

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032020\
 Data File : VU037358.D
 Acq On : 20 Mar 2020 21:01
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 21 00:42:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 21 00:40:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	146426	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	143367	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	73068	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	47609	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.93	69	39565	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.59	63	89949	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.60%
20) 2-Butanone-d5	4.68	46	118638	51.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.98%
24) Chloroform-d	5.11	84	100411	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.74	65	55985	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.76	84	175004	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.72	67	55159	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.93	98	171984	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	8.20	79	25703	5.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.80%
46) 2-Hexanone-d5	8.66	63	103617	55.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.82%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	48286	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	65659	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	74902	4.610	ug/L 100
3) Chloromethane	1.53	50	76487	4.668	ug/L 99
5) Vinyl chloride	1.62	62	70012	4.826	ug/L 97
6) Bromomethane	1.87	94	30660	5.269	ug/L 98
8) Chloroethane	1.95	64	38663	4.808	ug/L 97
9) Trichlorofluoromethane	2.16	101	102325	4.642	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	48096	4.707	ug/L 98
12) 1,1-Dichloroethene	2.60	96	44754	4.728	ug/L 94
13) Acetone	2.67	43	79625	49.235	ug/L 93
14) Carbon disulfide	2.82	76	152823	4.682	ug/L 99
15) Methyl Acetate	2.99	43	21071	4.936	ug/L 94
16) Methylene chloride	3.08	84	51362	4.915	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	124517	4.976	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	47707	4.744	ug/L 98
19) 1,1-Dichloroethane	3.91	63	95433	4.939	ug/L 99
21) 2-Butanone	4.76	43	139235	50.834	ug/L 98
22) cis-1,2-Dichloroethene	4.71	96	51862	4.730	ug/L 97

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 21 00:42:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032020WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

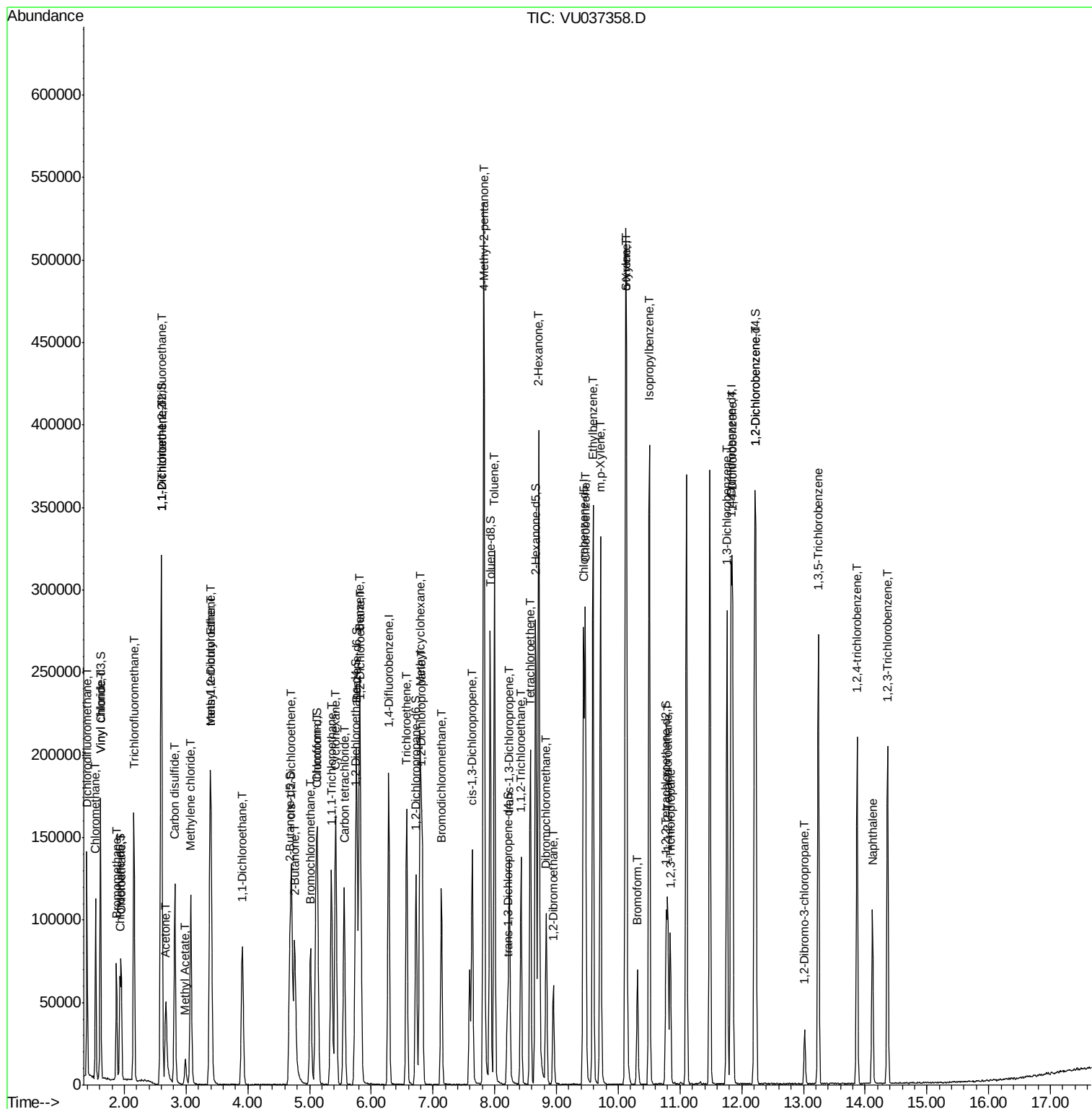
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	25569	5.076	ug/L	94
25) Chloroform	5.13	83	104599	4.867	ug/L	99
27) 1,2-Dichloroethane	5.83	62	74767	5.109	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	95134	4.965	ug/L	99
30) Cyclohexane	5.42	56	79134	4.861	ug/L	98
31) Carbon tetrachloride	5.56	117	80386	4.838	ug/L	99
33) Benzene	5.81	78	203011	4.954	ug/L	100
34) Trichloroethene	6.57	95	54678	4.855	ug/L	98
35) Methylcyclohexane	6.79	83	79033	4.737	ug/L	97
37) 1,2-Dichloropropane	6.83	63	54173	5.047	ug/L	98
38) Bromodichloromethane	7.14	83	74158	5.035	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	81286	5.111	ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	348935	51.846	ug/L	99
42) Toluene	8.00	91	222084	5.009	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	74845	5.150	ug/L	96
45) 1,1,2-Trichloroethane	8.43	97	39447	5.111	ug/L	95
47) Tetrachloroethene	8.58	164	42640	4.681	ug/L	95
48) 2-Hexanone	8.71	43	261696	54.571	ug/L	98
49) Dibromochloromethane	8.84	129	50972	5.048	ug/L	99
50) 1,2-Dibromoethane	8.95	107	38249	5.048	ug/L	98
51) Chlorobenzene	9.47	112	138115	4.807	ug/L	98
52) Ethylbenzene	9.59	91	240627	4.862	ug/L	100
53) m,p-Xylene	9.71	106	91292	5.056	ug/L	98
54) o-Xylene	10.12	106	87889	4.982	ug/L	96
55) Styrene	10.13	104	151347	5.148	ug/L	100
56) Isopropylbenzene	10.50	105	239796	4.928	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	49715	5.125	ug/L	95
59) 1,2,3-Trichloropropane	10.84	75	37729	5.242	ug/L	97
61) Bromoform	10.31	173	30498	4.972	ug/L	96
62) 1,3-Dichlorobenzene	11.76	146	111586	4.801	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	113081	4.813	ug/L	95
65) 1,2-Dichlorobenzene	12.23	146	109026	4.883	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	8450	4.921	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	83002	4.822	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	62840	4.983	ug/L	97
69) Naphthalene	14.12	128	83651	4.833	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	60548	5.079	ug/L	95

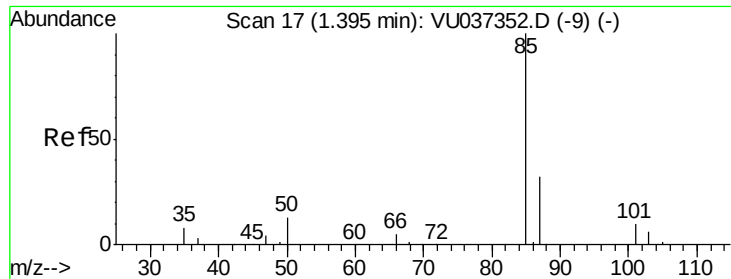
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032020\  
Data File : VU037358.D  
Acq On    : 20 Mar 2020   21:01  
Operator  : JC/MD  
Sample    : VSTDCCC005  
Misc      : 25.0mL/MSVOA U/WATER  
ALS Vial  : 17      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032020WMA.M
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.610 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

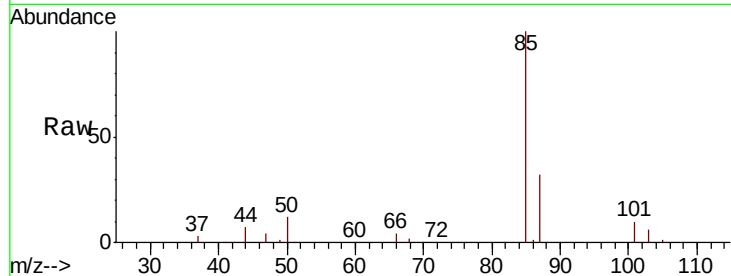
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 74902

Ion Ratio Lower Upper

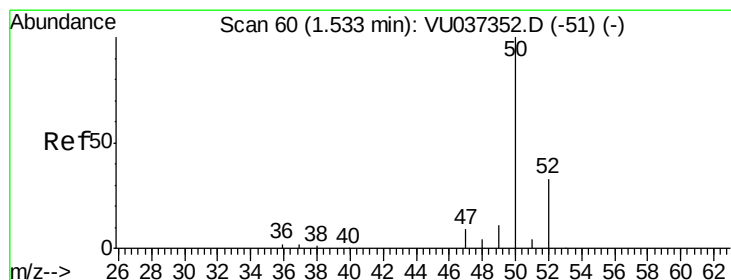
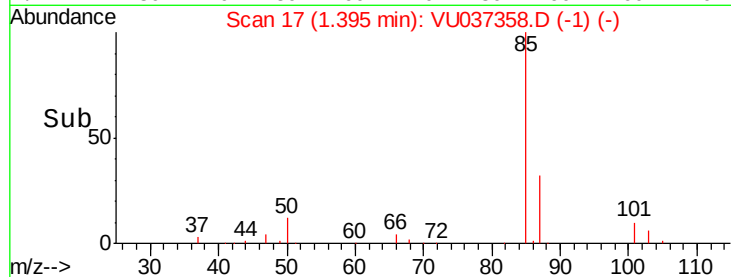
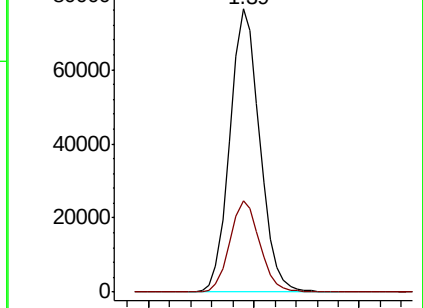
85 100

87 32.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU037352.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037352.D (-9) (-)



#3

Chloromethane

Concen: 4.668 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037358.D

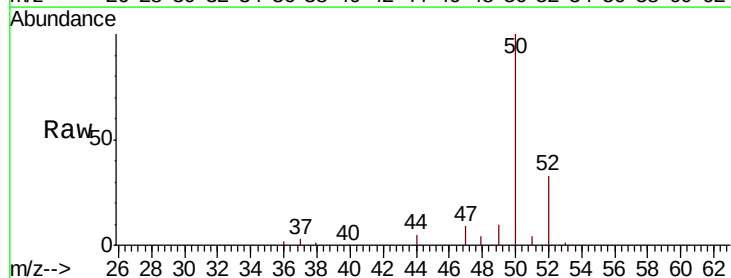
Acq: 20 Mar 2020 21:01

Tgt Ion: 50 Resp: 76487

Ion Ratio Lower Upper

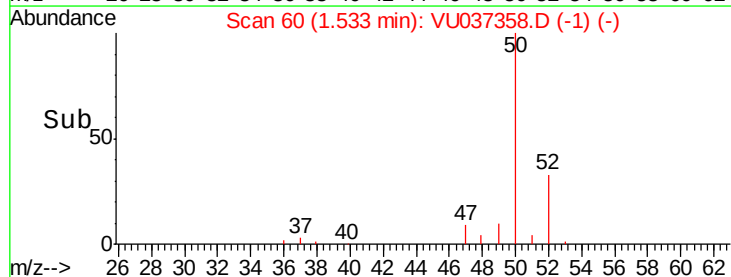
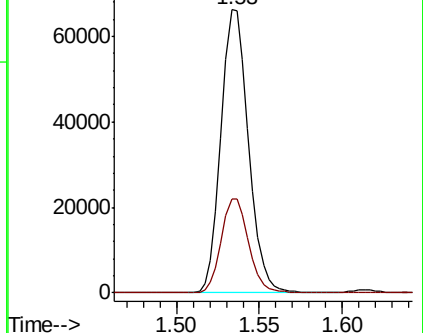
50 100

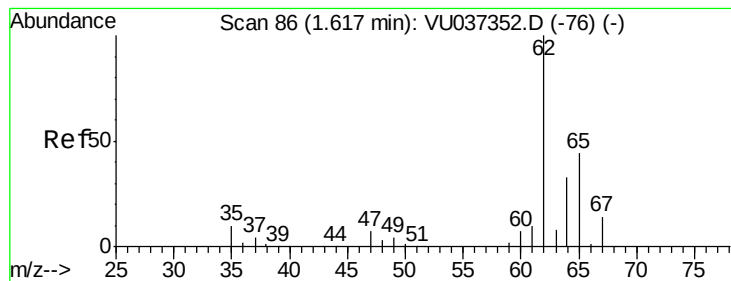
52 33.3 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU037352.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU037352.D (-51) (-)





#5

Vinyl chloride

Concen: 4.826 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

Instrument :

MSVOA_U

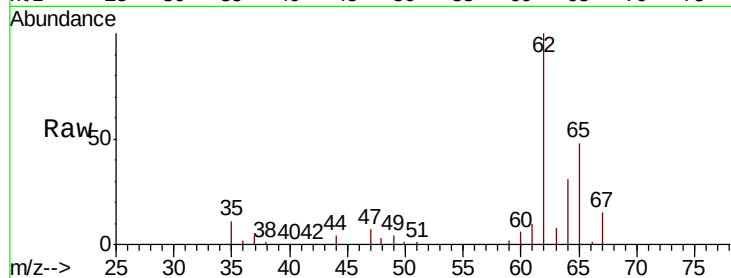
ClientSampleId :

Tot Ion: 62 Resp: 70012

Ion Ratio Lower Upper

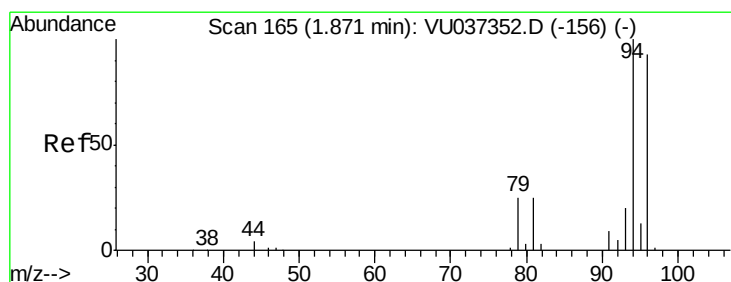
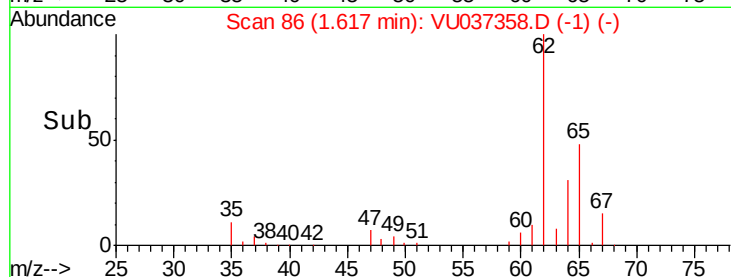
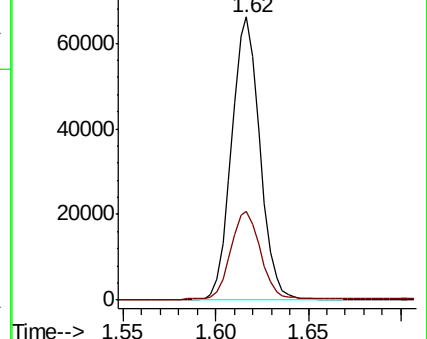
62 100

64 31.2 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU037352.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU037352.D (-76) (-)



#6

Bromomethane

Concen: 5.269 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037358.D

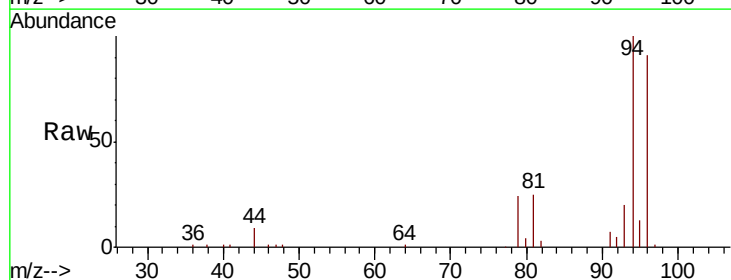
Acq: 20 Mar 2020 21:01

Tgt Ion: 94 Resp: 30660

Ion Ratio Lower Upper

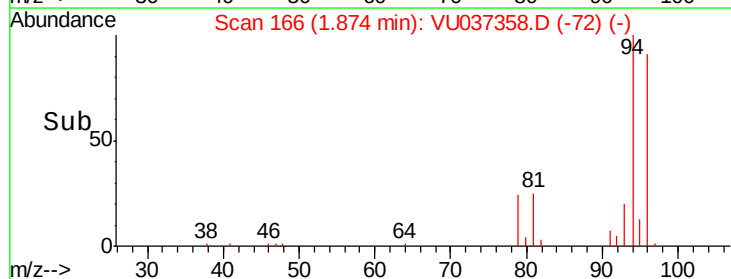
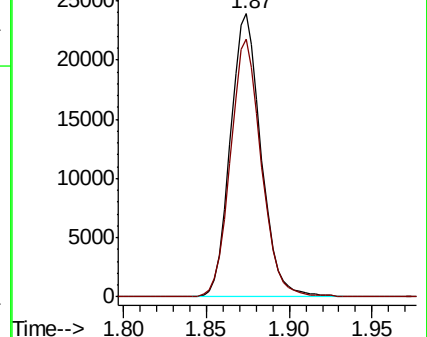
94 100

