

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031320\
 Data File : VU037239.D
 Acq On : 13 Mar 2020 13:31
 Operator : JC/MD
 Sample : VSTDCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 14 00:18:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Mar 13 15:53:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	124362	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	125302	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	65354	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	40754	4.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.80%
7) Chloroethane-d5	1.93	69	34220	5.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.60%
11) 1,1-Dichloroethene-d2	2.59	63	81525	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.80%
20) 2-Butanone-d5	4.67	46	107304	51.37	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.74%
24) Chloroform-d	5.11	84	85266	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.74	65	48556	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.76	84	150071	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.73	67	48421	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.93	98	147185	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
43) trans-1,3-Dichloropropene-	8.20	79	21769	5.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.40%
46) 2-Hexanone-d5	8.66	63	89189	53.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.54%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	40136	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	56946	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	76097	4.752	ug/L	99
3) Chloromethane	1.54	50	65369	4.785	ug/L	98
5) Vinyl chloride	1.62	62	65067	5.318	ug/L	97
6) Bromomethane	1.87	94	29742	6.467	ug/L	96
8) Chloroethane	1.95	64	35182	5.610	ug/L	97
9) Trichlorofluoromethane	2.16	101	96621	5.565	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	44529	4.961	ug/L	98
12) 1,1-Dichloroethene	2.60	96	39878	4.913	ug/L	98
13) Acetone	2.65	43	85802	50.126	ug/L	95
14) Carbon disulfide	2.82	76	128371	4.767	ug/L	99
15) Methyl Acetate	2.98	43	20376	5.087	ug/L	98
16) Methylene chloride	3.08	84	47459	4.869	ug/L	99
17) Methyl tert-butyl Ether	3.40	73	113657	5.212	ug/L	96
18) trans-1,2-Dichloroethene	3.38	96	42614	4.965	ug/L	97
19) 1,1-Dichloroethane	3.91	63	86786	4.995	ug/L	99
21) 2-Butanone	4.75	43	135183	50.170	ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	48091	5.091	ug/L	90

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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

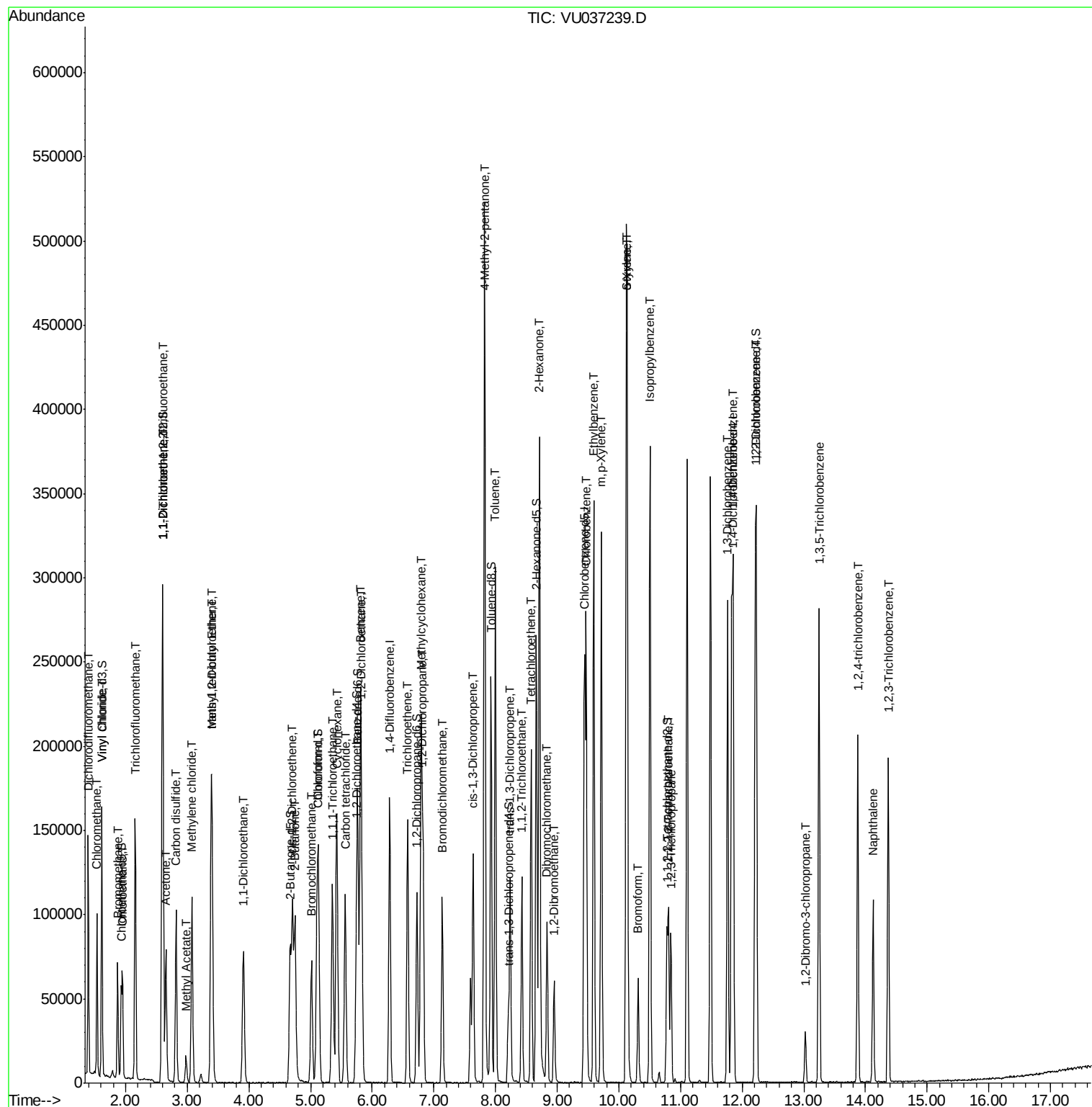
23) Bromochloromethane	5.02	128	21176	5.115	ug/L	94
25) Chloroform	5.13	83	93387	4.927	ug/L	99
27) 1,2-Dichloroethane	5.83	62	69163	5.235	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	85051	5.300	ug/L	97
30) Cyclohexane	5.43	56	76619	4.936	ug/L	99
31) Carbon tetrachloride	5.56	117	75285	5.415	ug/L	98
33) Benzene	5.81	78	190852	5.151	ug/L	100
34) Trichloroethene	6.57	95	50296	5.027	ug/L	98
35) Methylcyclohexane	6.79	83	77967	5.042	ug/L	99
37) 1,2-Dichloropropane	6.83	63	50500	5.180	ug/L	99
38) Bromodichloromethane	7.14	83	67919	5.251	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	74972	5.357	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	336133	48.725	ug/L	97
42) Toluene	8.00	91	207159	5.208	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	64630	5.537	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	34480	4.902	ug/L	96
47) Tetrachloroethene	8.58	164	39942	5.134	ug/L	99
48) 2-Hexanone	8.71	43	248545	51.676	ug/L	97
49) Dibromochloromethane	8.83	129	45271	5.344	ug/L	96
50) 1,2-Dibromoethane	8.95	107	33617	5.040	ug/L #	97
51) Chlorobenzene	9.47	112	130341	5.090	ug/L	98
52) Ethylbenzene	9.59	91	235148	5.347	ug/L	99
53) m,p-Xylene	9.72	106	87462	5.532	ug/L	99
54) o-Xylene	10.12	106	84258	5.466	ug/L	99
55) Styrene	10.14	104	142717	5.646	ug/L	98
56) Isopropylbenzene	10.50	105	228577	5.526	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	46351	5.336	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	34485	4.943	ug/L	97
61) Bromoform	10.31	173	26509	5.316	ug/L #	95
62) 1,3-Dichlorobenzene	11.76	146	107371	5.013	ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	105303	4.951	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	102126	5.030	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	7841	5.030	ug/L	97
67) 1,3,5-Trichlorobenzene	13.25	180	81720	5.574	ug/L	98
68) 1,2,4-trichlorobenzene	13.88	180	58314	5.866	ug/L	100
69) Naphthalene	14.12	128	82798	5.830	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	53971	5.785	ug/L	97

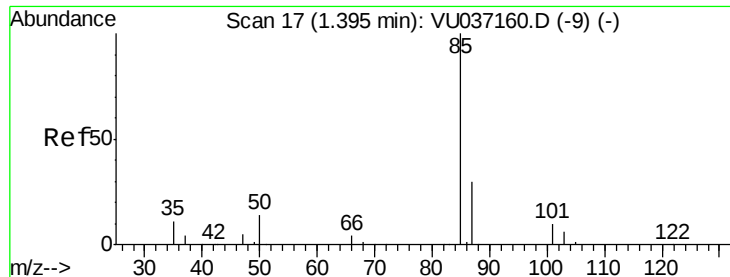
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.752 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

Instrument :

MSVOA_U

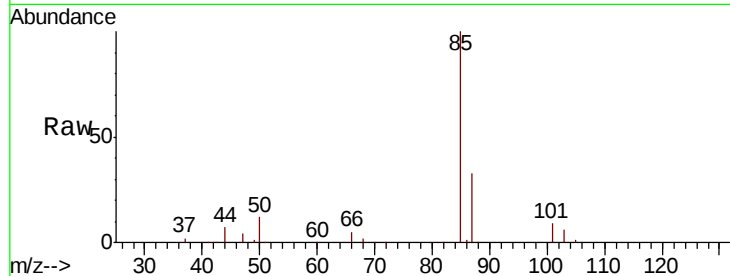
ClientSampleId :

Tot Ion: 85 Resp: 76097

Ion Ratio Lower Upper

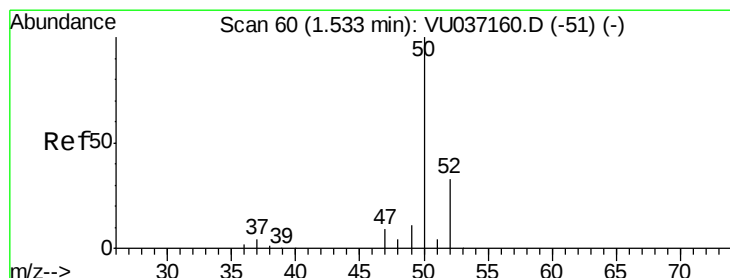
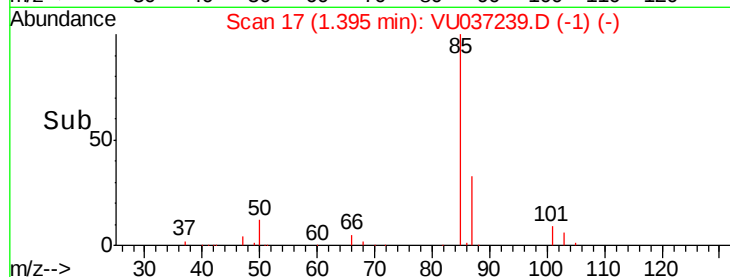
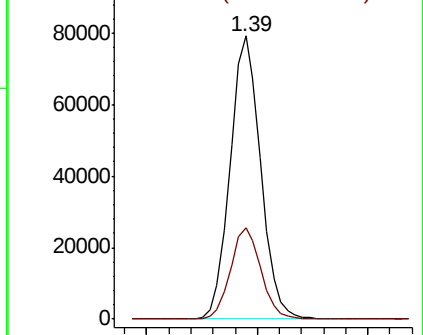
85 100

87 32.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037160.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037160.D (-9) (-)



#3

Chloromethane

Concen: 4.785 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037239.D

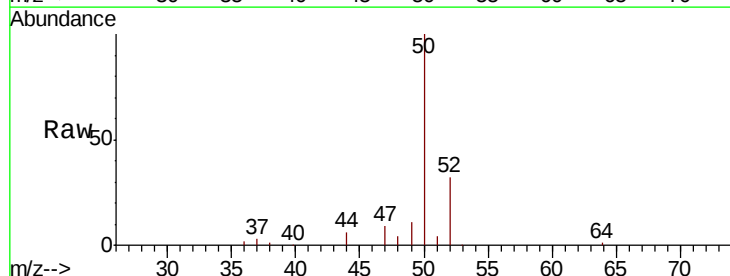
Acq: 13 Mar 2020 13:31

Tgt Ion: 50 Resp: 65369

Ion Ratio Lower Upper

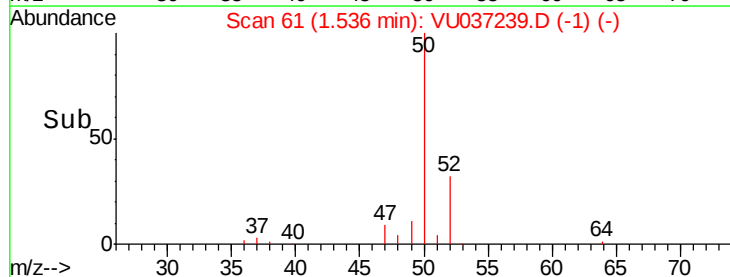
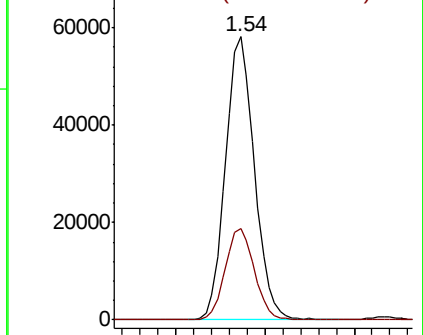
50 100

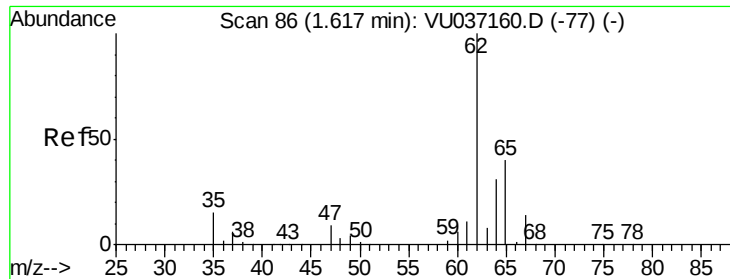
52 32.3 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU037160.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU037160.D (-51) (-)





#5

Vinyl chloride

Concen: 5.318 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

Instrument :

MSVOA_U

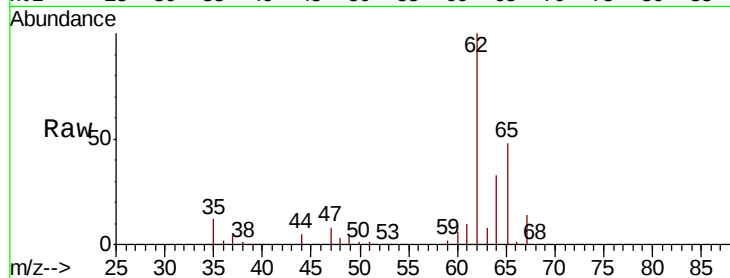
ClientSampleId :

Tot Ion: 62 Resp: 65067

Ion Ratio Lower Upper

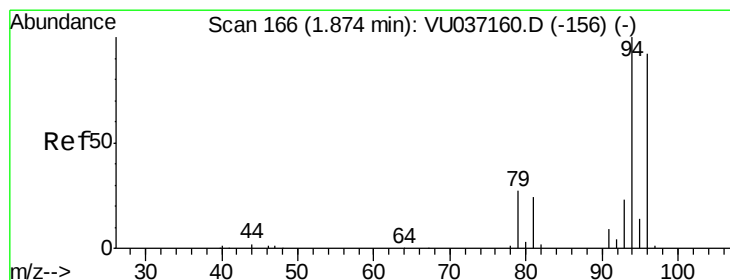
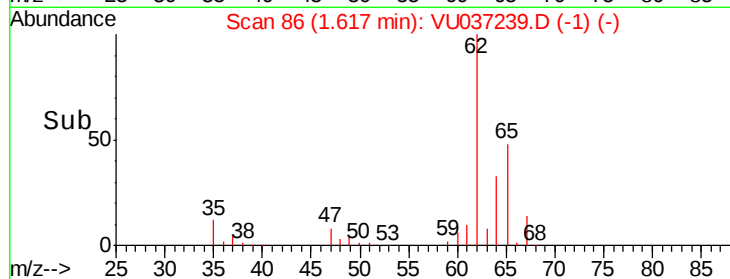
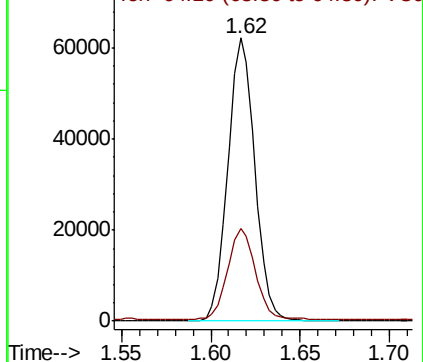
62 100

64 32.6 21.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VU037160.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037160.D (-77) (-)



#6

Bromomethane

Concen: 6.467 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037239.D

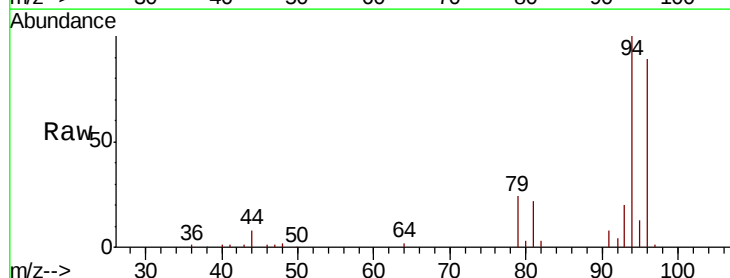
Acq: 13 Mar 2020 13:31

Tgt Ion: 94 Resp: 29742

Ion Ratio Lower Upper

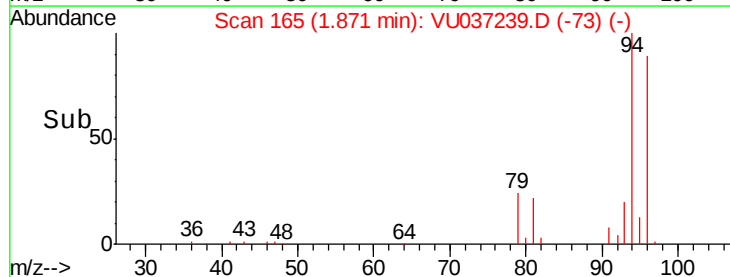
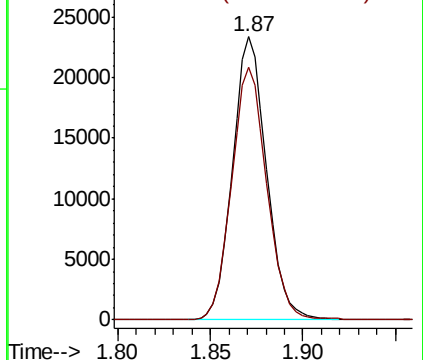
94 100

