

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032020\
 Data File : VU037355.D
 Acq On : 20 Mar 2020 19:21
 Operator : JC/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 21 00:42:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 21 00:26:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	152613	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	151458	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	79180	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	49508	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.93	69	40173	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.59	63	95142	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	4.68	46	132034	54.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.96%
24) Chloroform-d	5.11	84	99629	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.74	65	58623	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.76	84	178705	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.72	67	56353	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.93	98	176810	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	8.20	79	26940	5.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.00%
46) 2-Hexanone-d5	8.66	63	114028	57.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.44%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	50099	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	68838	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	81094	4.788	ug/L 99
3) Chloromethane	1.53	50	80236	4.698	ug/L 100
5) Vinyl chloride	1.62	62	73821	4.882	ug/L 98
6) Bromomethane	1.87	94	32686	5.389	ug/L 96
8) Chloroethane	1.95	64	41902	5.000	ug/L 98
9) Trichlorofluoromethane	2.15	101	109959	4.786	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	50085	4.703	ug/L 98
12) 1,1-Dichloroethene	2.60	96	47842	4.850	ug/L 93
13) Acetone	2.67	43	93515	55.480	ug/L 94
14) Carbon disulfide	2.82	76	165222	4.856	ug/L 99
15) Methyl Acetate	2.99	43	24279	5.457	ug/L 95
16) Methylene chloride	3.08	84	52573	4.826	ug/L 100
17) Methyl tert-butyl Ether	3.40	73	136801	5.245	ug/L 97
18) trans-1,2-Dichloroethene	3.39	96	50995	4.865	ug/L 98
19) 1,1-Dichloroethane	3.91	63	98146	4.873	ug/L 99
21) 2-Butanone	4.76	43	156834	54.938	ug/L 98
22) cis-1,2-Dichloroethene	4.71	96	56163	4.914	ug/L 93

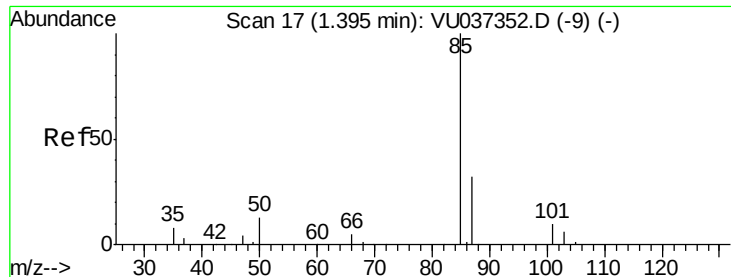
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032020\
 Data File : VU037355.D
 Acq On : 20 Mar 2020 19:21
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Quant Time: Mar 21 00:42:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 21 00:26:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	25896	4.932	ug/L	95
25) Chloroform	5.13	83	105889	4.727	ug/L	97
27) 1,2-Dichloroethane	5.83	62	74011	4.852	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	99398	4.910	ug/L	100
30) Cyclohexane	5.42	56	86269	5.016	ug/L	99
31) Carbon tetrachloride	5.56	117	88560	5.045	ug/L	97
33) Benzene	5.81	78	214269	4.950	ug/L	100
34) Trichloroethene	6.57	95	58047	4.878	ug/L	98
35) Methylcyclohexane	6.79	83	87910	4.987	ug/L	96
37) 1,2-Dichloropropane	6.82	63	56446	4.978	ug/L	99
38) Bromodichloromethane	7.14	83	76904	4.943	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	84790	5.047	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	398437	56.039	ug/L	99
42) Toluene	8.00	91	236898	5.058	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	77970	5.078	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	42644	5.230	ug/L	98
47) Tetrachloroethene	8.58	164	46292	4.811	ug/L	97
48) 2-Hexanone	8.71	43	296639	58.553	ug/L	97
49) Dibromochloromethane	8.84	129	53231	4.990	ug/L	98
50) 1,2-Dibromoethane	8.95	107	39937	4.989	ug/L	96
51) Chlorobenzene	9.47	112	146772	4.836	ug/L	100
52) Ethylbenzene	9.59	91	259227	4.958	ug/L	98
53) m,p-Xylene	9.71	106	95991	5.032	ug/L	98
54) o-Xylene	10.12	106	94332	5.062	ug/L	98
55) Styrene	10.13	104	158264	5.096	ug/L	97
56) Isopropylbenzene	10.50	105	261474	5.086	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	54194	5.289	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	40968	5.388	ug/L	100
61) Bromoform	10.31	173	32529	4.893	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	119795	4.756	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	120971	4.752	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	115331	4.766	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	10606	5.700	ug/L	89
67) 1,3,5-Trichlorobenzene	13.24	180	88449	4.742	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	71599	5.240	ug/L	99
69) Naphthalene	14.12	128	107968	5.756	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	70349	5.445	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.788 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