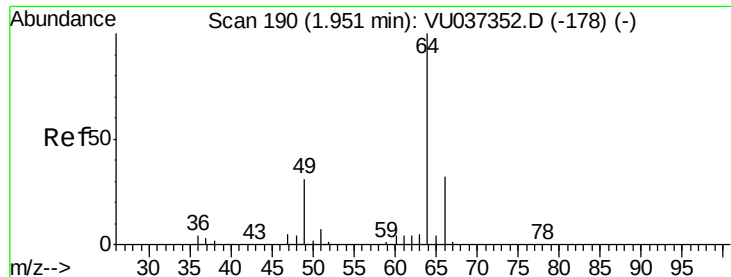
96 90.9 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU037352.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037352.D (-156) (-)

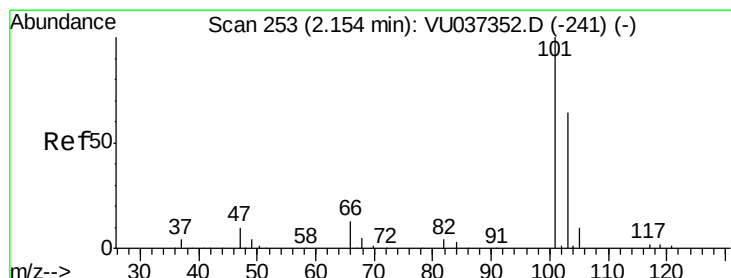
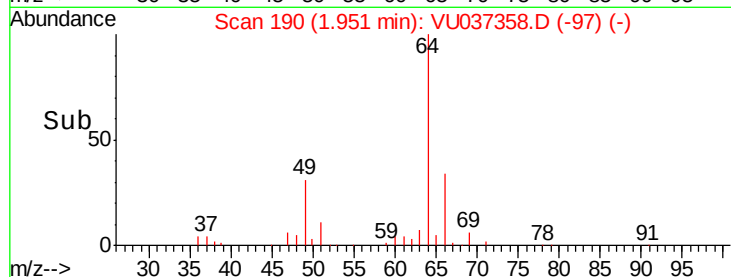
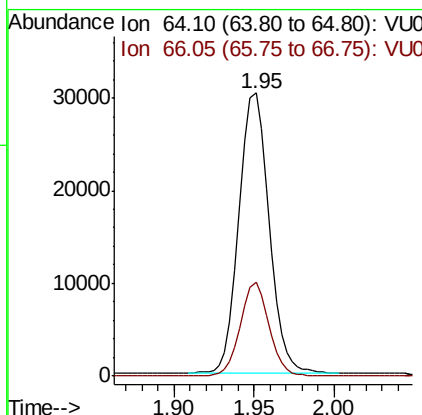
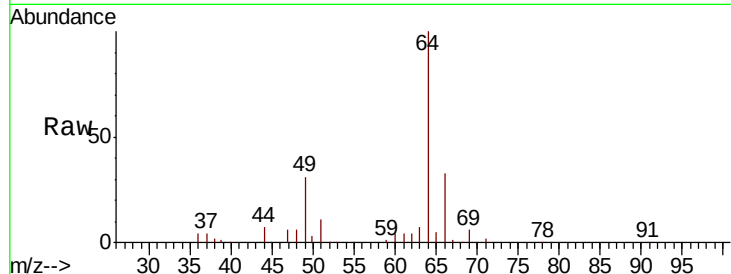




#8
Chloroethane
Concen: 4.808 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037358.D
Acq: 20 Mar 2020 21:01

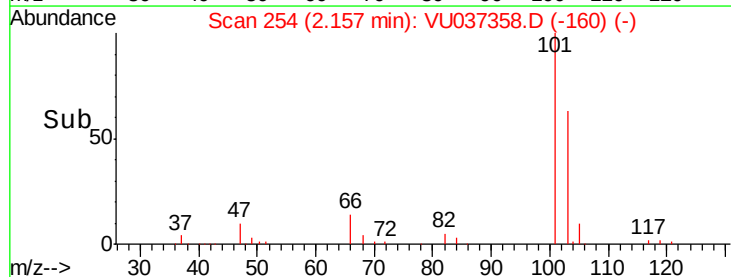
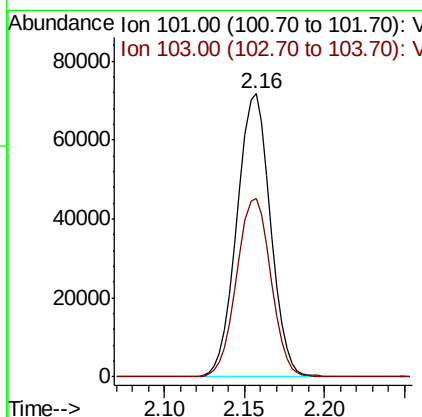
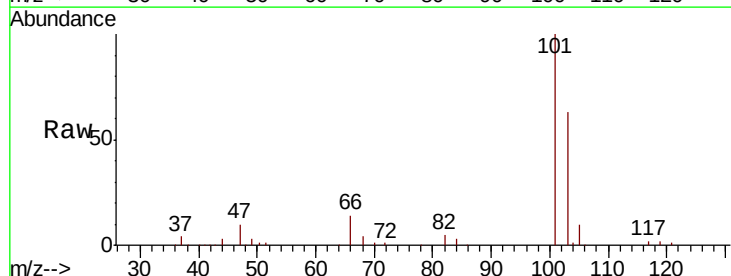
Instrument :
MSVOA_U
ClientSampleId :

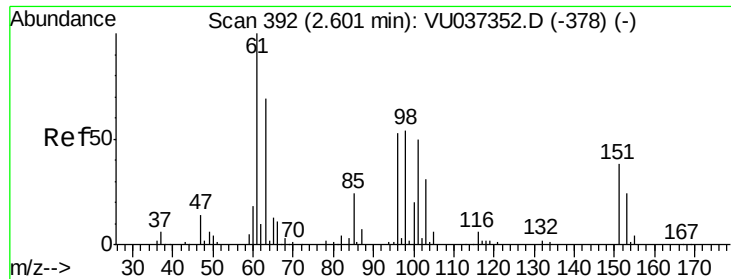
Tot Ion: 64 Resp: 38663
Ion Ratio Lower Upper
64 100
66 33.1 21.8 40.6



#9
Trichlorofluoromethane
Concen: 4.642 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037358.D
Acq: 20 Mar 2020 21:01

Tgt Ion:101 Resp: 102325
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.2





#10

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

Concen: 4.707 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

Instrument :

MSVOA_U

ClientSampleId :

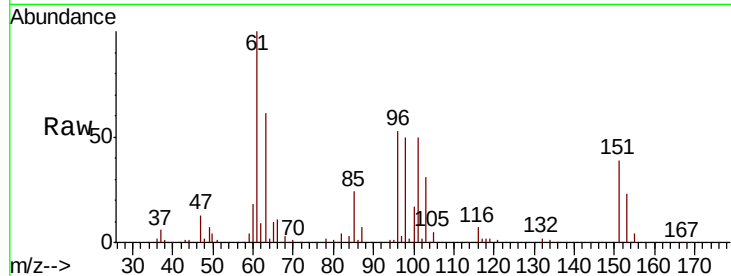
Tot Ion:101 Resp: 48096

Ion Ratio Lower Upper

101 100

85 46.8 39.0 58.4

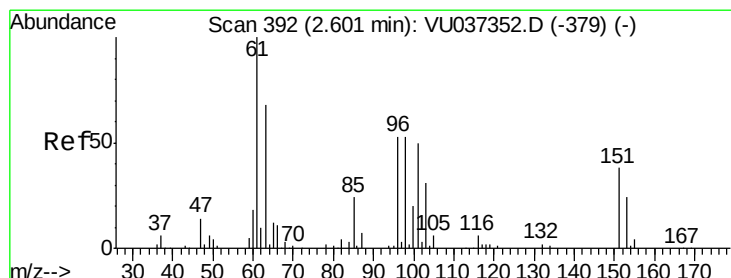
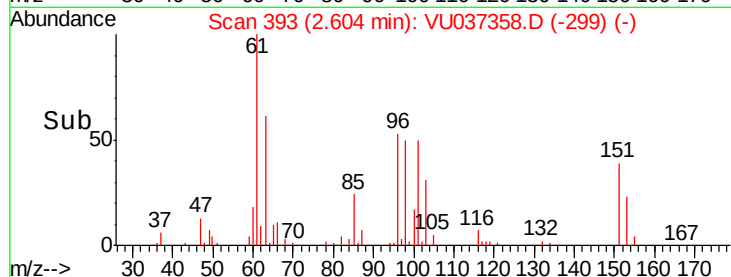
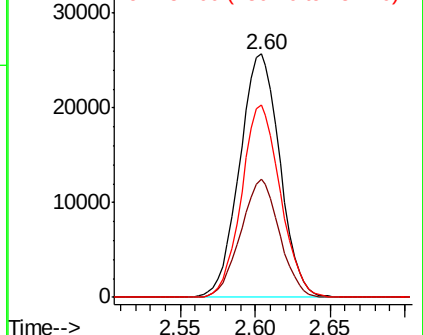
151 76.4 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.728 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

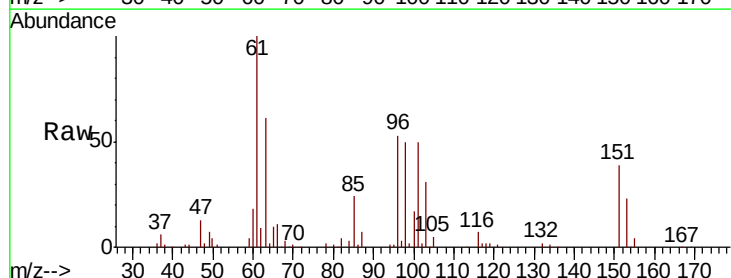
Tgt Ion: 96 Resp: 44754

Ion Ratio Lower Upper

96 100

61 187.6 131.7 244.5

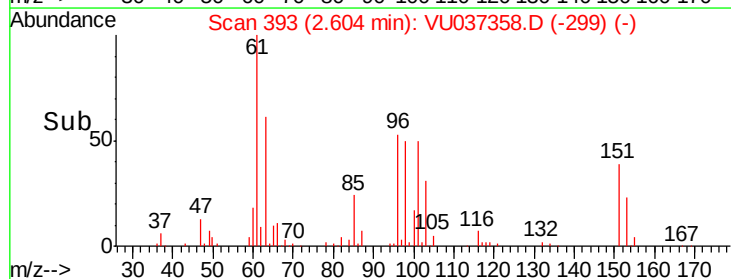
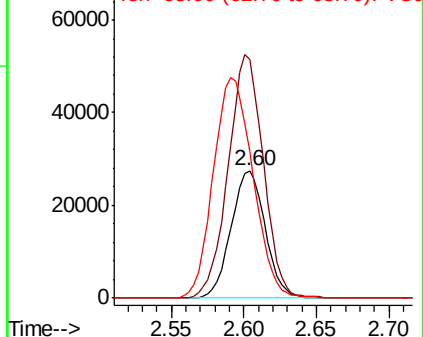
63 115.3 91.4 169.8

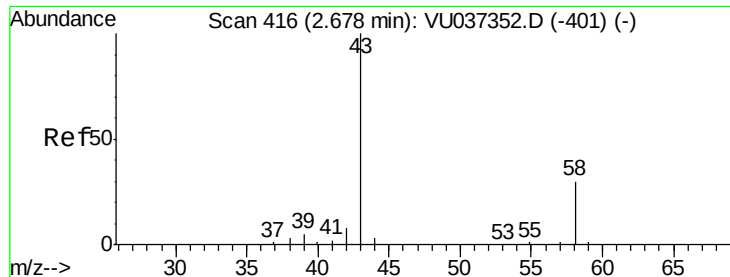


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.235 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

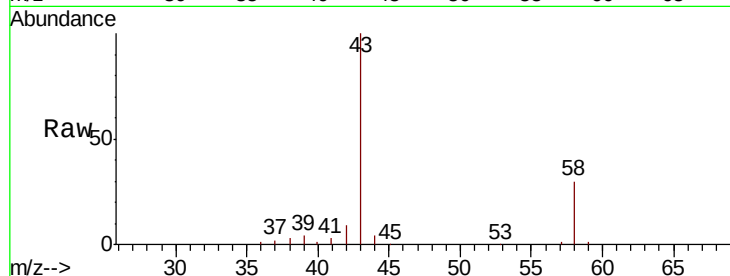
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 79625

Ion Ratio Lower Upper

43 100

58 30.0 0.0 52.4



Abundance Ion 43.05 (42.75 to 43.75): VU037352.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU037352.D (-401) (-)

2.67

30000

20000

10000

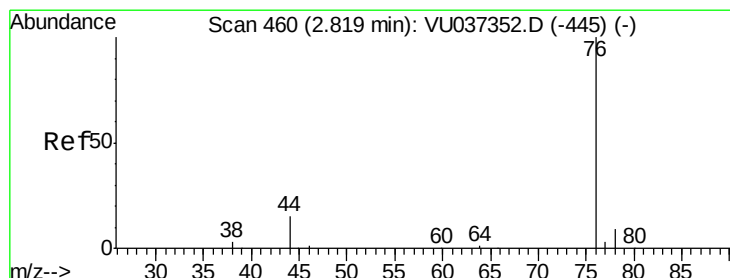
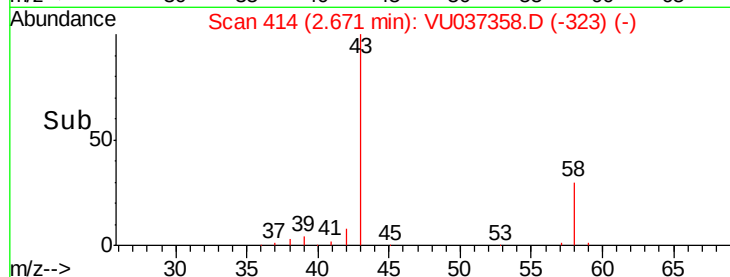
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Time-->

2.60

2.70

2.80



#14

Carbon disulfide

Concen: 4.682 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037358.D

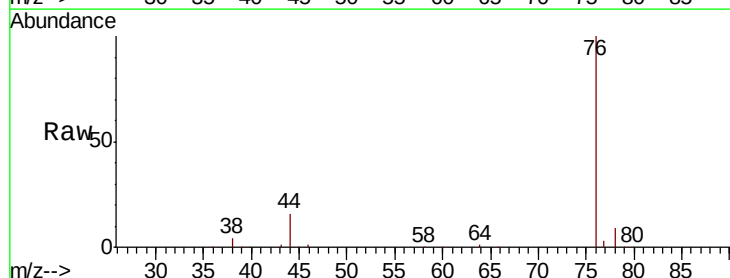
Acq: 20 Mar 2020 21:01

Tgt Ion: 76 Resp: 152823

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU037352.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU037352.D (-445) (-)

2.82

100000

80000

60000

40000

20000

0

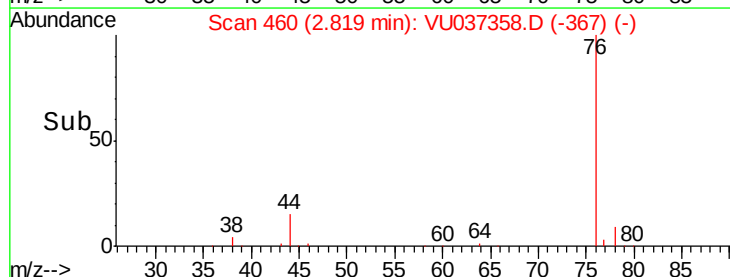
Time-->

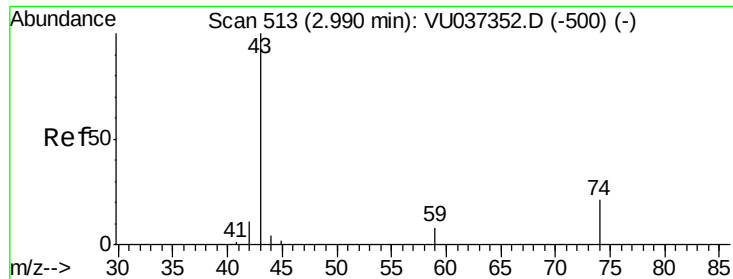
2.75

2.80

2.85

2.90

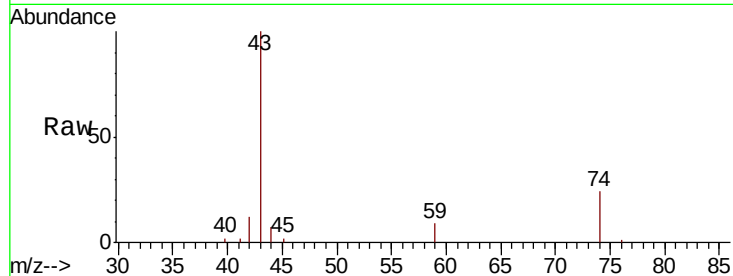




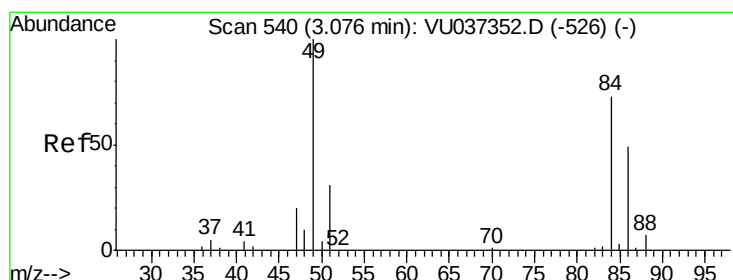
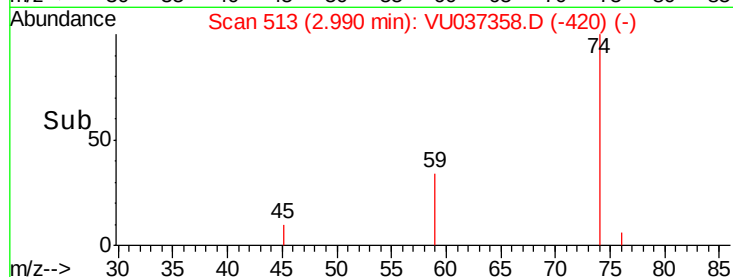
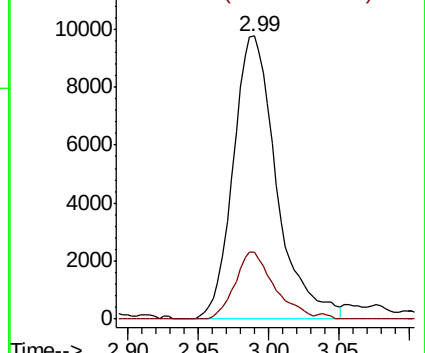
#15
Methvl Acetate
Concen: 4.936 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU037358.D
Acq: 20 Mar 2020 21:01

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 21071
Ion Ratio Lower Upper
43 100
74 21.4 19.5 29.3