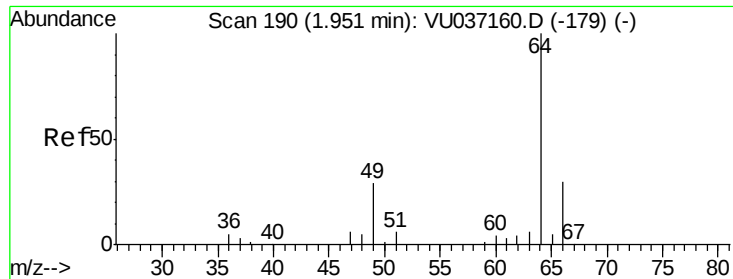
96 89.1 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU037160.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037160.D (-156) (-)

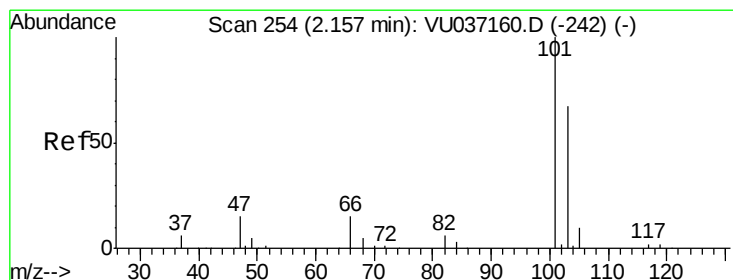
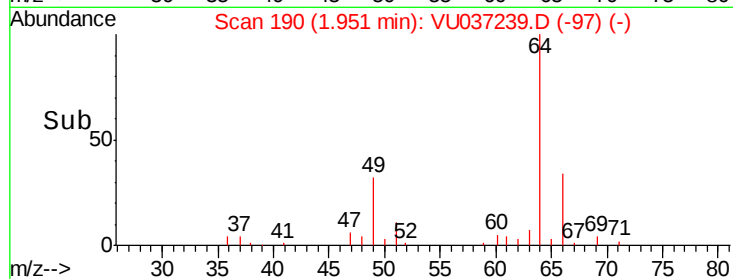
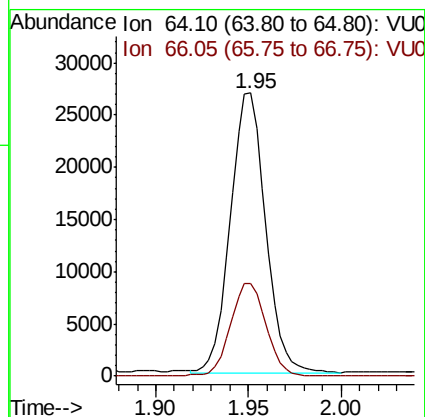
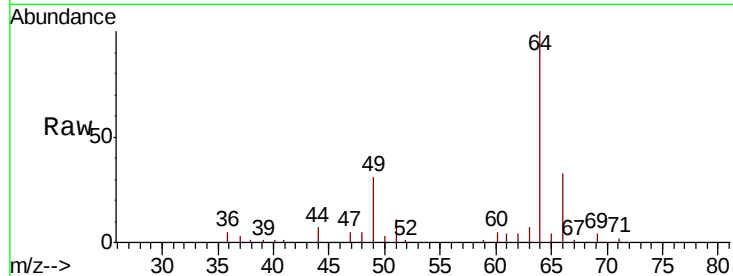




#8
Chloroethane
Concen: 5.610 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU037239.D
Acq: 13 Mar 2020 13:31

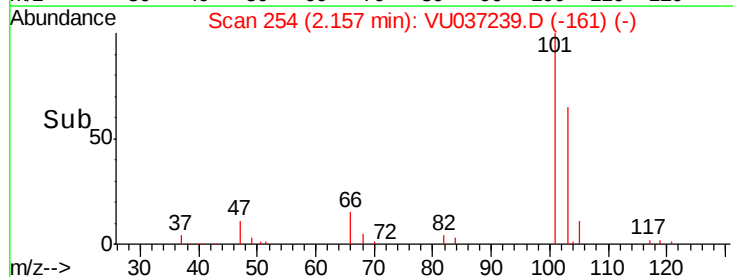
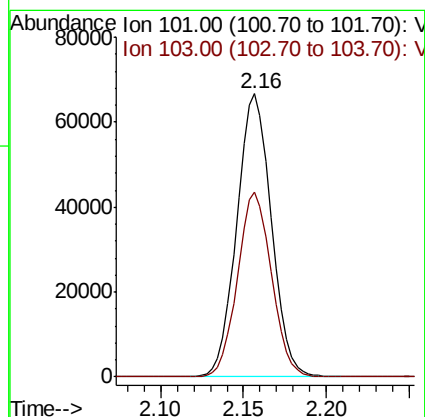
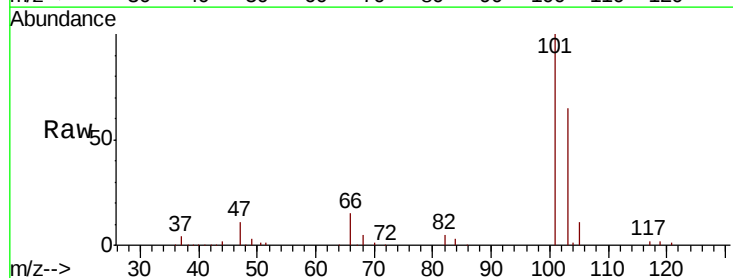
Instrument :
MSVOA_U
ClientSampleId :

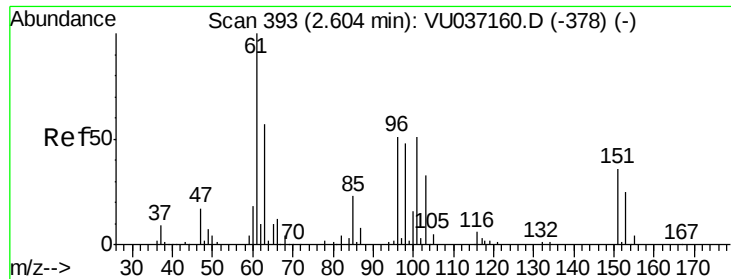
Tot Ion: 64 Resp: 35182
Ion Ratio Lower Upper
64 100
66 32.9 22.0 40.8



#9
Trichlorofluoromethane
Concen: 5.565 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037239.D
Acq: 13 Mar 2020 13:31

Tgt Ion:101 Resp: 96621
Ion Ratio Lower Upper
101 100
103 64.3 50.2 75.4





#10

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

Concen: 4.961 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

Instrument :

MSVOA_U

ClientSampleId :

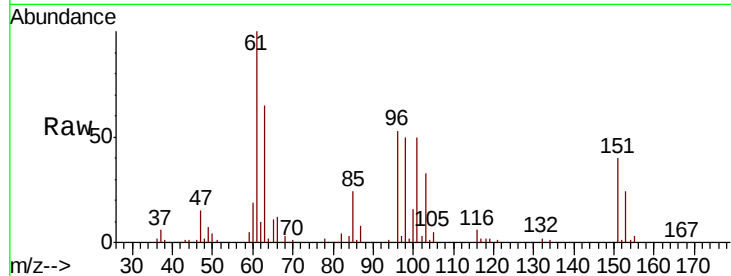
Tot Ion:101 Resp: 44529

Ion Ratio Lower Upper

101 100

85 47.8 37.5 56.3

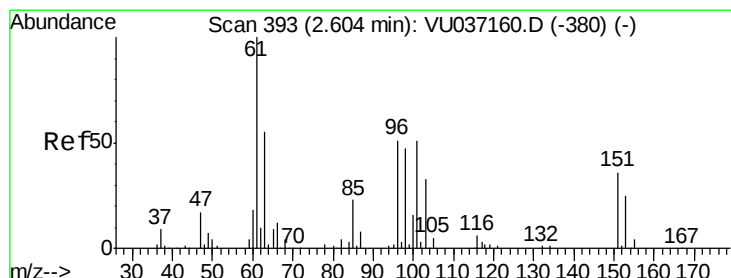
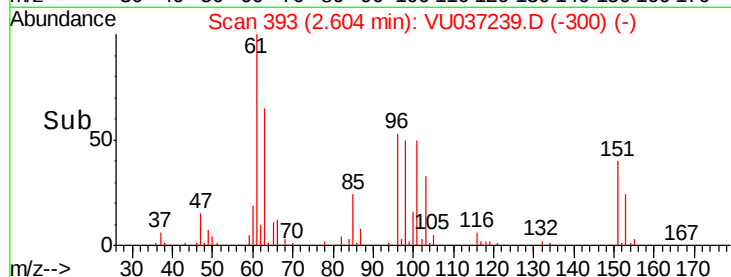
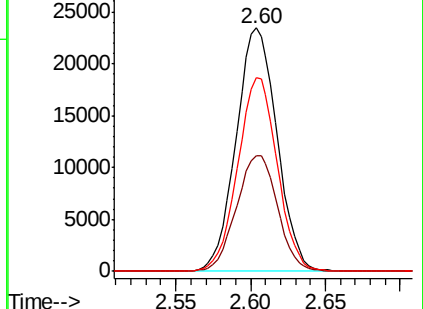
151 76.8 59.8 89.6



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: 4.913 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

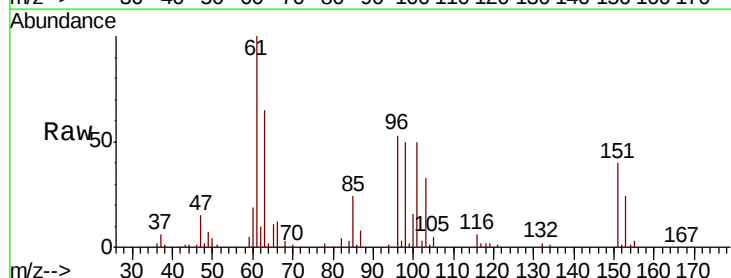
Tgt Ion: 96 Resp: 39878

Ion Ratio Lower Upper

96 100

61 189.3 136.4 253.2

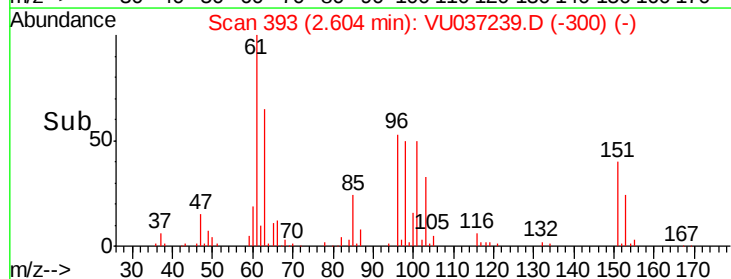
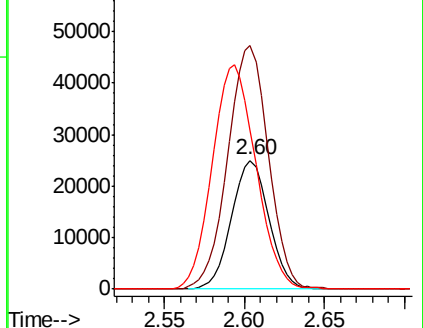
63 123.3 86.2 160.0

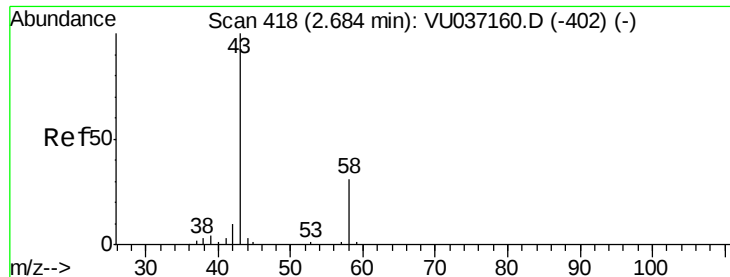


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.126 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.03 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

Instrument :

MSVOA_U

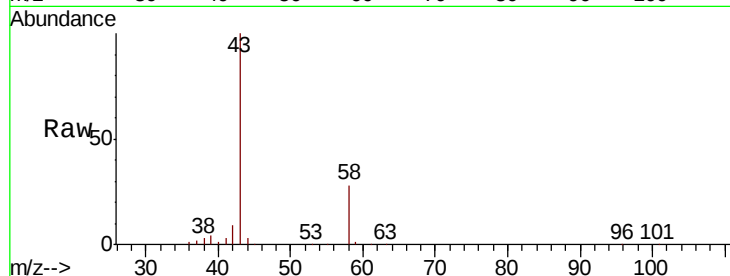
ClientSampled :

Tot Ion: 43 Resp: 85802

Ion Ratio Lower Upper

43 100

58 28.8 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VU037160.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU037160.D (-402) (-)

2.65

50000

40000

30000

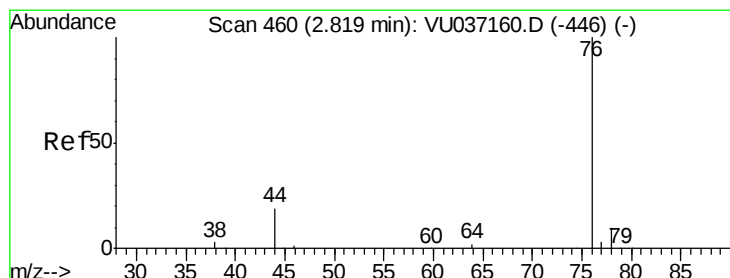
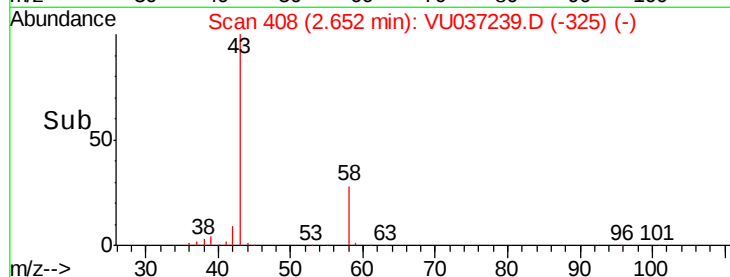
20000

10000

0

2.60 2.65 2.70

Time-->



#14

Carbon disulfide

Concen: 4.767 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037239.D

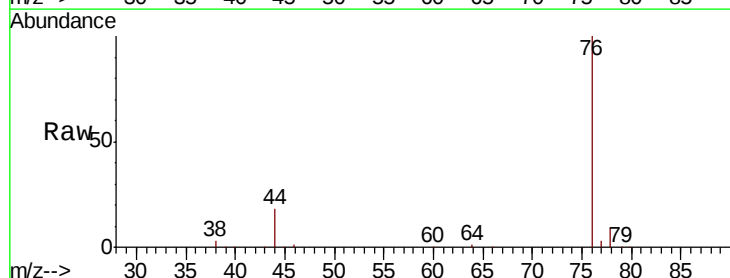
Acq: 13 Mar 2020 13:31

Tgt Ion: 76 Resp: 128371

Ion Ratio Lower Upper

76 100

78 9.1 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU037160.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037160.D (-446) (-)

2.82

80000

60000

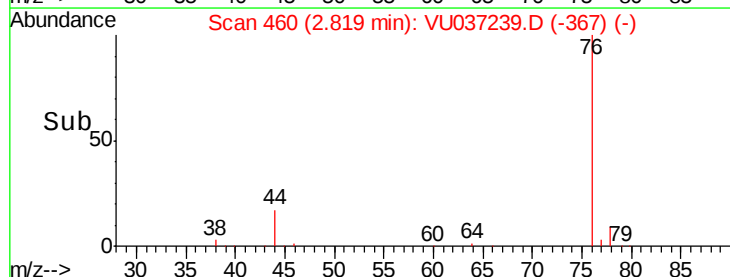
40000

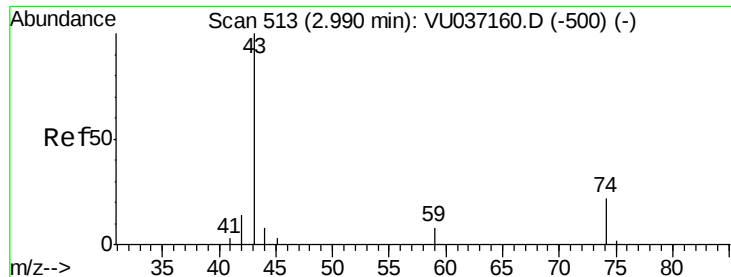
20000

0

2.75 2.80 2.85 2.90

Time-->

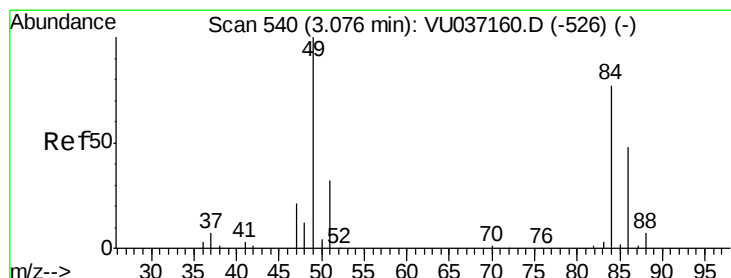
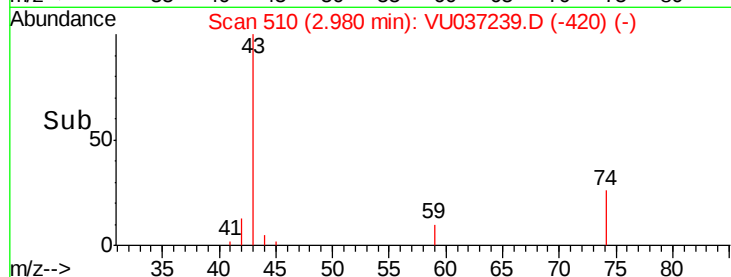
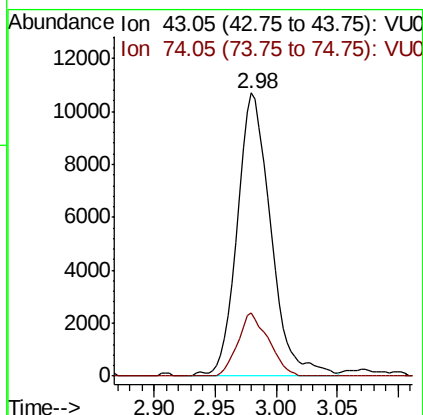
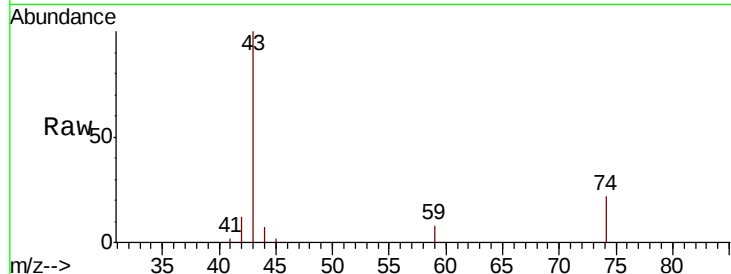




#15
Methvl Acetate
Concen: 5.087 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.01 min
Lab File: VU037239.D
Acq: 13 Mar 2020 13:31