Instrument :

MSVOA_U

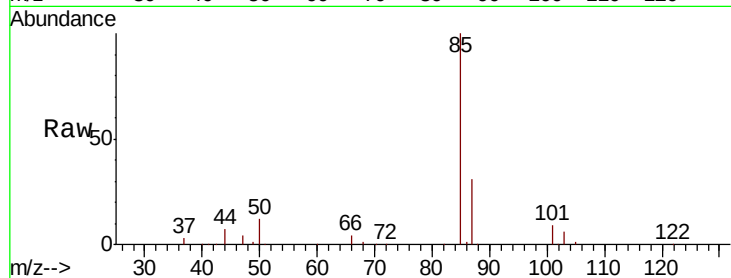
ClientSampleId :

Tot Ion: 85 Resp: 81094

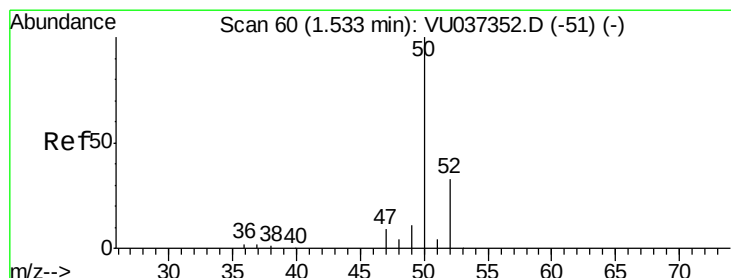
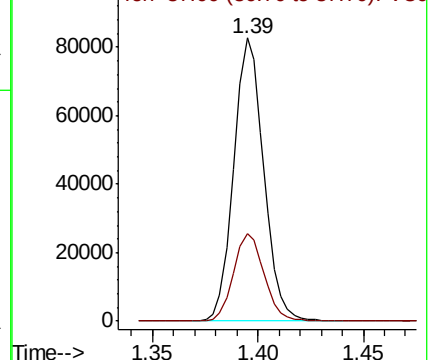
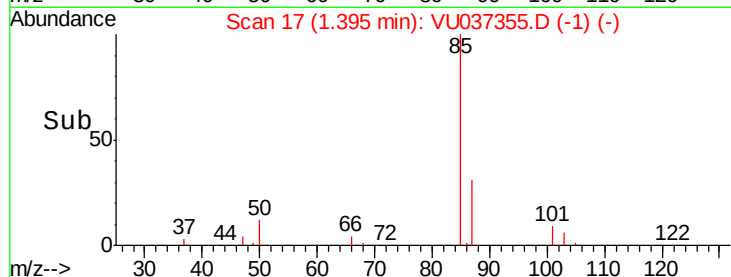
Ion Ratio Lower Upper

85 100

87 31.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU037355.D (-1) (-)



#3

Chloromethane

Concen: 4.698 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037355.D

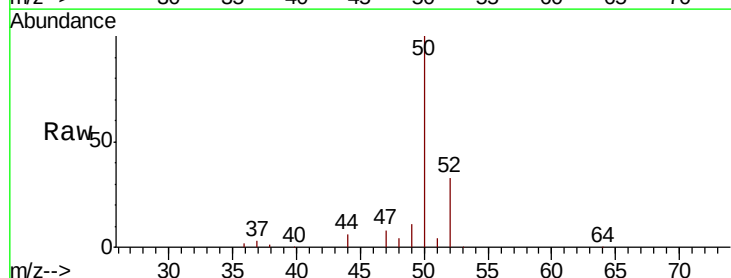
Acq: 20 Mar 2020 19:21

Tgt Ion: 50 Resp: 80236

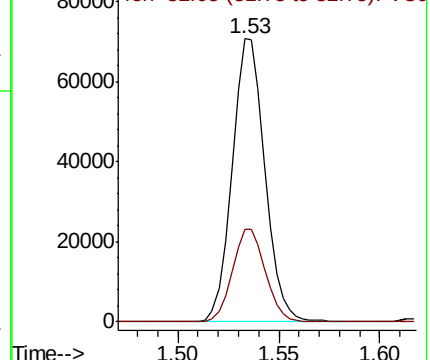
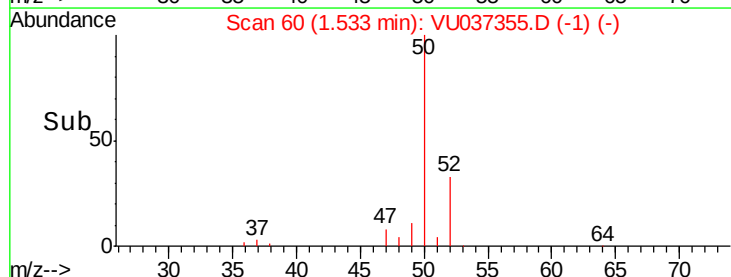
Ion Ratio Lower Upper

