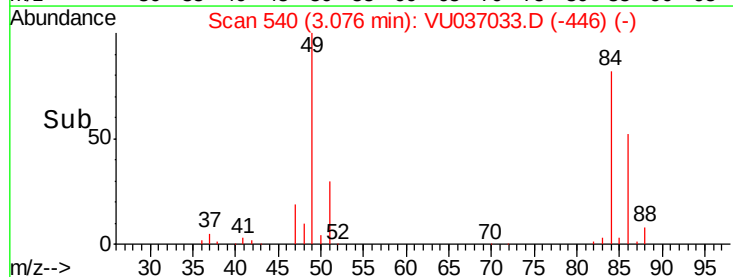
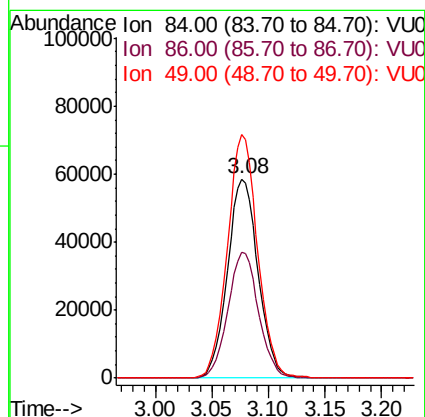
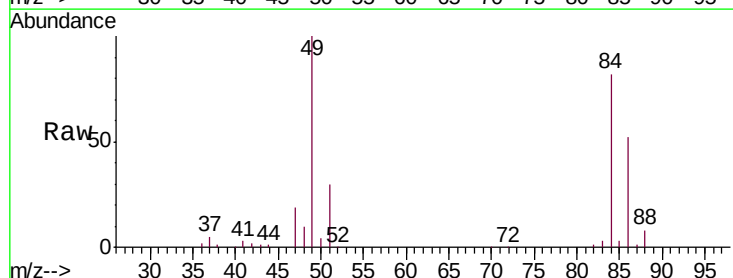
Instrument :
MSVOA_U
ClientSampled :
BFB57

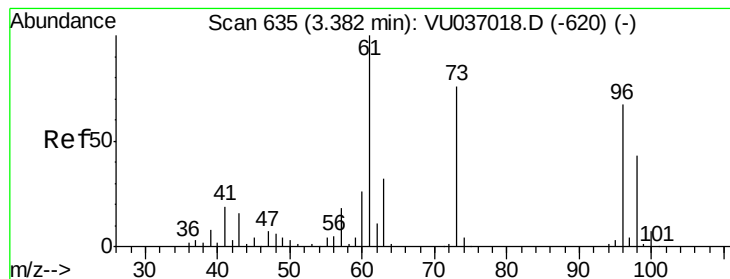
Tgt Ion: 43 Resp: 119080
Ion Ratio Lower Upper
43 100
74 24.2 19.0 28.4



#16
Methylene chloride
Concen: 53.167 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037033.D
Acq: 04 Mar 2020 10:03

Tgt Ion: 84 Resp: 110228
Ion Ratio Lower Upper
84 100
86 62.9 44.4 82.5
49 122.1 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 50.789 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.01 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

BFB57

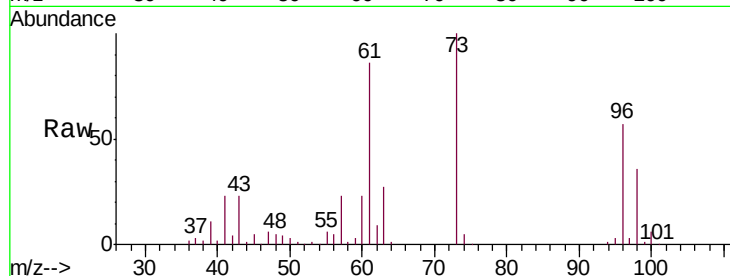
Tgt Ion: 96 Resp: 92741

Ion Ratio Lower Upper

96 100

61 149.2 103.8 192.8

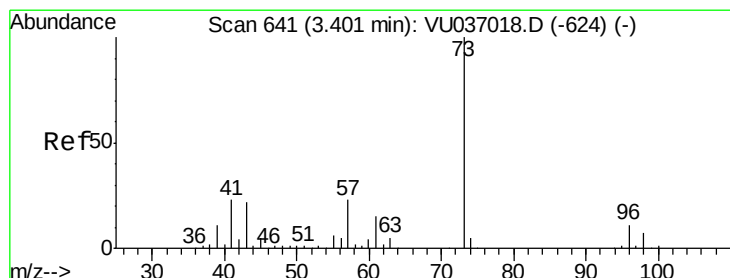
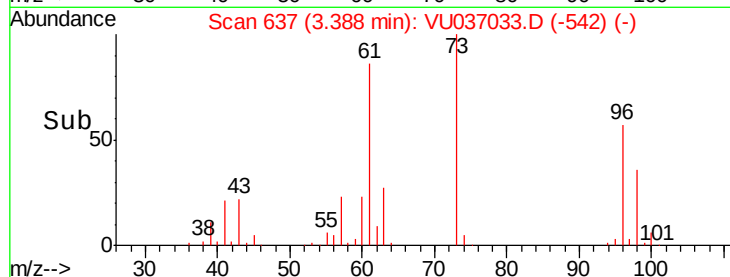
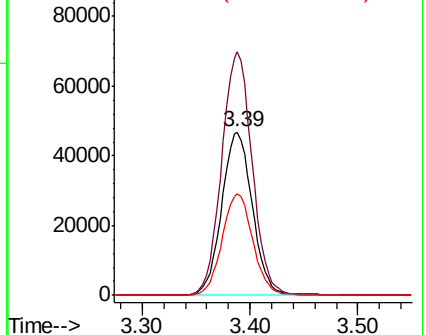
98 62.5 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU037018.D (-620) (-)

Ion 61.00 (60.70 to 61.70): VU037018.D (-620) (-)

Ion 98.00 (97.70 to 98.70): VU037018.D (-620) (-)



#18

Methyl tert-butyl Ether

Concen: 51.289 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

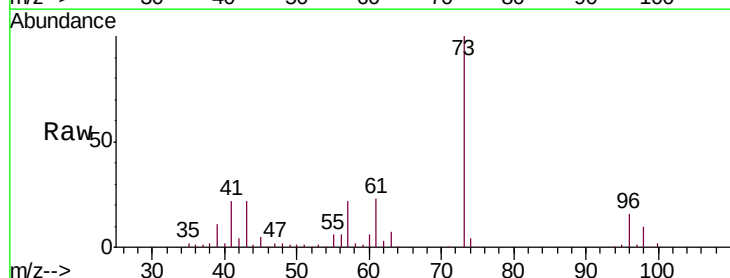
Tgt Ion: 73 Resp: 304428

Ion Ratio Lower Upper

73 100

43 22.3 18.1 27.1

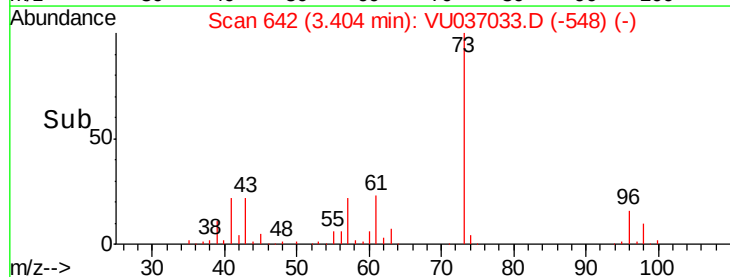
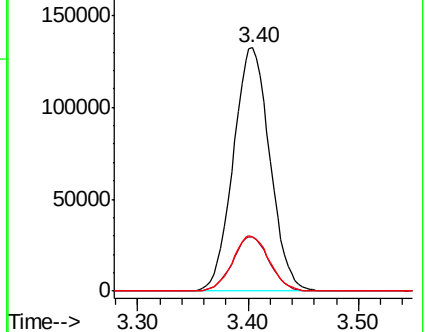
57 22.7 18.4 27.6

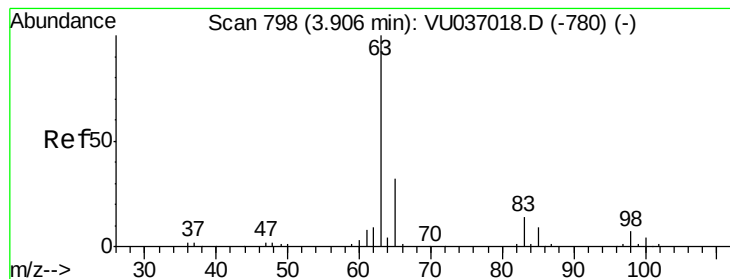


Abundance Ion 73.00 (72.70 to 73.70): VU037018.D (-624) (-)

Ion 43.00 (42.70 to 43.70): VU037018.D (-624) (-)

Ion 57.00 (56.70 to 57.70): VU037018.D (-624) (-)





#19

1,1-Dichloroethane

Concen: 52.921 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.01 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

Instrument :

MSVOA_U

ClientSampled :

BFB57

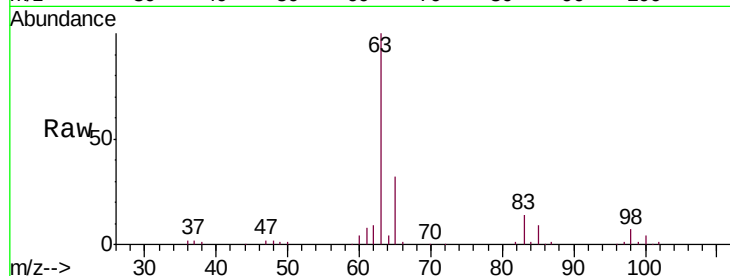
Tgt Ion: 63 Resp: 187767

Ion Ratio Lower Upper

63 100

65 32.0 21.3 39.5

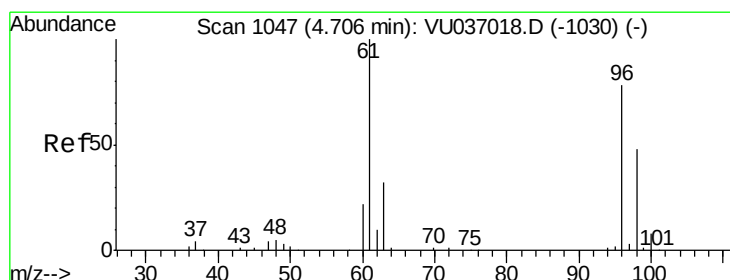
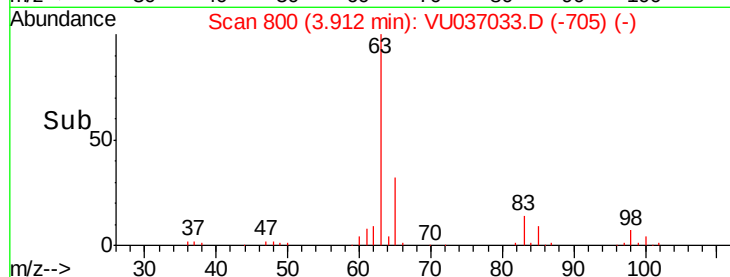
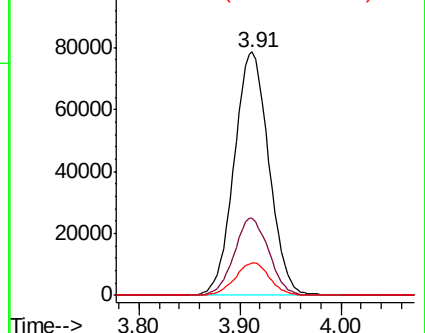
83 13.5 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU037018.D (-780) (-)

Ion 65.00 (64.70 to 65.70): VU037018.D (-780) (-)

Ion 83.00 (82.70 to 83.70): VU037018.D (-780) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.617 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

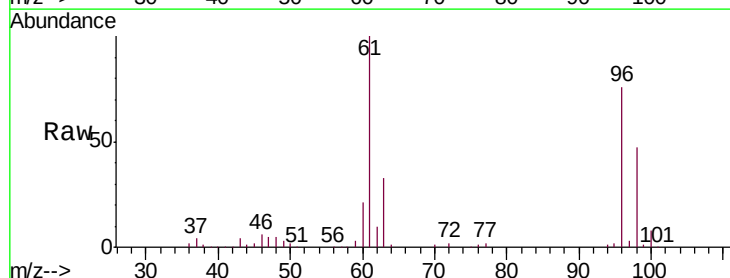
Tgt Ion: 96 Resp: 107431

Ion Ratio Lower Upper

96 100

61 131.3 93.1 172.9

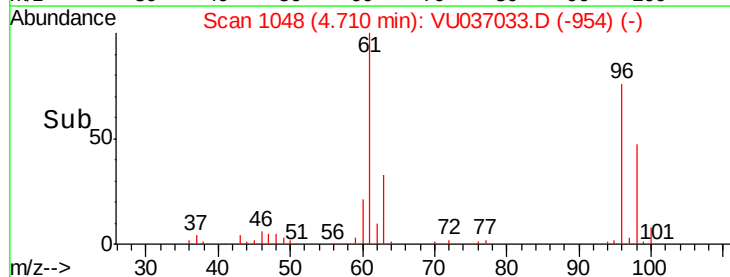
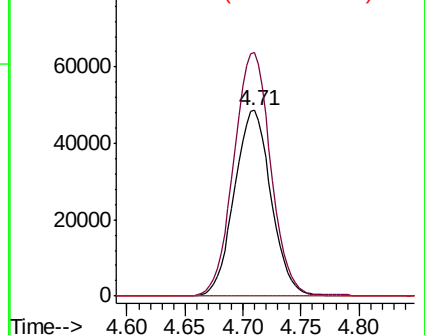
68 0.0 0.0 0.0

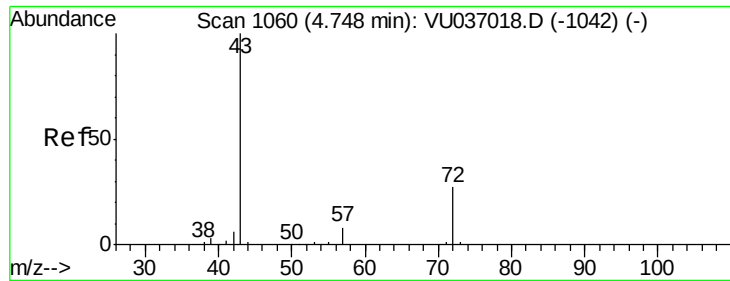


Abundance Ion 96.00 (95.70 to 96.70): VU037018.D (-1030) (-)

Ion 61.00 (60.70 to 61.70): VU037018.D (-1030) (-)