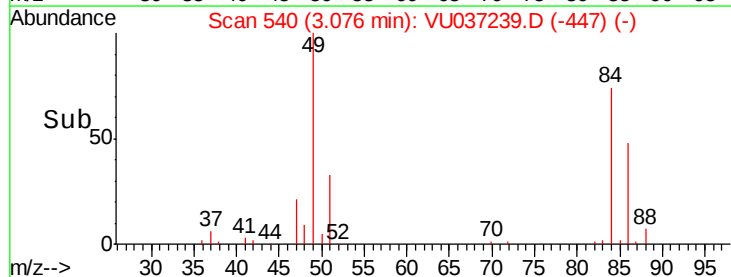
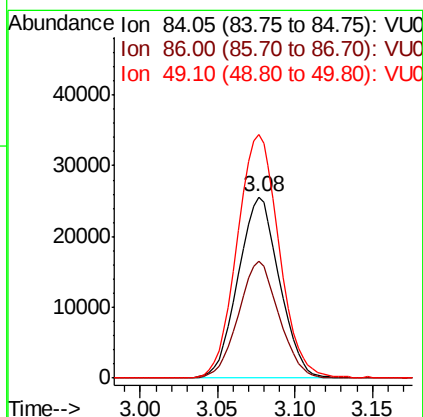
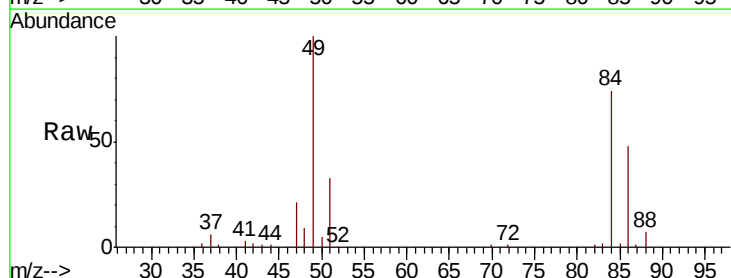
Instrument :
MSVOA_U
ClientSampleId :

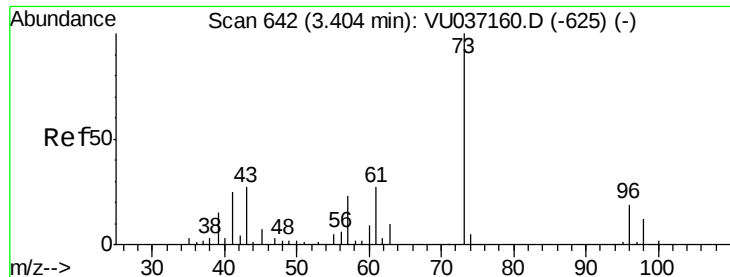
Tot Ion: 43 Resp: 20376
Ion Ratio Lower Upper
43 100
74 20.4 17.1 25.7



#16
Methylene chloride
Concen: 4.869 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037239.D
Acq: 13 Mar 2020 13:31

Tgt Ion: 84 Resp: 47459
Ion Ratio Lower Upper
84 100
86 64.3 44.3 82.3
49 134.3 95.3 177.1

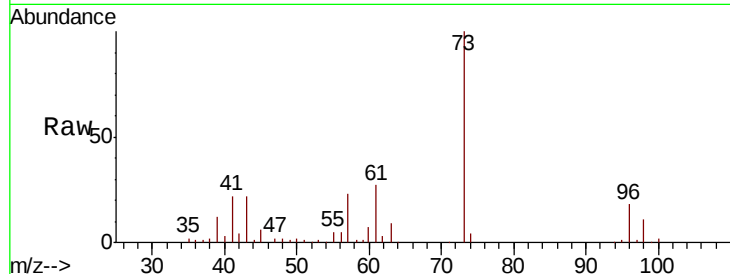




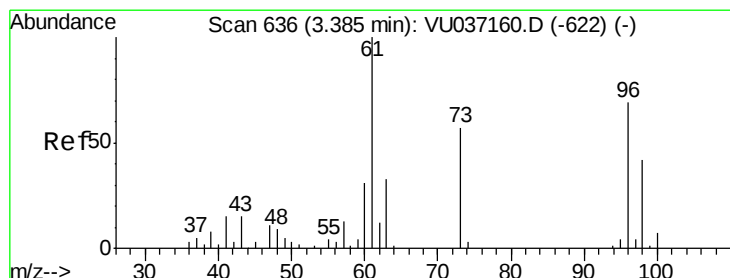
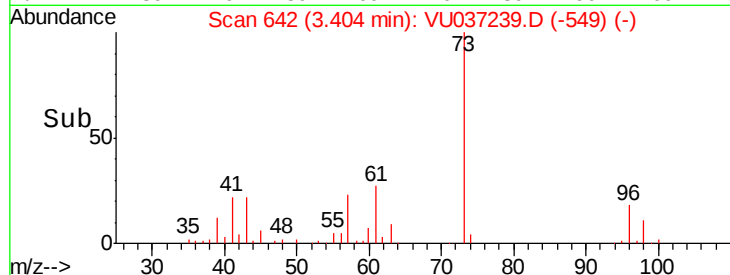
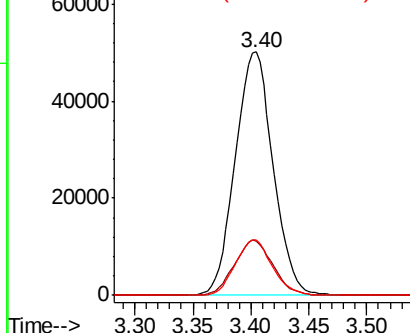
#17
Methvl tert-butvl Ether
Concen: 5.212 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU037239.D
Acq: 13 Mar 2020 13:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 113657
Ion Ratio Lower Upper
73 100
43 23.1 21.1 31.7
57 22.1 17.9 26.9

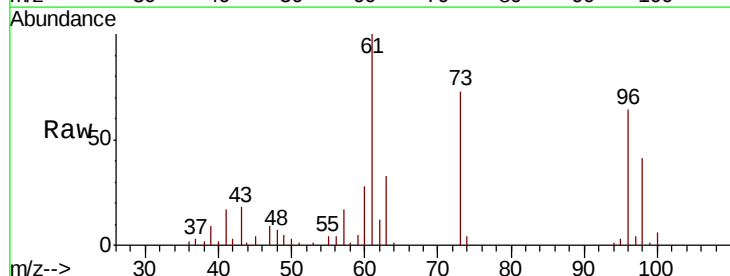


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

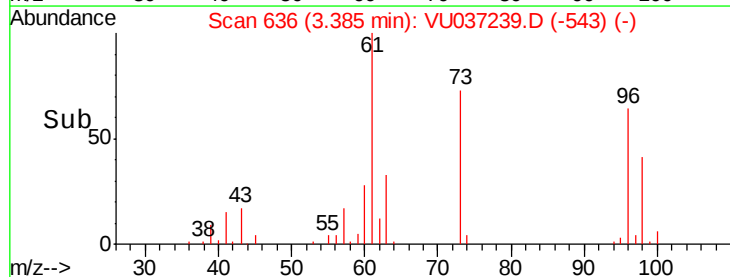
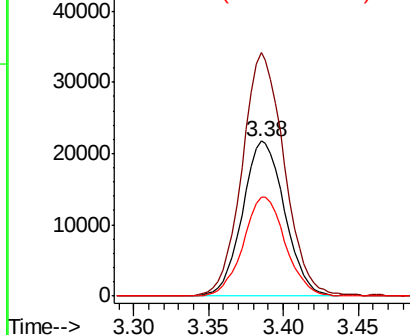


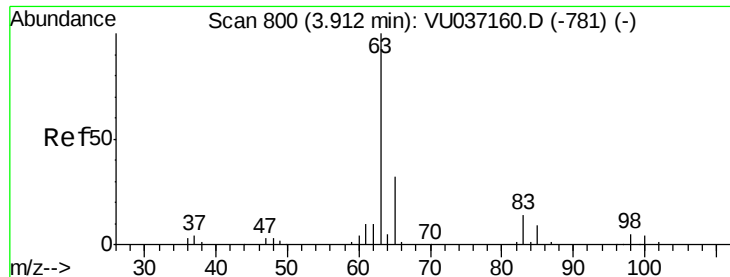
#18
trans-1,2-Dichloroethene
Concen: 4.965 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU037239.D
Acq: 13 Mar 2020 13:31

Tgt Ion: 96 Resp: 42614
Ion Ratio Lower Upper
96 100
61 156.9 107.2 199.2
98 63.9 43.6 81.0



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

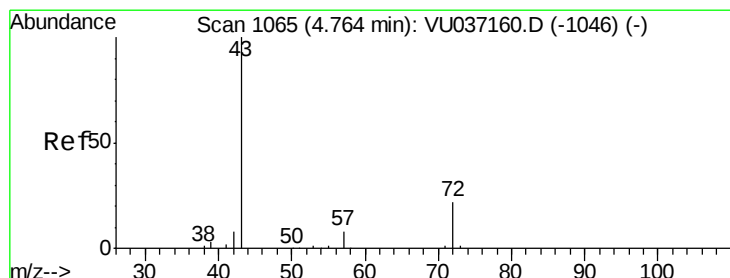
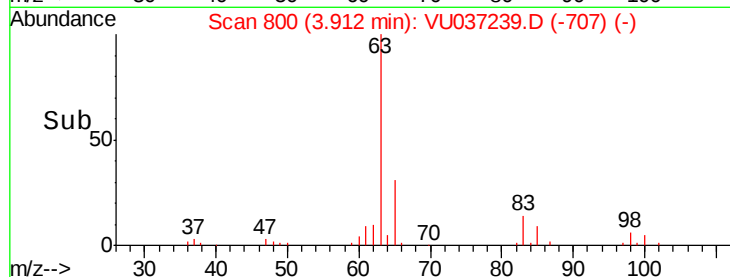
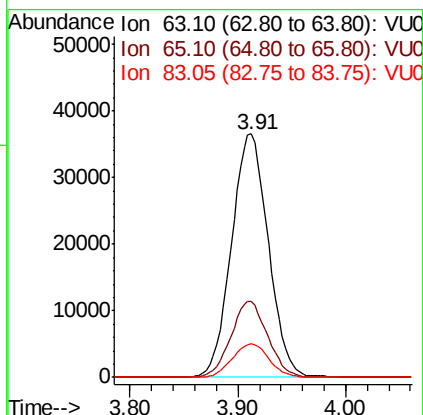
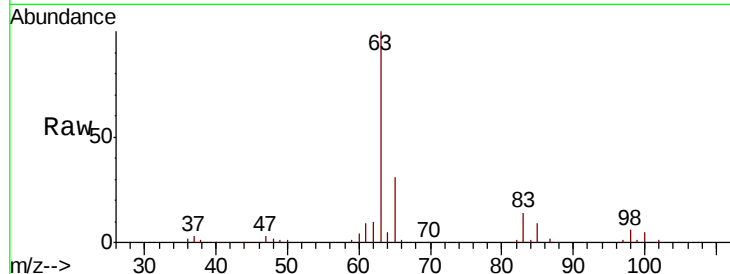




#19
 1,1-Dichloroethane
 Concen: 4.995 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU037239.D
 Acq: 13 Mar 2020 13:31

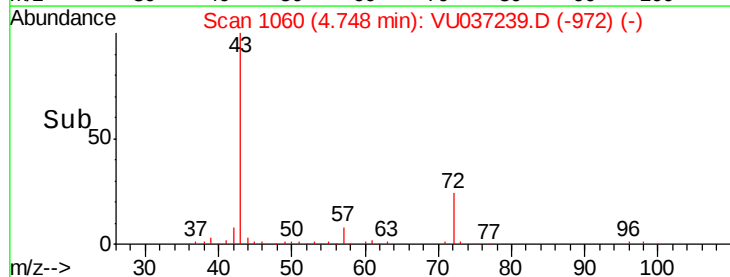
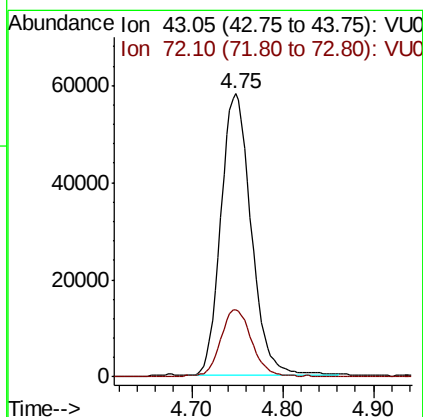
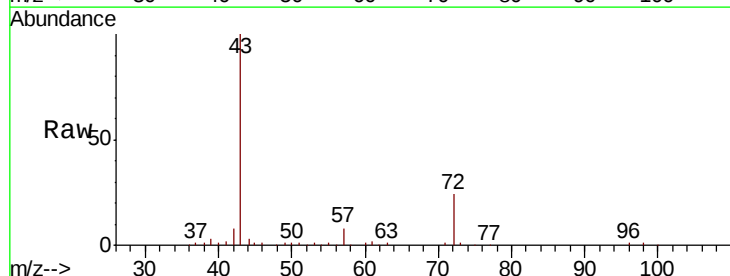
Instrument :
 MSVOA_U
 ClientSampleId :

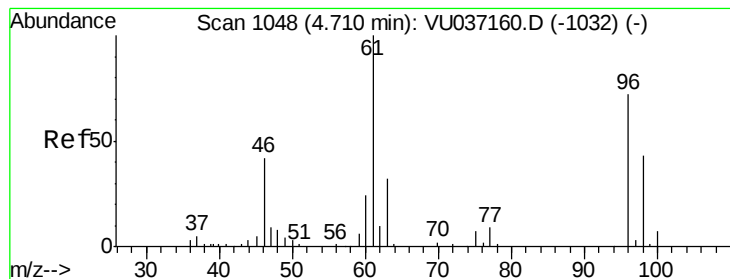
Tot Ion: 63 Resp: 86786
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.3 39.5
 83 13.8 10.0 18.6



#21
 2-Butanone
 Concen: 50.170 ug/L
 RT: 4.75 min Scan# 1060
 Delta R.T. -0.02 min
 Lab File: VU037239.D
 Acq: 13 Mar 2020 13:31

Tgt Ion: 43 Resp: 135183
 Ion Ratio Lower Upper
 43 100
 72 24.7 11.6 34.7





#22

cis-1,2-Dichloroethene

Concen: 5.091 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

Instrument :

MSVOA_U

ClientSampleId :

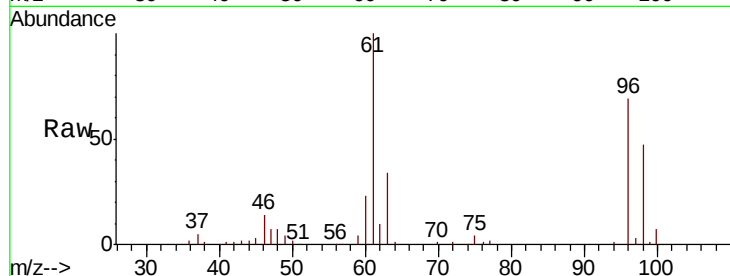
Tot Ion: 96 Resp: 48091

Ion Ratio Lower Upper

96 100

61 145.9 94.1 174.8

68 0.0 0.0 0.0

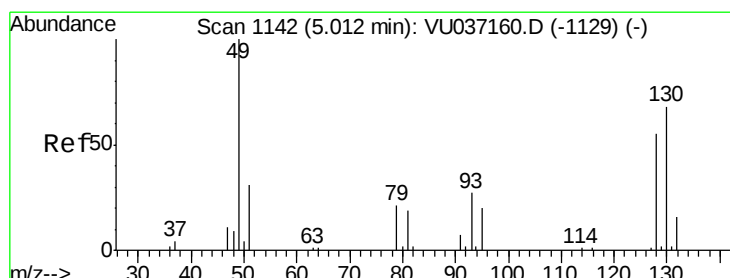
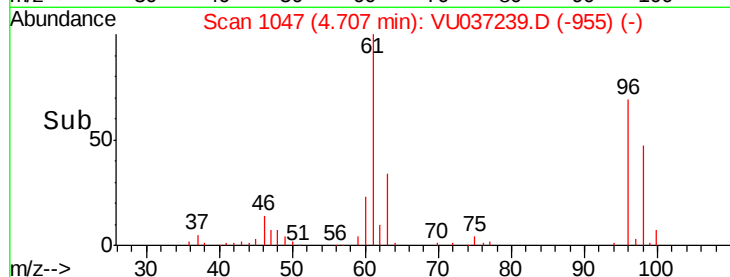
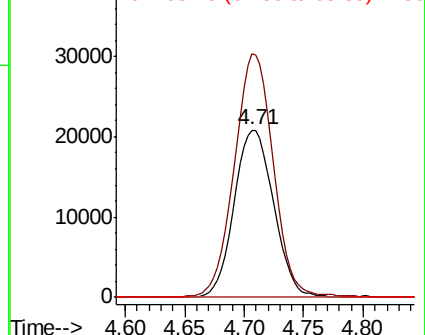


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.115 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

Tgt Ion: 128 Resp: 21176

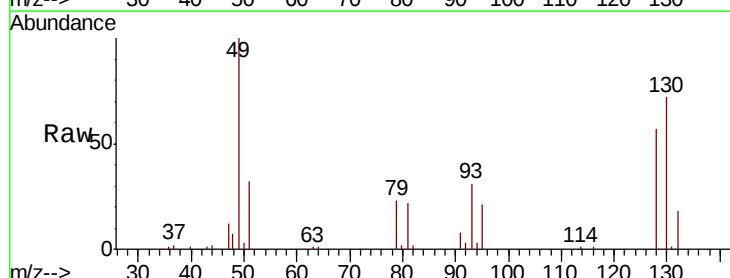
Ion Ratio Lower Upper

128 100

49 174.1 115.7 214.9

130 125.7 83.1 154.3

51 56.0 42.5 63.7



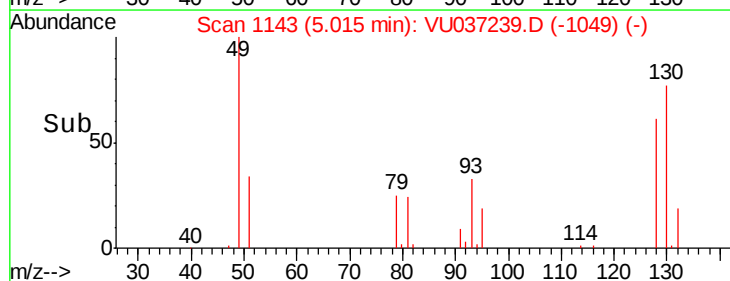
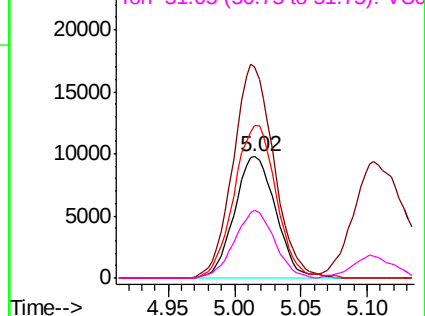
Abundance