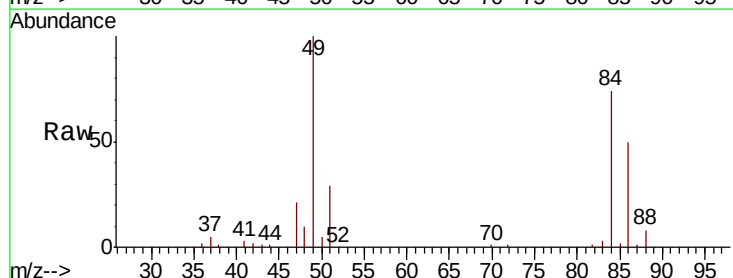


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 74.05 (73.75 to 74.75): VU0

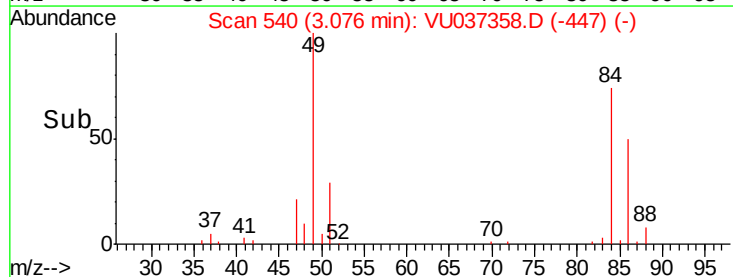
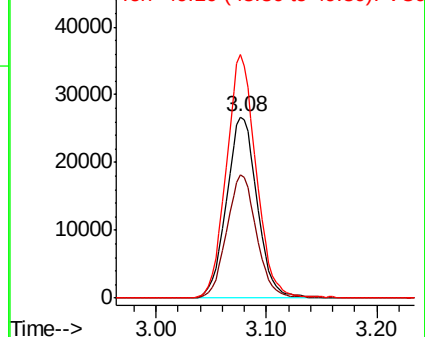


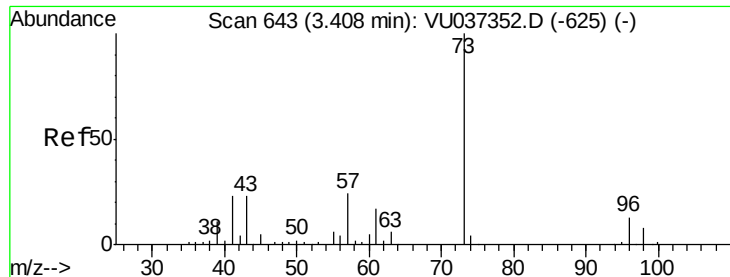
#16
Methylene chloride
Concen: 4.915 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037358.D
Acq: 20 Mar 2020 21:01

Tgt Ion: 84 Resp: 51362
Ion Ratio Lower Upper
84 100
86 67.7 46.8 87.0
49 134.3 95.4 177.2



Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

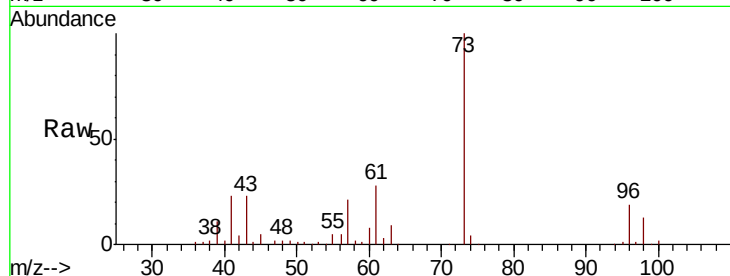




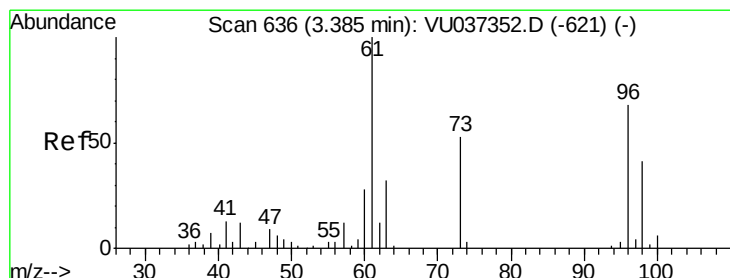
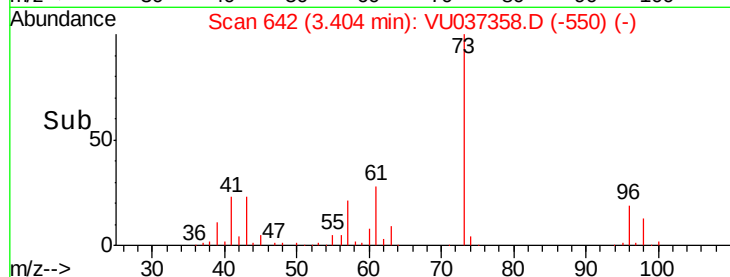
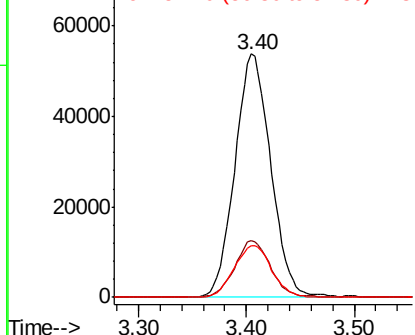
#17
Methyl tert-butyl Ether
Concen: 4.976 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU037358.D
Acq: 20 Mar 2020 21:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 124517
Ion Ratio Lower Upper
73 100
43 23.3 18.2 27.2
57 22.2 17.9 26.9

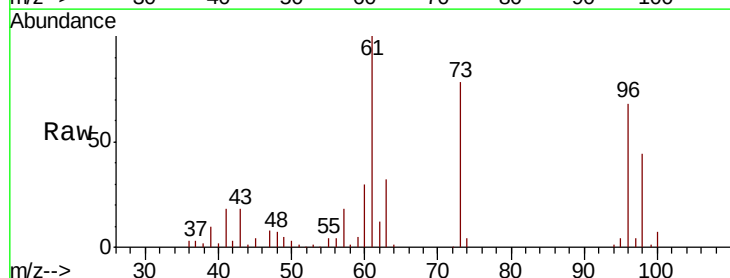


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

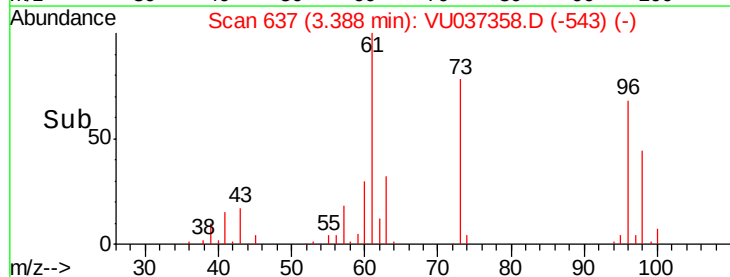
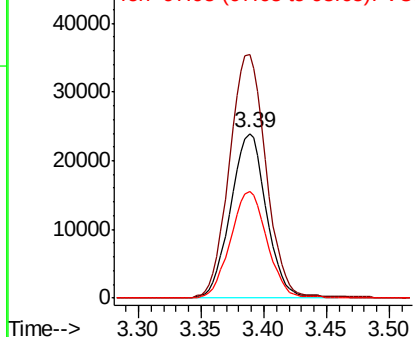


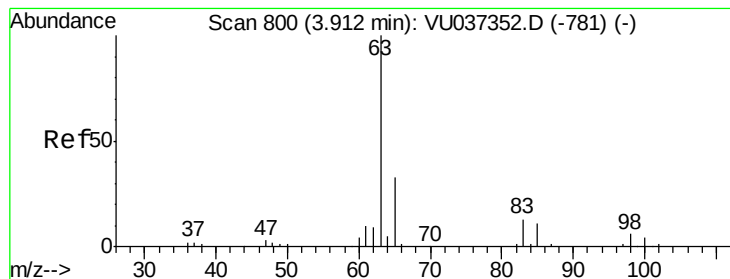
#18
trans-1,2-Dichloroethene
Concen: 4.744 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037358.D
Acq: 20 Mar 2020 21:01

Tgt Ion: 96 Resp: 47707
Ion Ratio Lower Upper
96 100
61 147.7 103.5 192.1
98 64.4 42.4 78.8



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: 4.939 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

Instrument :

MSVOA_U

ClientSampled :

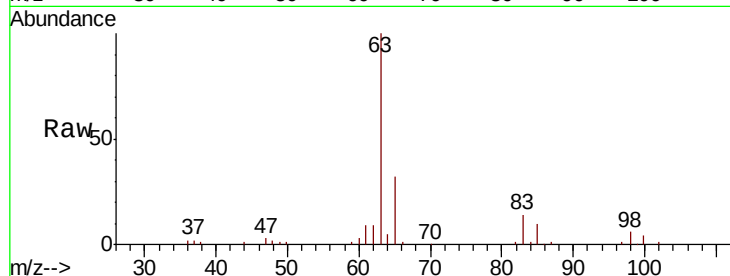
Tot Ion: 63 Resp: 95433

Ion Ratio Lower Upper

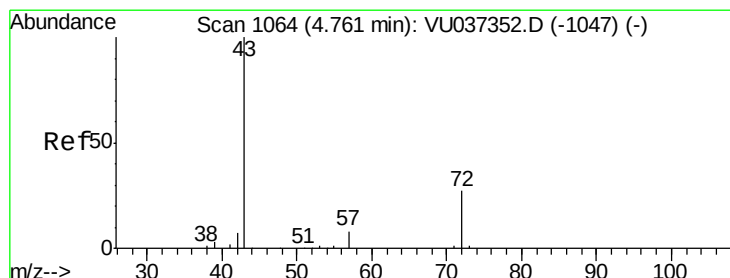
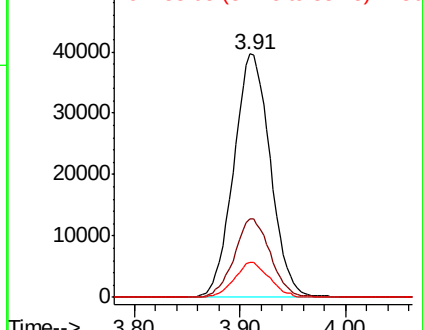
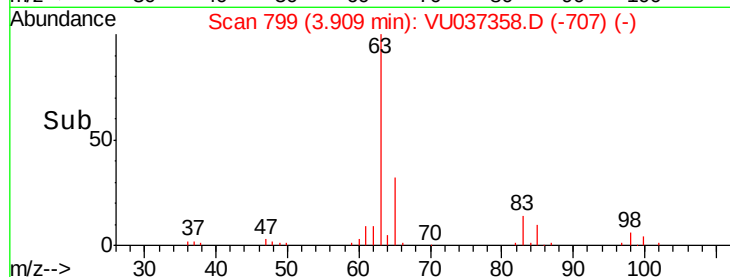
63 100

65 32.5 22.9 42.5

83 14.2 9.2 17.0



Abundance Ion 63.10 (62.80 to 63.80): VU037358.D (-707) (-)



#21

2-Butanone

Concen: 50.834 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VU037358.D

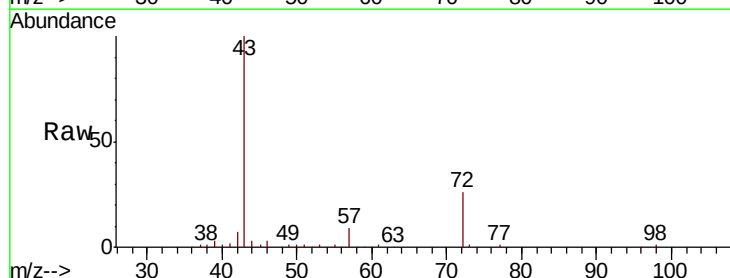
Acq: 20 Mar 2020 21:01

Tgt Ion: 43 Resp: 139235

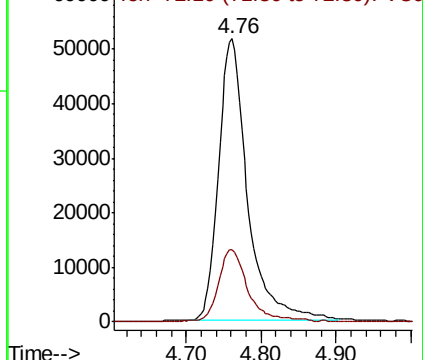
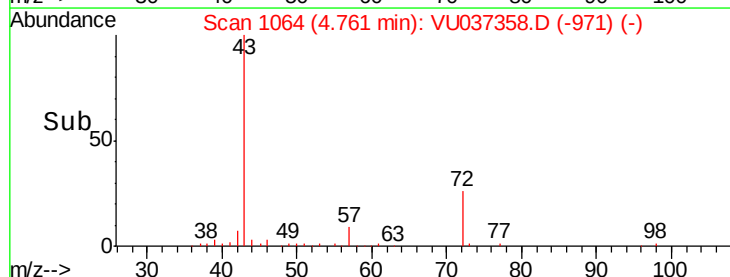
Ion Ratio Lower Upper

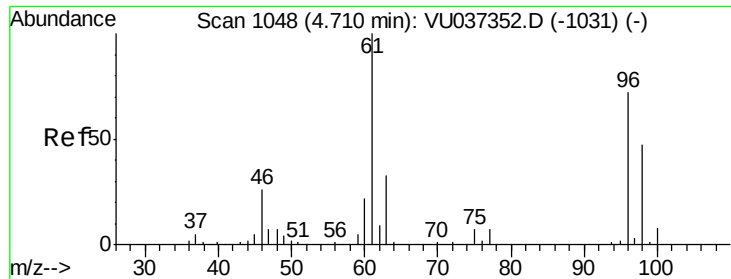
43 100

72 26.5 12.9 38.6



Abundance Ion 43.05 (42.75 to 43.75): VU037358.D (-971) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.730 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

Instrument :
MSVOA_U
ClientSampled :

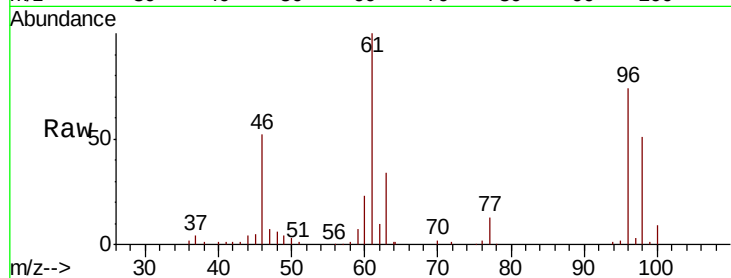
Tot Ion: 96 Resp: 51862

Ion Ratio Lower Upper

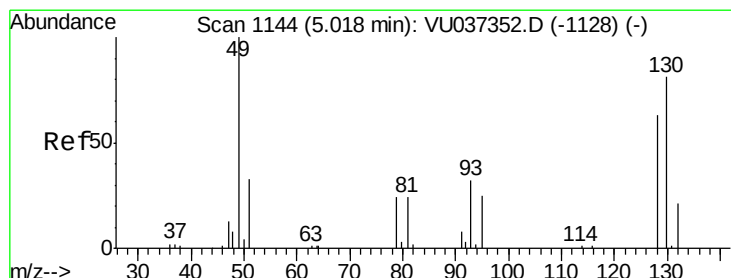
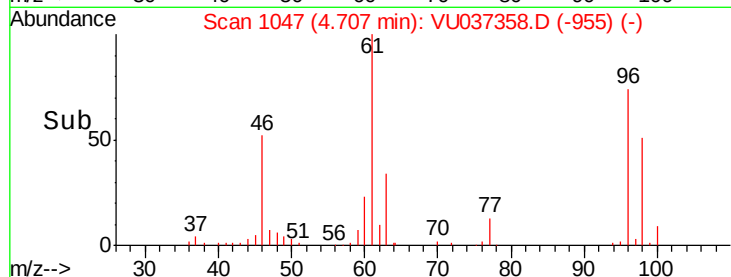
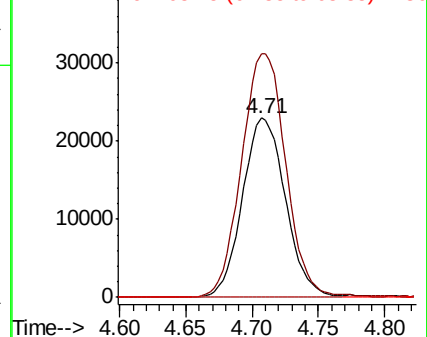
96 100

61 135.5 97.6 181.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.076 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

Tgt Ion:128 Resp: 25569

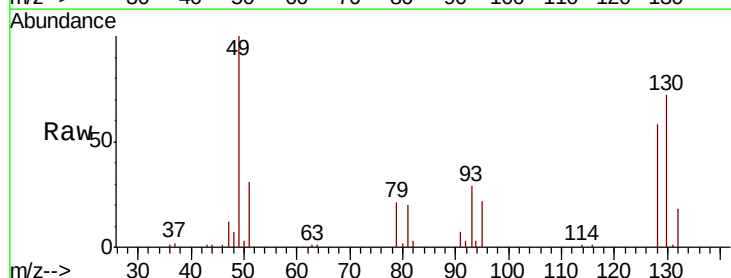
Ion Ratio Lower Upper

128 100

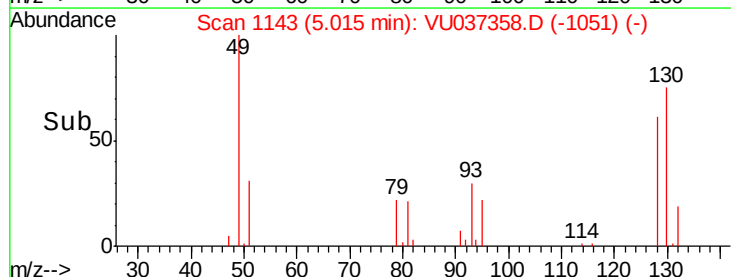
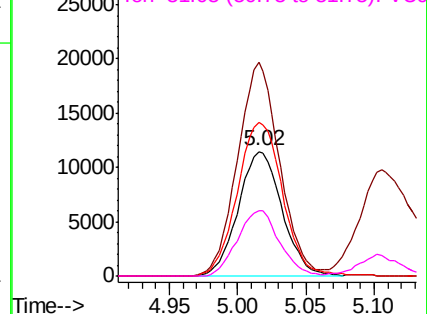
49 171.4 110.7 205.7