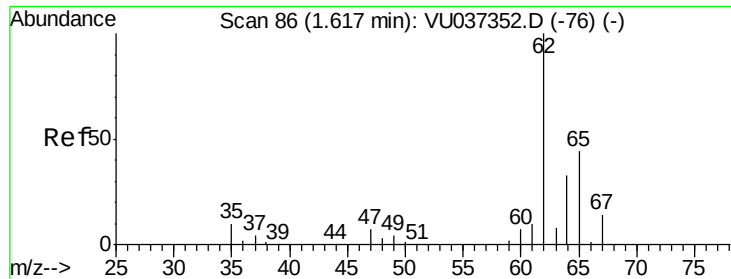
50 100

52 32.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU037355.D (-1) (-)





#5

Vinyl chloride

Concen: 4.882 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

Instrument :

MSVOA_U

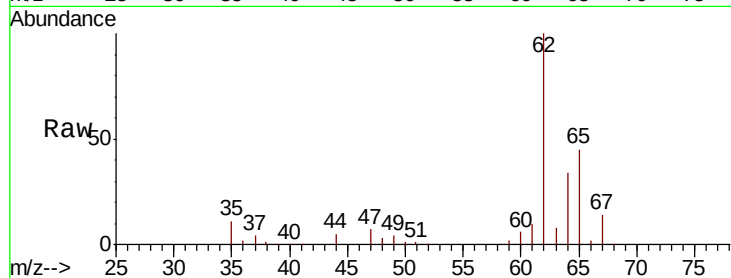
ClientSampleId :

Tot Ion: 62 Resp: 73821

Ion Ratio Lower Upper

62 100

64 34.3 23.2 43.0



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

Ion 64.10 (63.80 to 64.80): VU037355.D (-72) (-)

1.62

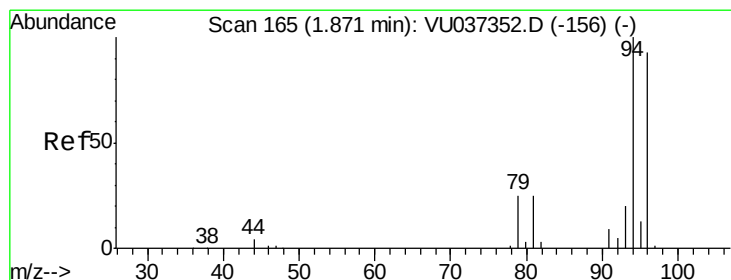
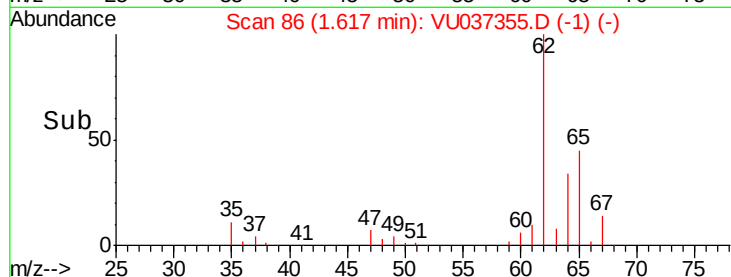
60000

40000

20000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 5.389 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037355.D

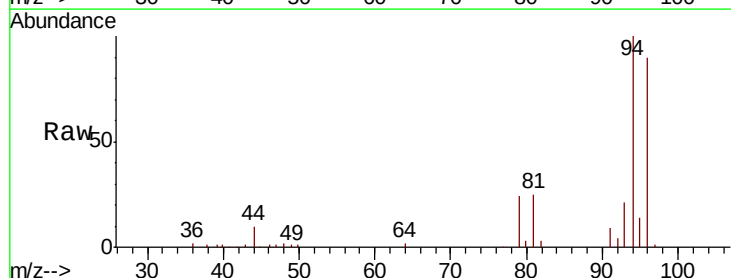
Acq: 20 Mar 2020 19:21

Tgt Ion: 94 Resp: 32686

Ion Ratio Lower Upper

94 100

96 89.5 65.1 120.9



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

Ion 96.00 (95.70 to 96.70): VU037355.D (-72) (-)