Ion 68.00 (67.70 to 68.70): VU037018.D (-1030) (-)





#22

2-Butanone

Concen: 113.820 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

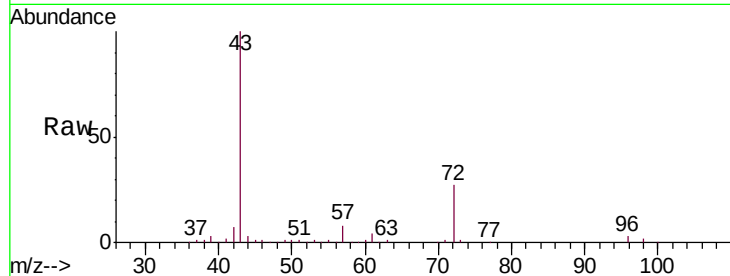
BFB57

Tgt Ion: 43 Resp: 209286

Ion Ratio Lower Upper

43 100

72 27.9 13.9 41.6



Abundance Ion 43.00 (42.70 to 43.70): VU037018.D (-1042) (-)

Ion 72.00 (71.70 to 72.70): VU037018.D (-1042) (-)

4.75

100000

80000

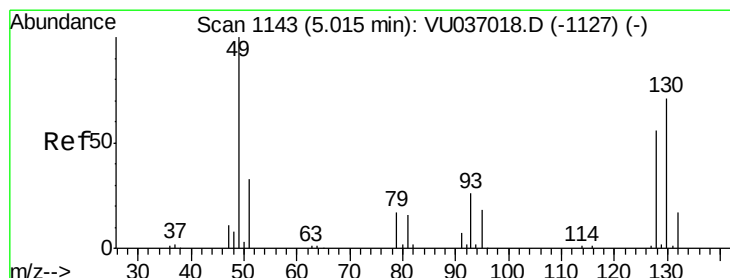
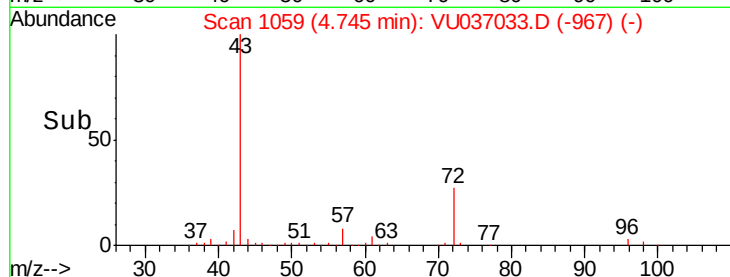
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 53.934 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

Tgt Ion: 128 Resp: 49870

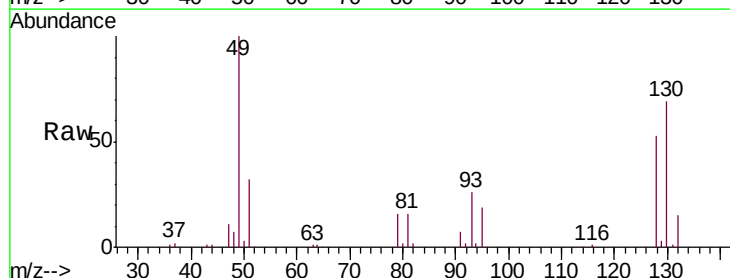
Ion Ratio Lower Upper

128 100

49 187.7 126.5 234.9

130 128.8 86.0 159.8

51 60.3 47.3 70.9



Abundance Ion 128.00 (127.70 to 128.70): VU037018.D (-1127) (-)

Ion 49.00 (48.70 to 49.70): VU037018.D (-1127) (-)

Ion 130.00 (129.70 to 130.70): VU037018.D (-1127) (-)

Ion 51.00 (50.70 to 51.70): VU037018.D (-1127) (-)

60000

50000

40000

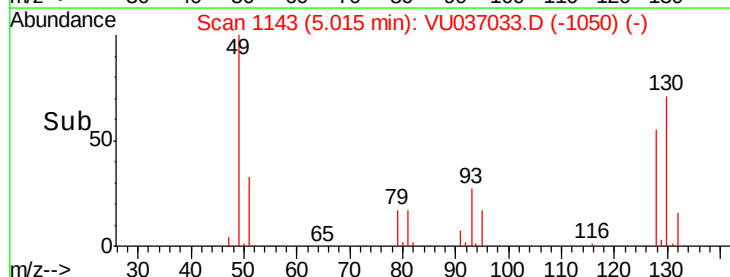
30000

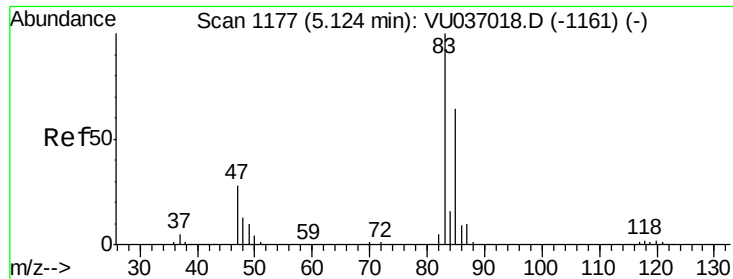
20000

10000

0

Time-->

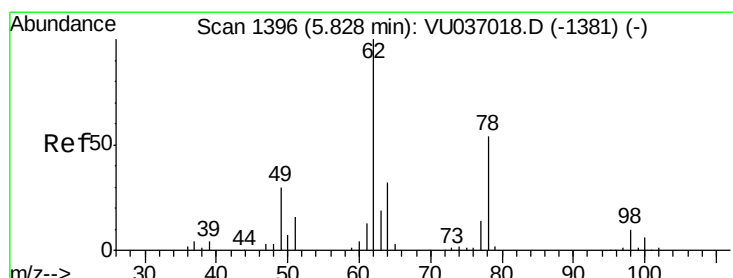
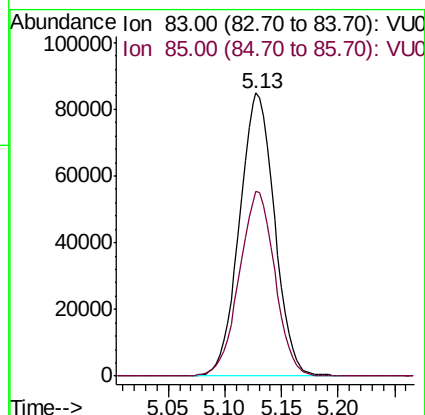
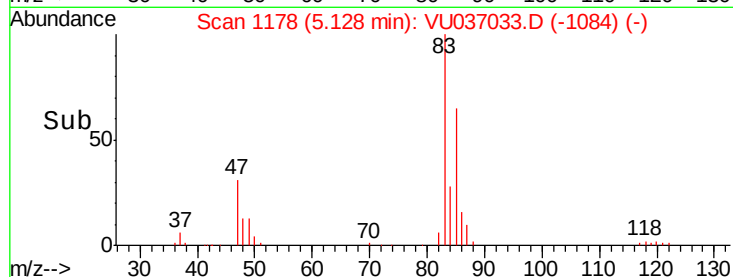
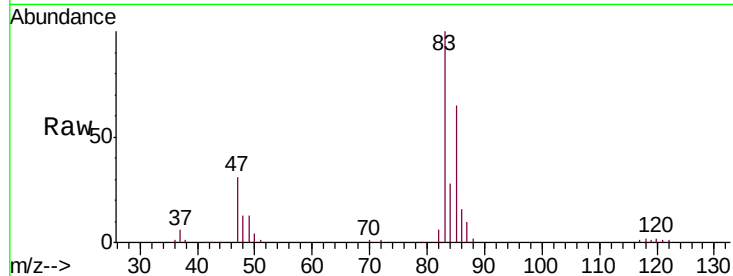




#25
Chloroform
Concen: 53.544 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037033.D
Acq: 04 Mar 2020 10:03

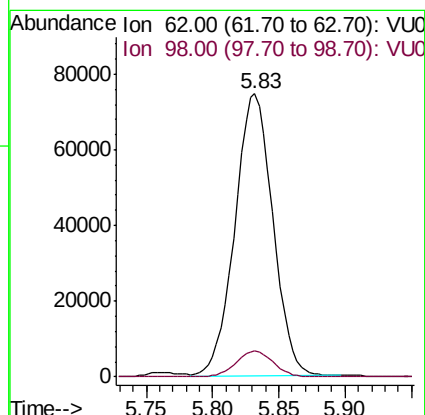
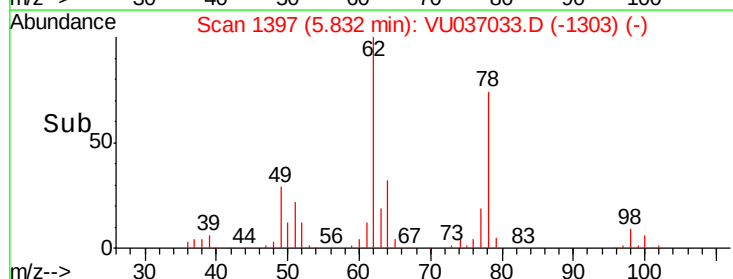
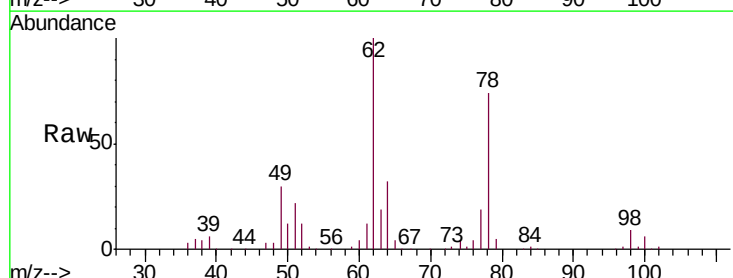
Instrument :
MSVOA_U
ClientSampleId :
BFB57

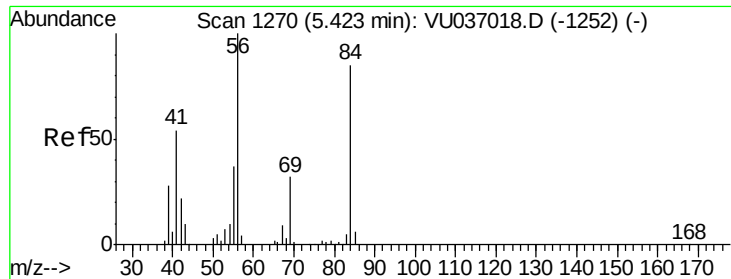
Tgt Ion: 83 Resp: 183303
Ion Ratio Lower Upper
83 100
85 65.1 45.1 83.9



#27
1,2-Dichloroethane
Concen: 53.312 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037033.D
Acq: 04 Mar 2020 10:03

Tgt Ion: 62 Resp: 148586
Ion Ratio Lower Upper
62 100
98 9.0 7.1 10.7

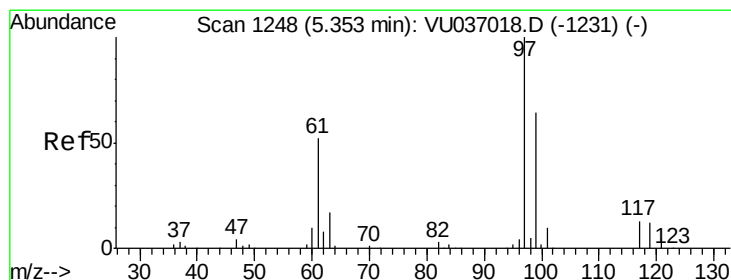
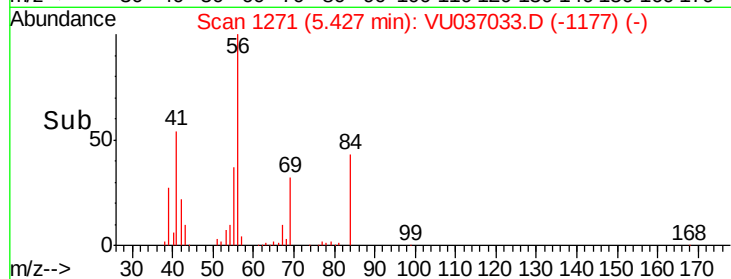
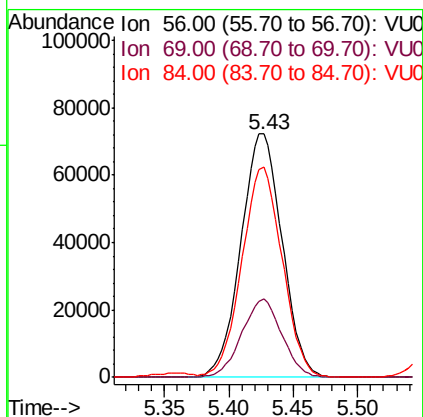
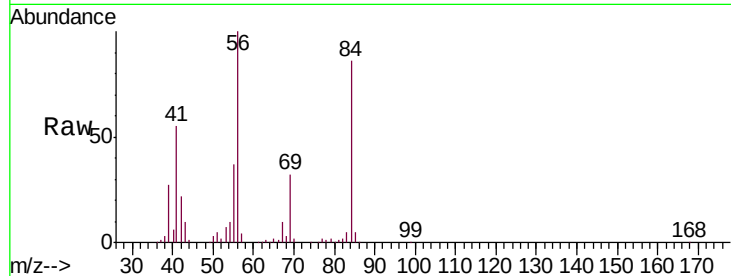




#29
Cyclohexane
Concen: 47.935 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU037033.D
Acq: 04 Mar 2020 10:03

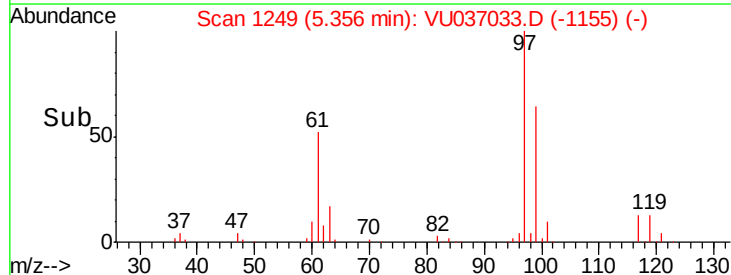
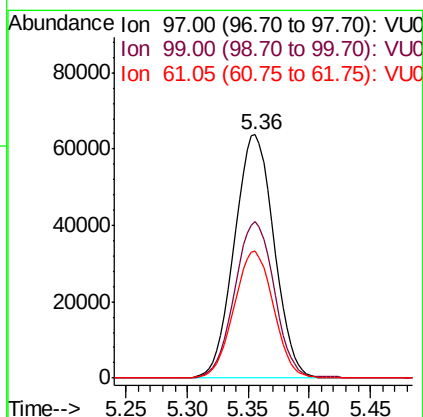
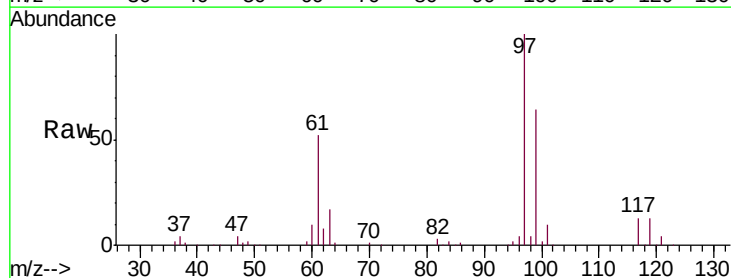
Instrument :
MSVOA_U
ClientSampleId :
BFB57