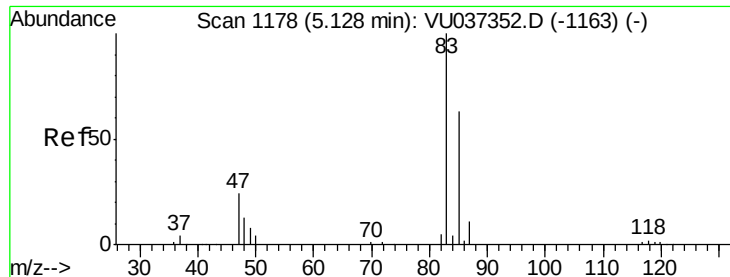
130 123.5 89.2 165.6

51 52.4 42.1 63.1



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

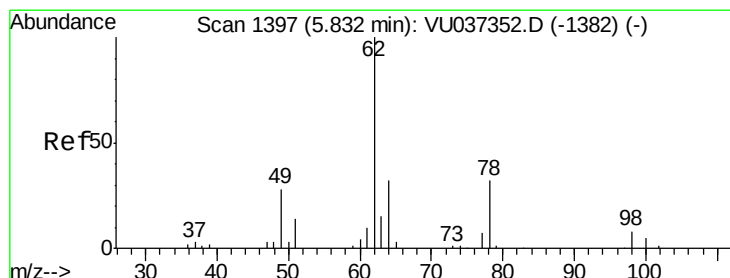
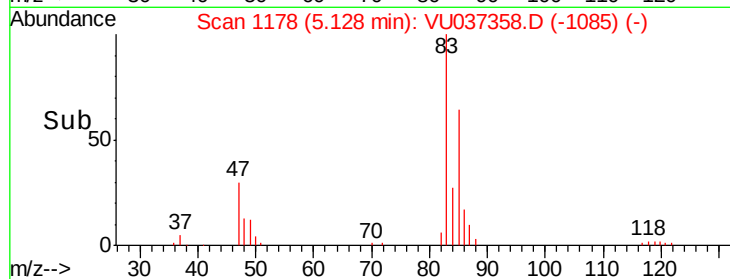
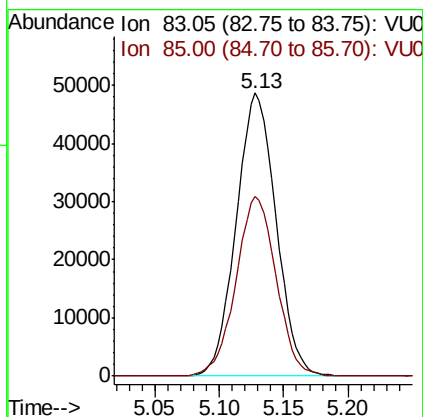
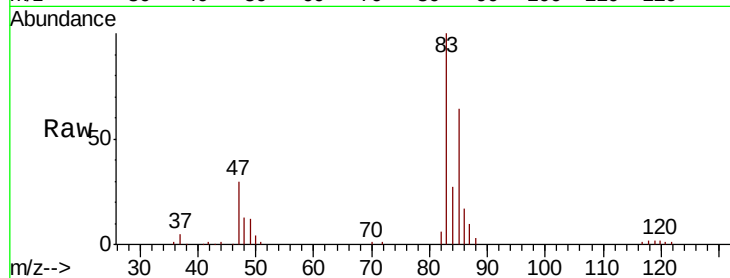




#25
Chloroform
Concen: 4.867 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037358.D
Acq: 20 Mar 2020 21:01

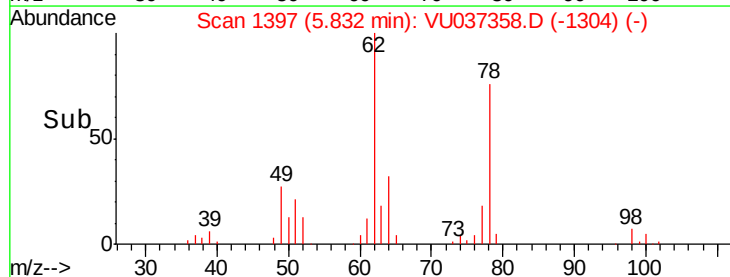
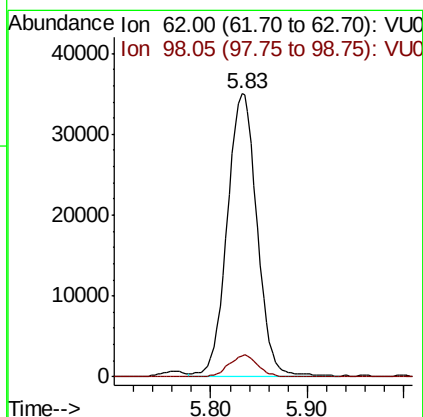
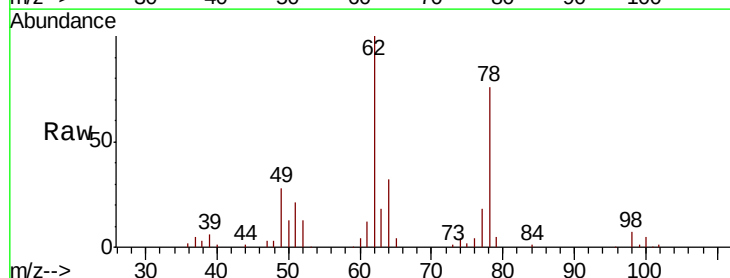
Instrument :
MSVOA_U
ClientSampleId :

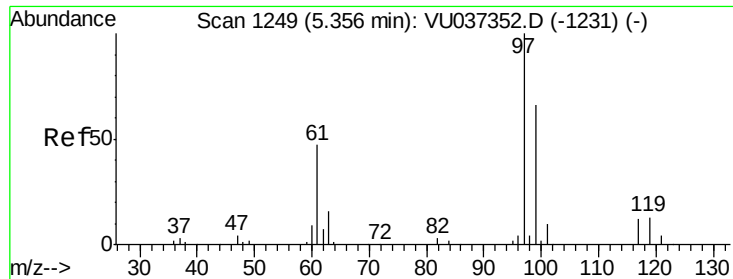
Tot Ion: 83 Resp: 104599
Ion Ratio Lower Upper
83 100
85 63.6 44.1 81.9



#27
1,2-Dichloroethane
Concen: 5.109 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037358.D
Acq: 20 Mar 2020 21:01

Tgt Ion: 62 Resp: 74767
Ion Ratio Lower Upper
62 100
98 7.5 6.4 9.6

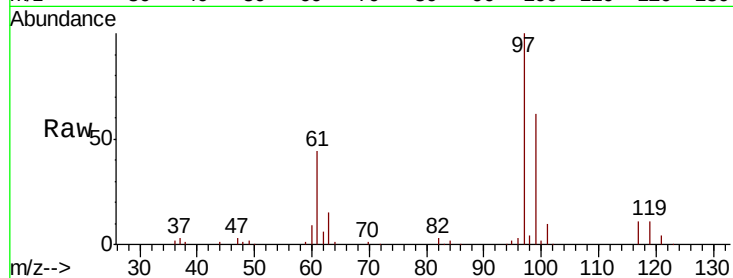




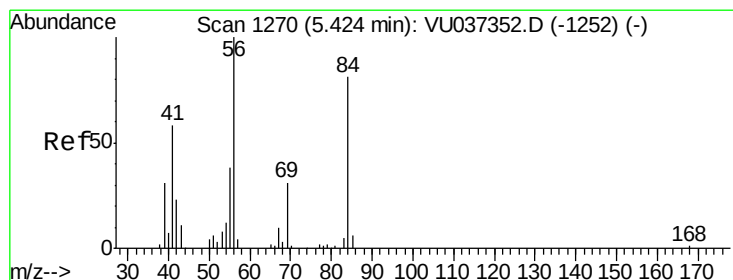
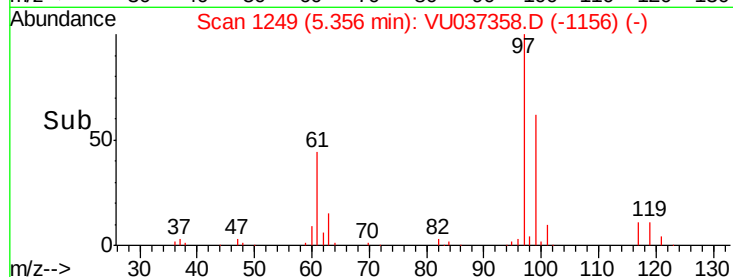
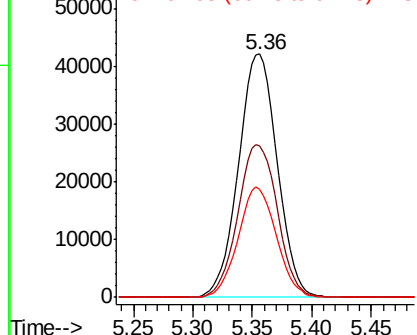
#29
 1,1,1-Trichloroethane
 Concen: 4.965 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037358.D
 Acq: 20 Mar 2020 21:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 95134
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.7 77.5
 61 44.5 36.8 55.2

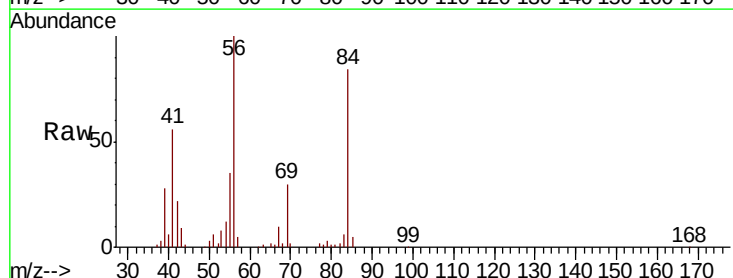


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

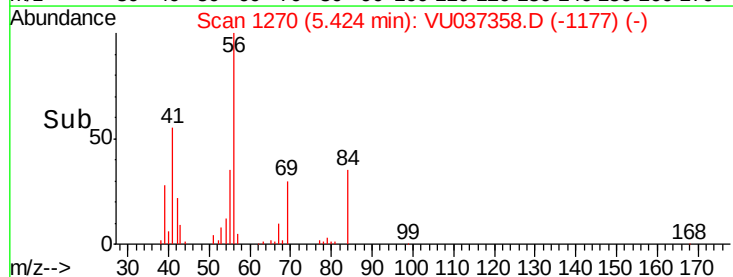
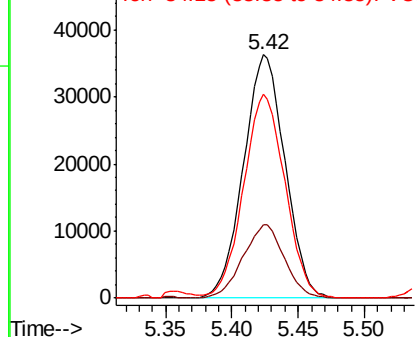


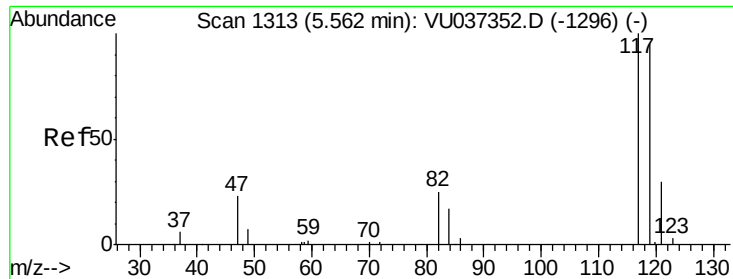
#30
 Cyclohexane
 Concen: 4.861 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU037358.D
 Acq: 20 Mar 2020 21:01

Tgt Ion: 56 Resp: 79134
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.6 37.0
 84 83.6 68.5 102.7



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: 4.838 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

Instrument :

MSVOA_U

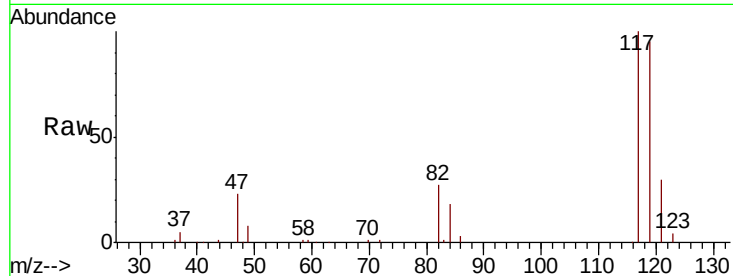
ClientSampleId :

Tot Ion:117 Resp: 80386

Ion Ratio Lower Upper

117 100

119 95.5 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

40000

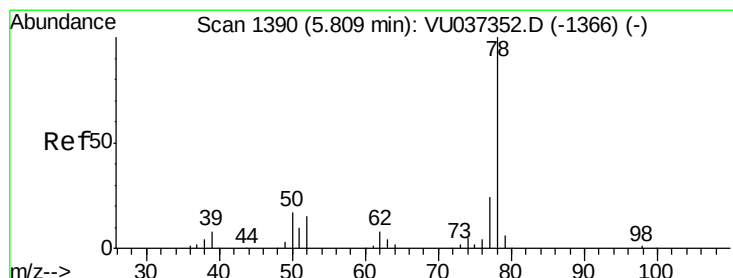
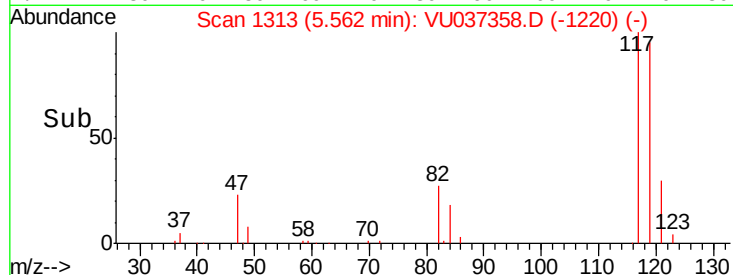
30000

20000

10000

0

Time--> 5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 4.954 ug/L

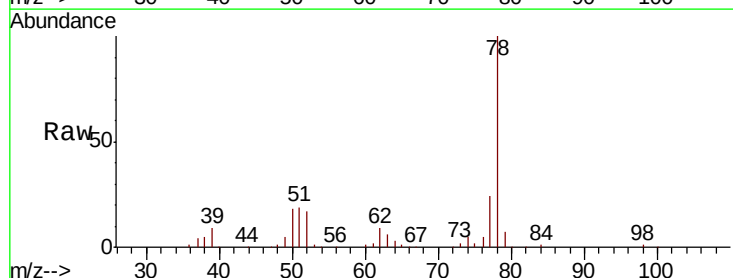
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

Tgt Ion: 78 Resp: 203011



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

100000

80000

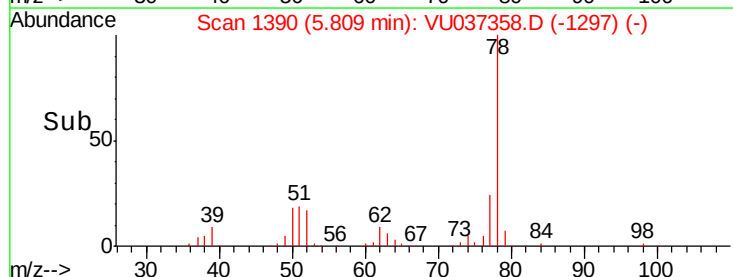
60000

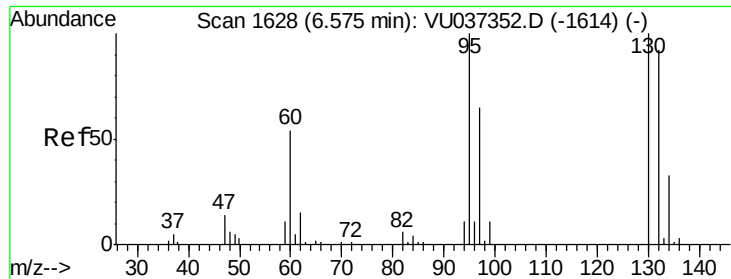
40000

20000

0

Time--> 5.70 5.80 5.90

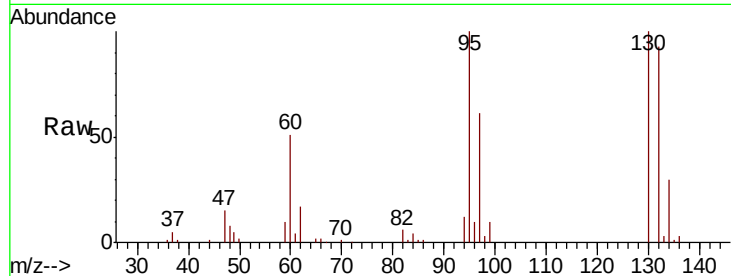




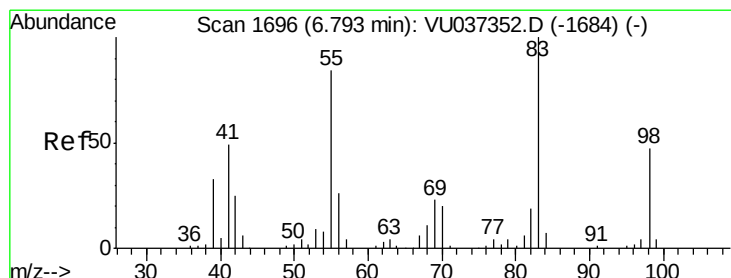
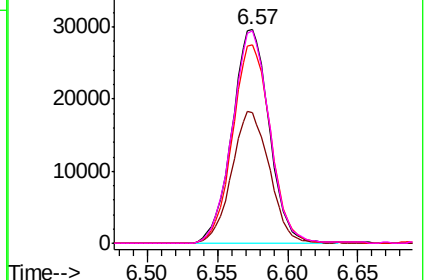
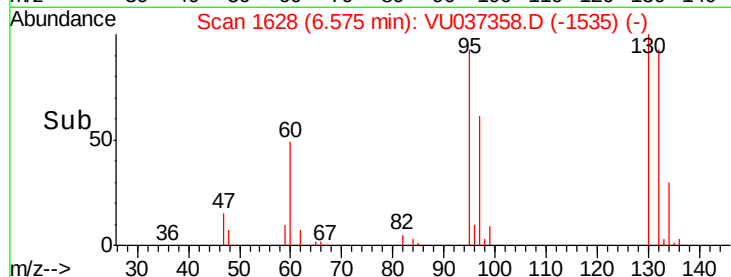
#34
 Trichloroethene
 Concen: 4.855 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037358.D
 Acq: 20 Mar 2020 21:01

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 54678
 Ion Ratio Lower Upper
 95 100
 97 60.9 45.5 84.5
 132 93.0 64.7 120.1
 130 99.6 69.7 129.5

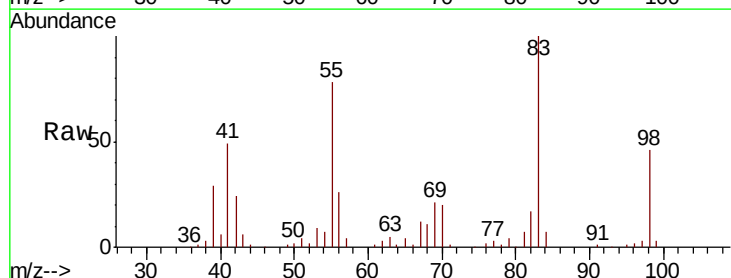


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

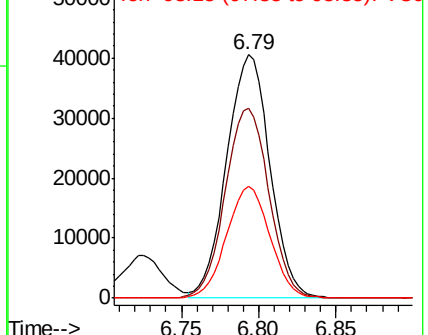
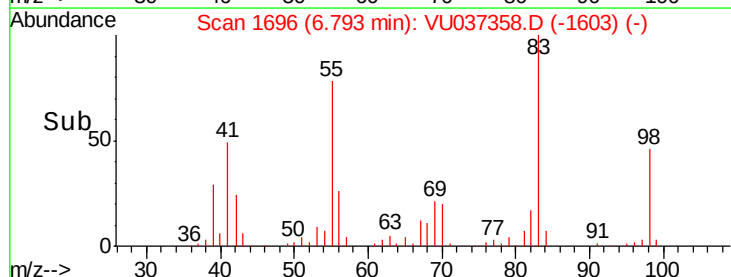