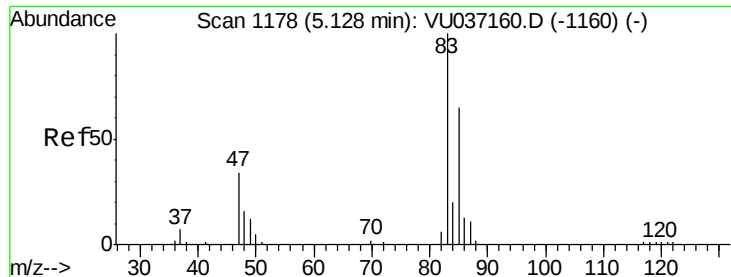
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

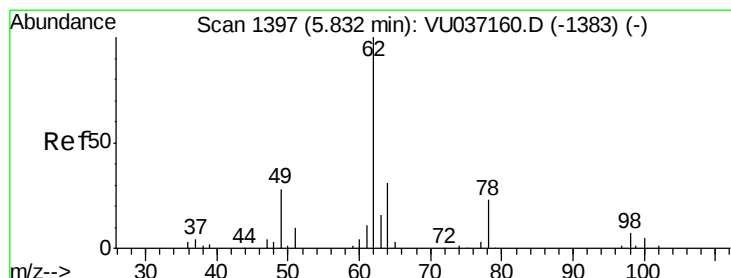
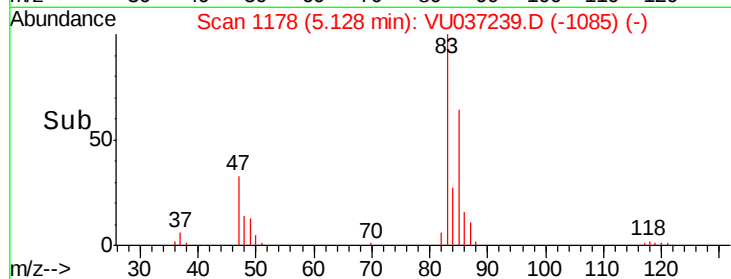
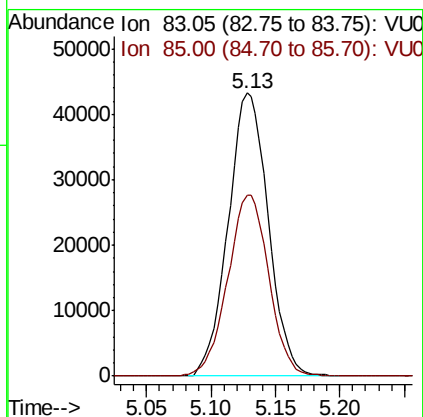
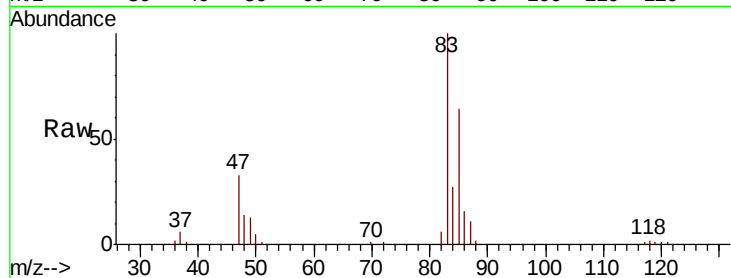




#25
Chloroform
Concen: 4.927 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037239.D
Acq: 13 Mar 2020 13:31

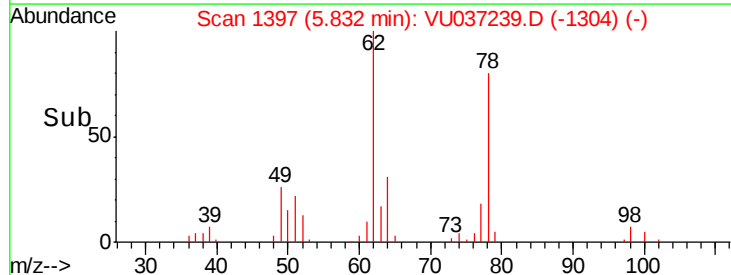
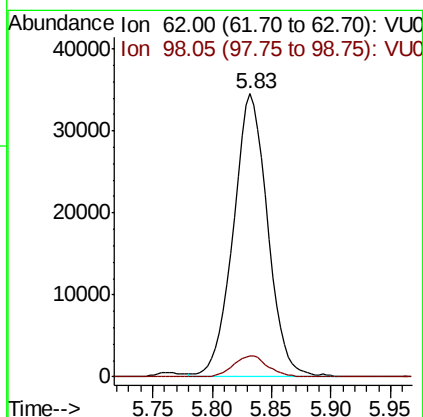
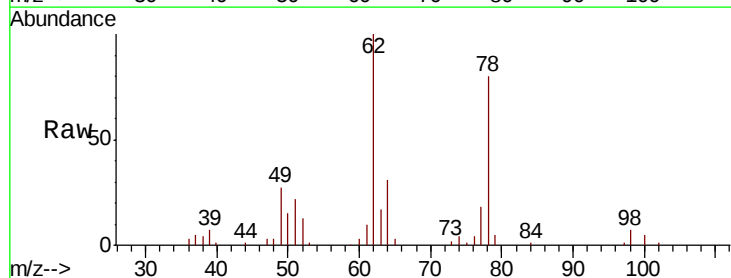
Instrument :
MSVOA_U
ClientSampleId :

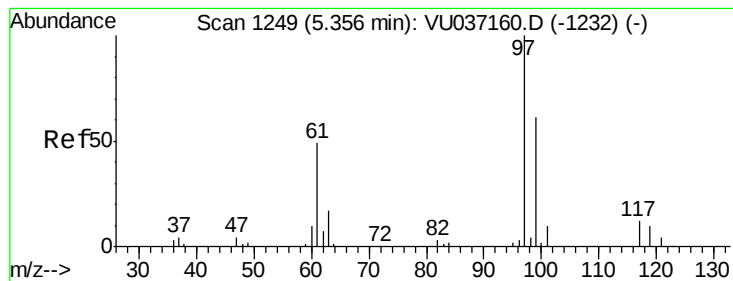
Tot Ion: 83 Resp: 93387
Ion Ratio Lower Upper
83 100
85 63.8 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.235 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU037239.D
Acq: 13 Mar 2020 13:31

Tgt Ion: 62 Resp: 69163
Ion Ratio Lower Upper
62 100
98 7.3 5.9 8.9





#29

1,1,1-Trichloroethane

Concen: 5.300 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

Instrument :

MSVOA_U

ClientSampleId :

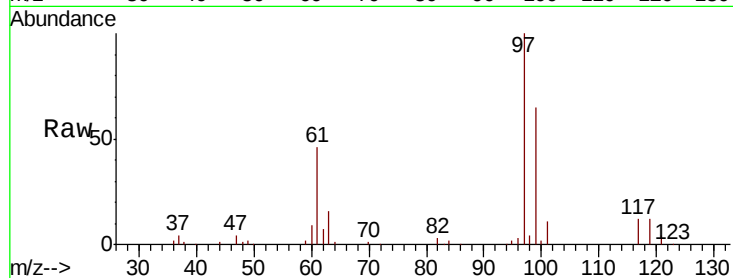
Tot Ion: 97 Resp: 85051

Ion Ratio Lower Upper

97 100

99 64.6 52.4 78.6

61 46.8 40.6 61.0

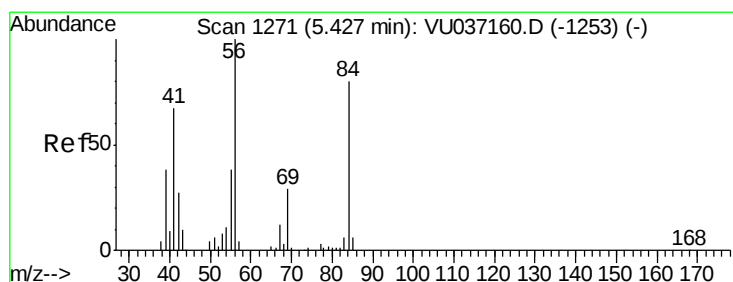
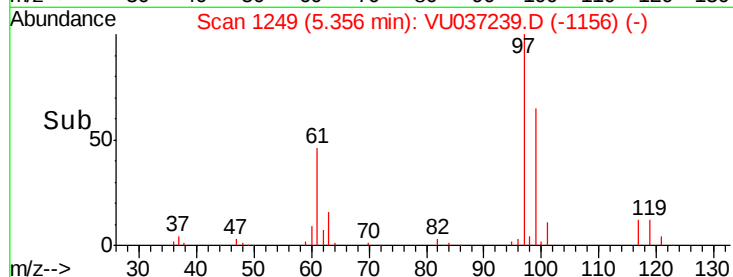
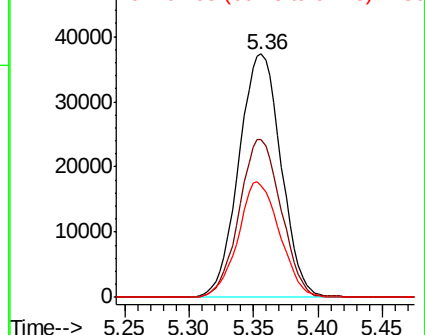


Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 4.936 ug/L

RT: 5.43 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

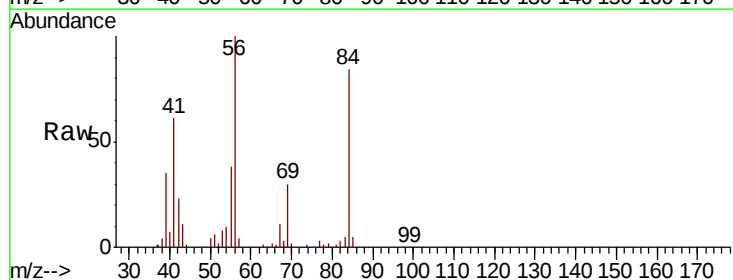
Tgt Ion: 56 Resp: 76619

Ion Ratio Lower Upper

56 100

69 29.3 25.0 37.6

84 82.4 65.4 98.2

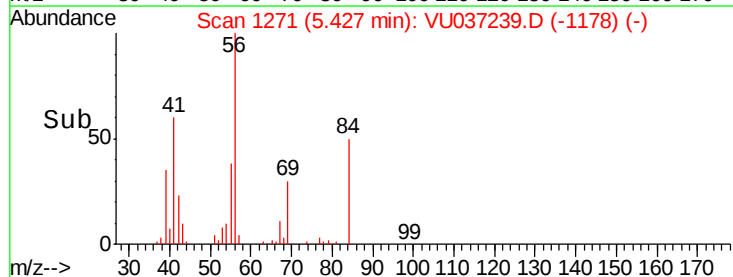
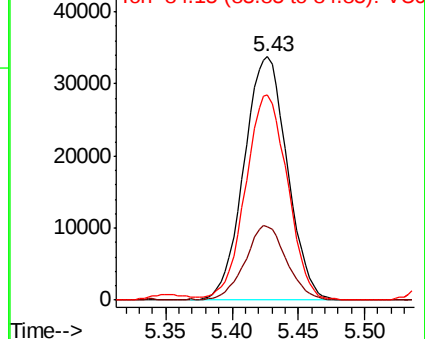


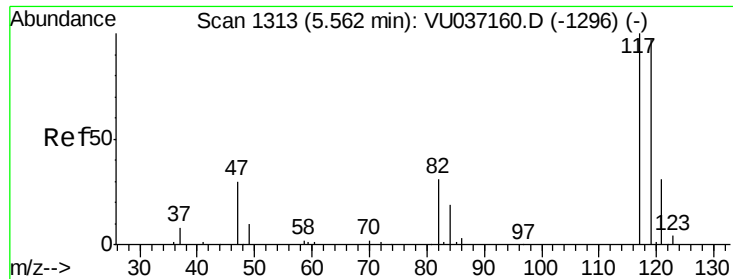
Abundance

Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.415 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

Instrument :

MSVOA_U

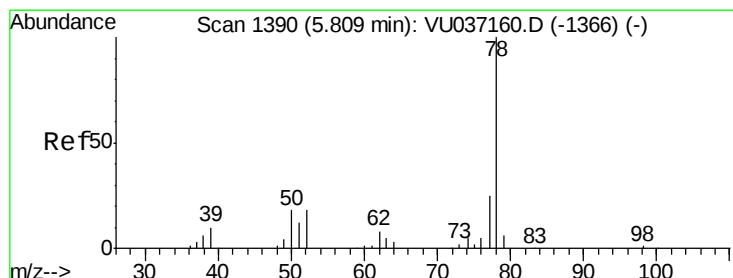
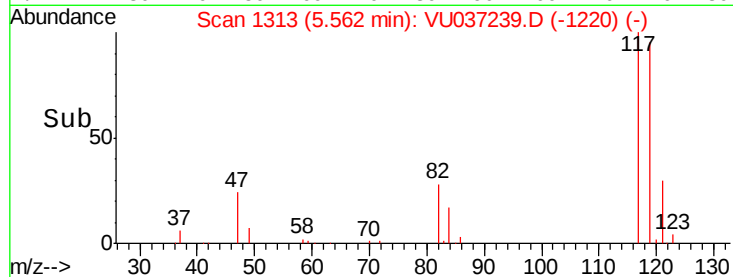
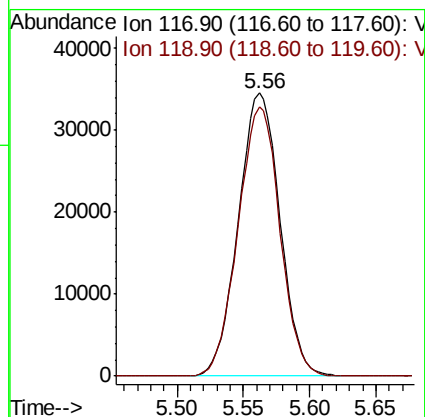
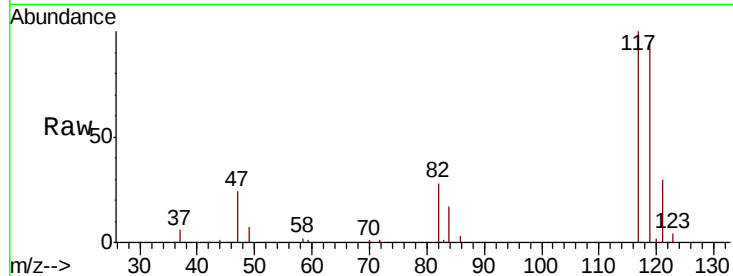
ClientSampleId :

Tot Ion:117 Resp: 75285

Ion Ratio Lower Upper

117 100

119 95.5 78.2 117.4



#33

Benzene

Concen: 5.151 ug/L

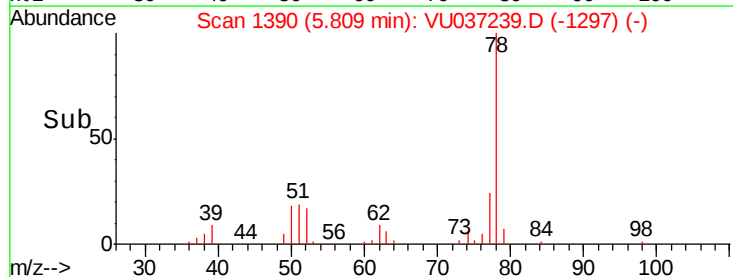
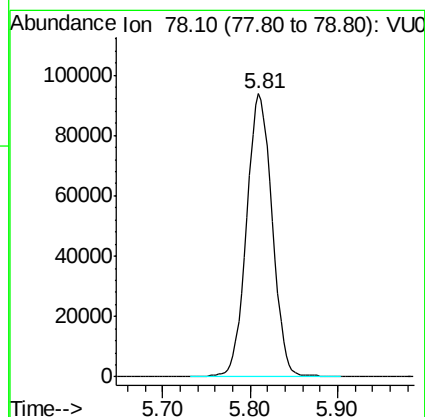
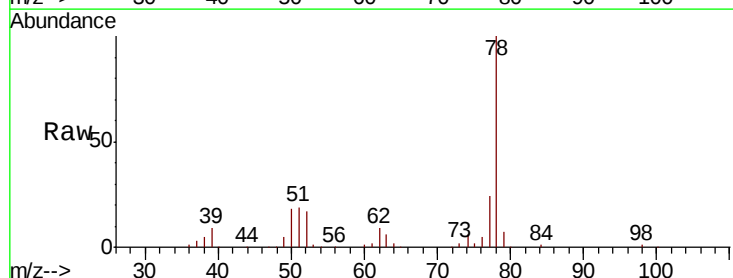
RT: 5.81 min Scan# 1390

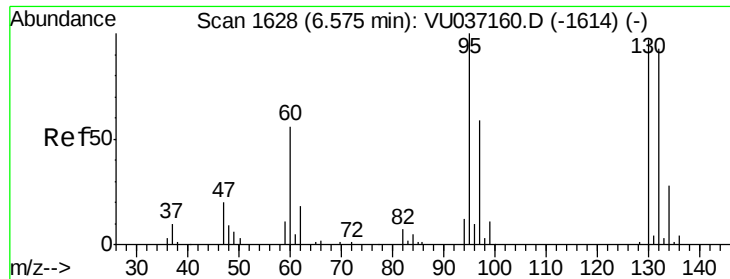
Delta R.T. -0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

Tgt Ion: 78 Resp: 190852

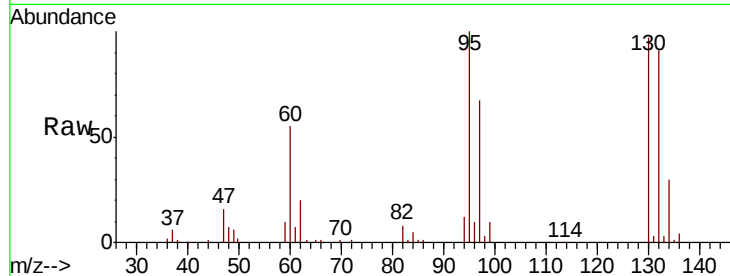




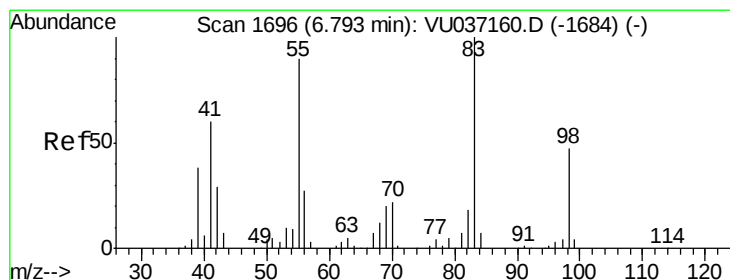
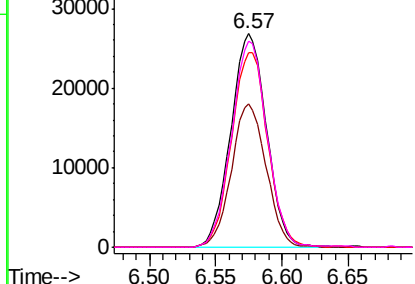
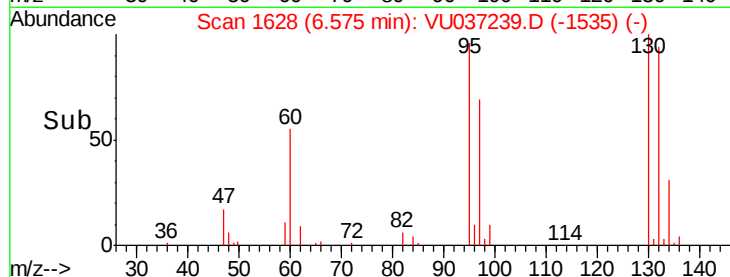
#34
 Trichloroethene
 Concen: 5.027 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU037239.D
 Acq: 13 Mar 2020 13:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 50296
 Ion Ratio Lower Upper
 95 100
 97 67.1 45.4 84.4
 132 91.1 63.7 118.3
 130 96.8 64.8 120.4