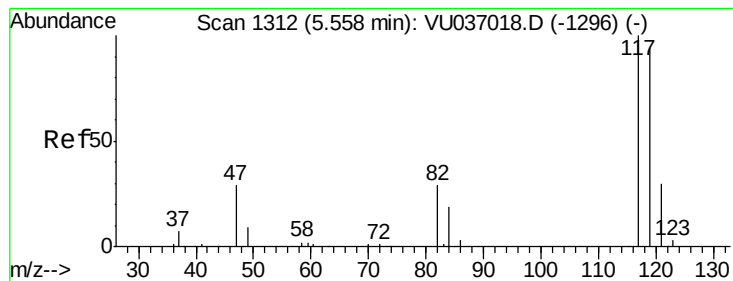
Tgt Ion: 56 Resp: 160731
Ion Ratio Lower Upper
56 100
69 31.3 24.6 37.0
84 85.0 67.0 100.4



#30
1,1,1-Trichloroethane
Concen: 53.082 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037033.D
Acq: 04 Mar 2020 10:03

Tgt Ion: 97 Resp: 143805
Ion Ratio Lower Upper
97 100
99 64.1 50.4 75.6
61 51.9 40.3 60.5





#31

Carbon tetrachloride

Concen: 54.134 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

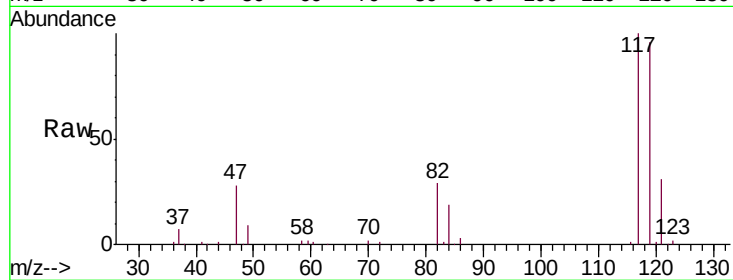
BFB57

Tgt Ion:117 Resp: 114950

Ion Ratio Lower Upper

117 100

119 94.4 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.56

60000

50000

40000

30000

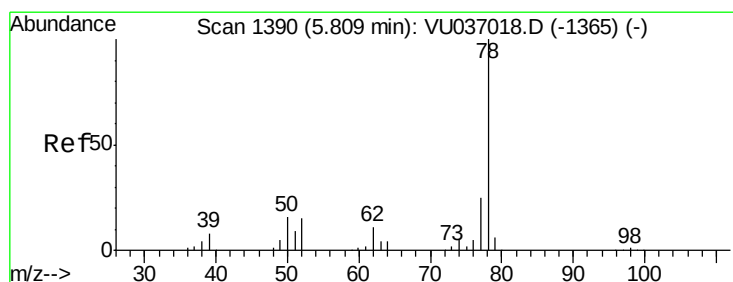
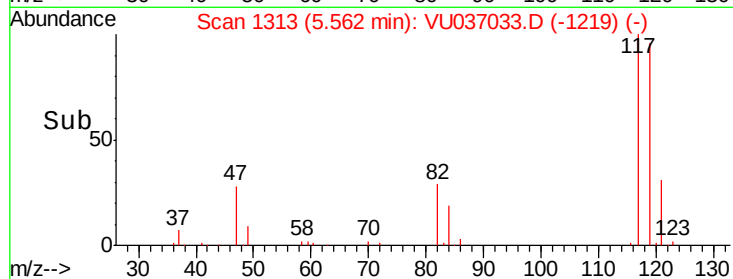
20000

10000

0

Time-->

5.50 5.55 5.60 5.65



#33

Benzene

Concen: 52.405 ug/L

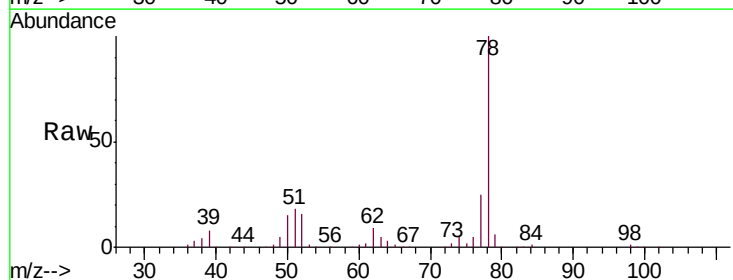
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

Tgt Ion: 78 Resp: 418324



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.81

200000

150000

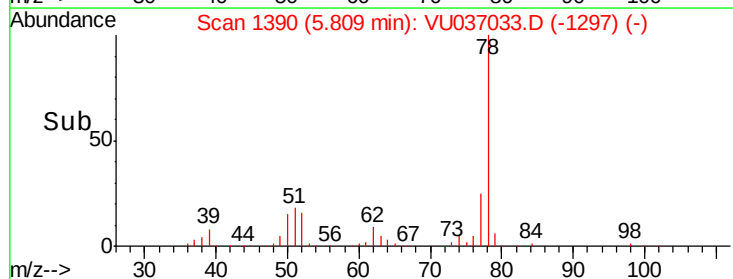
100000

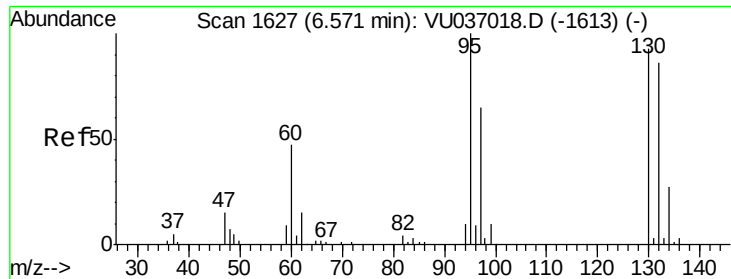
50000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 51.907 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

BFB57

Tgt Ion: 95 Resp: 101840

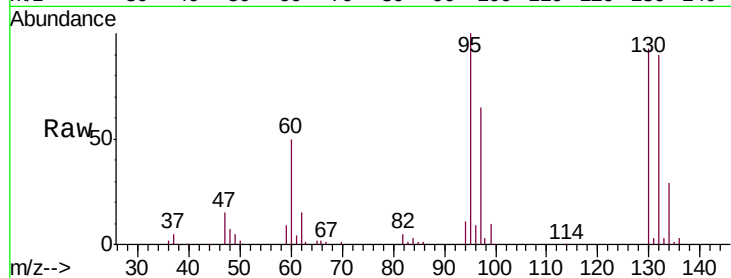
Ion Ratio Lower Upper

95 100

97 64.7 44.1 81.9

132 89.6 60.6 112.6

130 92.8 64.9 120.5



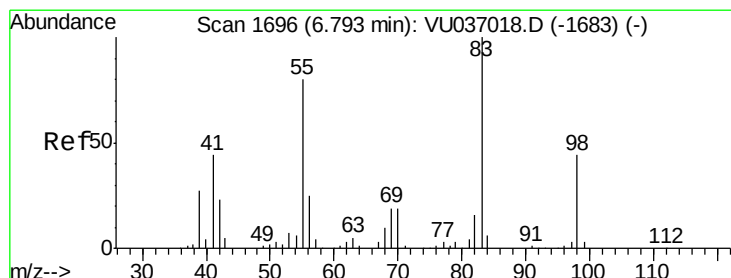
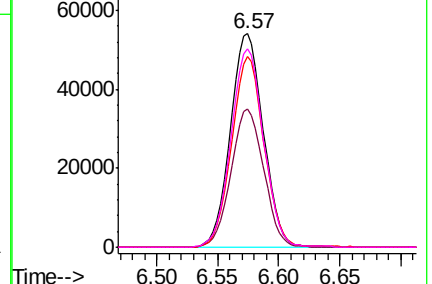
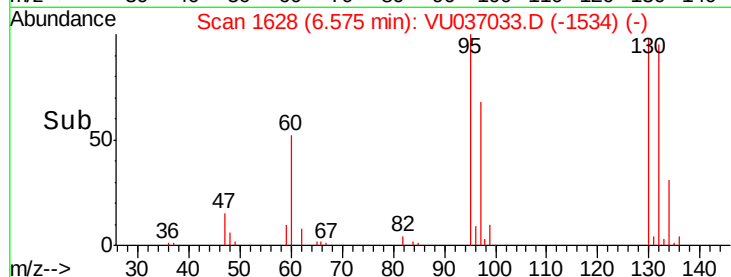
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 50.265 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

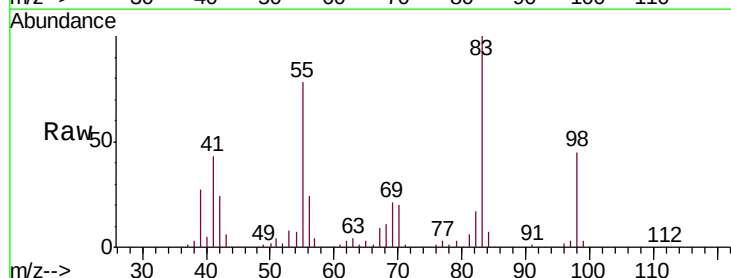
Tgt Ion: 83 Resp: 170987

Ion Ratio Lower Upper

83 100

55 76.9 62.6 93.8

98 43.7 35.1 52.7

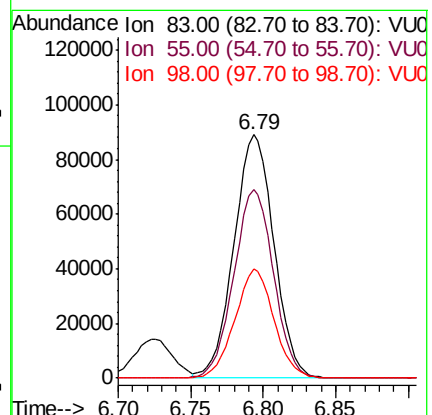
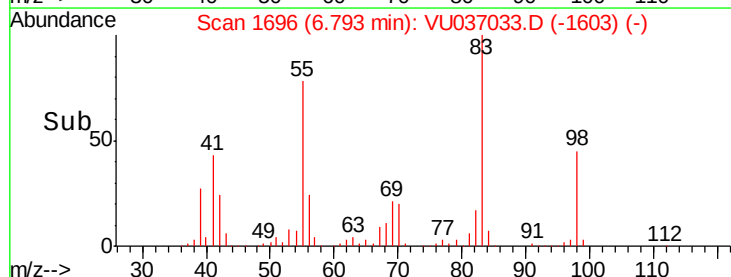


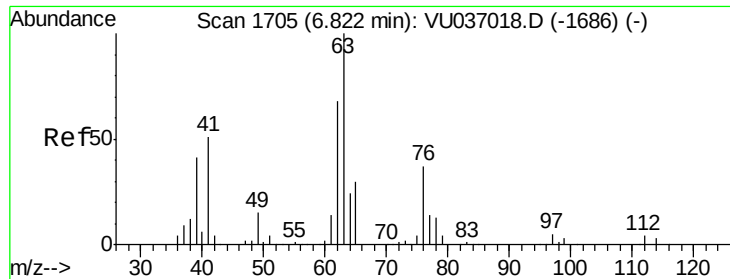
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

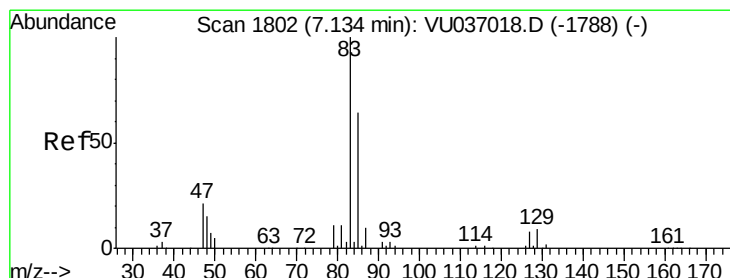
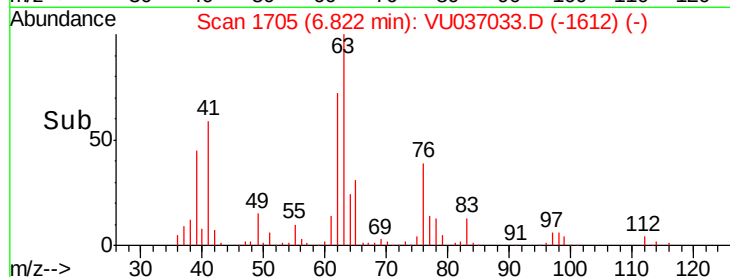
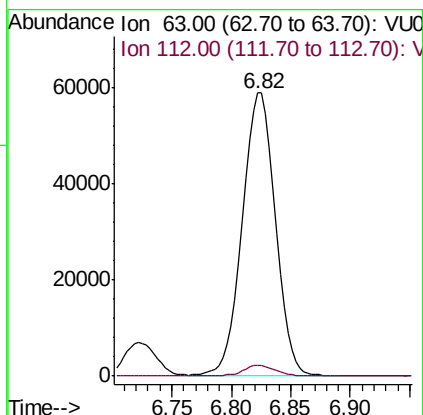
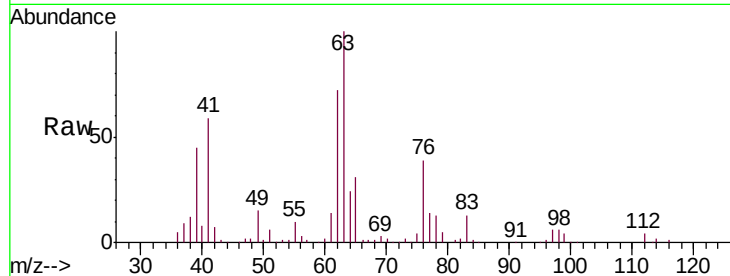