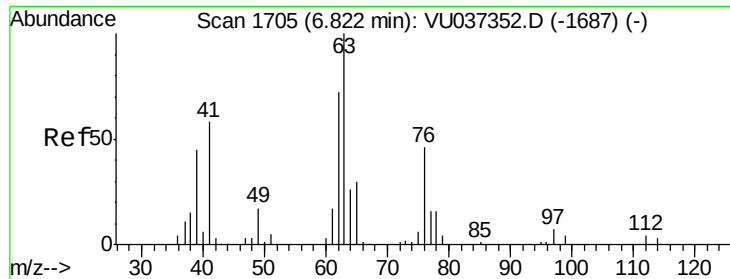
#35
 Methylcyclohexane
 Concen: 4.737 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037358.D
 Acq: 20 Mar 2020 21:01

Tgt Ion: 83 Resp: 79033
 Ion Ratio Lower Upper
 83 100
 55 78.7 65.9 98.9
 98 45.9 37.6 56.4



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

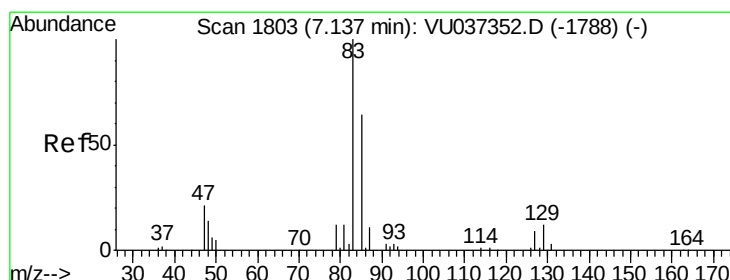
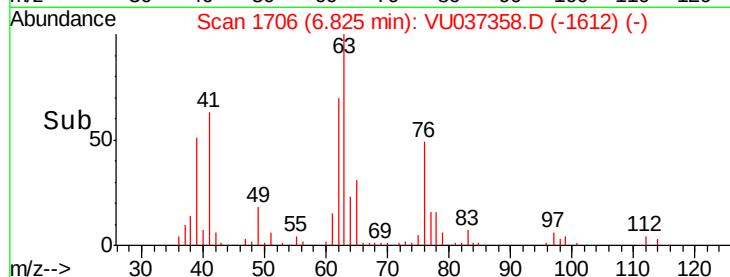
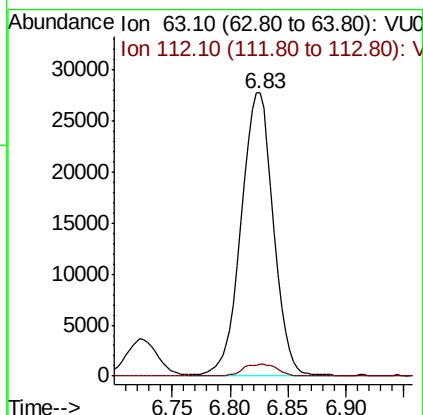
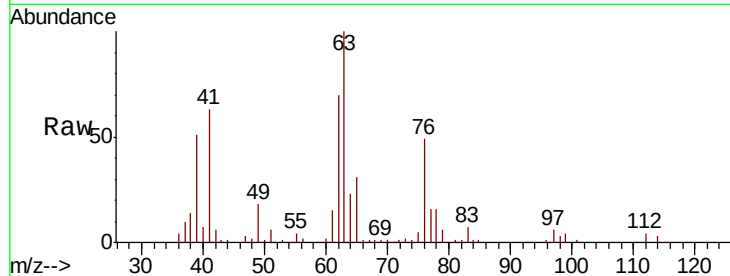




#37
 1,2-Dichloropropane
 Concen: 5.047 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VU037358.D
 Acq: 20 Mar 2020 21:01

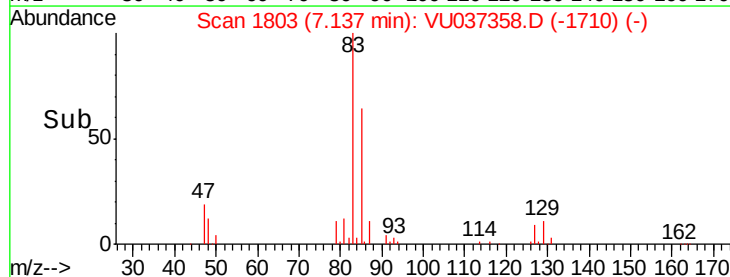
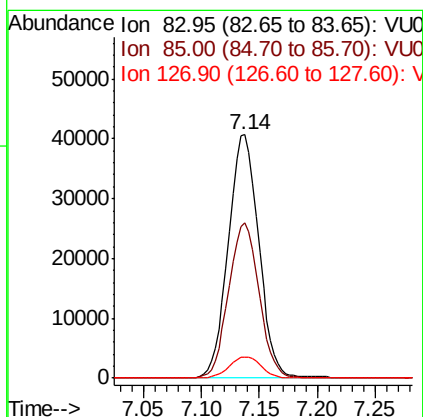
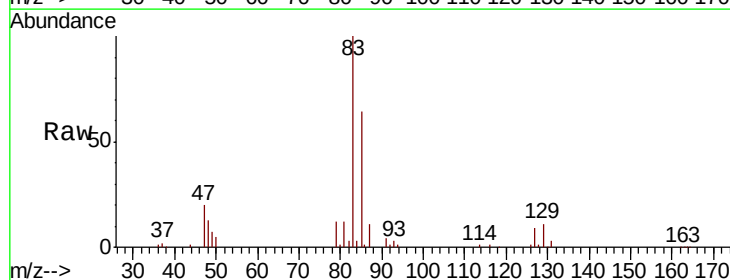
Instrument :
 MSVOA_U
 ClientSampleId :

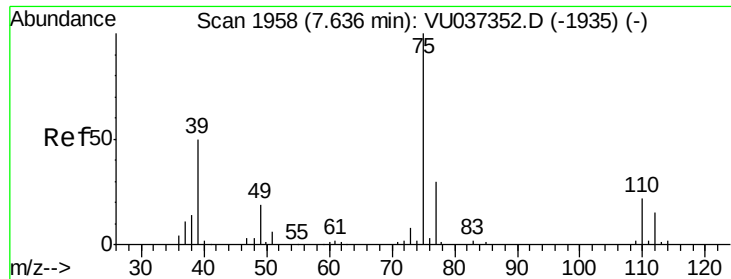
Tot Ion: 63 Resp: 54173
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.0 4.6



#38
 Bromodichloromethane
 Concen: 5.035 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU037358.D
 Acq: 20 Mar 2020 21:01

Tgt Ion: 83 Resp: 74158
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.7 82.9
 127 8.6 7.0 10.6

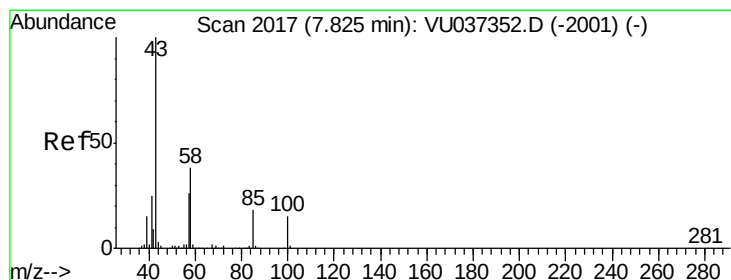
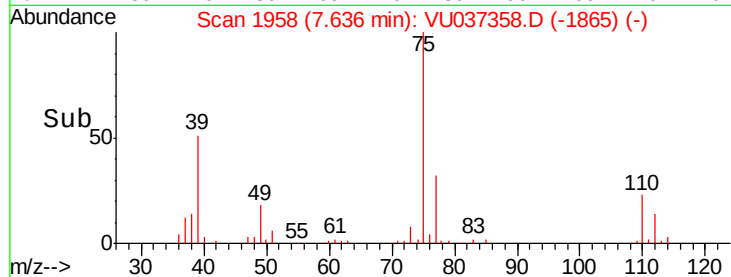
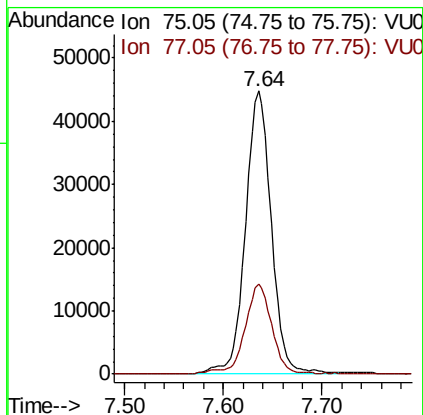
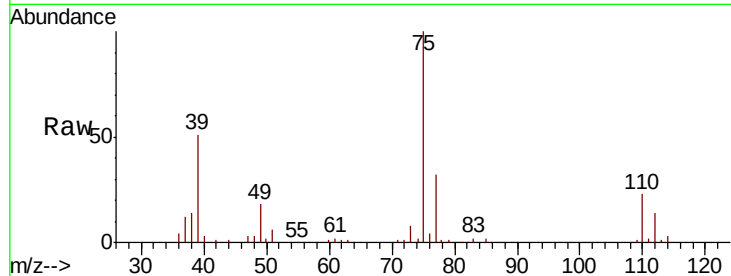




#39
 cis-1,3-Dichloropropene
 Concen: 5.111 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037358.D
 Acq: 20 Mar 2020 21:01

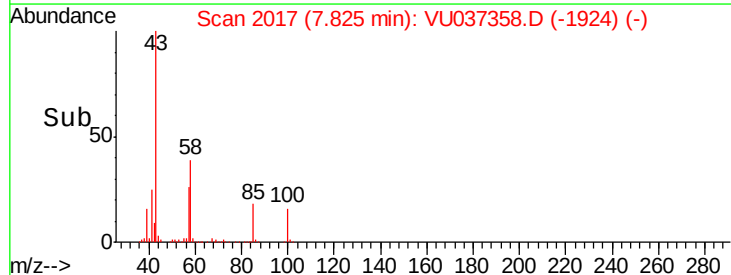
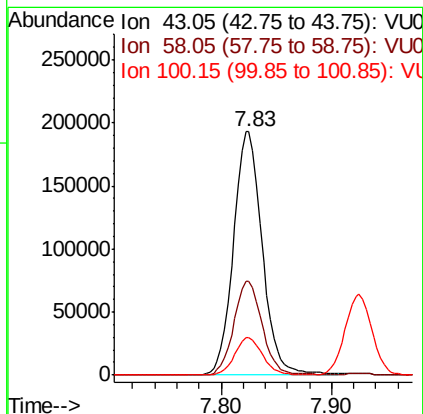
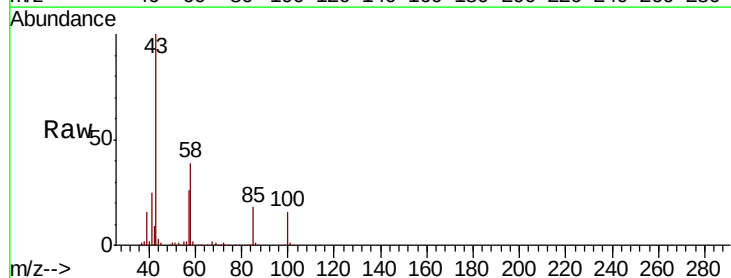
Instrument :
 MSVOA_U
 ClientSampleId :

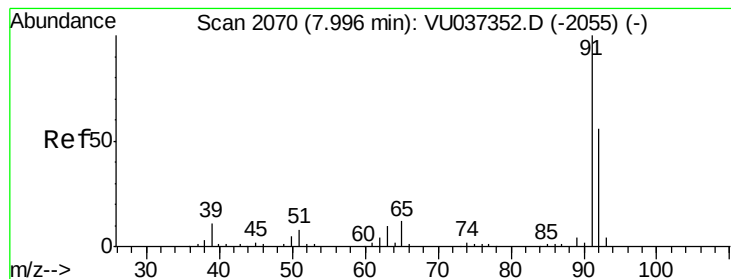
Tot Ion: 75 Resp: 81286
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 51.846 ug/L
 RT: 7.83 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU037358.D
 Acq: 20 Mar 2020 21:01

Tgt Ion: 43 Resp: 348935
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.1 45.1
 100 15.0 11.8 17.6





#42

Toluene

Concen: 5.009 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

Instrument :

MSVOA_U

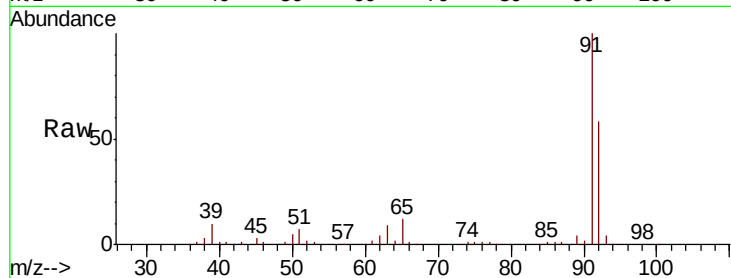
ClientSampleId :

Tot Ion: 91 Resp: 222084

Ion Ratio Lower Upper

91 100

92 57.6 39.0 72.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

8.00

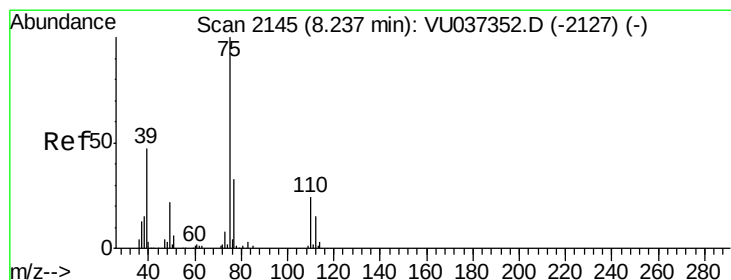
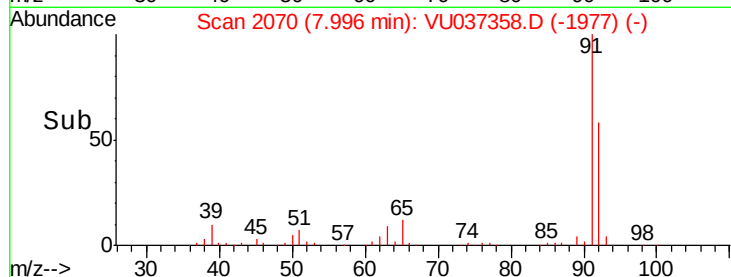
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 5.150 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037358.D

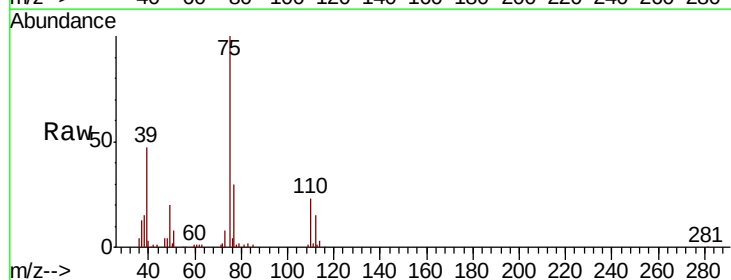
Acq: 20 Mar 2020 21:01

Tgt Ion: 75 Resp: 74845

Ion Ratio Lower Upper

75 100

77 30.4 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.24

50000

40000

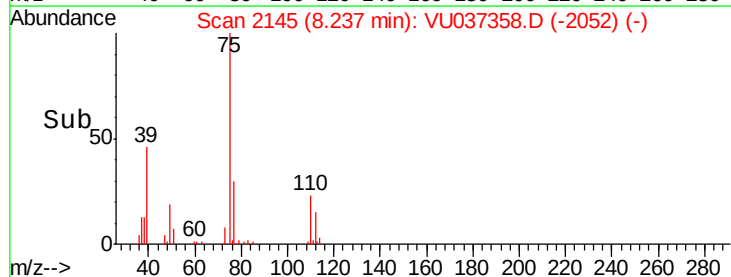
30000

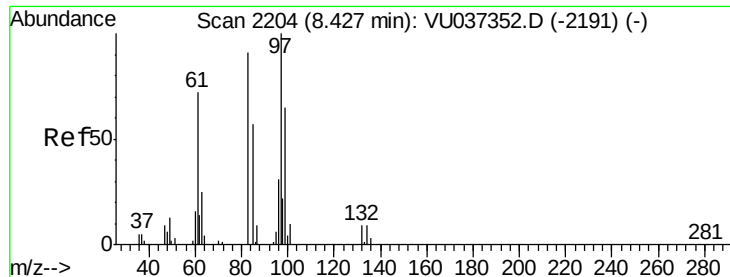
20000

10000

0

Time--> 8.10 8.20 8.30 8.40

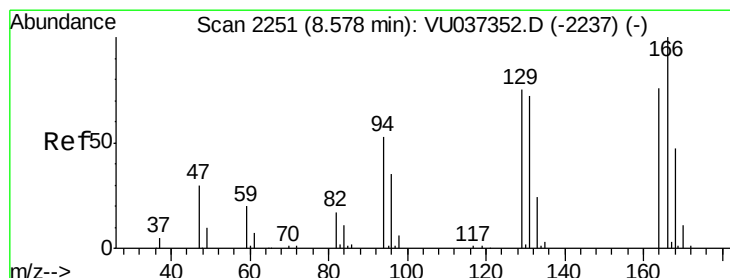
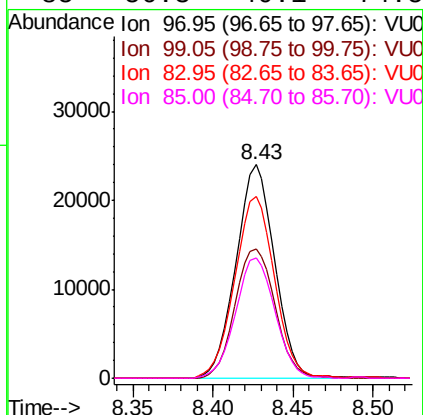
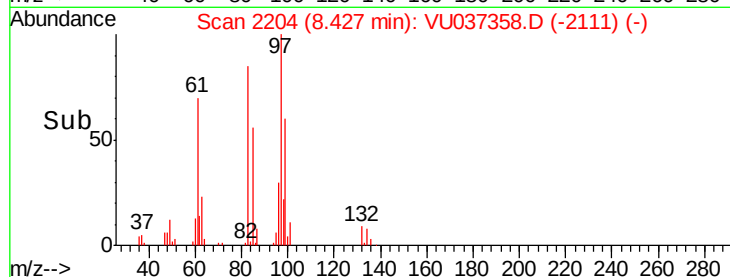
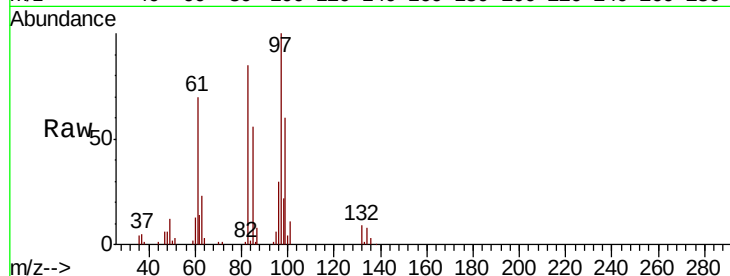