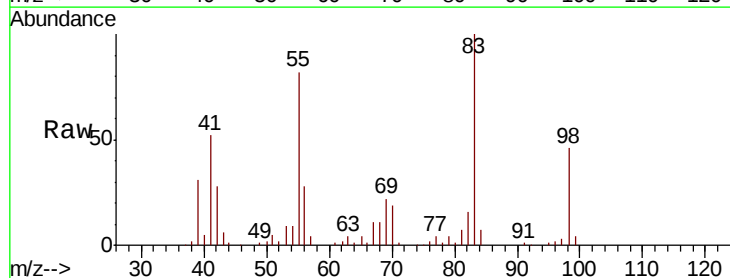


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

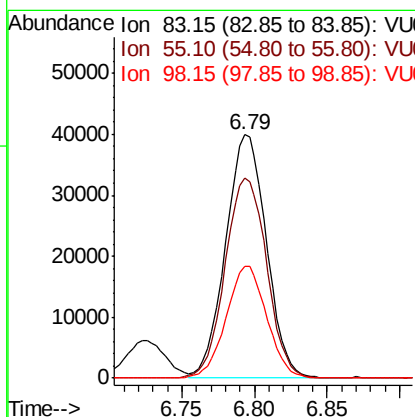
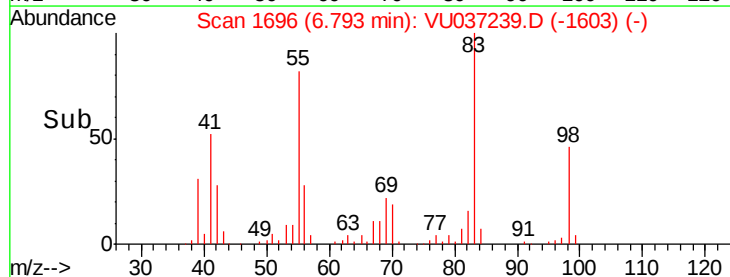


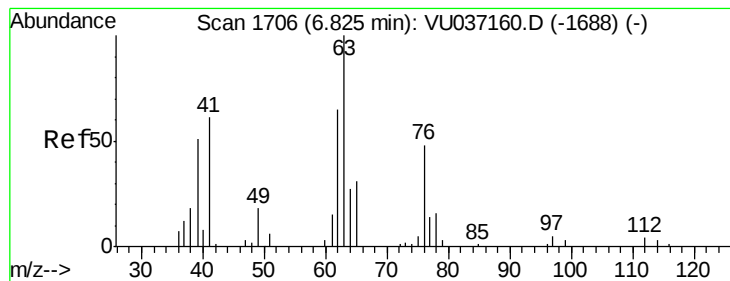
#35
 Methylcyclohexane
 Concen: 5.042 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU037239.D
 Acq: 13 Mar 2020 13:31

Tgt Ion: 83 Resp: 77967
 Ion Ratio Lower Upper
 83 100
 55 83.6 68.1 102.1
 98 45.6 37.0 55.4



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: 5.180 ug/L

RT: 6.83 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

Instrument :

MSVOA_U

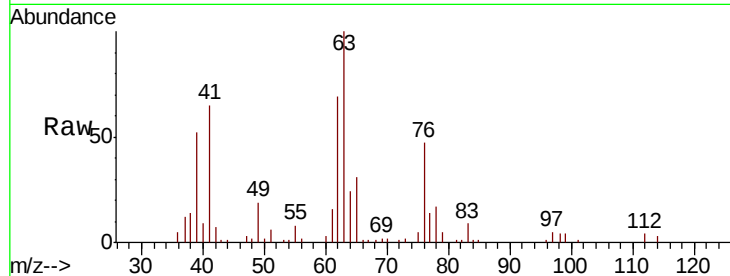
ClientSampled :

Tot Ion: 63 Resp: 50500

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.6



Abundance Ion 63.10 (62.80 to 63.80): VU037160.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU037160.D (-1688) (-)

6.83

25000

20000

15000

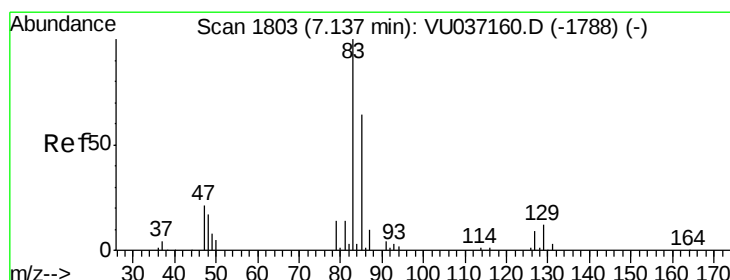
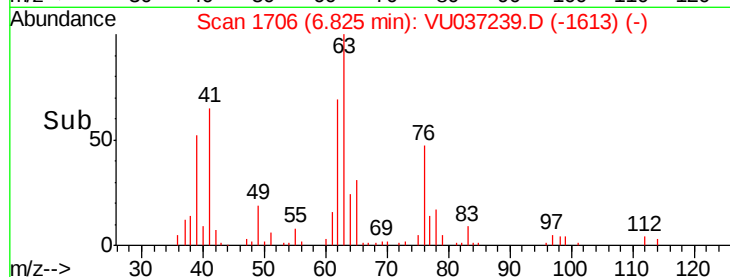
10000

5000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.251 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

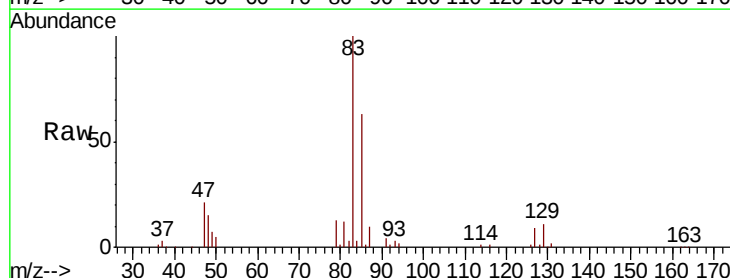
Tgt Ion: 83 Resp: 67919

Ion Ratio Lower Upper

83 100

85 63.4 45.1 83.7

127 8.6 6.7 10.1



Abundance Ion 82.95 (82.65 to 83.65): VU037160.D (-1788) (-)

Ion 85.00 (84.70 to 85.70): VU037160.D (-1788) (-)

Ion 126.90 (126.60 to 127.60): VU037160.D (-1788) (-)

7.14

50000

40000

30000

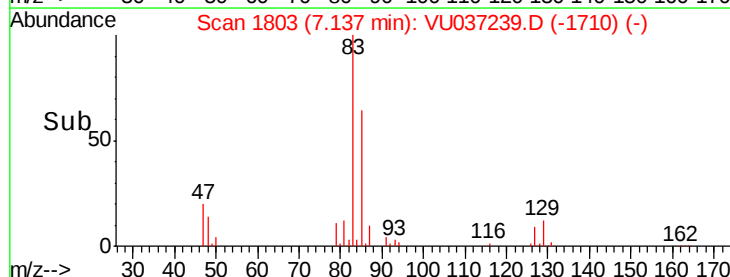
20000

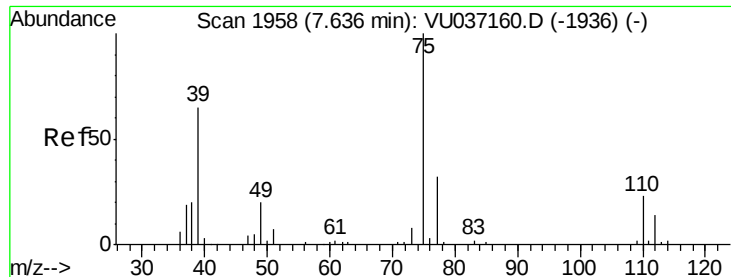
10000

0

7.05 7.10 7.15 7.20

Time-->

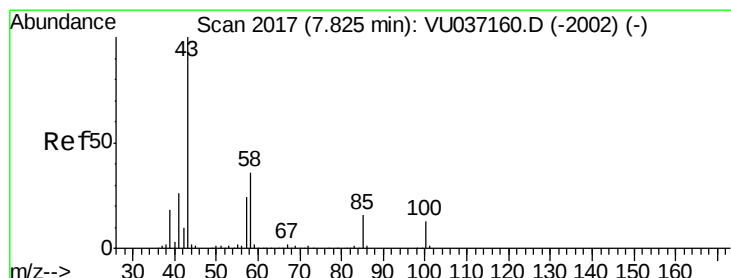
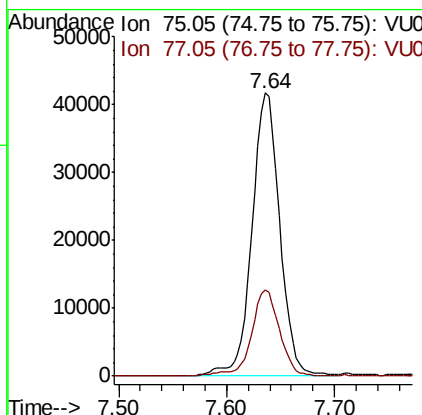
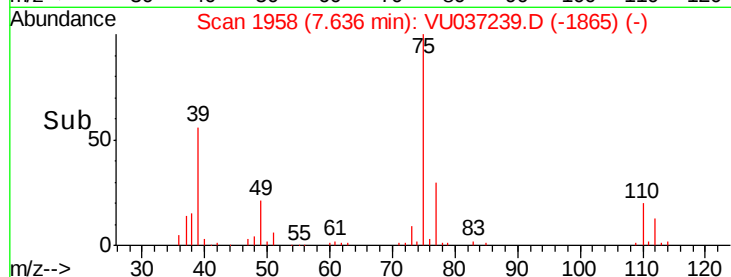
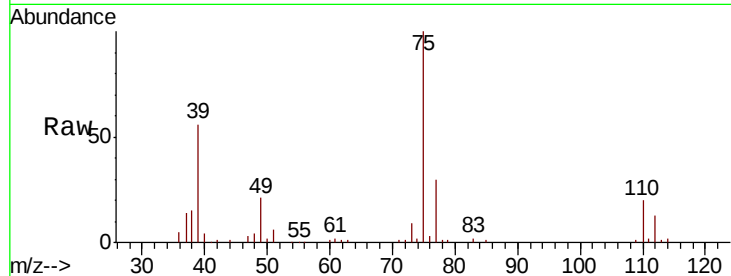




#39
 cis-1,3-Dichloropropene
 Concen: 5.357 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU037239.D
 Acq: 13 Mar 2020 13:31

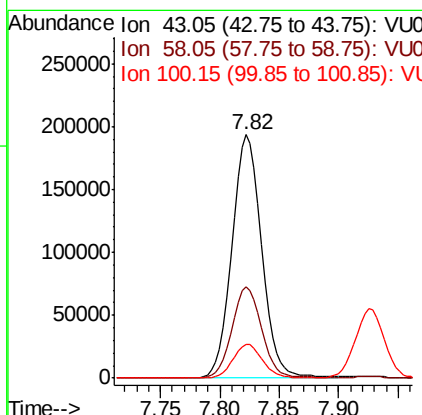
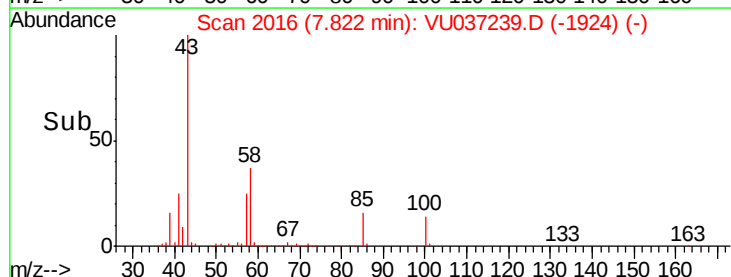
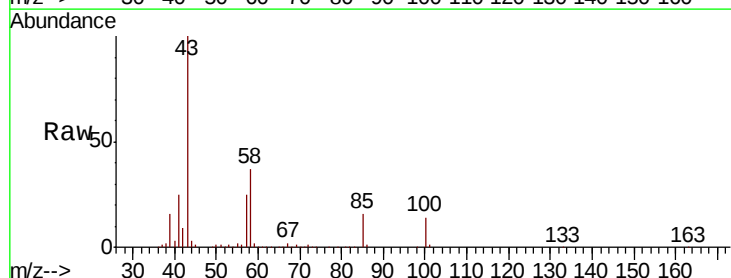
Instrument :
 MSVOA_U
 ClientSampleId :

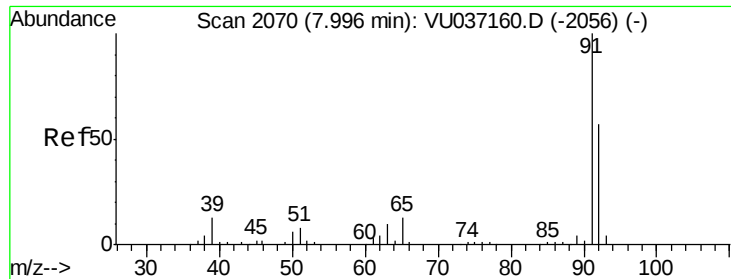
Tot Ion: 75 Resp: 74972
 Ion Ratio Lower Upper
 75 100
 77 30.4 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 48.725 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VU037239.D
 Acq: 13 Mar 2020 13:31

Tgt Ion: 43 Resp: 336133
 Ion Ratio Lower Upper
 43 100
 58 37.4 28.6 42.8
 100 13.7 10.2 15.2





#42

Toluene

Concen: 5.208 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

Instrument :

MSVOA_U

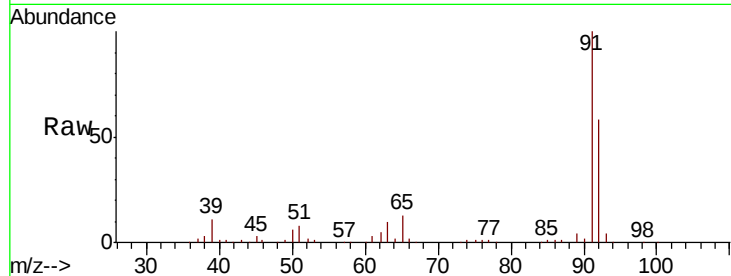
ClientSampled :

Tot Ion: 91 Resp: 207159

Ion Ratio Lower Upper

91 100

92 57.6 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VU037160.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU037160.D (-2056) (-)

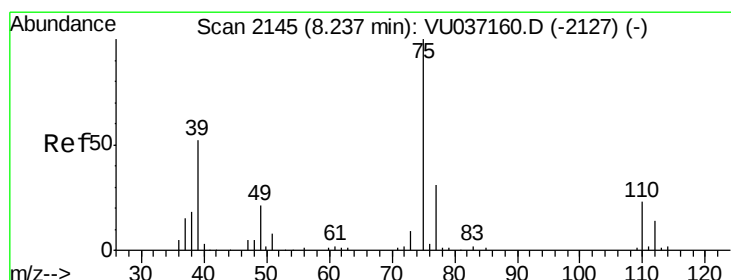
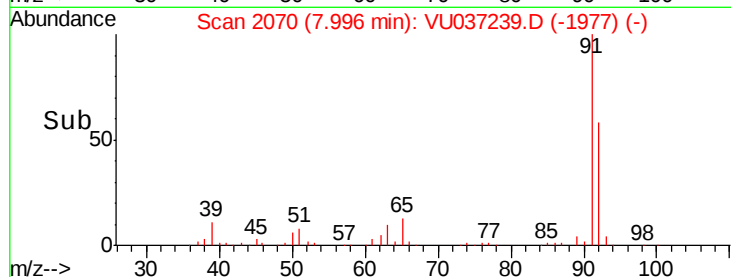
8.00

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.537 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU037239.D

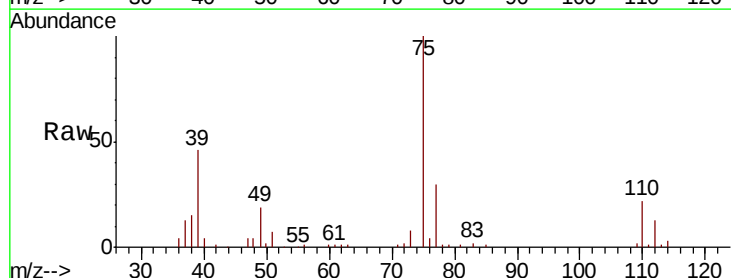
Acq: 13 Mar 2020 13:31

Tgt Ion: 75 Resp: 64630

Ion Ratio Lower Upper

75 100

77 29.7 21.2 39.4



Abundance Ion 75.05 (74.75 to 75.75): VU037160.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU037160.D (-2127) (-)

8.24

40000

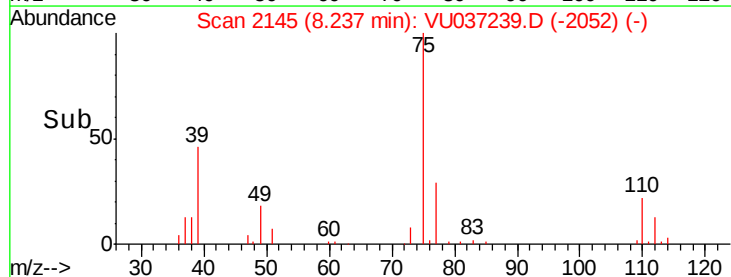
30000

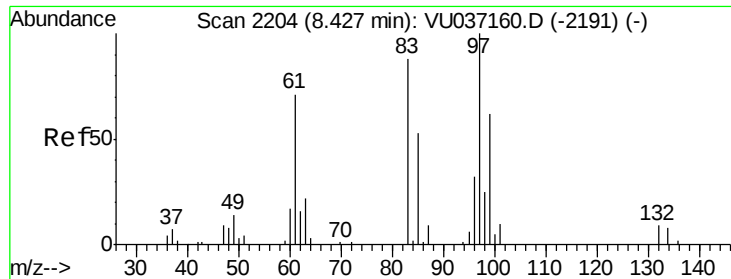
20000

10000

0

Time-->

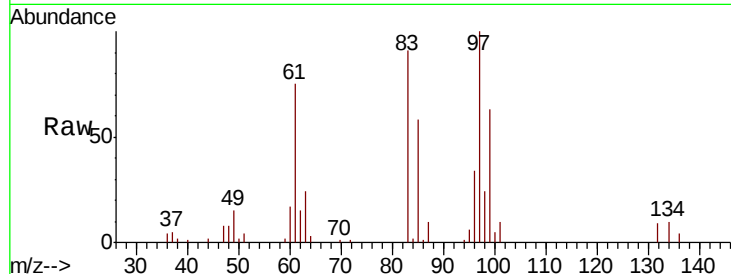




#45
1,1,2-Trichloroethane
Concen: 4.902 ug/L
RT: 8.43 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VU037239.D
Acq: 13 Mar 2020 13:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	34480
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.6	81.0
83	91.5	60.1	111.7
85	58.1	37.8	70.2