#37
 1,2-Dichloropropane
 Concen: 52.648 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037033.D
 Acq: 04 Mar 2020 10:03

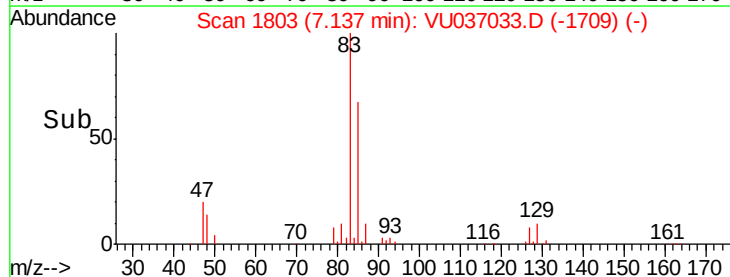
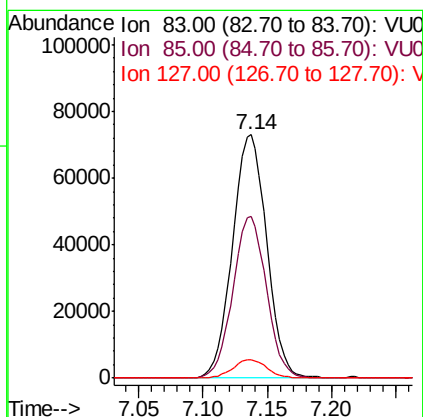
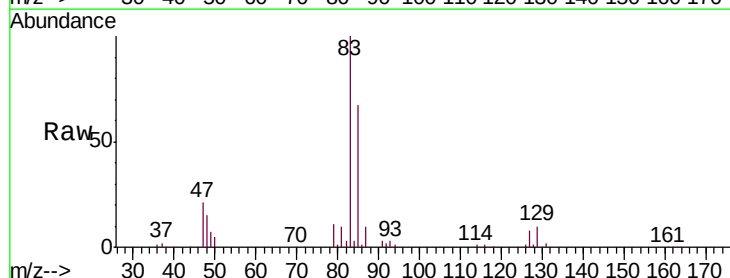
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB57

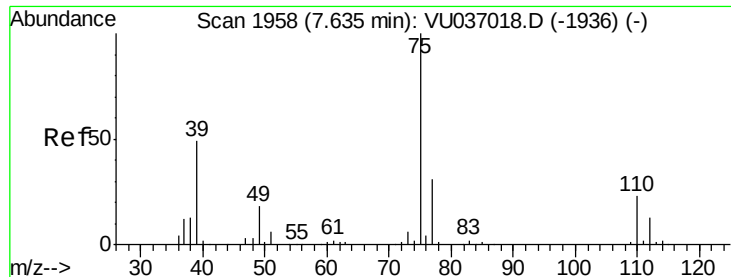
Tgt Ion: 63 Resp: 113158
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.6



#38
 Bromodichloromethane
 Concen: 53.174 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU037033.D
 Acq: 04 Mar 2020 10:03

Tgt Ion: 83 Resp: 134906
 Ion Ratio Lower Upper
 83 100
 85 66.5 43.6 81.0
 127 7.6 6.0 9.0

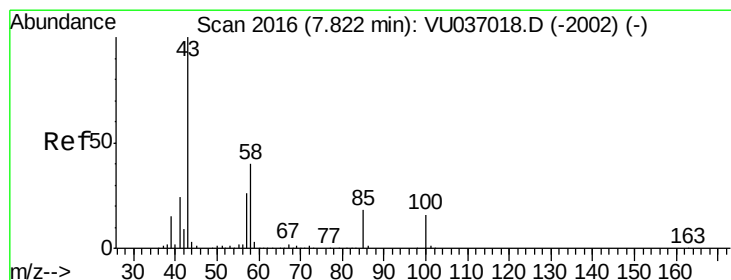
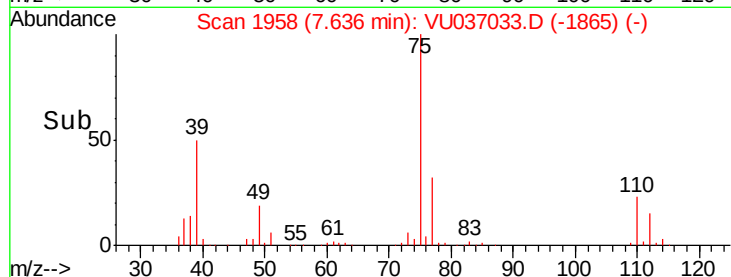
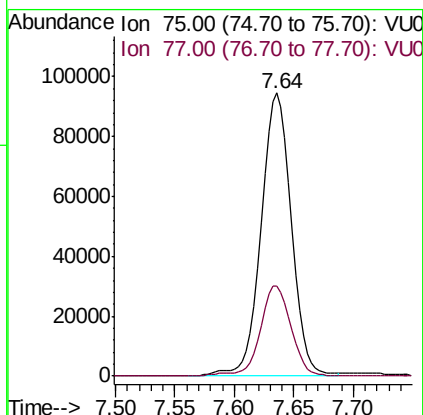
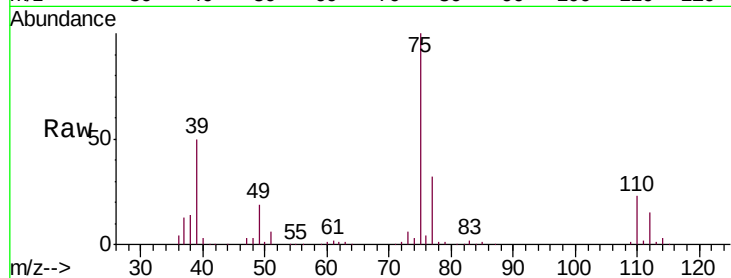




#39
 cis-1,3-Dichloropropene
 Concen: 50.394 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037033.D
 Acq: 04 Mar 2020 10:03

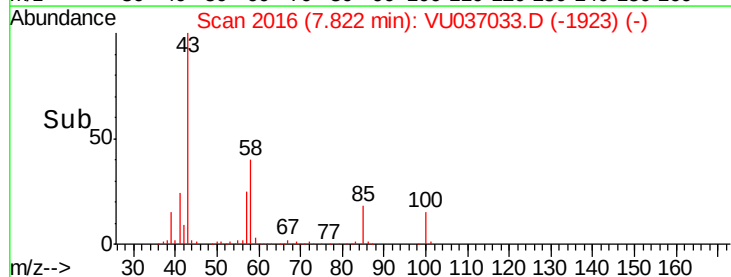
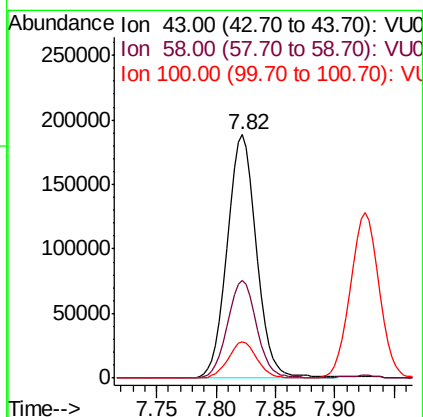
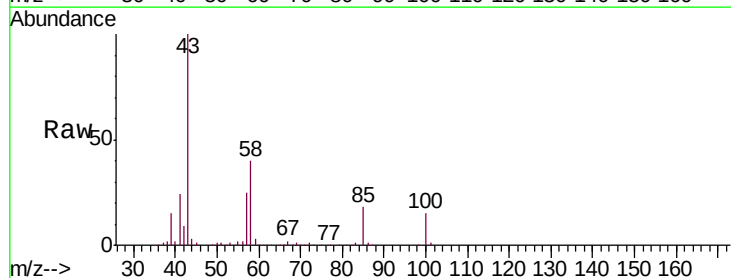
Instrument :
 MSVOA_U
 ClientSampled :
 BFB57

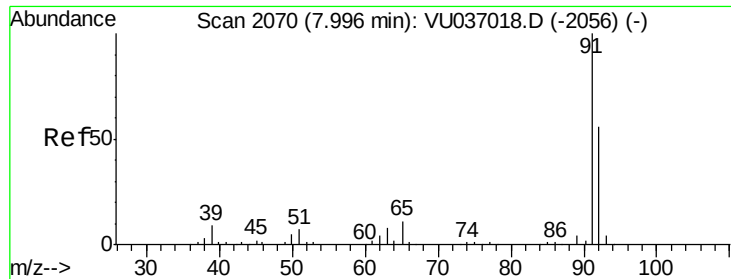
Tgt Ion: 75 Resp: 166848
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 101.741 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU037033.D
 Acq: 04 Mar 2020 10:03

Tgt Ion: 43 Resp: 322224
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.8 47.6
 100 14.6 11.5 17.3





#42

Toluene

Concen: 52.579 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

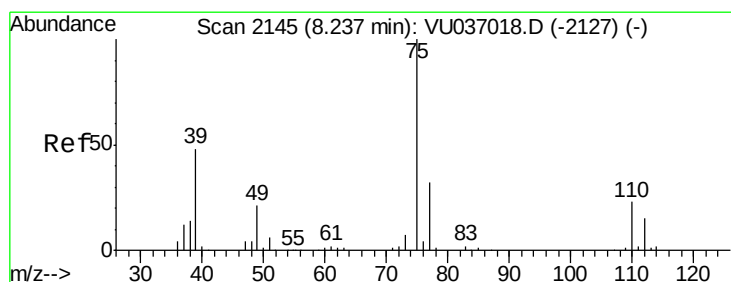
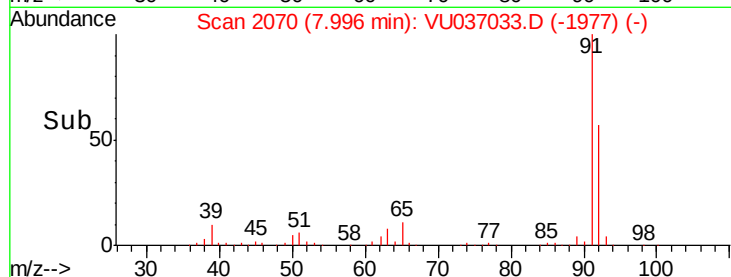
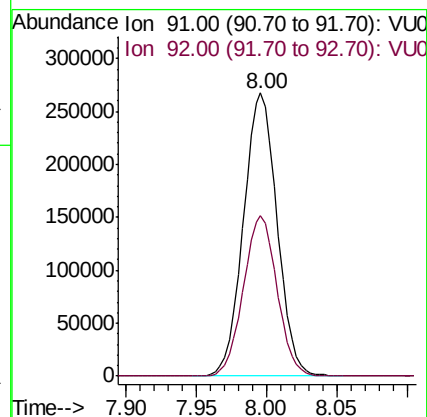
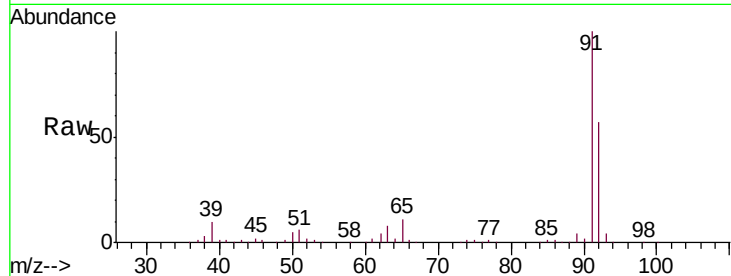
BFB57

Tgt Ion: 91 Resp: 447155

Ion Ratio Lower Upper

91 100

92 56.8 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 51.701 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037033.D

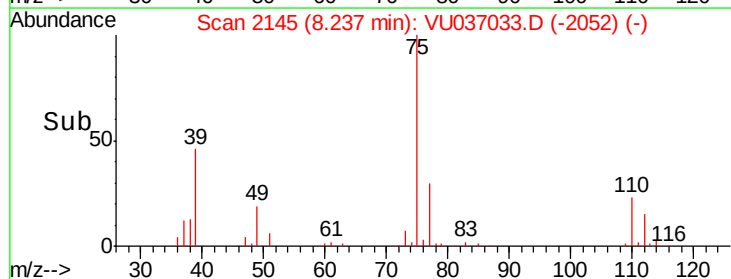
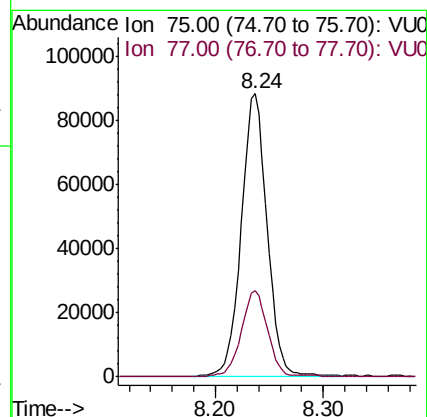
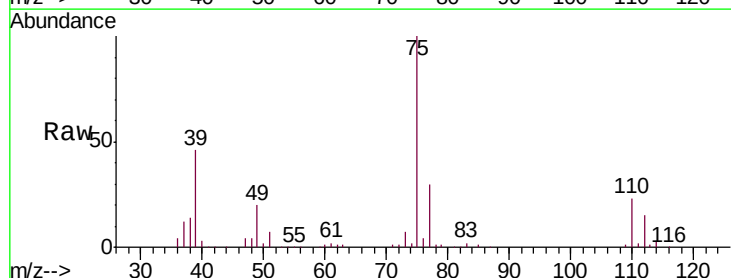
Acq: 04 Mar 2020 10:03