#45
1,1,2-Trichloroethane
Concen: 5.111 ug/L
RT: 8.43 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VU037358.D
Acq: 20 Mar 2020 21:01

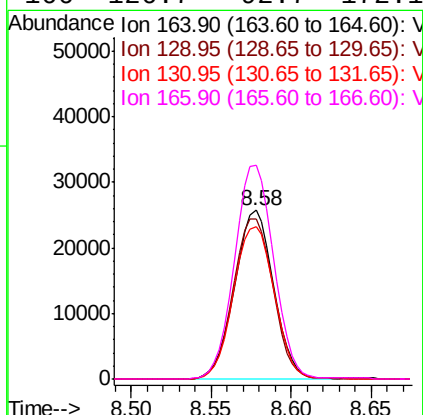
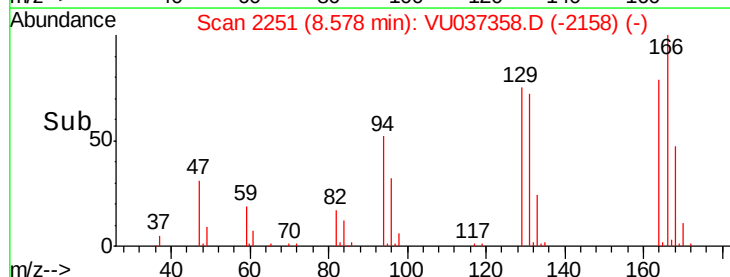
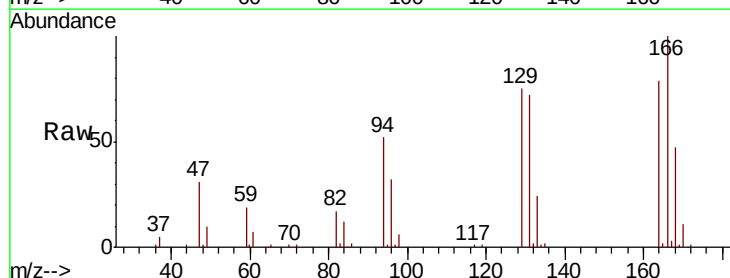
Instrument :
MSVOA_U
ClientSampleId :

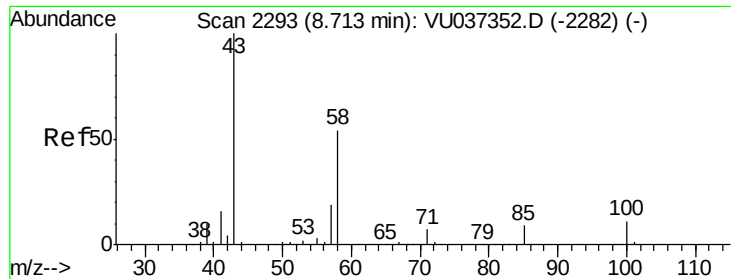
Tot Ion:	97	Resp:	39447
Ion	Ratio	Lower	Upper
97	100		
99	60.3	45.8	85.0
83	85.1	63.4	117.8
85	56.3	40.1	74.5



#47
Tetrachloroethene
Concen: 4.681 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. 0.00 min
Lab File: VU037358.D
Acq: 20 Mar 2020 21:01

Tgt Ion:	164	Resp:	42640
Ion	Ratio	Lower	Upper
164	100		
129	94.6	69.9	129.7
131	90.6	67.1	124.7
166	126.7	92.7	172.1

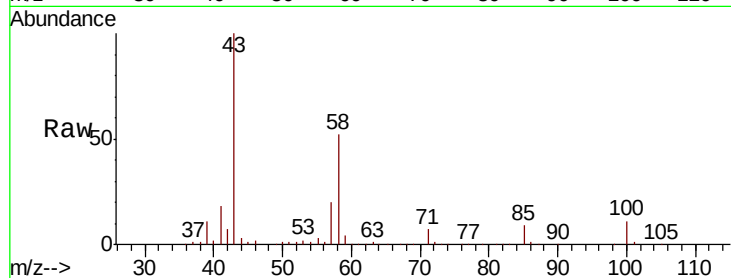




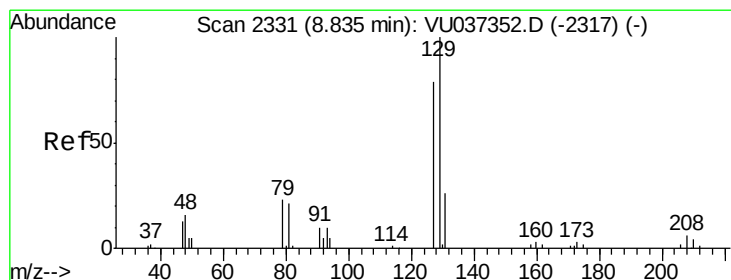
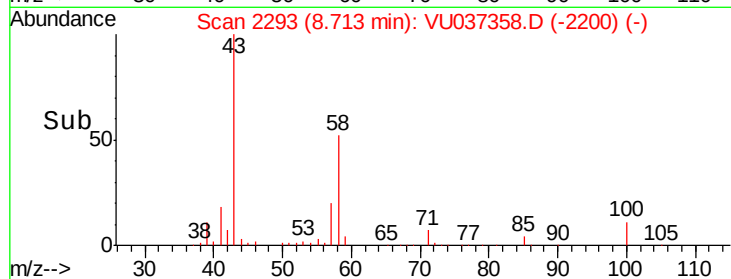
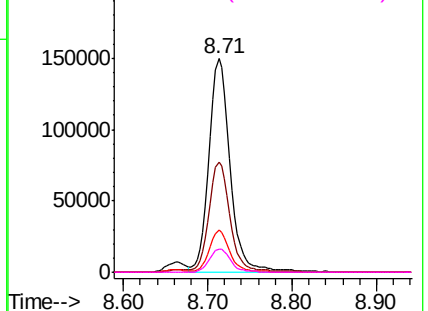
#48
2-Hexanone
Concen: 54.571 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VU037358.D
Acq: 20 Mar 2020 21:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 261696
Ion Ratio Lower Upper
43 100
58 51.7 42.5 63.7
57 18.2 15.2 22.8
100 10.9 8.9 13.3

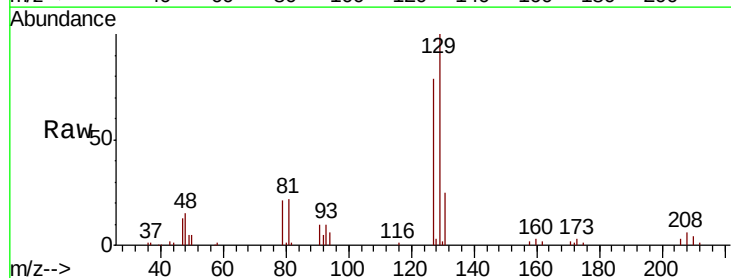


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

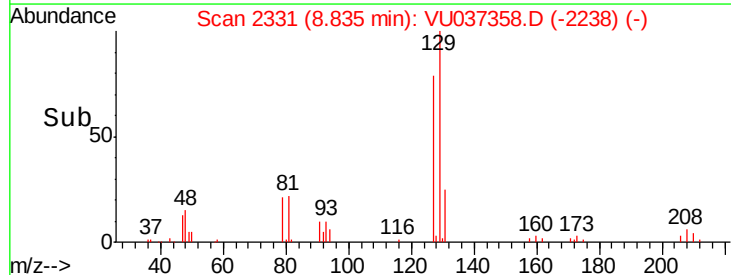
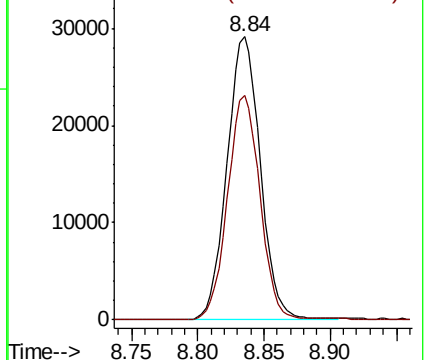


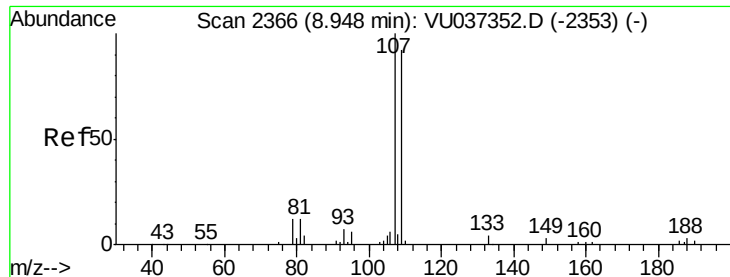
#49
Dibromochloromethane
Concen: 5.048 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037358.D
Acq: 20 Mar 2020 21:01

Tgt Ion: 129 Resp: 50972
Ion Ratio Lower Upper
129 100
127 79.2 55.1 102.3



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

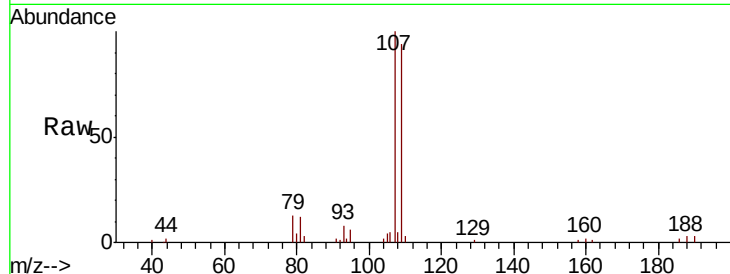




#50
 1,2-Dibromoethane
 Concen: 5.048 ug/L
 RT: 8.95 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VU037358.D
 Acq: 20 Mar 2020 21:01

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	64.1	119.1
188	3.4	2.4	3.6

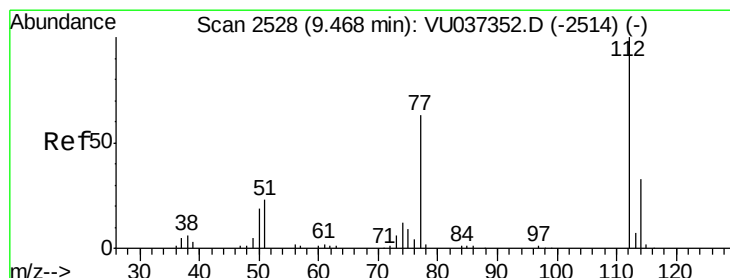
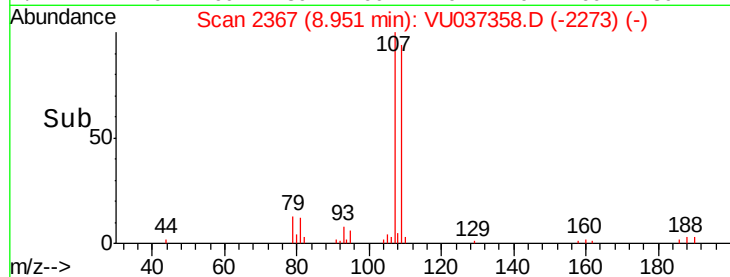
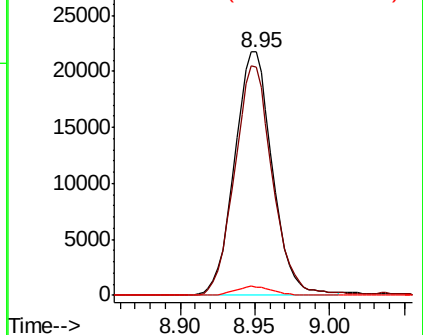


Abundance

Ion 106.95 (106.65 to 107.65): V

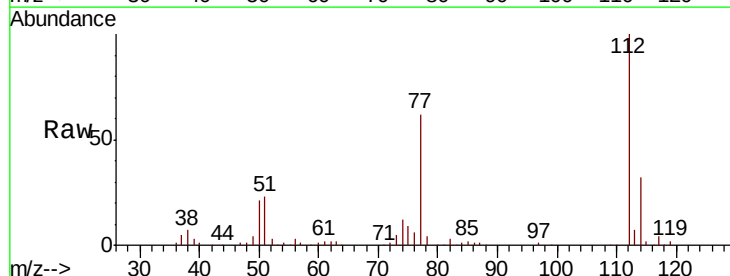
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 4.807 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037358.D
 Acq: 20 Mar 2020 21:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.9	42.5
77	61.8	50.8	76.2

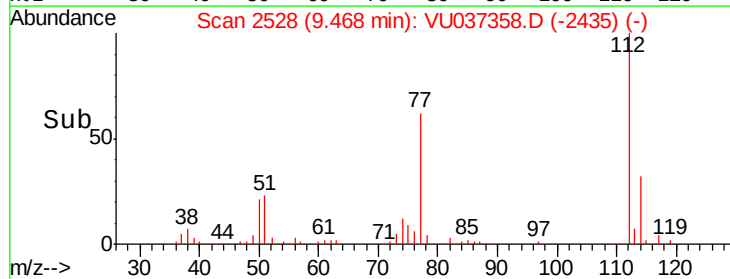
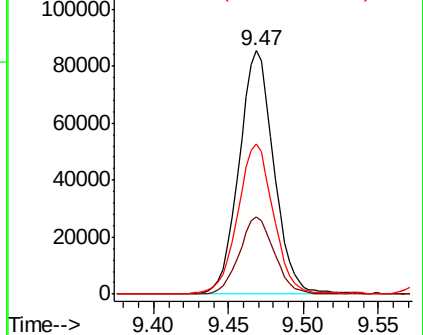


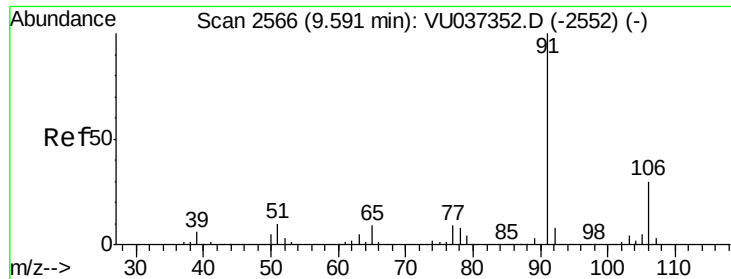
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU

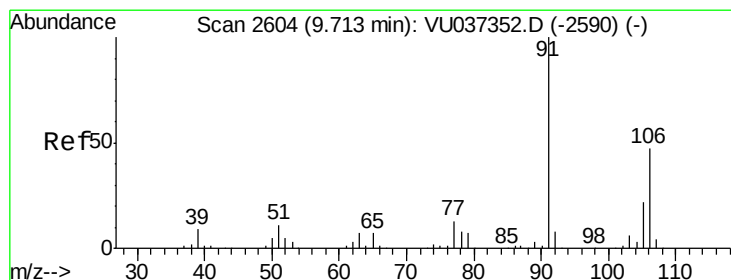
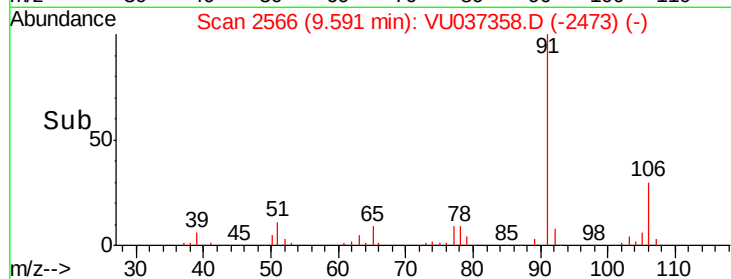
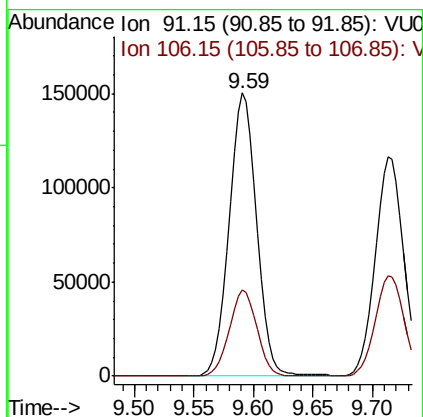
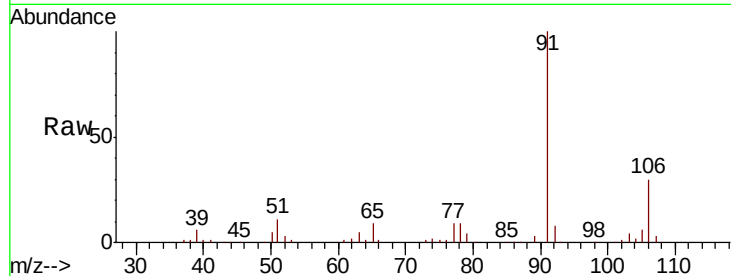




#52
Ethylbenzene
Concen: 4.862 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037358.D
Acq: 20 Mar 2020 21:01

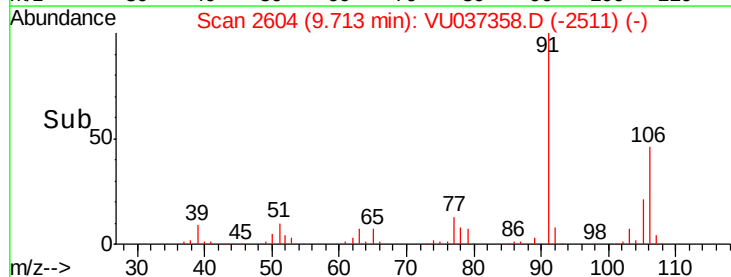
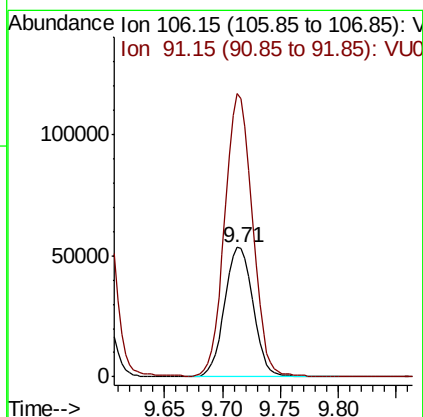
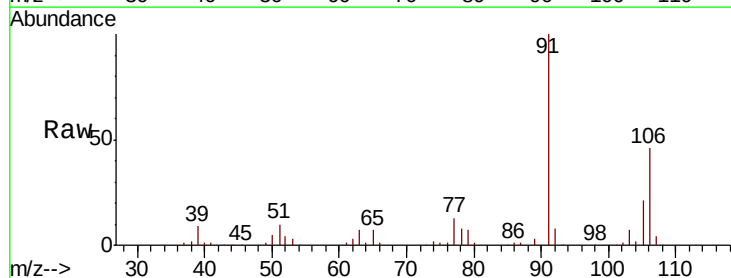
Instrument :
MSVOA_U
ClientSampleId :