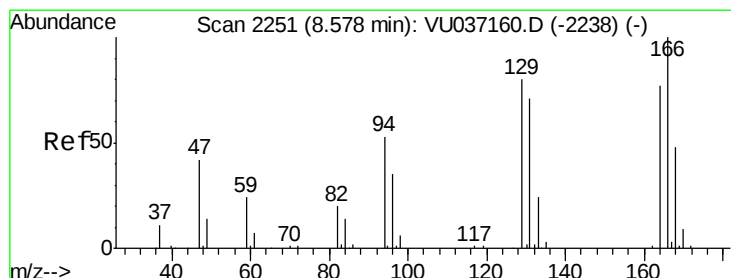
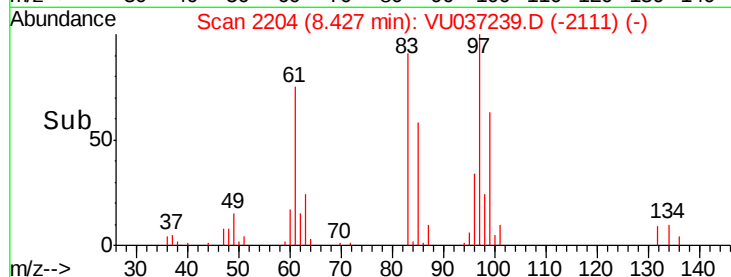
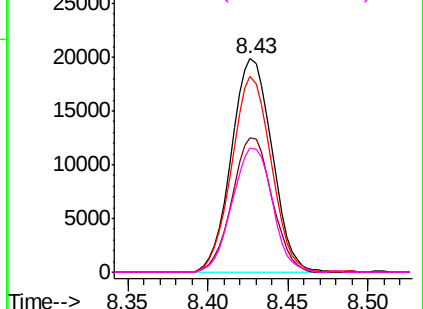
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

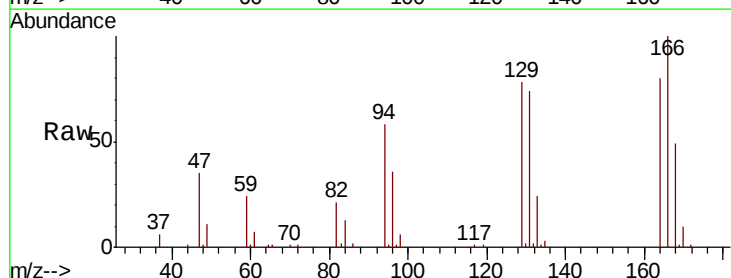
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
Tetrachloroethene
Concen: 5.134 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. -0.00 min
Lab File: VU037239.D
Acq: 13 Mar 2020 13:31

Tgt Ion:	164	Resp:	39942
Ion	Ratio	Lower	Upper
164	100		
129	97.2	69.8	129.6
131	92.9	66.1	122.8
166	125.3	88.1	163.5



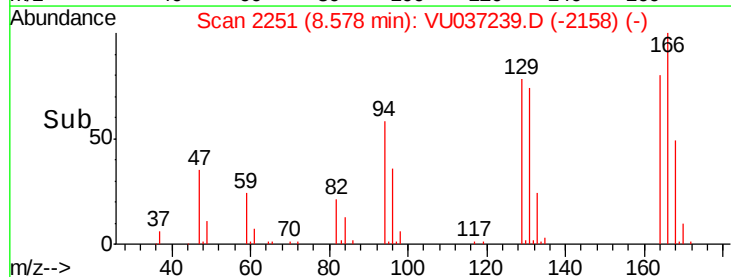
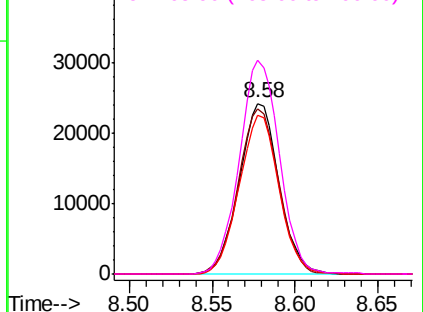
Abundance

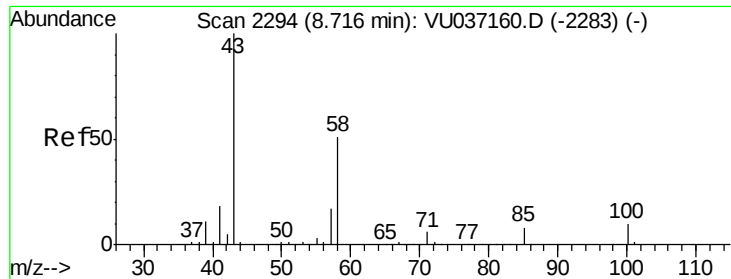
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

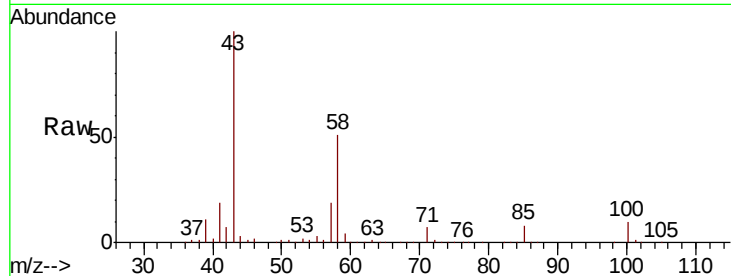




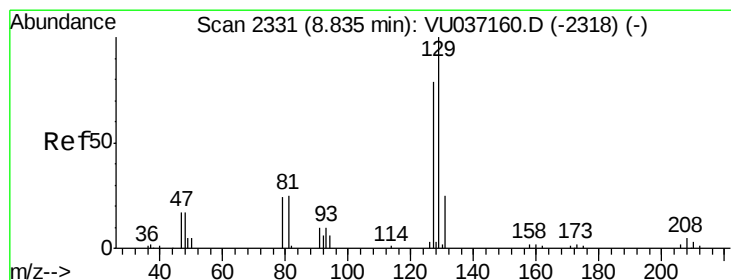
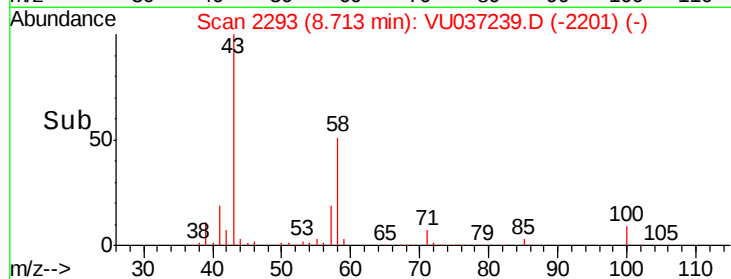
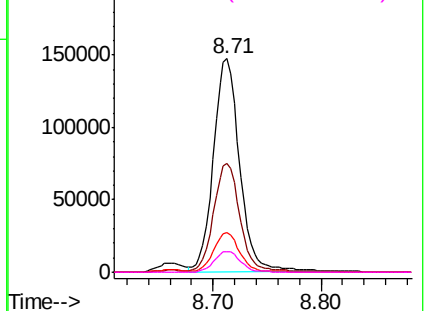
#48
2-Hexanone
Concen: 51.676 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VU037239.D
Acq: 13 Mar 2020 13:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 248545
Ion Ratio Lower Upper
43 100
58 50.9 38.6 58.0
57 18.1 13.6 20.4
100 10.0 7.4 11.2

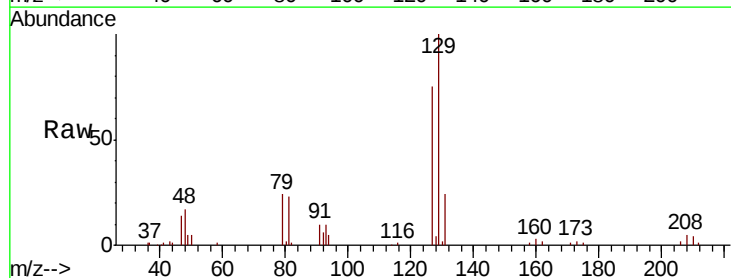


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

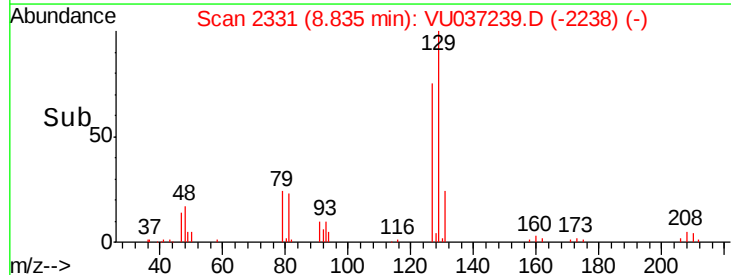
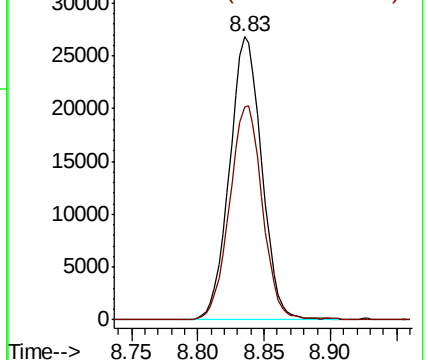


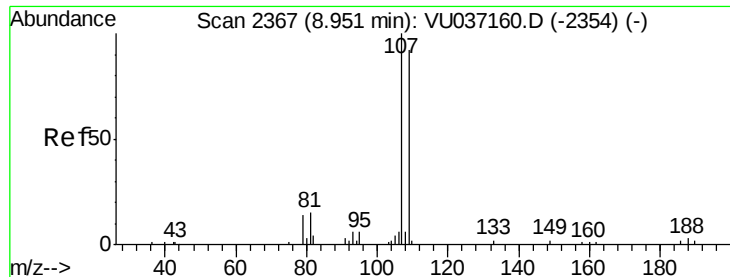
#49
Dibromochloromethane
Concen: 5.344 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU037239.D
Acq: 13 Mar 2020 13:31

Tgt Ion: 129 Resp: 45271
Ion Ratio Lower Upper
129 100
127 75.2 54.9 102.1



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

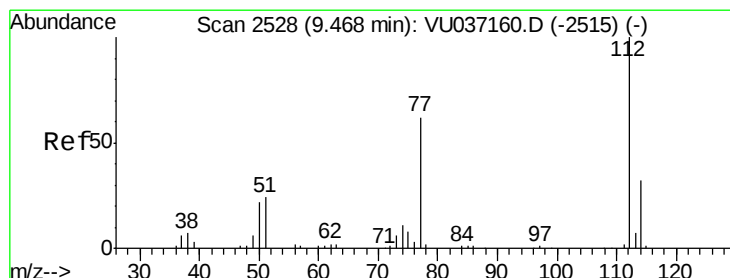
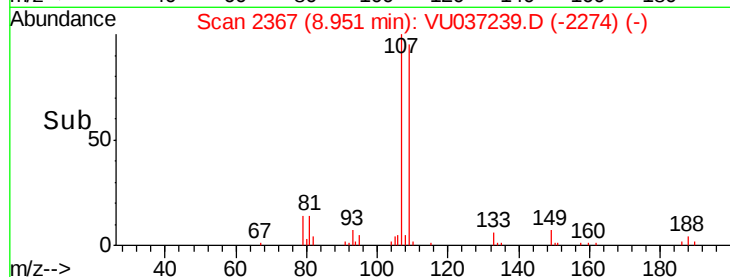
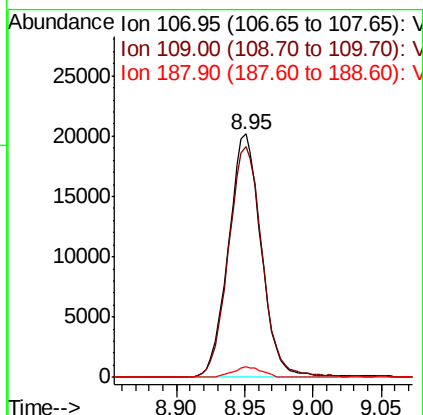
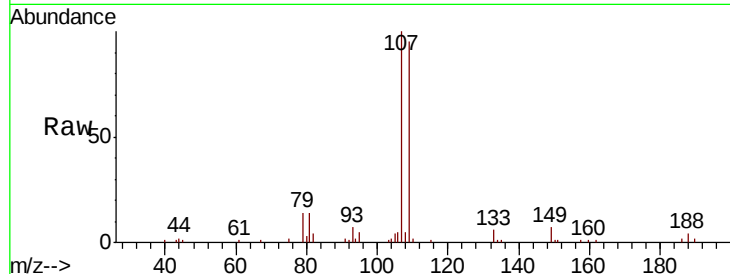




#50
1,2-Dibromoethane
Concen: 5.040 ug/L
RT: 8.95 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VU037239.D
Acq: 13 Mar 2020 13:31

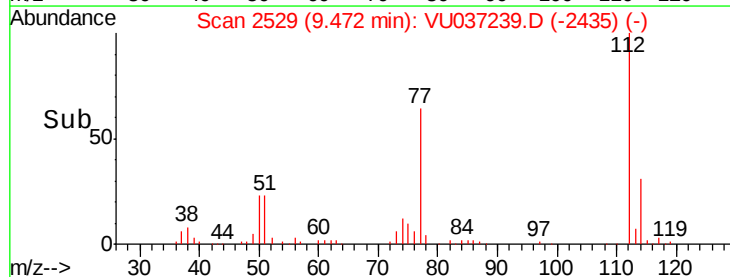
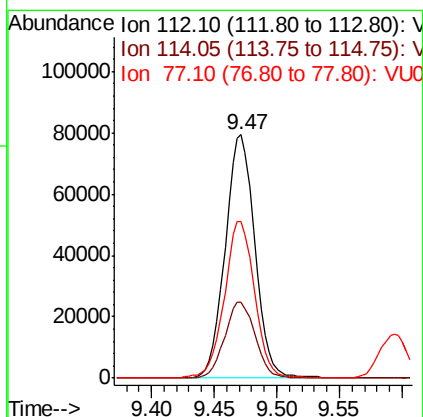
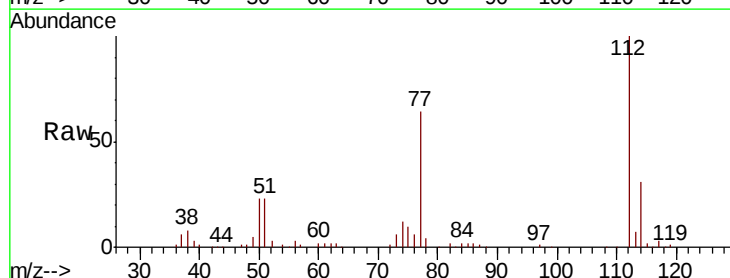
Instrument :
MSVOA_U
ClientSampled :

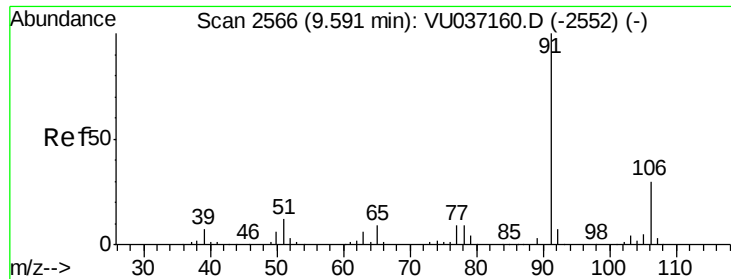
Tot Ion:107 Resp: 33617
Ion Ratio Lower Upper
107 100
109 94.6 68.2 126.6
188 4.1 2.0 3.0#



#51
Chlorobenzene
Concen: 5.090 ug/L
RT: 9.47 min Scan# 2529
Delta R.T. 0.00 min
Lab File: VU037239.D
Acq: 13 Mar 2020 13:31

Tgt Ion:112 Resp: 130341
Ion Ratio Lower Upper
112 100
114 31.3 22.0 40.8
77 64.2 49.4 74.2





#52

Ethylbenzene

Concen: 5.347 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

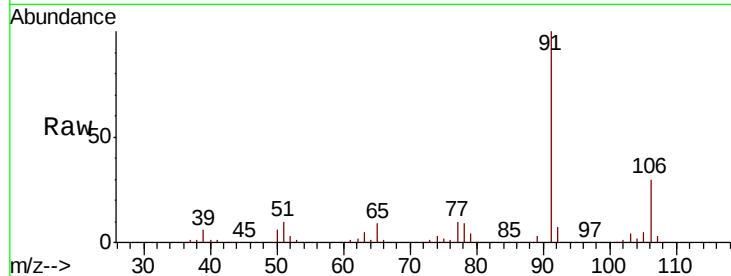
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 235148

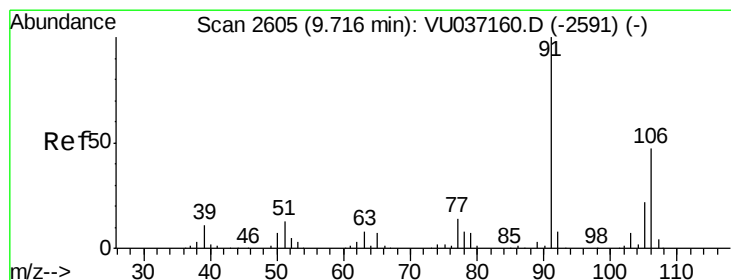
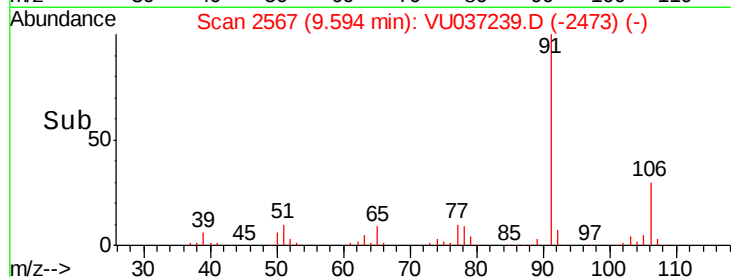
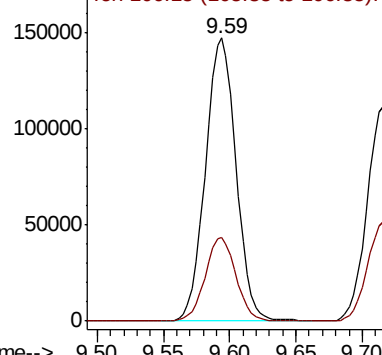
Ion Ratio Lower Upper

91 100

106 29.5 20.4 37.8



Abundance Ion 91.15 (90.85 to 91.85): VU037160.D (-2552) (-)