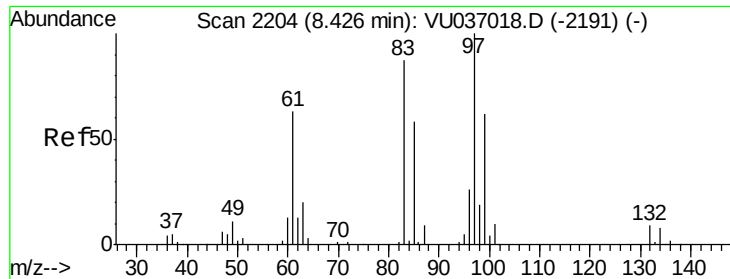
Tgt Ion: 75 Resp: 148491

Ion Ratio Lower Upper

75 100

77 30.4 21.6 40.2

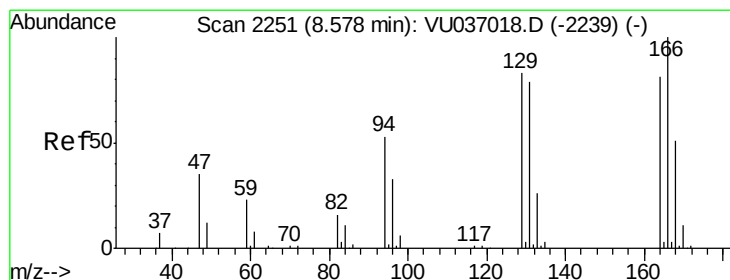
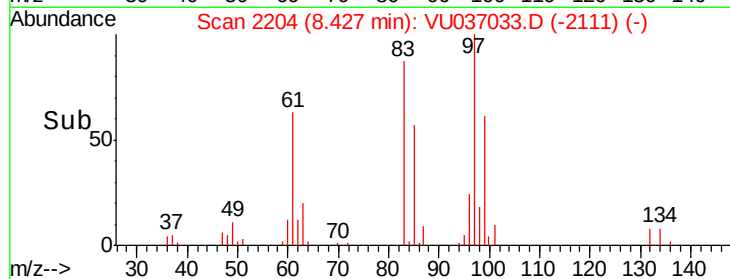
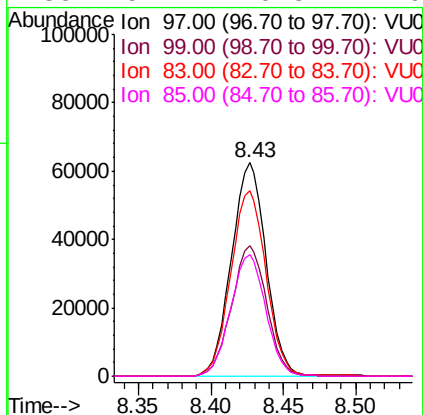
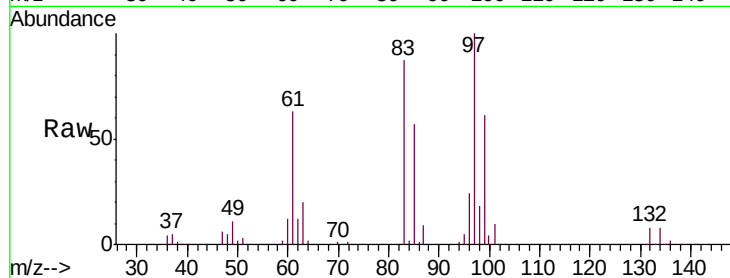




#45
 1,1,2-Trichloroethane
 Concen: 54.402 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037033.D
 Acq: 04 Mar 2020 10:03

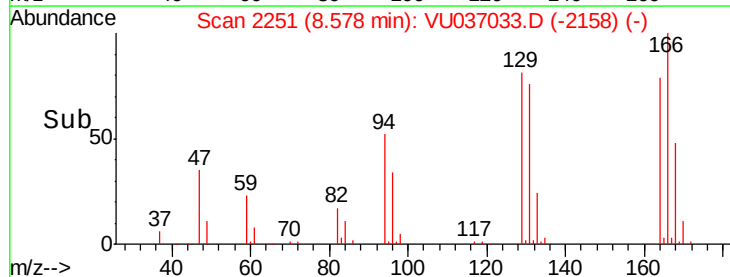
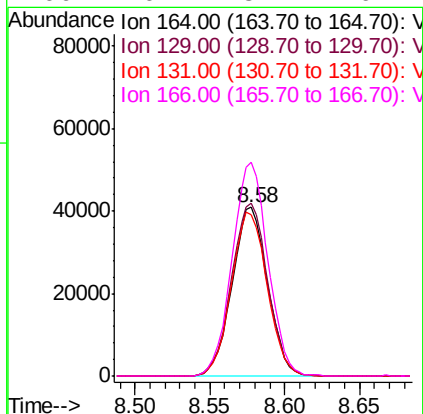
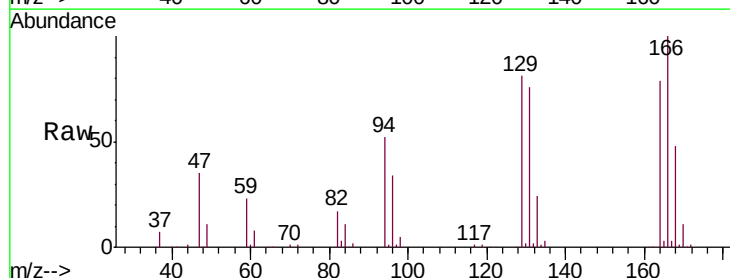
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB57

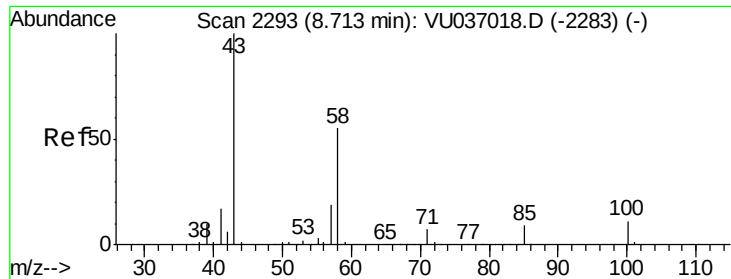
Tgt Ion:	97	Resp:	103980
Ion	Ratio	Lower	Upper
97	100		
99	61.1	43.6	81.0
83	86.7	62.7	116.5
85	57.1	40.3	74.9



#46
 Tetrachloroethene
 Concen: 52.410 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU037033.D
 Acq: 04 Mar 2020 10:03

Tgt Ion:	164	Resp:	67740
Ion	Ratio	Lower	Upper
164	100		
129	102.3	72.0	133.8
131	96.0	67.9	126.1
166	126.7	87.1	161.7

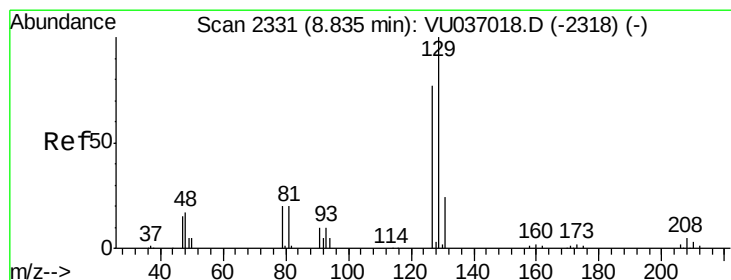
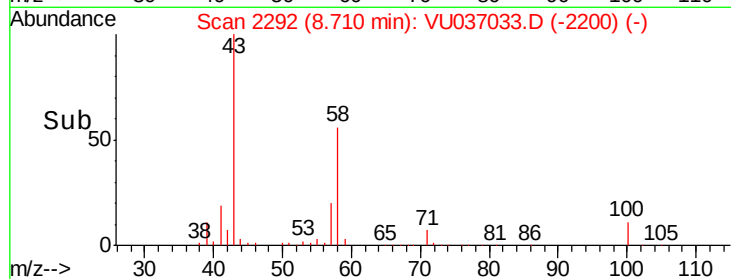
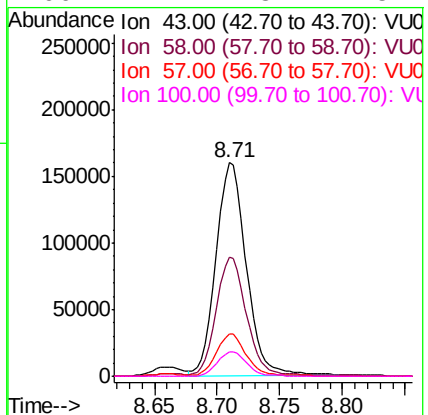
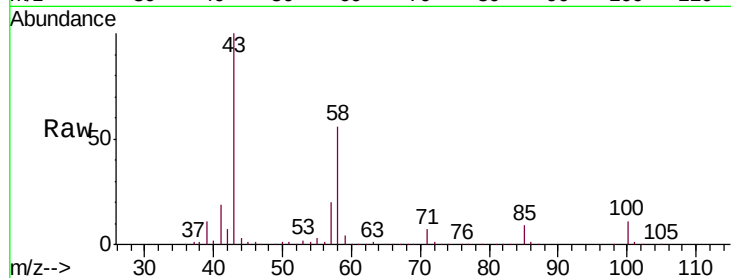




#48
2-Hexanone
Concen: 105.390 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU037033.D
Acq: 04 Mar 2020 10:03

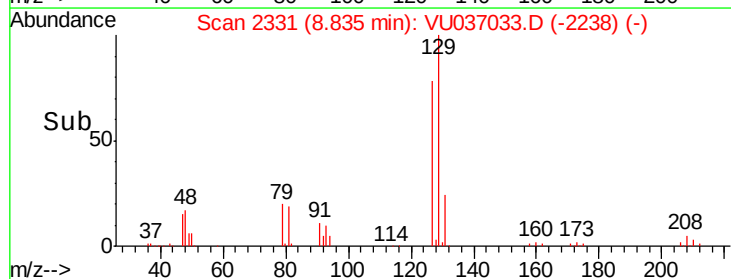
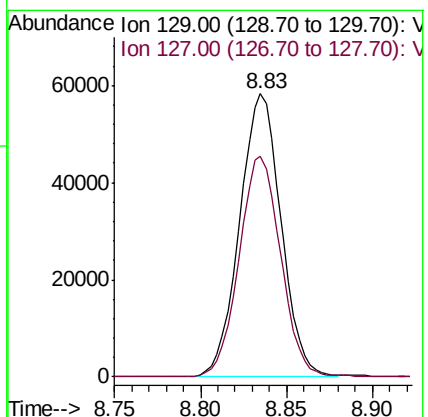
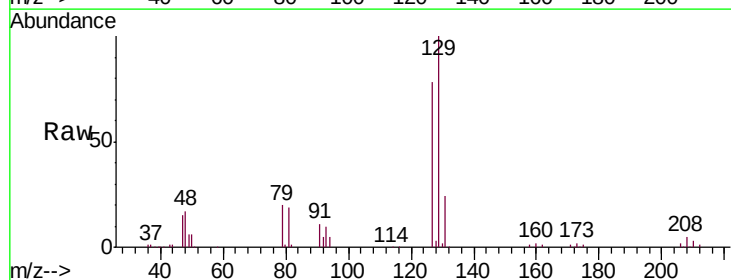
Instrument :
MSVOA_U
ClientSampled :
BFB57

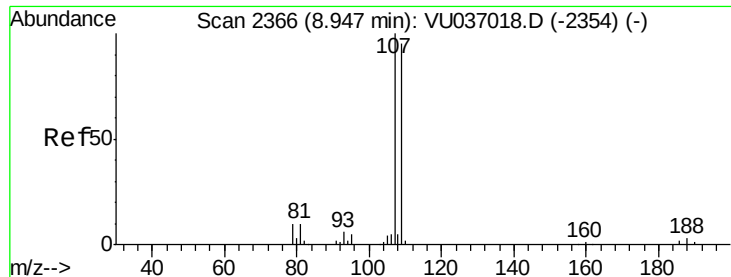
Tgt Ion:	43	Resp:	266357
Ion	Ratio	Lower	Upper
43	100		
58	55.7	43.5	65.3
57	19.1	15.1	22.7
100	11.4	8.7	13.1



#49
Dibromochloromethane
Concen: 53.894 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037033.D
Acq: 04 Mar 2020 10:03

Tgt Ion:	129	Resp:	97773
Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.3	100.8

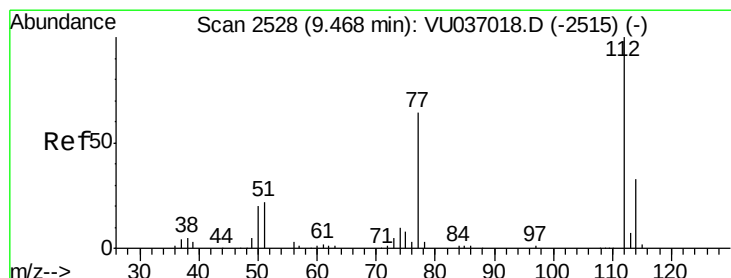
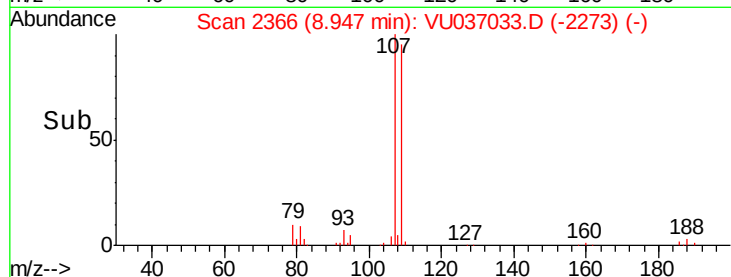
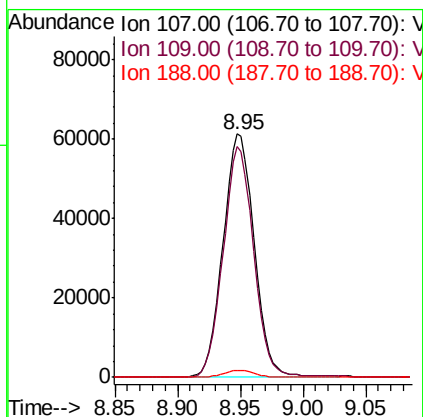
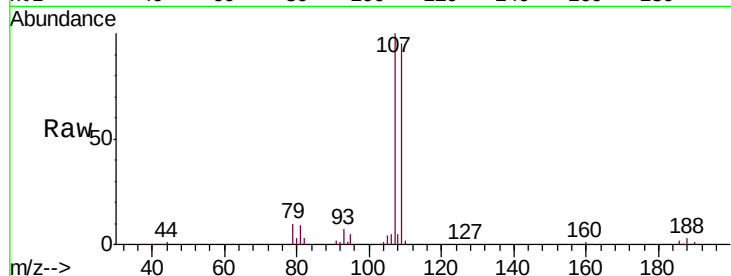




#50
1,2-Dibromoethane
Concen: 52.911 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037033.D
Acq: 04 Mar 2020 10:03