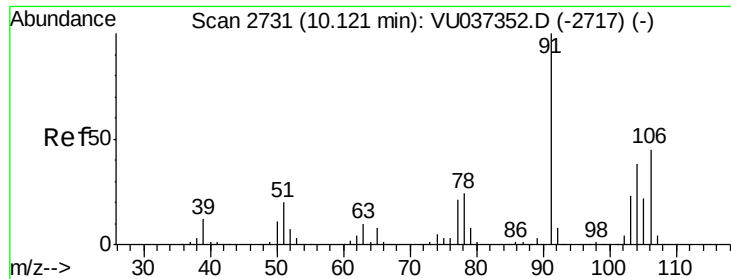
Tot Ion: 91 Resp: 240627
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.3



#53
m,p-Xylene
Concen: 5.056 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037358.D
Acq: 20 Mar 2020 21:01

Tgt Ion: 106 Resp: 91292
Ion Ratio Lower Upper
106 100
91 218.4 151.1 280.7

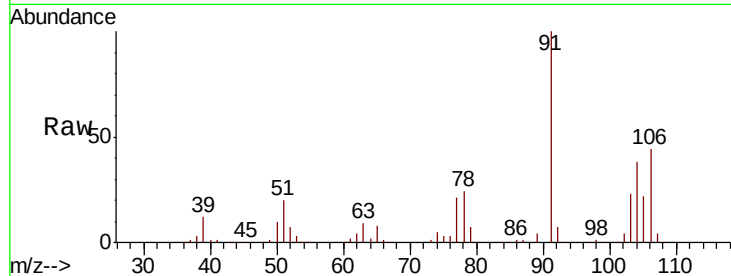




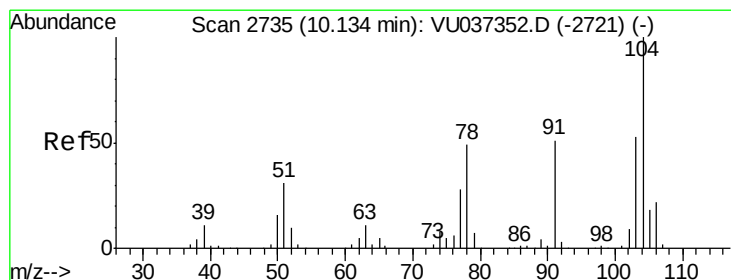
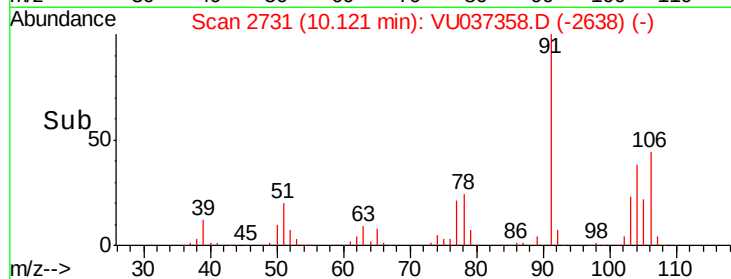
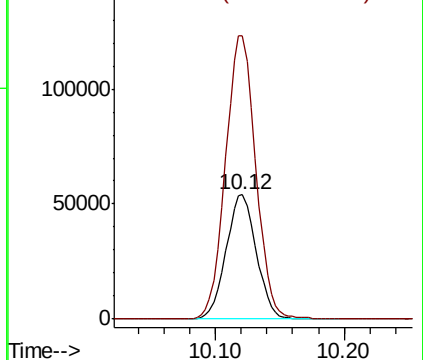
#54
o-Xylene
Concen: 4.982 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037358.D
Acq: 20 Mar 2020 21:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 87889
Ion Ratio Lower Upper
106 100
91 227.7 155.0 287.8

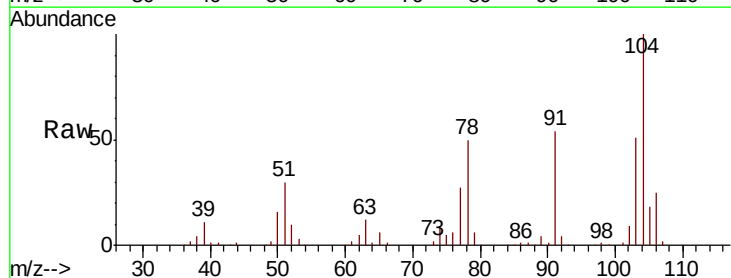


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

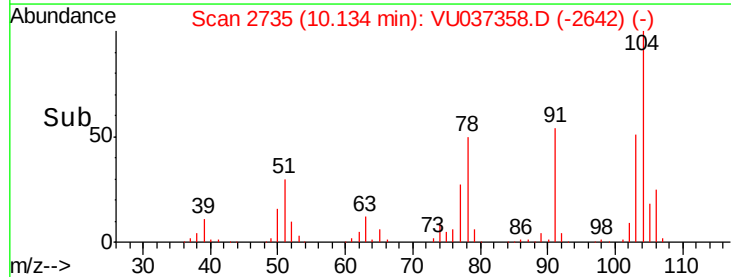
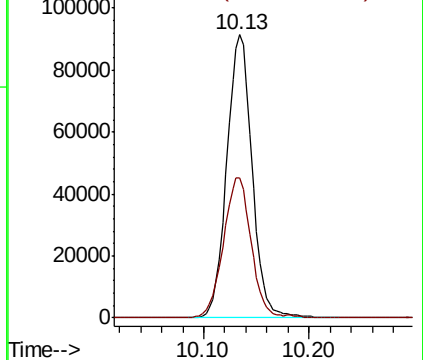


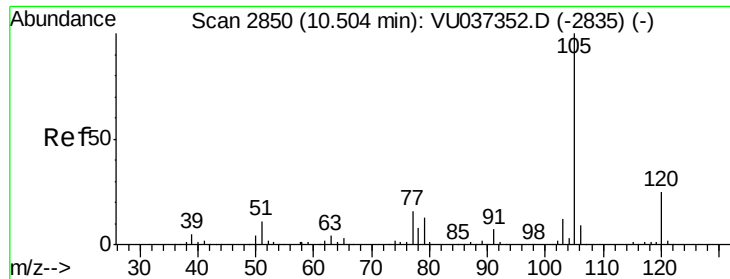
#55
Styrene
Concen: 5.148 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037358.D
Acq: 20 Mar 2020 21:01

Tgt Ion:104 Resp: 151347
Ion Ratio Lower Upper
104 100
78 49.5 34.6 64.2



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





#56

Isopropylbenzene

Concen: 4.928 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

Instrument :

MSVOA_U

ClientSampleId :

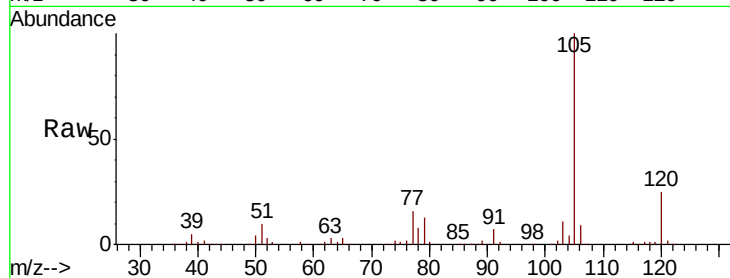
Tot Ion:105 Resp: 239796

Ion Ratio Lower Upper

105 100

120 25.4 20.2 30.2

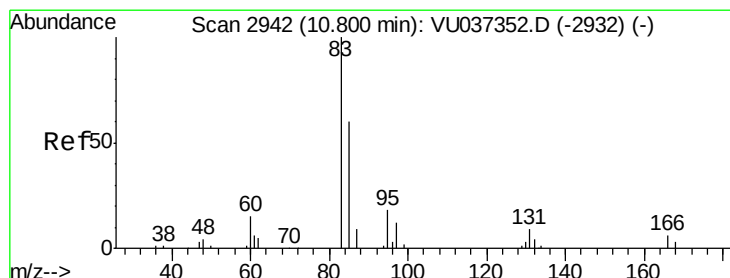
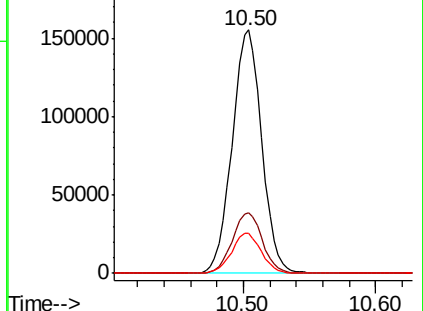
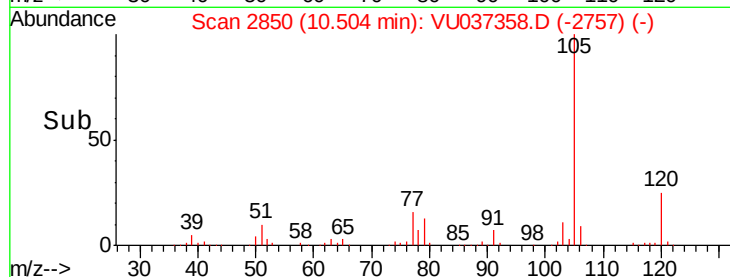
77 16.6 13.4 20.0



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: 5.125 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

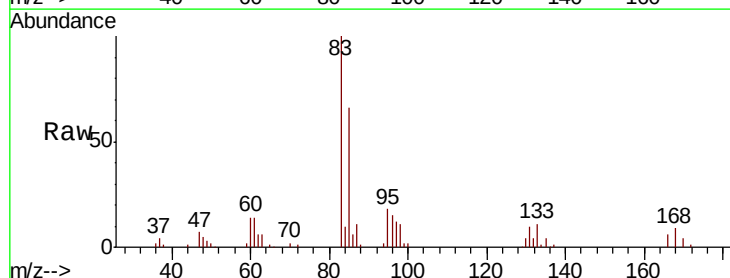
Tgt Ion: 83 Resp: 49715

Ion Ratio Lower Upper

83 100

85 65.6 43.1 80.1

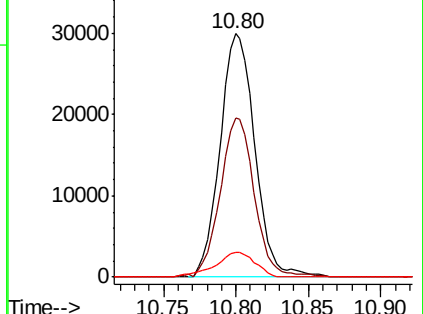
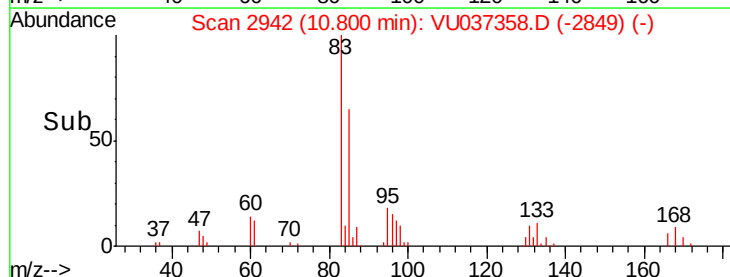
131 10.2 8.3 12.5

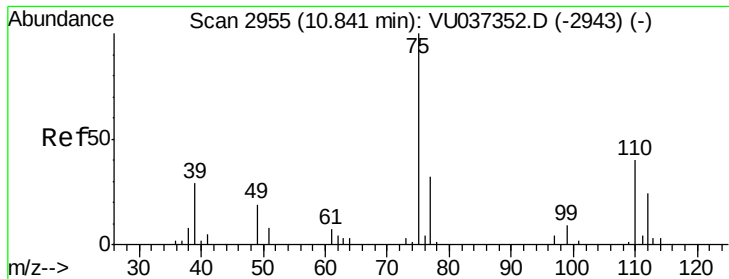


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.242 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

Instrument :

MSVOA_U

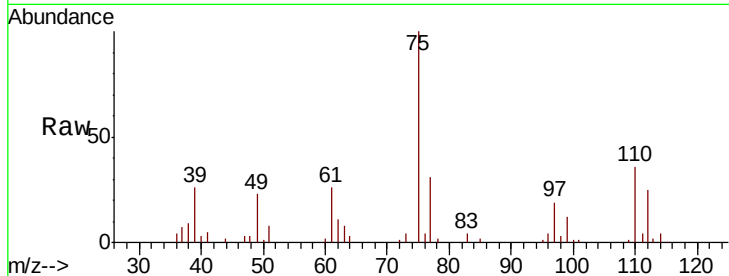
ClientSampleId :

Tot Ion: 75 Resp: 37729

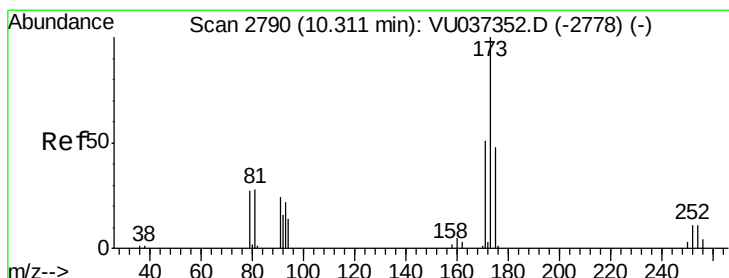
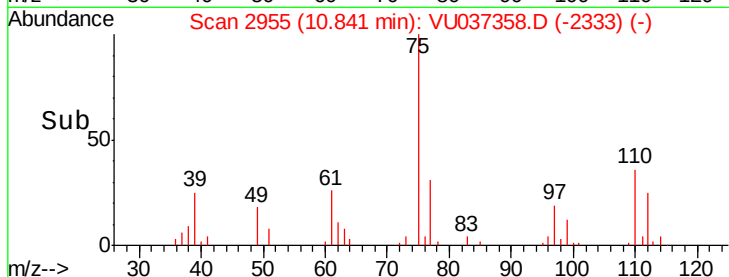
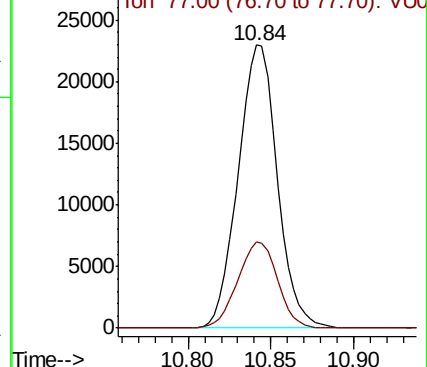
Ion Ratio Lower Upper

75 100

77 30.9 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU037352.D (-2943) (-)



#61

Bromoform

Concen: 4.972 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

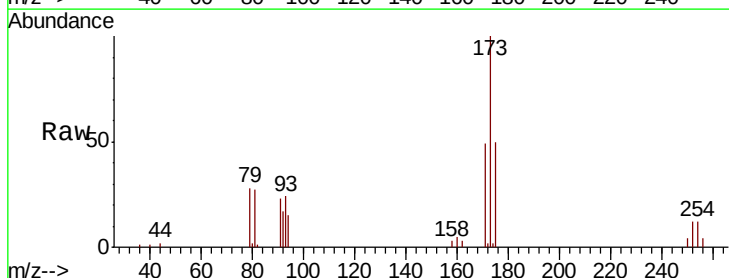
Tgt Ion: 173 Resp: 30498

Ion Ratio Lower Upper

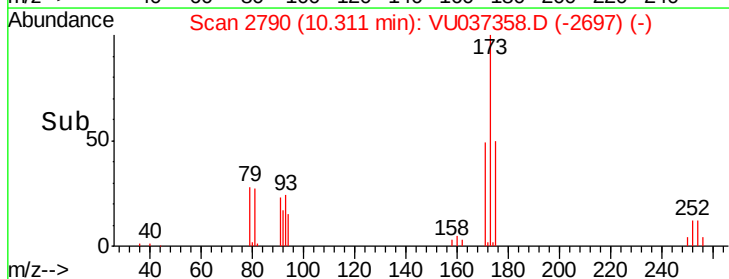
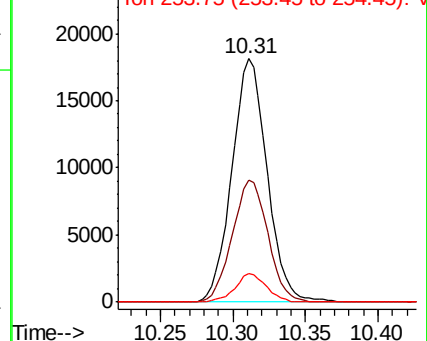
173 100

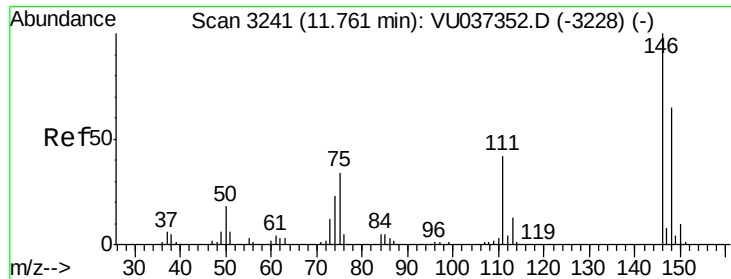
175 50.5 37.8 56.6

254 10.3 8.4 12.6



Abundance Ion 172.90 (172.60 to 173.60): VU037352.D (-2778) (-)





#62

1,3-Dichlorobenzene

Concen: 4.801 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

Instrument :

MSVOA_U

ClientSampled :