#53

m,p-Xylene

Concen: 5.532 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU037239.D

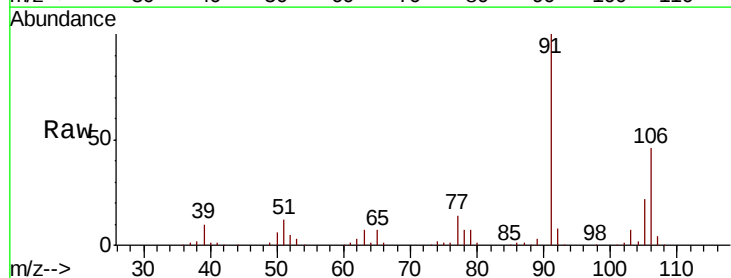
Acq: 13 Mar 2020 13:31

Tgt Ion:106 Resp: 87462

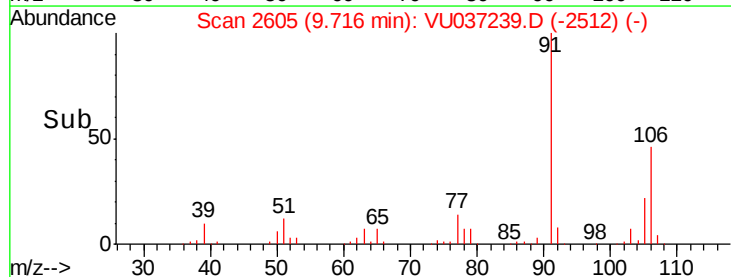
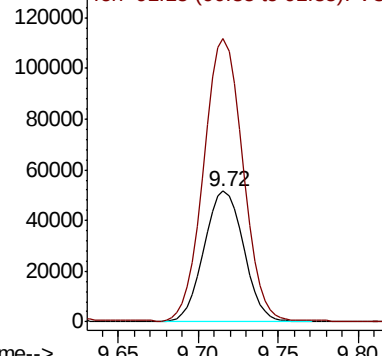
Ion Ratio Lower Upper

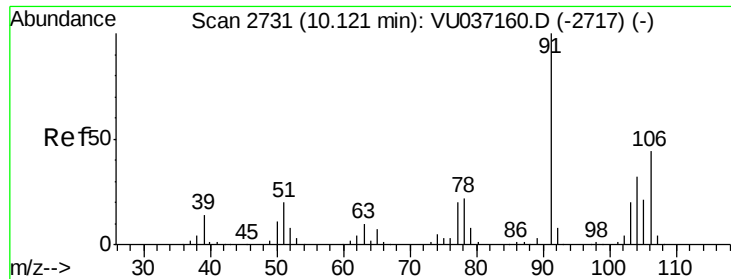
106 100

91 216.2 150.4 279.4



Abundance Ion 106.15 (105.85 to 106.85): VU037160.D (-2591) (-)

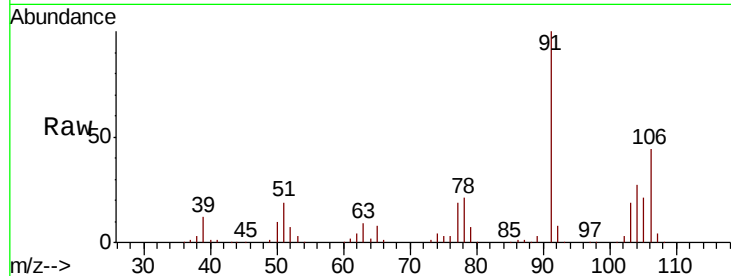




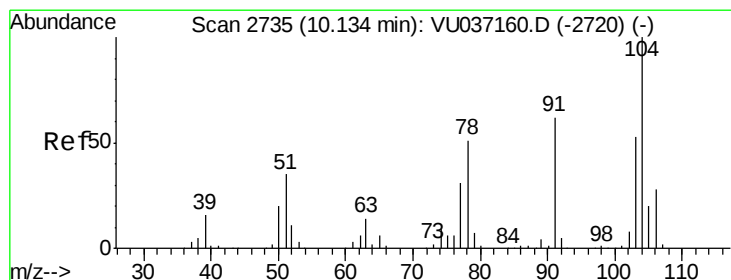
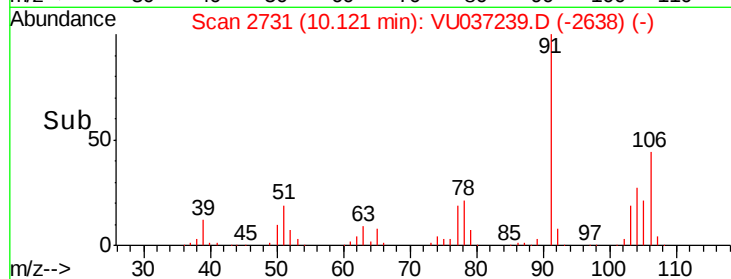
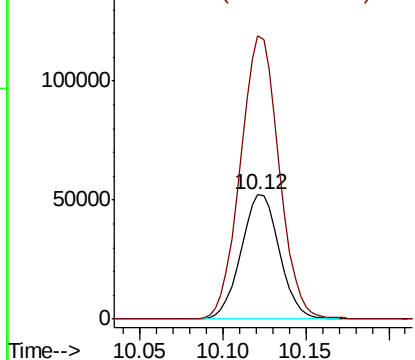
#54
o-Xylene
Concen: 5.466 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037239.D
Acq: 13 Mar 2020 13:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 84258
Ion Ratio Lower Upper
106 100
91 228.1 160.6 298.2

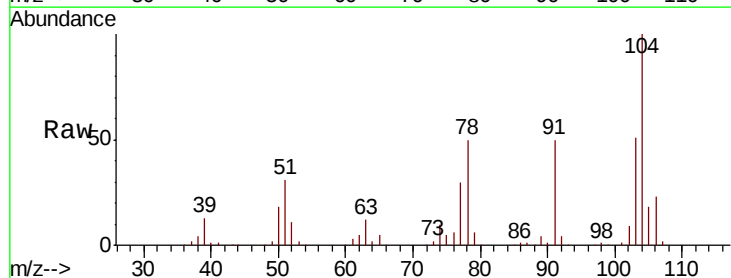


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

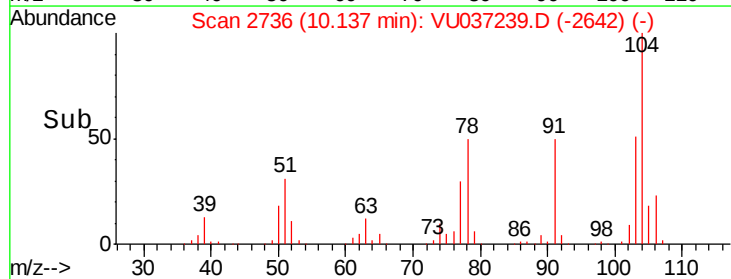
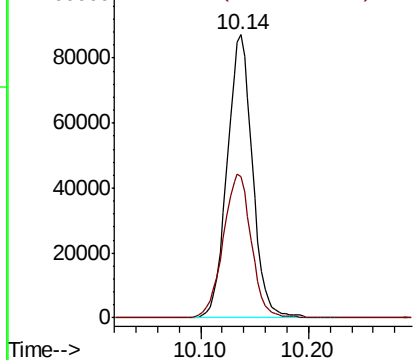


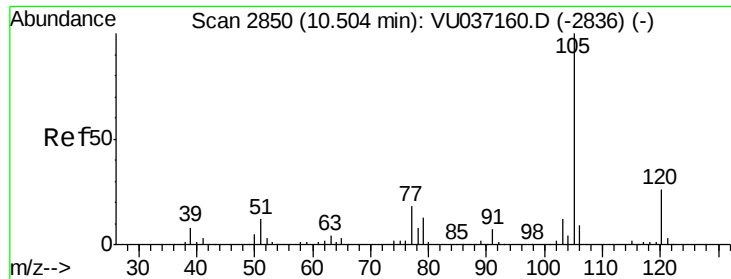
#55
Styrene
Concen: 5.646 ug/L
RT: 10.14 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VU037239.D
Acq: 13 Mar 2020 13:31

Tgt Ion:104 Resp: 142717
Ion Ratio Lower Upper
104 100
78 50.1 36.2 67.2



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





#56

Isopropylbenzene

Concen: 5.526 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037239.D

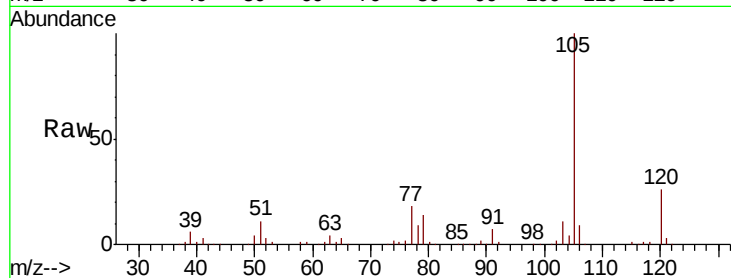
Acq: 13 Mar 2020 13:31

Instrument :

MSVOA_U

ClientSampleId :

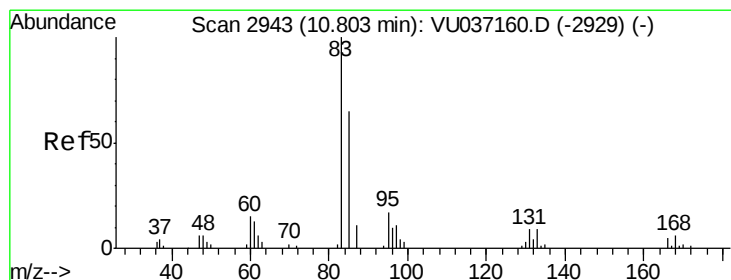
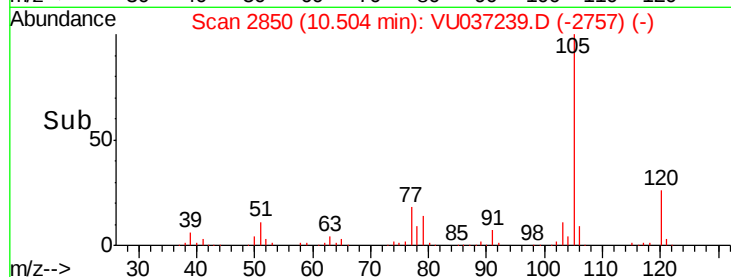
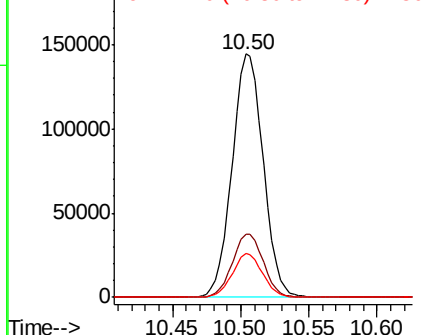
Tot Ion:	105	Resp:	228577
Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.5	30.7
77	17.7	14.2	21.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.336 ug/L

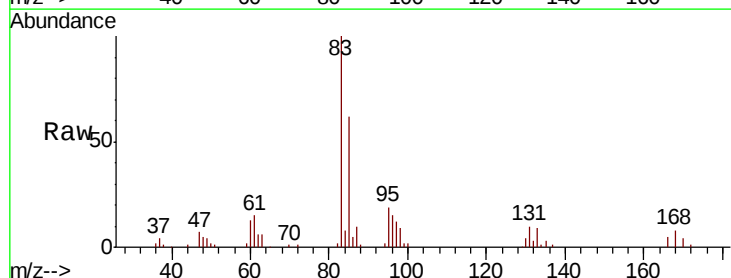
RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

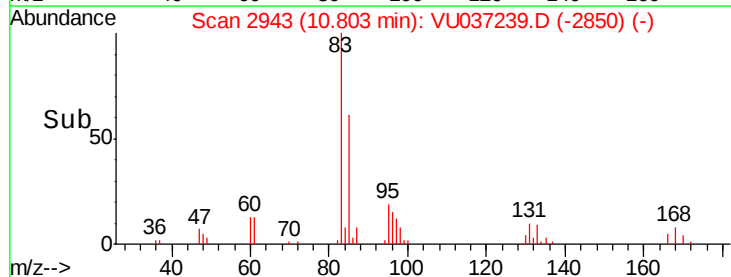
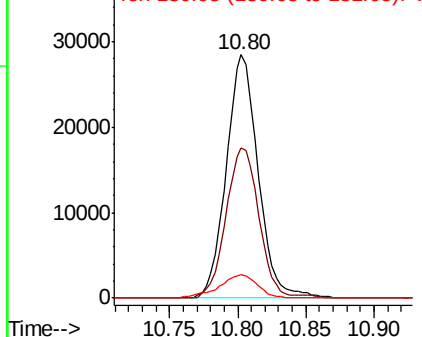
Tgt Ion:	83	Resp:	46351
Ion	Ratio	Lower	Upper
83	100		
85	61.8	43.0	80.0
131	9.6	8.2	12.2

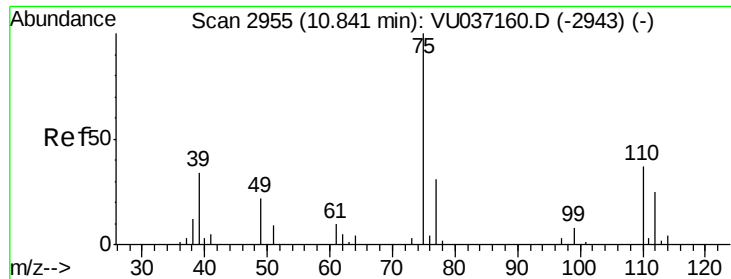


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.943 ug/L

RT: 10.84 min Scan# 2956

Delta R.T. 0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

Instrument :

MSVOA_U

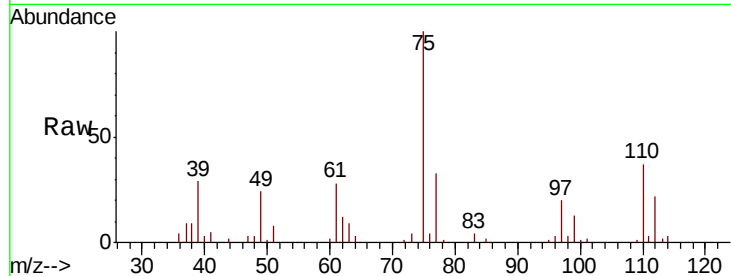
ClientSampled :

Tot Ion: 75 Resp: 34485

Ion Ratio Lower Upper

75 100

77 32.5 27.4 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU037160.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU037160.D (-2943) (-)

10.84

25000

20000

15000

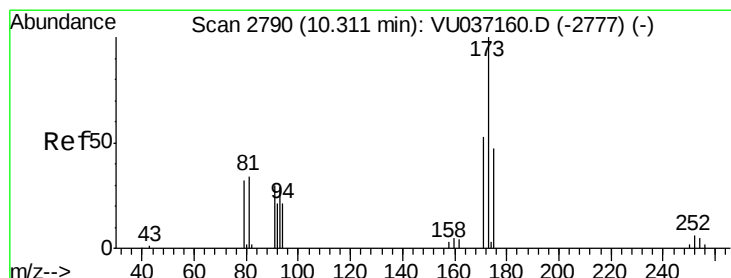
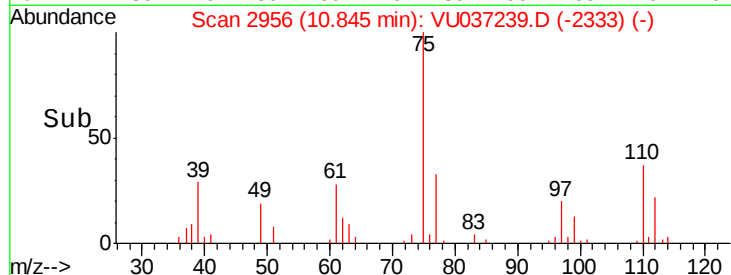
10000

5000

0

Time-->

10.80 10.85 10.90



#61

Bromoform

Concen: 5.316 ug/L

RT: 10.31 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

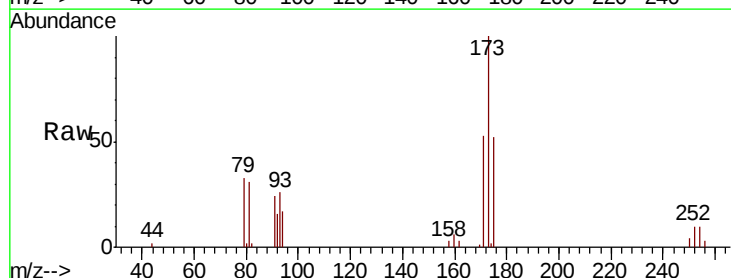
Tgt Ion: 173 Resp: 26509

Ion Ratio Lower Upper

173 100

175 49.7 37.4 56.2

254 9.4 3.5 5.3#



Abundance Ion 172.90 (172.60 to 173.60): VU037160.D (-2777) (-)

Ion 174.90 (174.60 to 175.60): VU037160.D (-2777) (-)

Ion 253.75 (253.45 to 254.45): VU037160.D (-2777) (-)

10.31

20000

15000

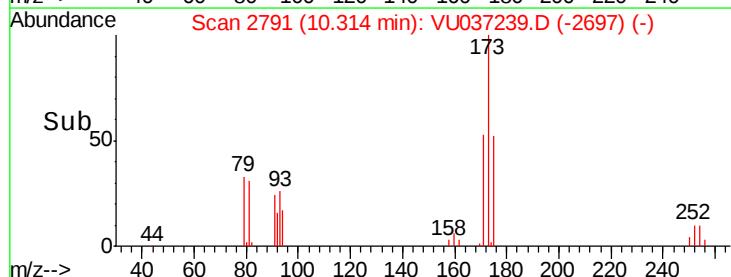
10000

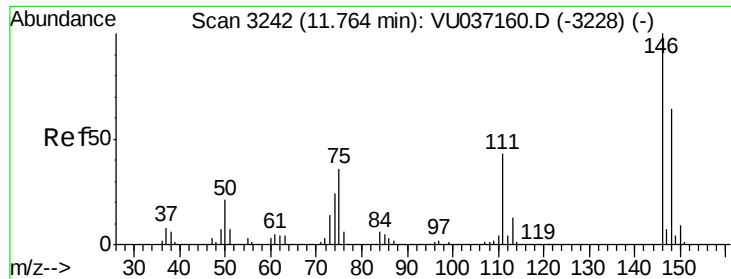
5000

0

Time-->

10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 5.013 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. -0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

Instrument :

MSVOA_U

ClientSampleId :