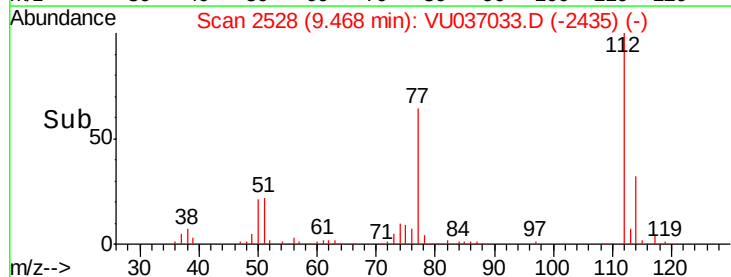
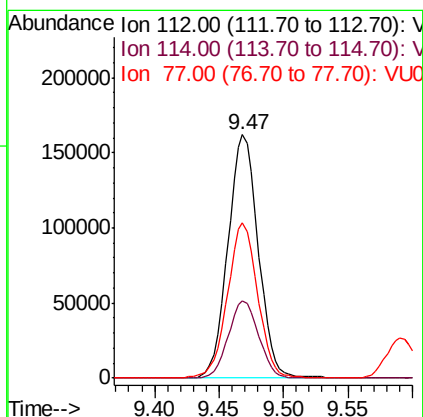
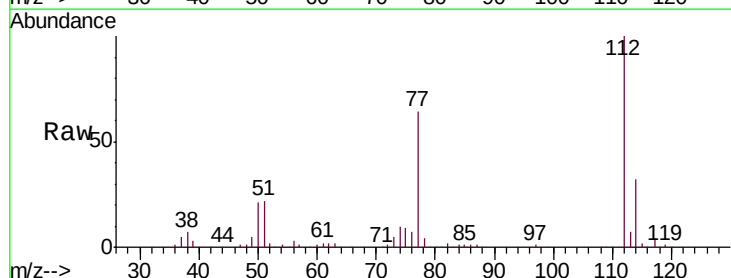
Instrument :
MSVOA_U
ClientSampleId :
BFB57

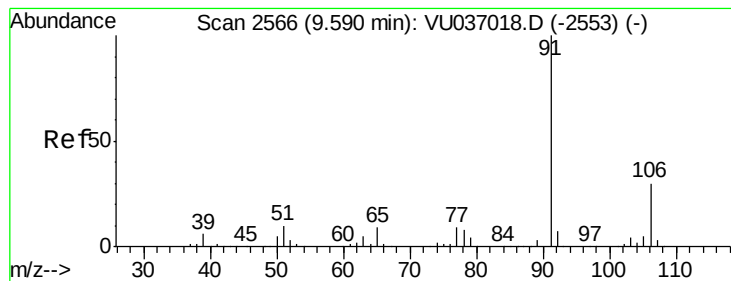
Tgt Ion:107 Resp: 105754
Ion Ratio Lower Upper
107 100
109 95.0 65.9 122.5
188 3.0 2.2 3.2



#51
Chlorobenzene
Concen: 52.450 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037033.D
Acq: 04 Mar 2020 10:03

Tgt Ion:112 Resp: 264302
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.5
77 63.5 50.1 75.1





#52

Ethylbenzene

Concen: 51.755 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

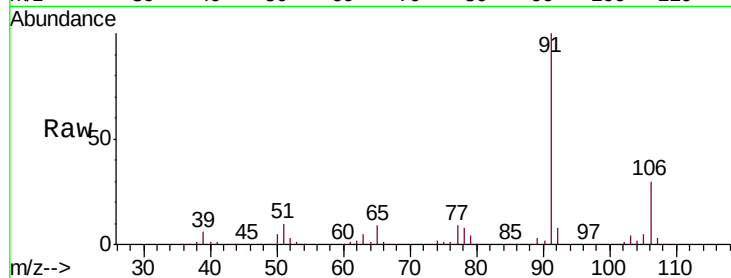
BFB57

Tgt Ion: 91 Resp: 477151

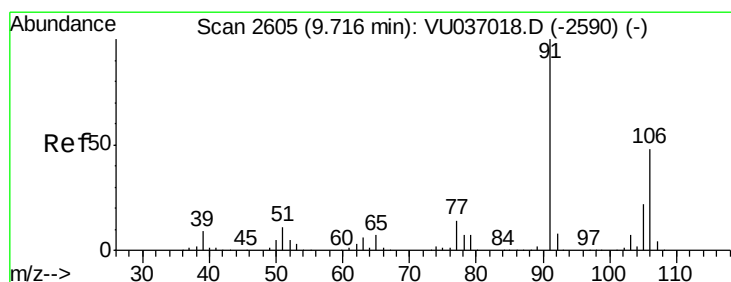
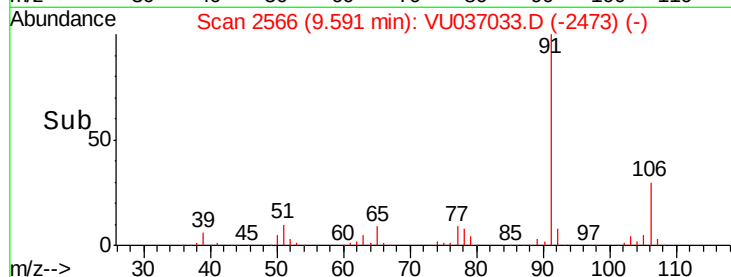
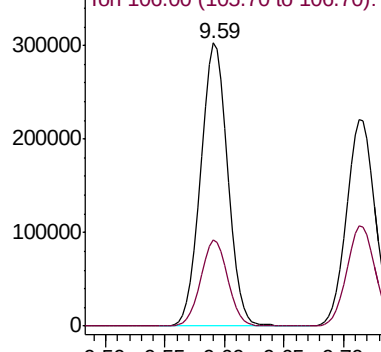
Ion Ratio Lower Upper

91 100

106 30.4 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU037018.D (-2553) (-)



#53

m,p-Xylene

Concen: 53.059 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037033.D

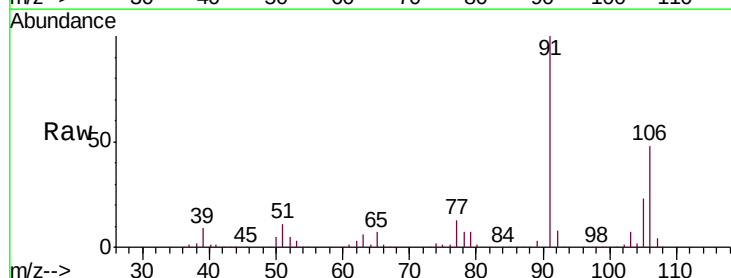
Acq: 04 Mar 2020 10:03

Tgt Ion: 106 Resp: 179436

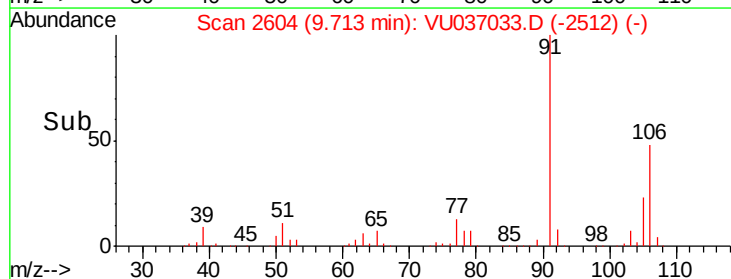
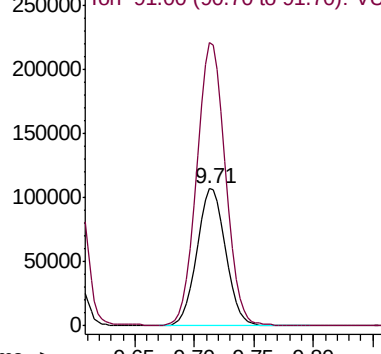
Ion Ratio Lower Upper

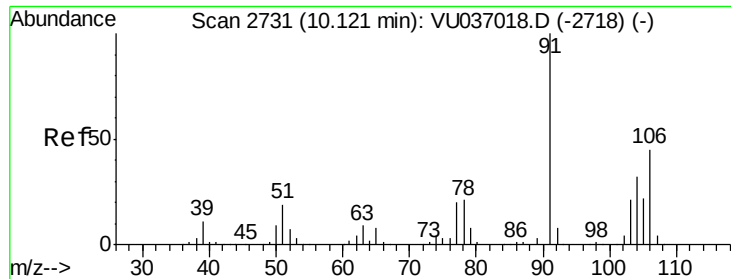
106 100

91 206.8 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VU037018.D (-2590) (-)





#54

o-xylene

Concen: 51.679 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

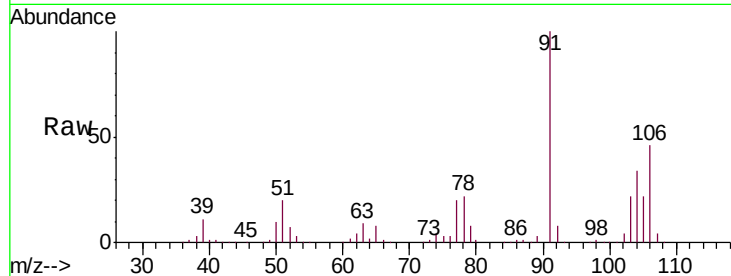
BFB57

Tgt Ion:106 Resp: 174311

Ion Ratio Lower Upper

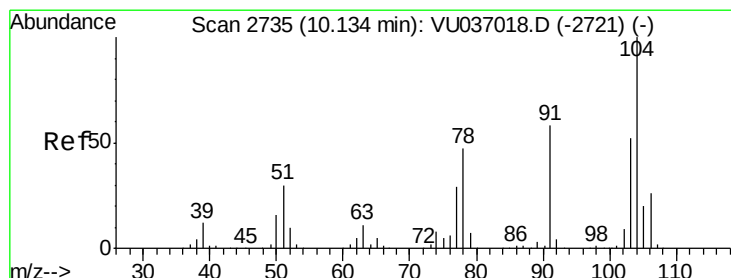
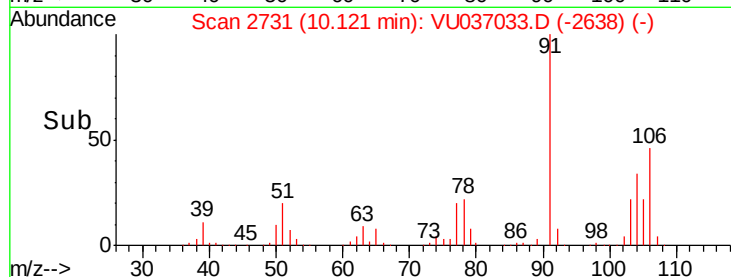
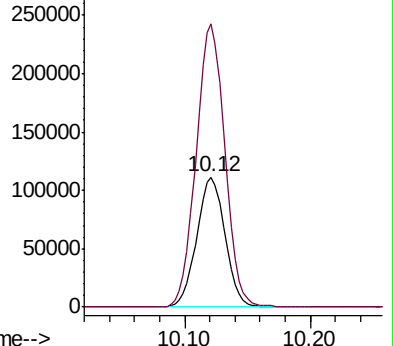
106 100

91 217.9 154.2 286.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.958 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU037033.D

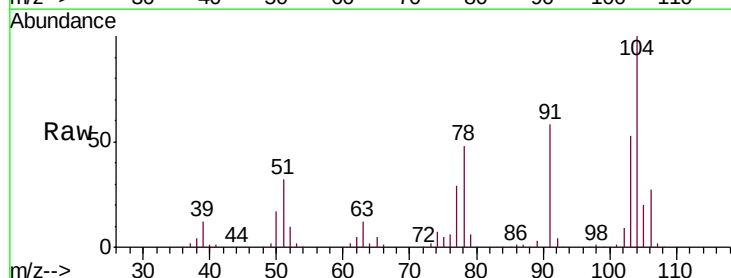
Acq: 04 Mar 2020 10:03

Tgt Ion:104 Resp: 291998

Ion Ratio Lower Upper

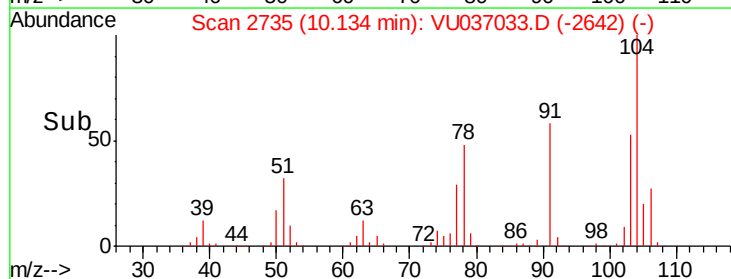
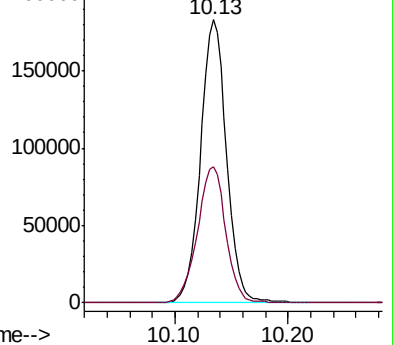
104 100

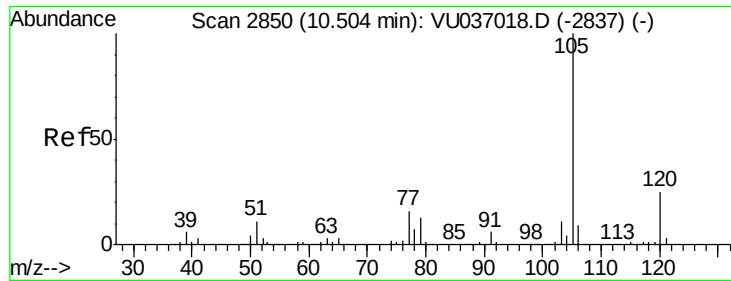
78 48.2 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.903 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

BFB57

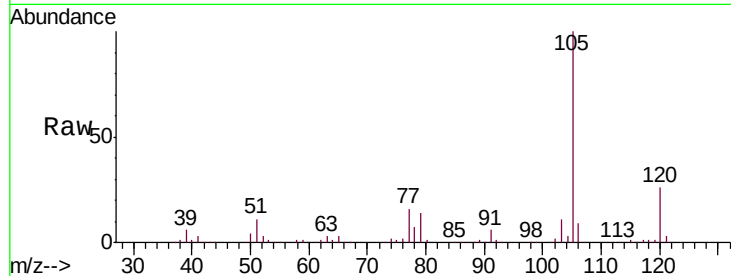
Tgt Ion: 105 Resp: 449647

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

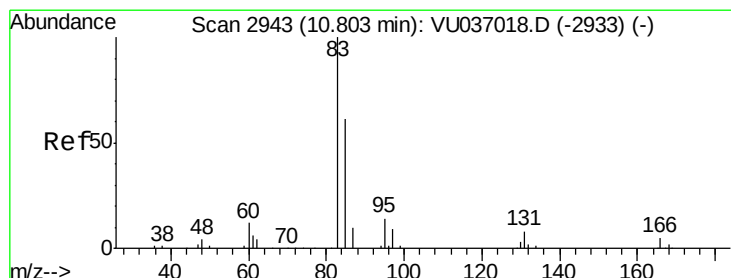
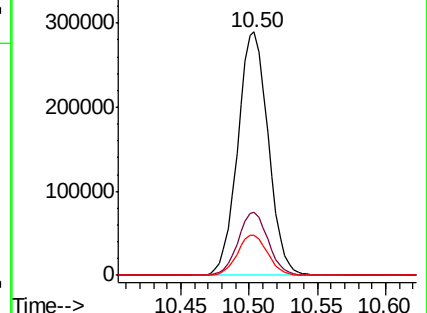
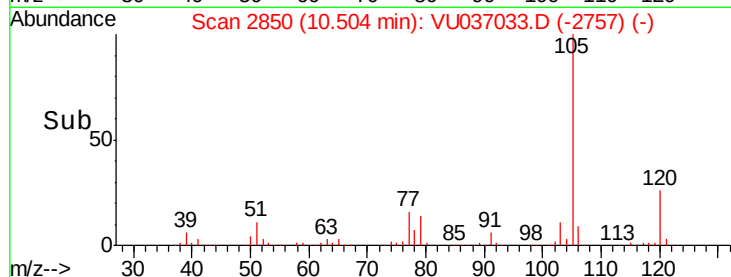
77 16.5 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 53.452 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