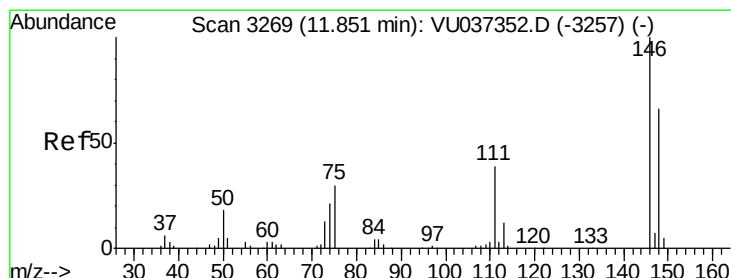
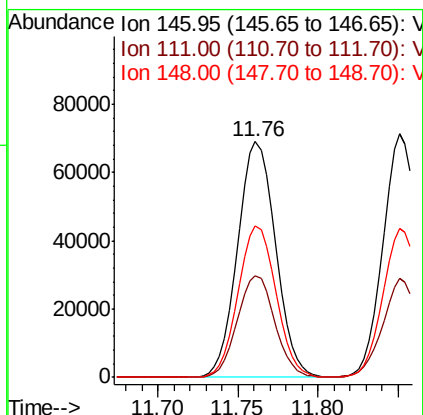
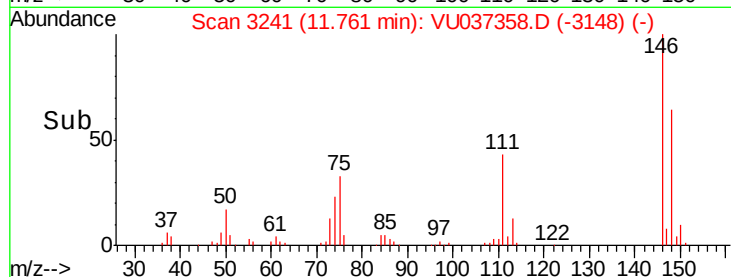
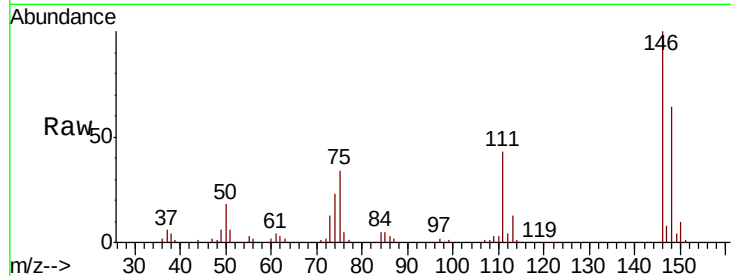
Tot Ion:146 Resp: 111586

Ion Ratio Lower Upper

146 100

111 43.3 29.2 54.2

148 64.1 45.4 84.4



#63

1,4-Dichlorobenzene

Concen: 4.813 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

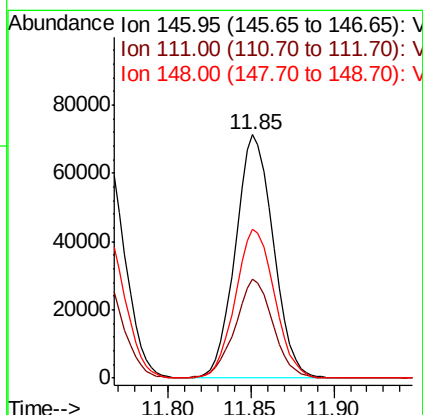
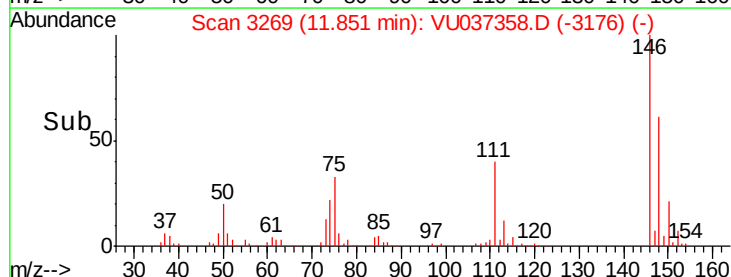
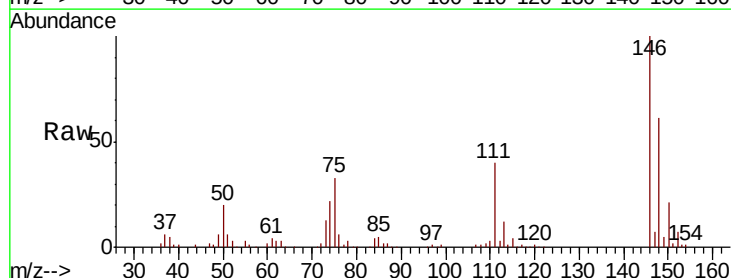
Tgt Ion:146 Resp: 113081

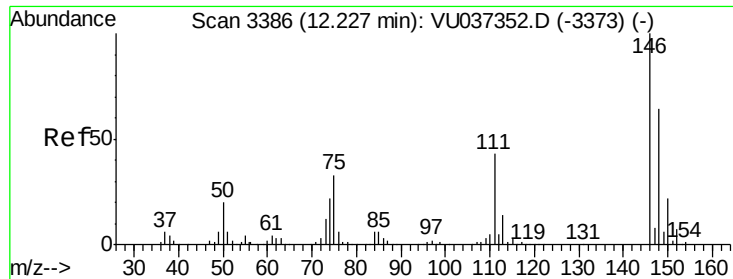
Ion Ratio Lower Upper

146 100

111 40.4 27.4 51.0

148 61.0 46.3 85.9

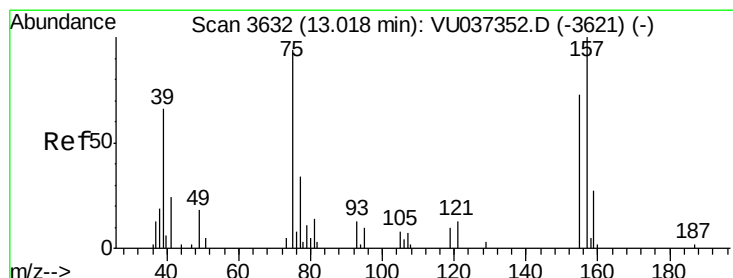
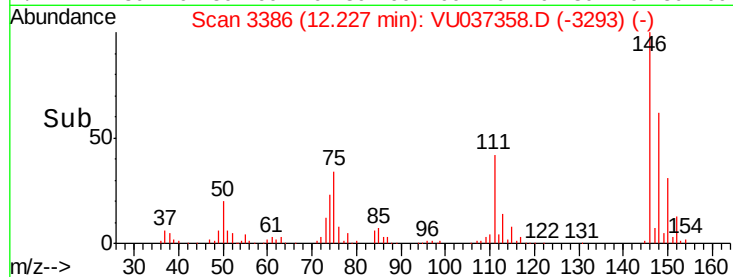
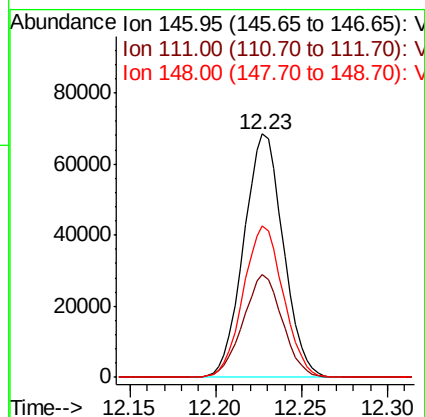
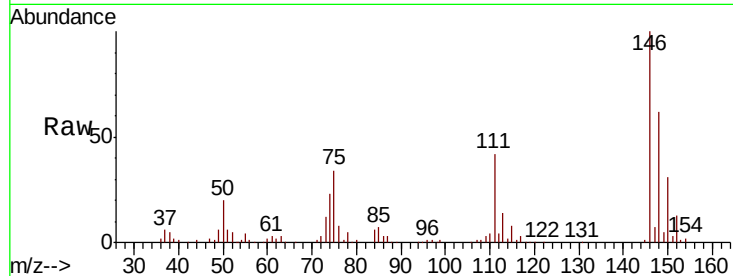




#65
 1,2-Dichlorobenzene
 Concen: 4.883 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037358.D
 Acq: 20 Mar 2020 21:01

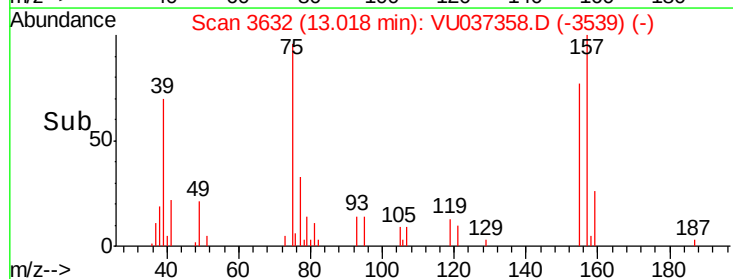
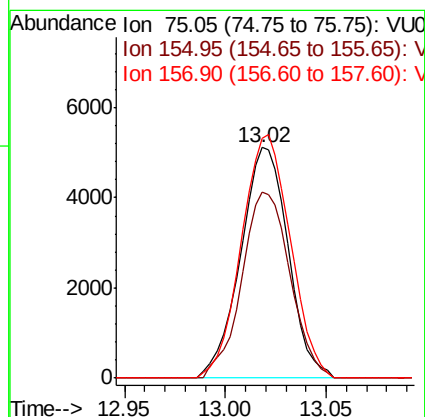
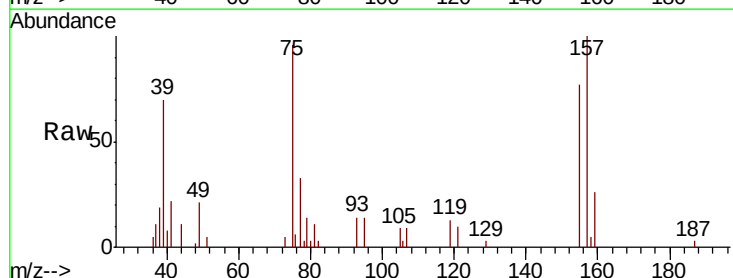
Instrument :
 MSVOA_U
 ClientSampled :

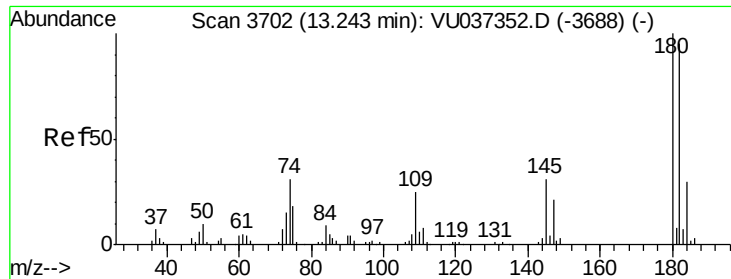
Tot Ion:146 Resp: 109026
 Ion Ratio Lower Upper
 146 100
 111 42.0 34.7 52.1
 148 62.0 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.921 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037358.D
 Acq: 20 Mar 2020 21:01

Tgt Ion: 75 Resp: 8450
 Ion Ratio Lower Upper
 75 100
 155 80.5 62.2 93.4
 157 104.1 85.4 128.2

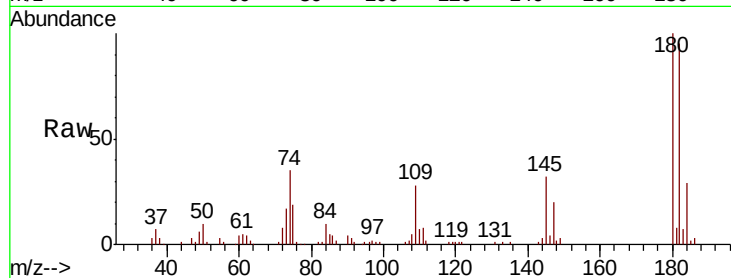




#67
 1,3,5-Trichlorobenzene
 Concen: 4.822 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU037358.D
 Acq: 20 Mar 2020 21:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.4	114.6
184	29.4	24.6	37.0
145	31.0	25.0	37.6



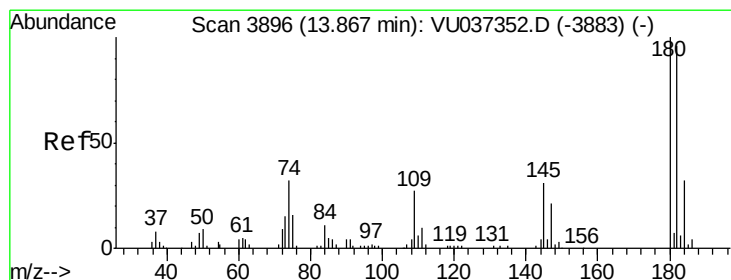
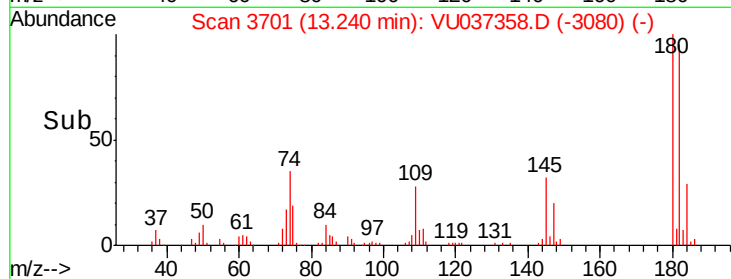
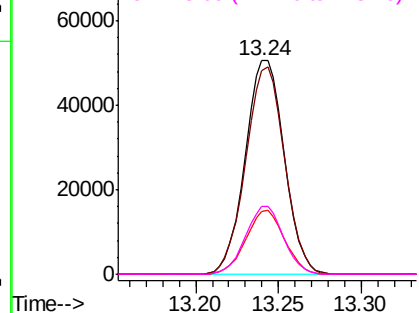
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

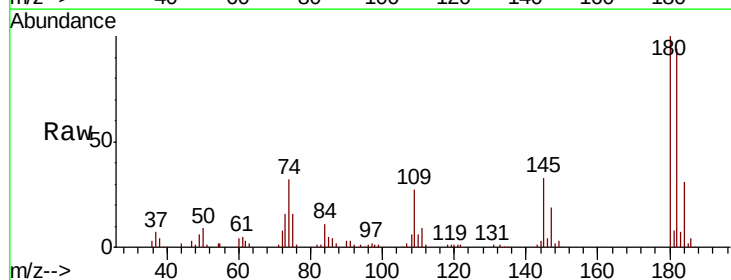
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.983 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU037358.D
 Acq: 20 Mar 2020 21:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	77.4	116.2
145	32.6	25.3	37.9

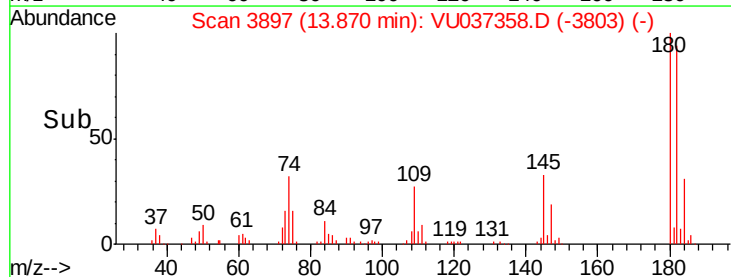
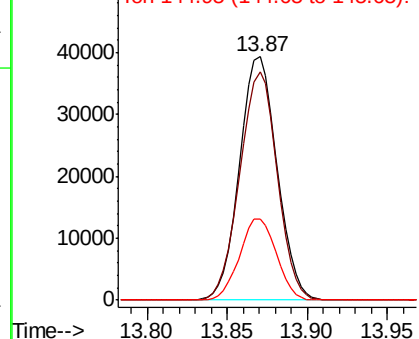


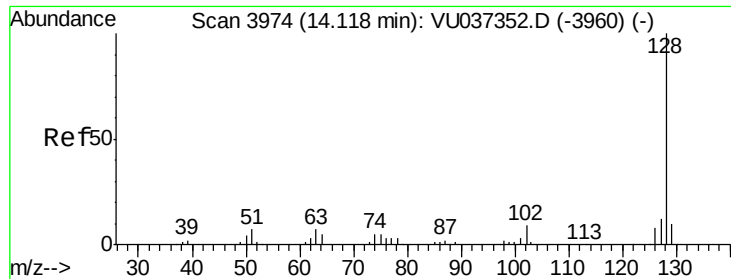
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.833 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

Instrument :

MSVOA_U

ClientSampleId :

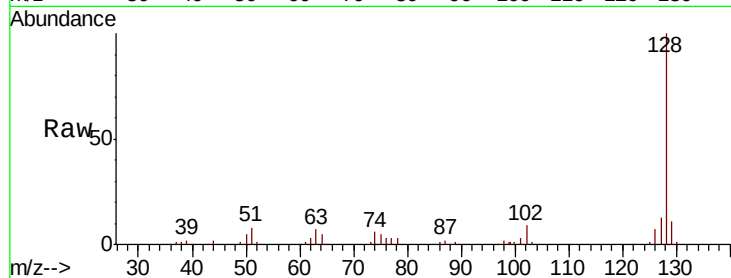
Tot Ion:128 Resp: 83651

Ion Ratio Lower Upper

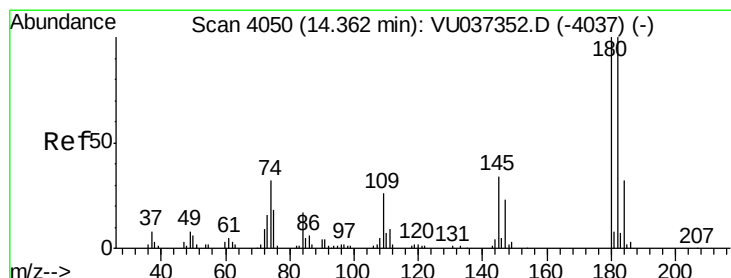
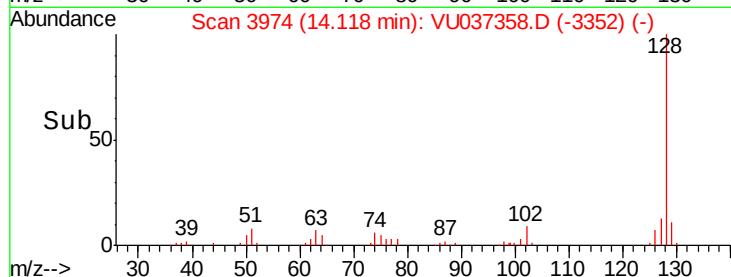
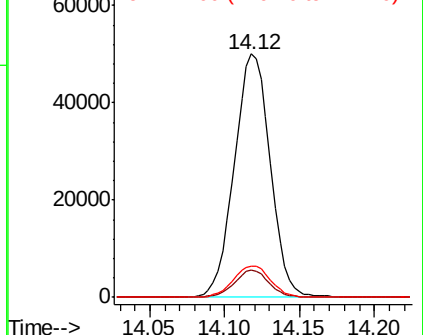
128 100

129 10.7 8.6 12.8

127 13.2 10.5 15.7



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: 5.079 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037358.D

Acq: 20 Mar 2020 21:01

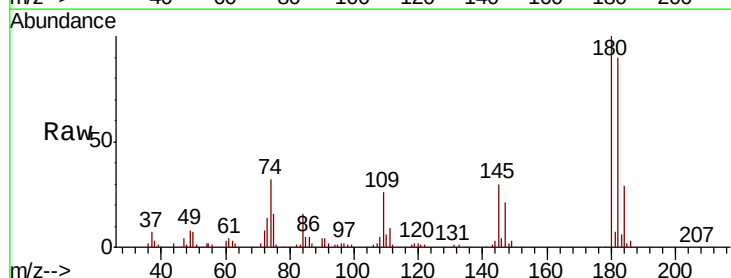
Tgt Ion:180 Resp: 60548

Ion Ratio Lower Upper

180 100

182 93.5 79.6 119.4

145 32.1 27.0 40.6



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