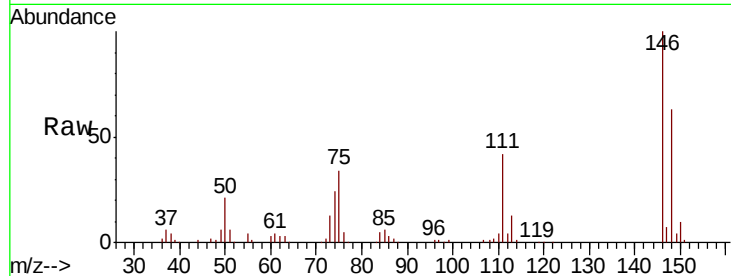
Tot Ion:146 Resp: 107371

Ion Ratio Lower Upper

146 100

111 42.2 30.6 56.8

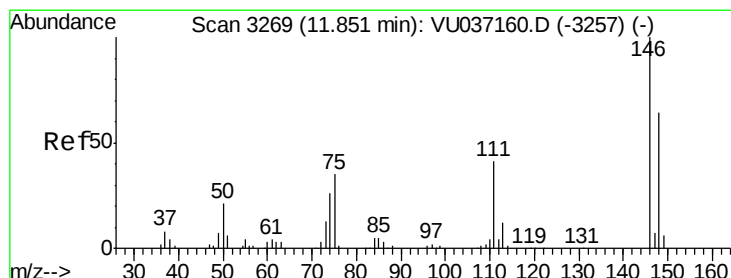
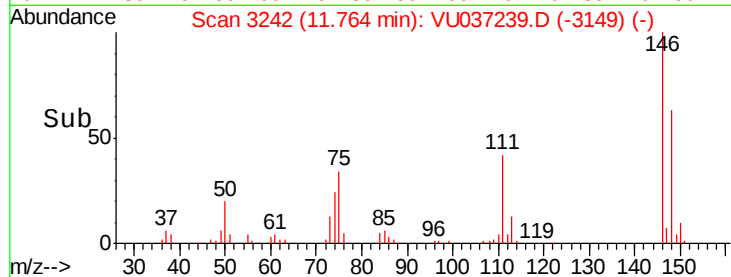
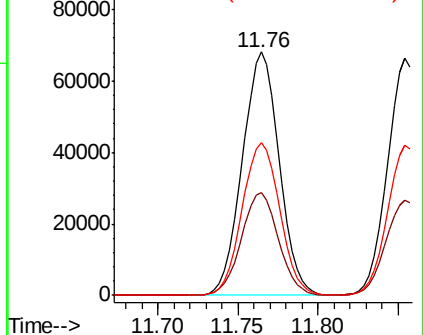
148 62.6 46.2 85.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.951 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

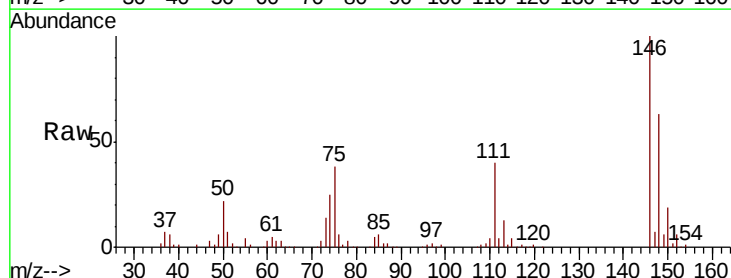
Tgt Ion:146 Resp: 105303

Ion Ratio Lower Upper

146 100

111 40.2 28.4 52.8

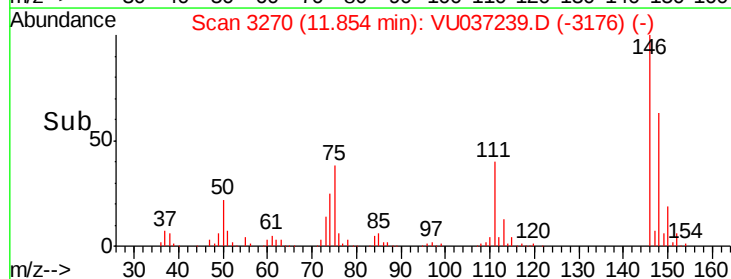
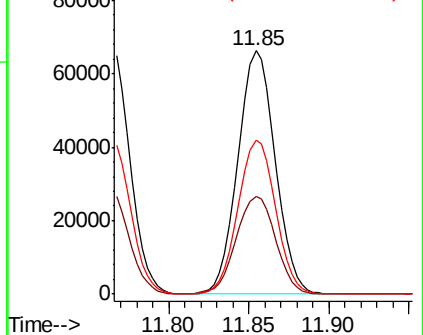
148 63.3 44.9 83.5

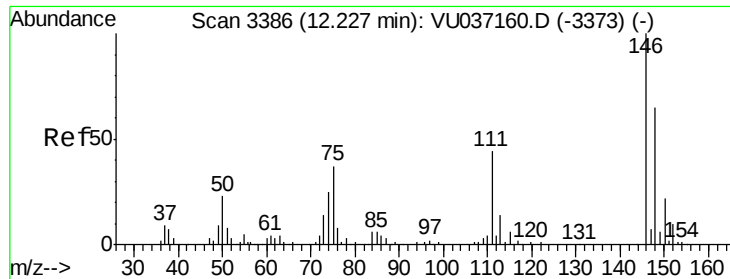


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.030 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

Instrument :

MSVOA_U

ClientSampled :

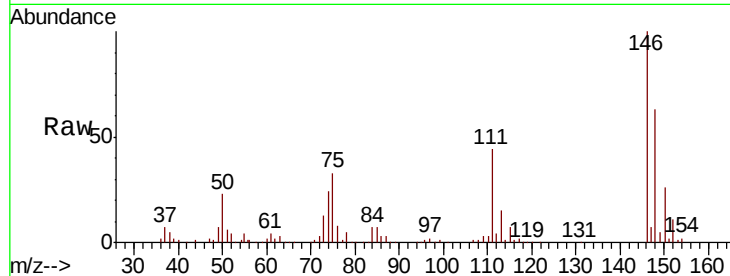
Tot Ion:146 Resp: 102126

Ion Ratio Lower Upper

146 100

111 43.7 35.5 53.3

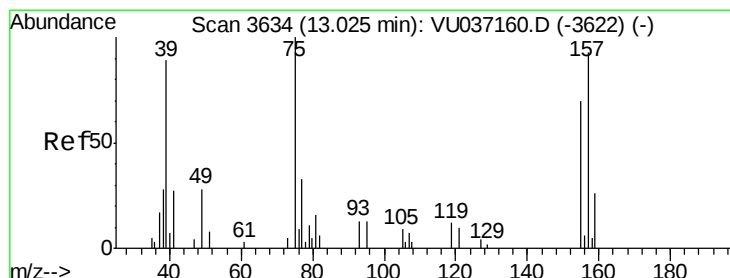
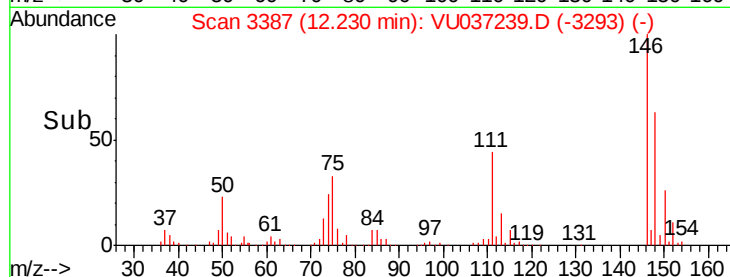
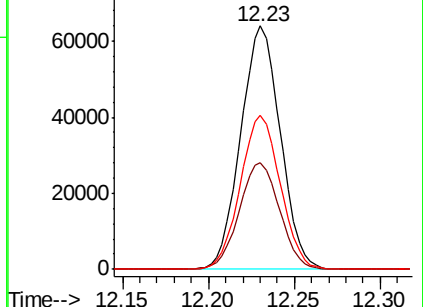
148 63.0 51.4 77.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.030 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

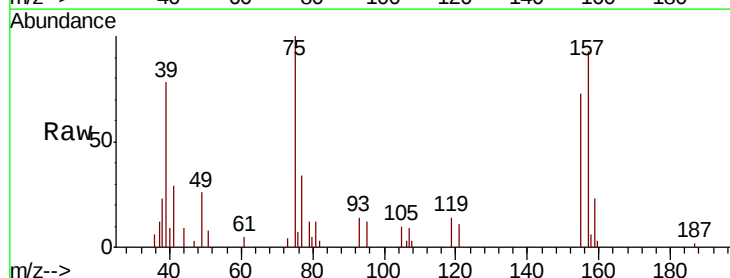
Tgt Ion: 75 Resp: 7841

Ion Ratio Lower Upper

75 100

155 72.8 55.5 83.3

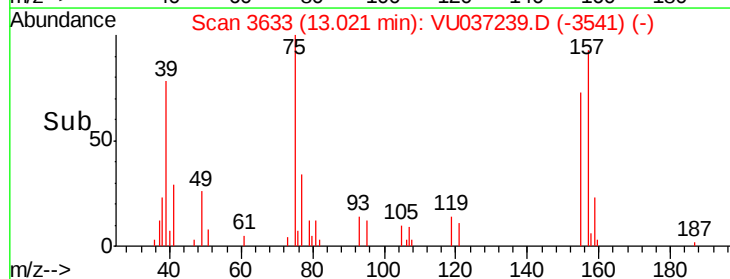
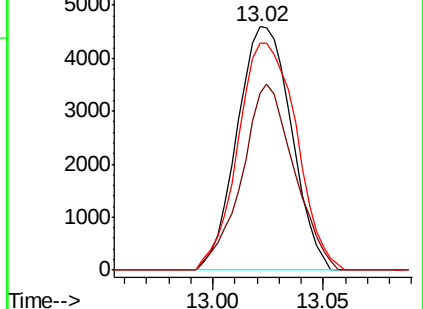
157 93.3 73.1 109.7

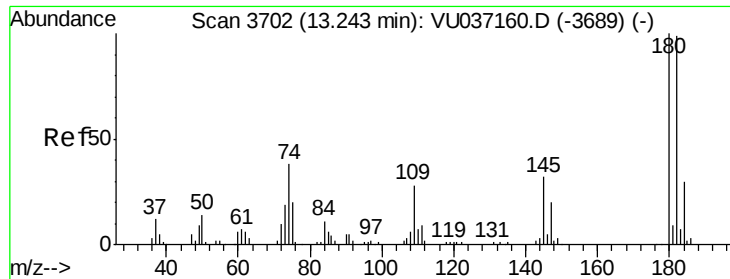


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

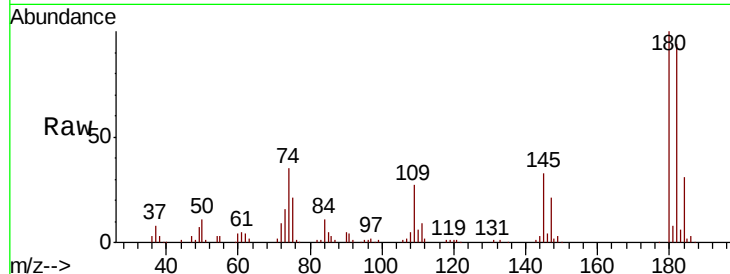




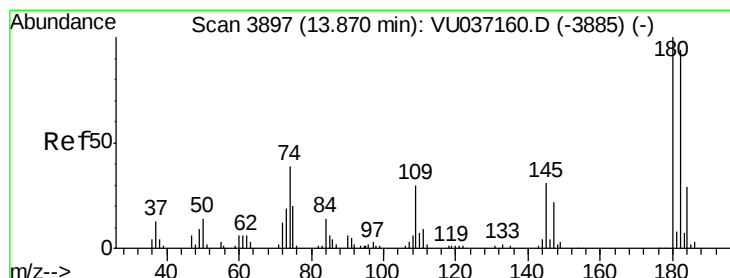
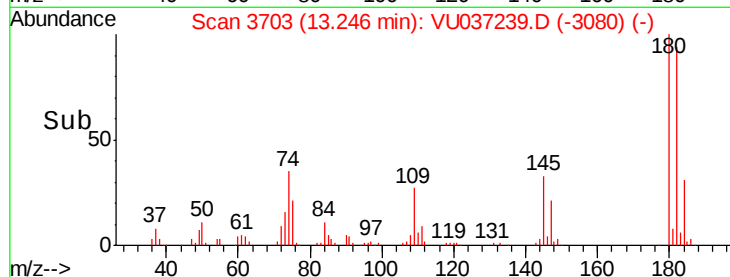
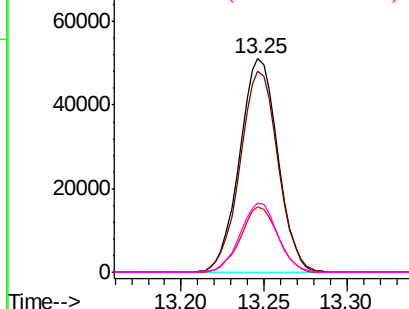
#67
 1,3,5-Trichlorobenzene
 Concen: 5.574 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU037239.D
 Acq: 13 Mar 2020 13:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 81720
 Ion Ratio Lower Upper
 180 100
 182 93.9 73.6 110.4
 184 30.0 24.1 36.1
 145 31.9 26.3 39.5

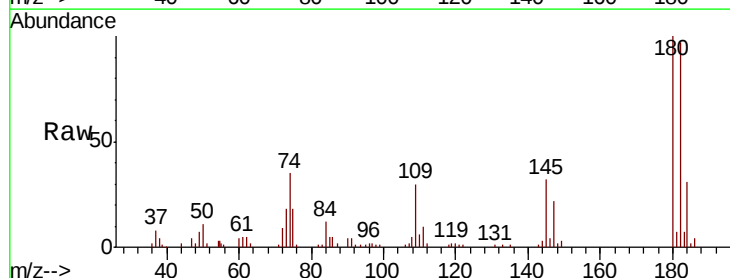


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

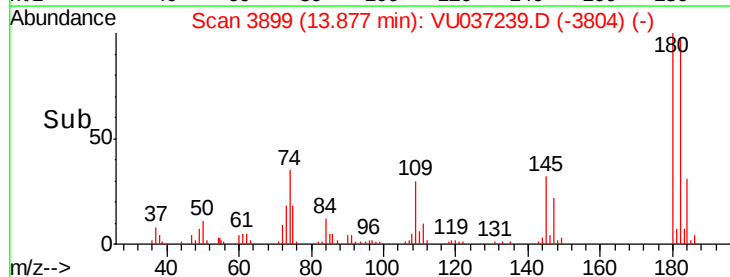
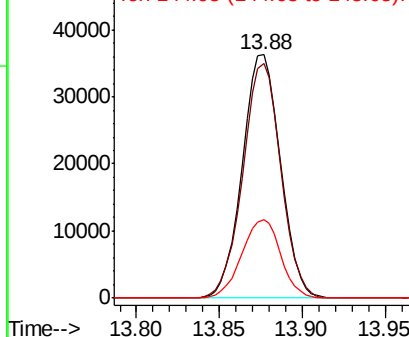


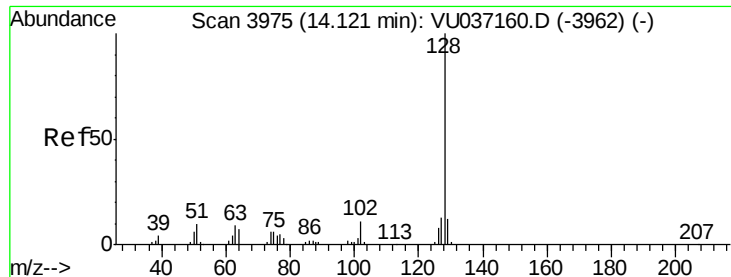
#68
 1,2,4-trichlorobenzene
 Concen: 5.866 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.01 min
 Lab File: VU037239.D
 Acq: 13 Mar 2020 13:31

Tgt Ion:180 Resp: 58314
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.7 115.1
 145 32.7 26.6 39.8



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





#69

Naphthalene

Concen: 5.830 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

Instrument :

MSVOA_U

ClientSampleId :

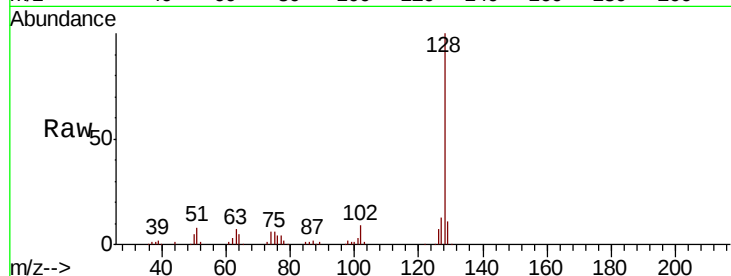
Tot Ion:128 Resp: 82798

Ion Ratio Lower Upper

128 100

129 10.3 8.6 12.8

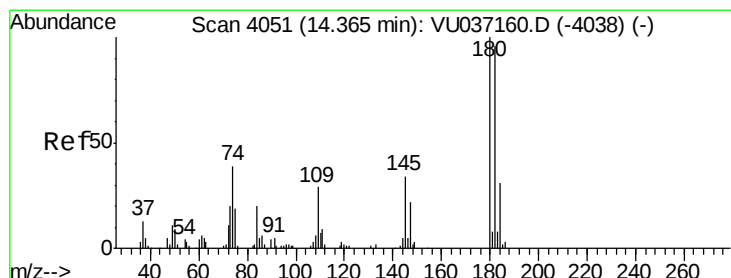
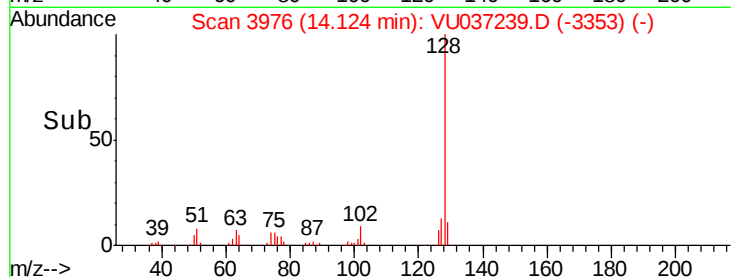
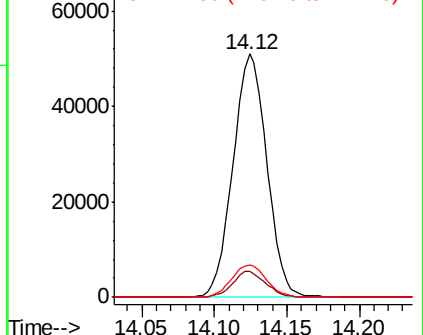
127 13.7 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.785 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.00 min

Lab File: VU037239.D

Acq: 13 Mar 2020 13:31

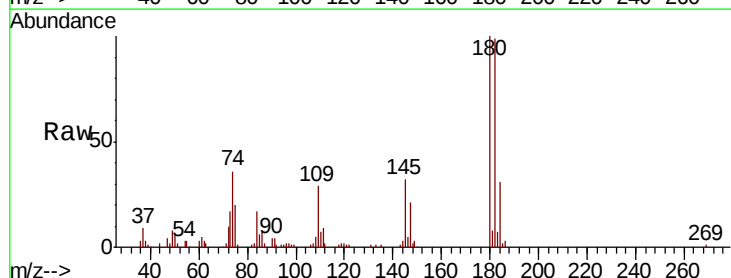
Tgt Ion:180 Resp: 53971

Ion Ratio Lower Upper

180 100

182 98.7 77.0 115.6

145 33.5 28.2 42.4



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