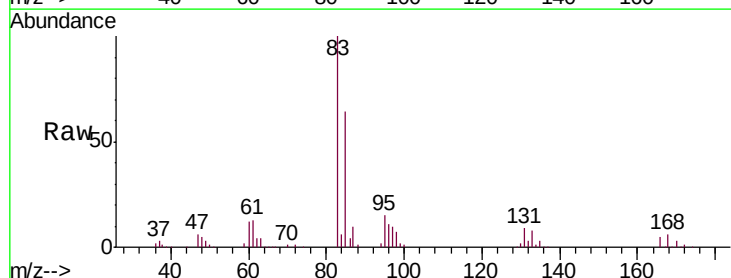
Tgt Ion: 83 Resp: 182648

Ion Ratio Lower Upper

83 100

85 63.6 45.5 84.5

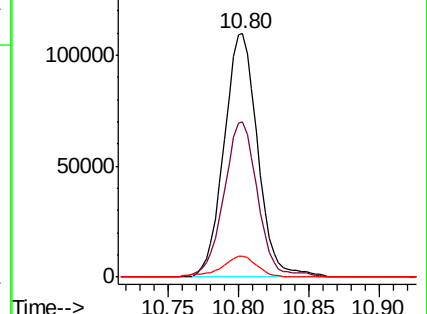
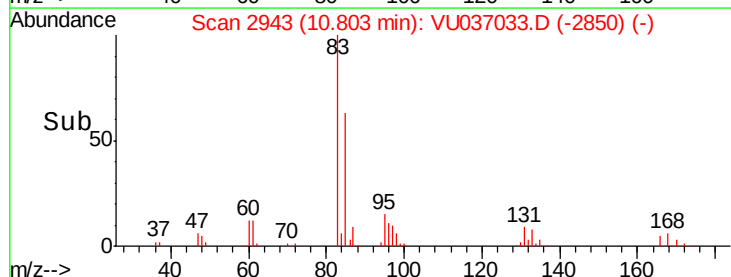
131 8.7 6.8 10.2

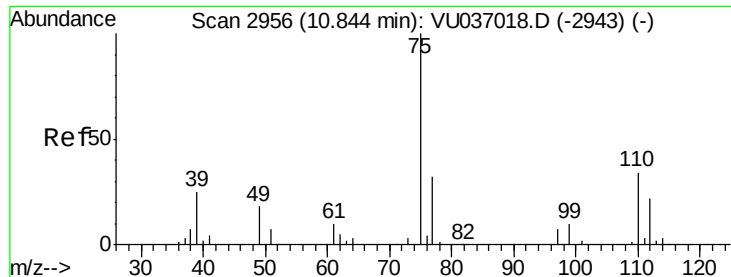


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.728 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

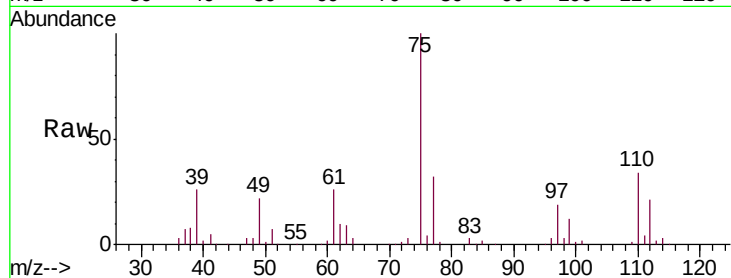
BFB57

Tgt Ion: 75 Resp: 145791

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU037018.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU037018.D (-2943) (-)

10.84

80000

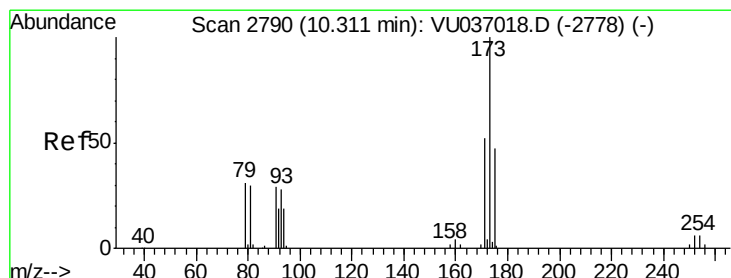
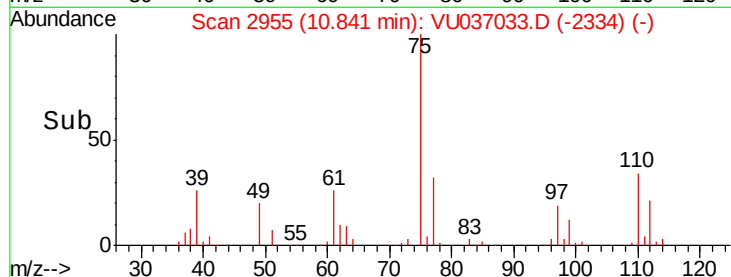
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 53.880 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

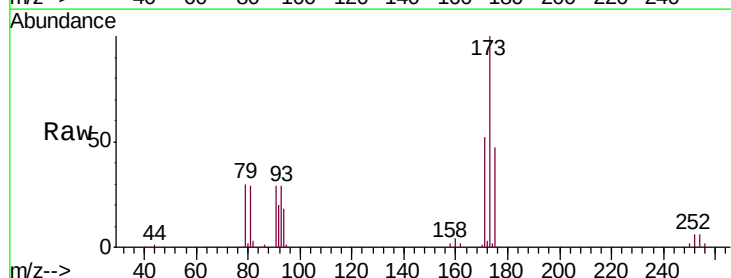
Tgt Ion: 173 Resp: 66299

Ion Ratio Lower Upper

173 100

175 48.1 39.0 58.6

254 6.0 4.6 6.8



Abundance Ion 173.00 (172.70 to 173.70): VU037018.D (-2778) (-)

Ion 175.00 (174.70 to 175.70): VU037018.D (-2778) (-)

Ion 254.00 (253.70 to 254.70): VU037018.D (-2778) (-)

10.31

40000

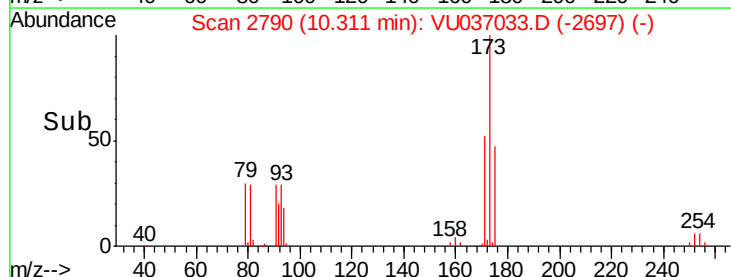
30000

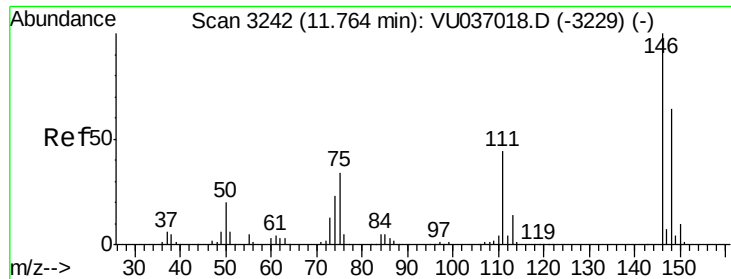
20000

10000

0

Time-->

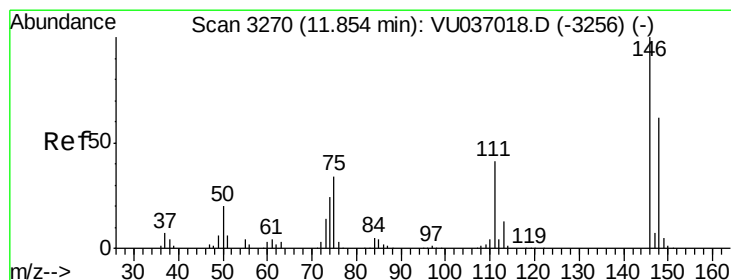
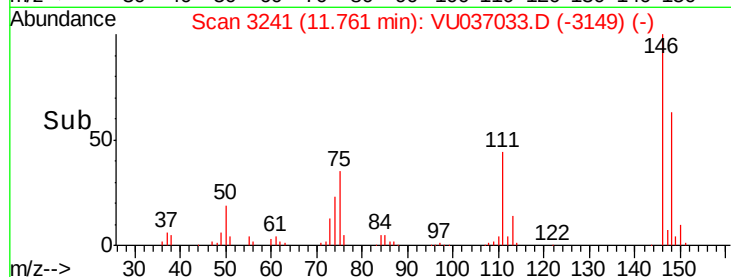
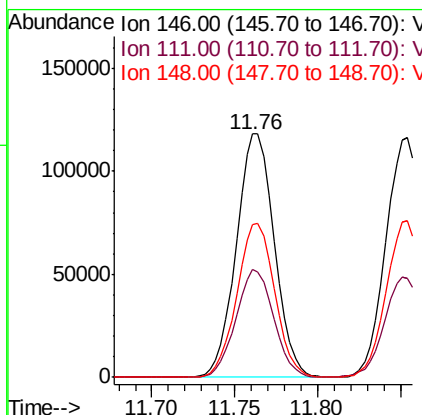
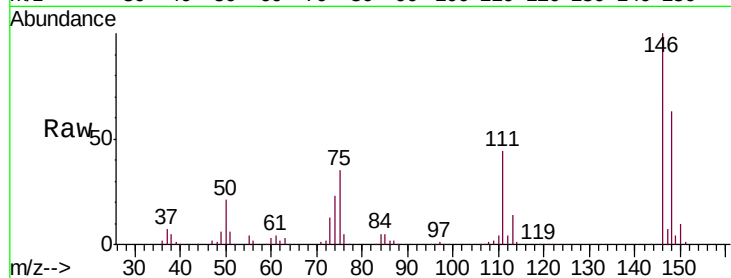




#62
 1,3-Dichlorobenzene
 Concen: 53.386 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037033.D
 Acq: 04 Mar 2020 10:03

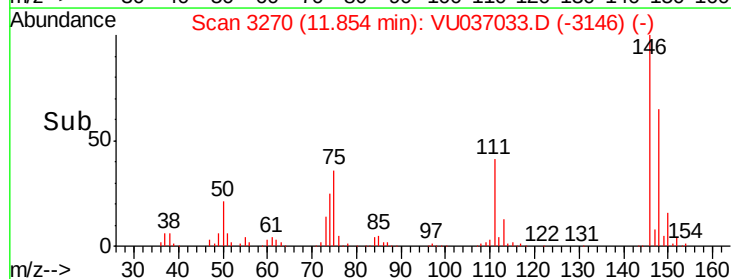
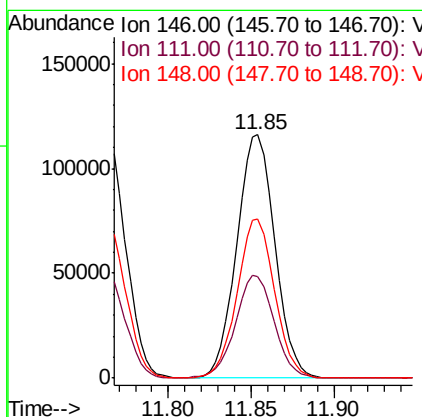
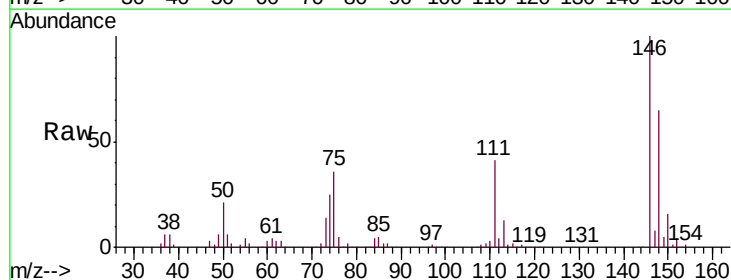
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB57

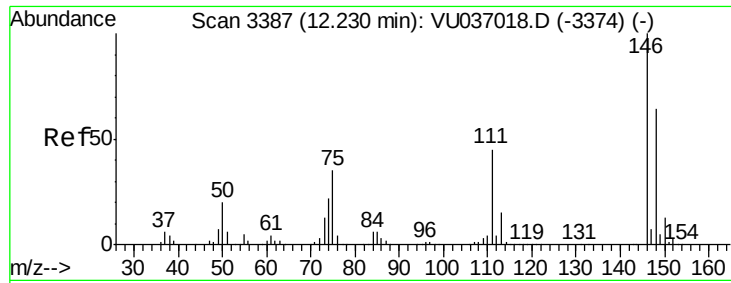
Tgt Ion:146 Resp: 188487
 Ion Ratio Lower Upper
 146 100
 111 44.1 30.7 56.9
 148 62.9 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 53.380 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037033.D
 Acq: 04 Mar 2020 10:03

Tgt Ion:146 Resp: 186200
 Ion Ratio Lower Upper
 146 100
 111 41.5 29.8 55.4
 148 65.2 45.1 83.9

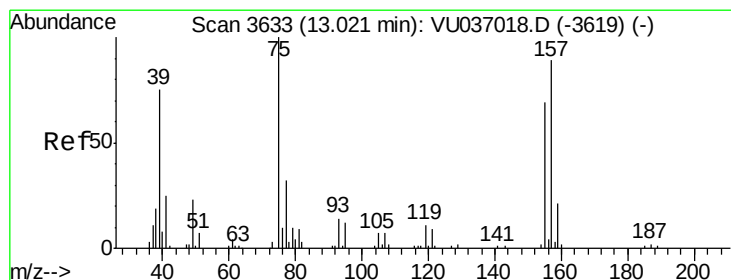
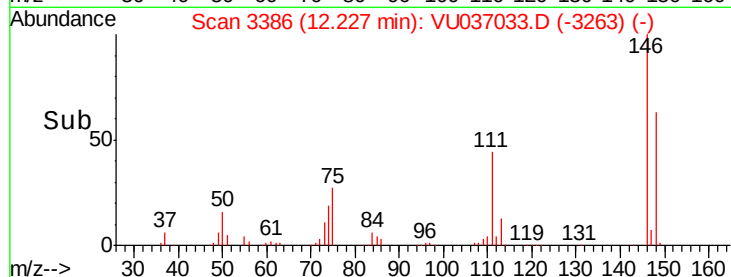
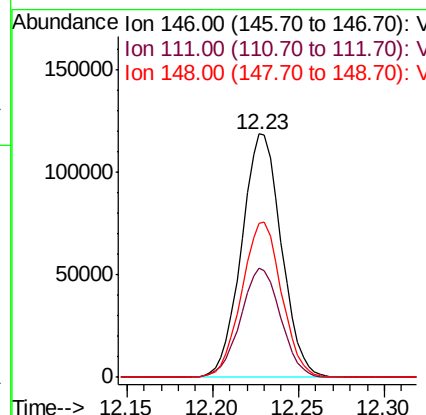
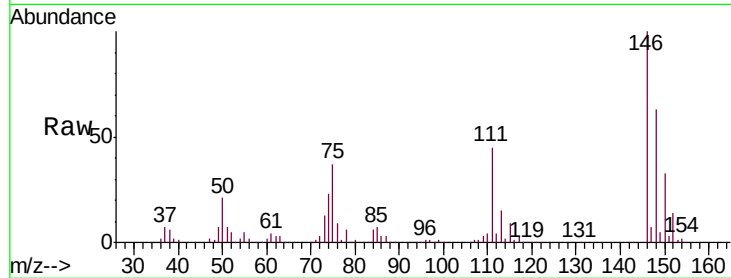




#65
 1,2-Dichlorobenzene
 Concen: 53.959 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037033.D
 Acq: 04 Mar 2020 10:03

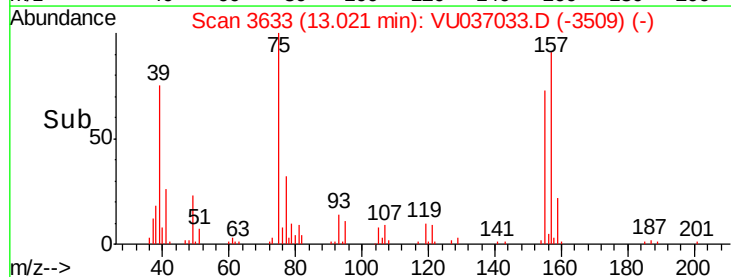
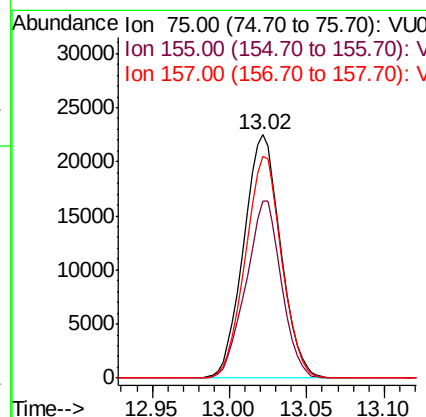
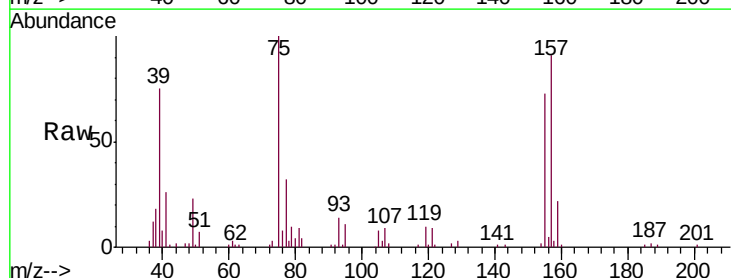
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB57

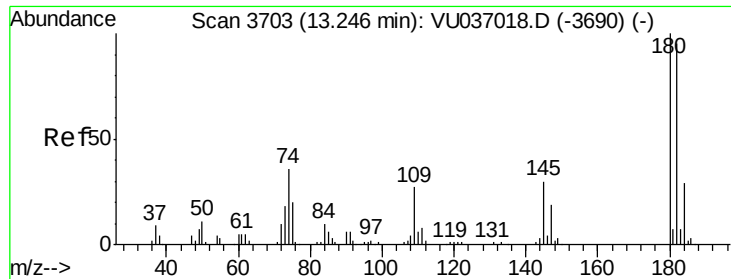
Tgt Ion: 146 Resp: 190218
 Ion Ratio Lower Upper
 146 100
 111 44.9 35.4 53.0
 148 63.4 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.450 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU037033.D
 Acq: 04 Mar 2020 10:03

Tgt Ion: 75 Resp: 37381
 Ion Ratio Lower Upper
 75 100
 155 72.9 55.7 83.5
 157 90.9 73.0 109.6

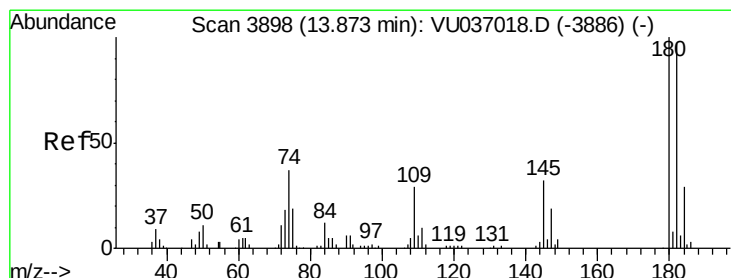
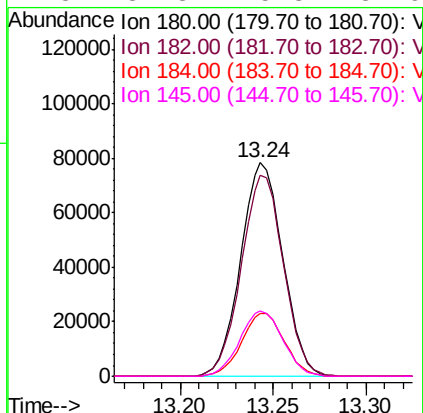
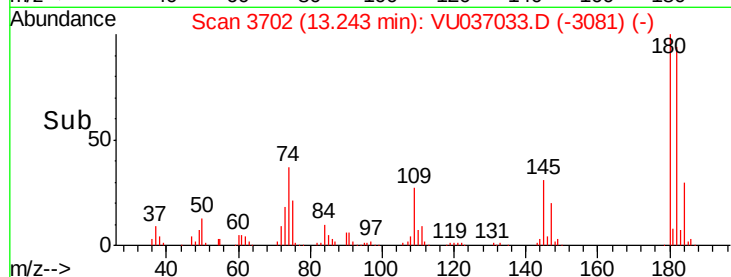
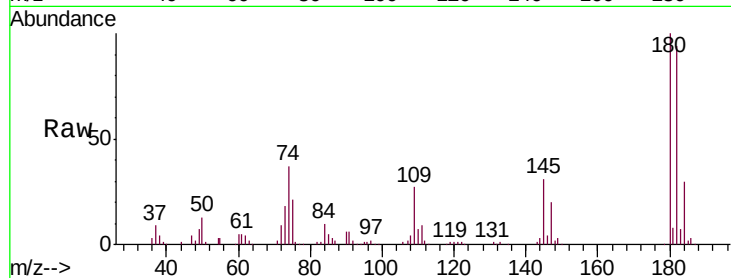




#67
 1,3,5-Trichlorobenzene
 Concen: 55.114 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU037033.D
 Acq: 04 Mar 2020 10:03

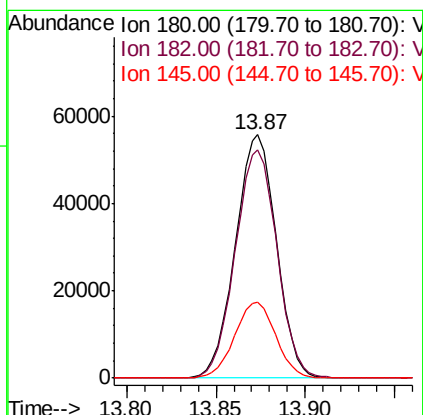
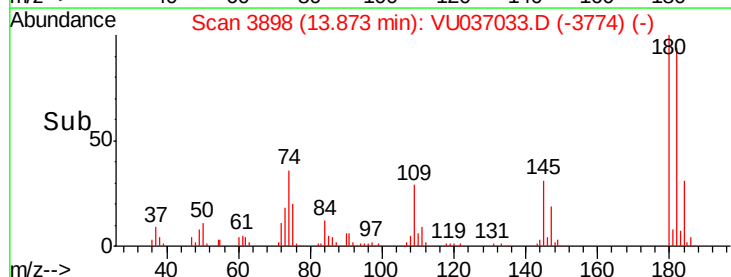
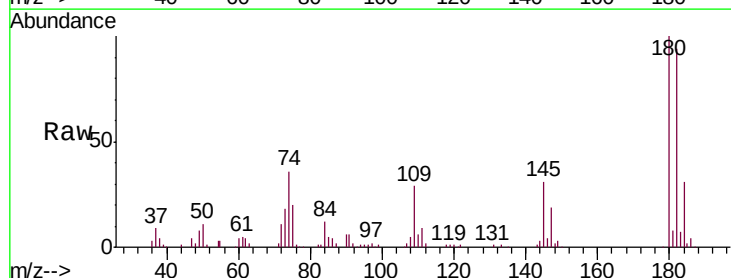
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB57

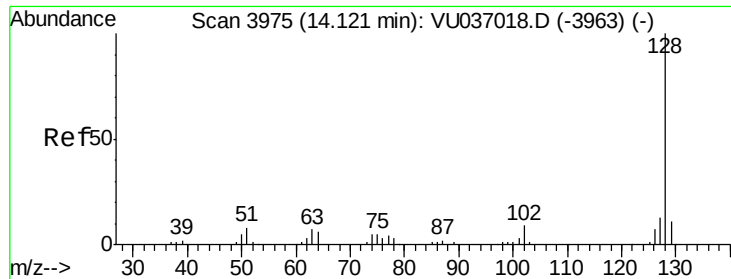
Tgt Ion:	180	Resp:	123512
Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.9	115.3
184	29.9	24.2	36.2
145	31.3	25.3	37.9



#68
 1,2,4-trichlorobenzene
 Concen: 53.060 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.00 min
 Lab File: VU037033.D
 Acq: 04 Mar 2020 10:03

Tgt Ion:	180	Resp:	89089
Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.3	112.9
145	31.2	26.2	39.4





#69

Naphthalene

Concen: 43.325 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

Instrument :

MSVOA_U

ClientSampled :

BFB57

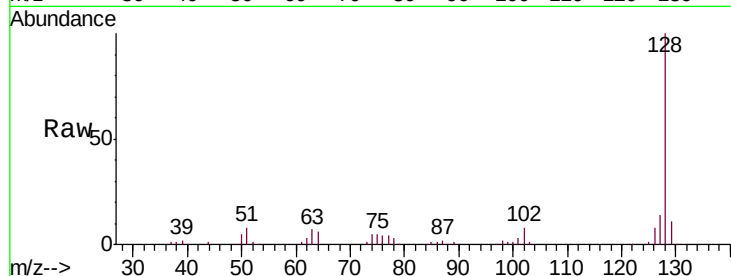
Tgt Ion:128 Resp: 128412

Ion Ratio Lower Upper

128 100

127 13.8 11.0 16.4

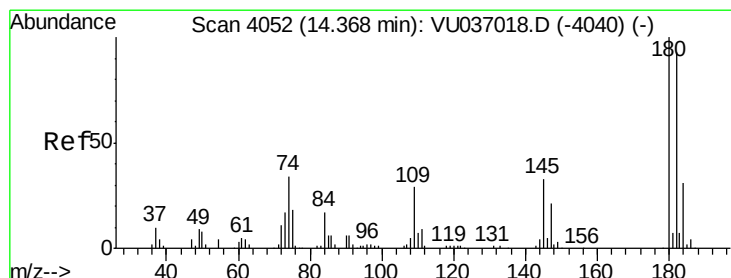
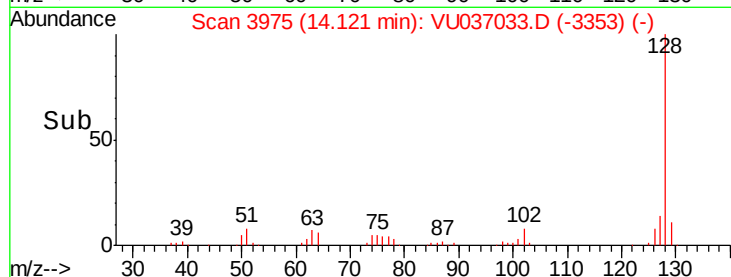
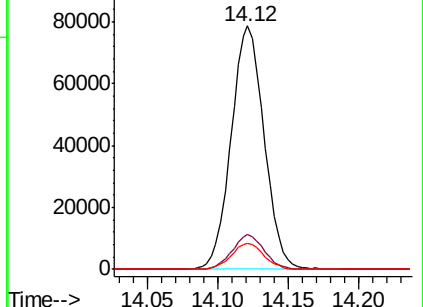
129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.616 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. -0.00 min

Lab File: VU037033.D

Acq: 04 Mar 2020 10:03

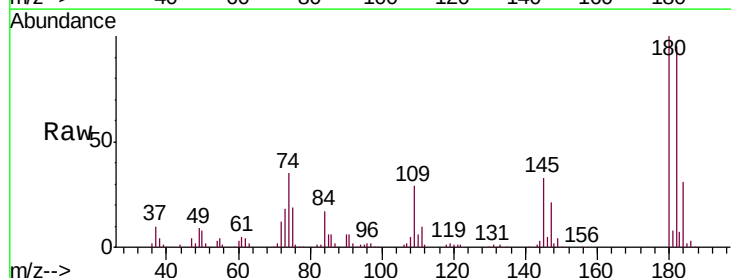
Tgt Ion:180 Resp: 89960

Ion Ratio Lower Upper

180 100

182 94.6 77.0 115.6

145 33.7 28.1 42.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