1.87

30000

25000

20000

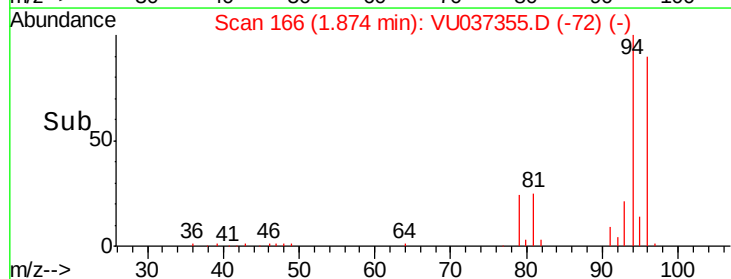
15000

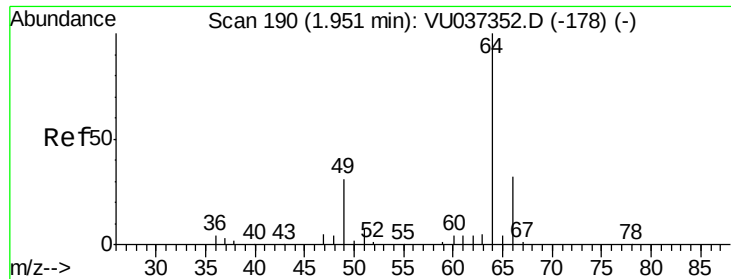
10000

5000

0

Time--> 1.80 1.85 1.90 1.95

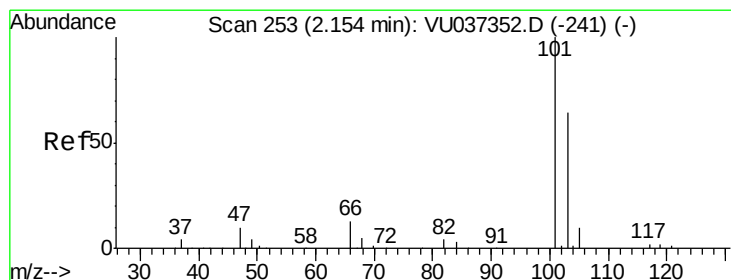
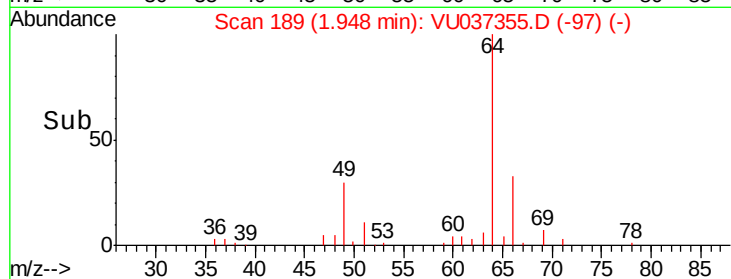
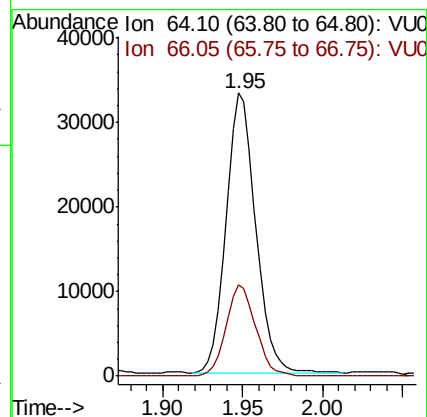
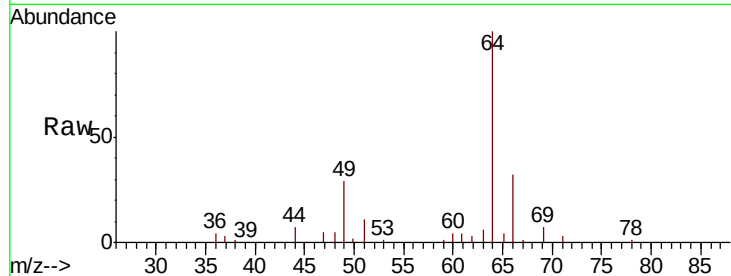




#8
Chloroethane
Concen: 5.000 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU037355.D
Acq: 20 Mar 2020 19:21

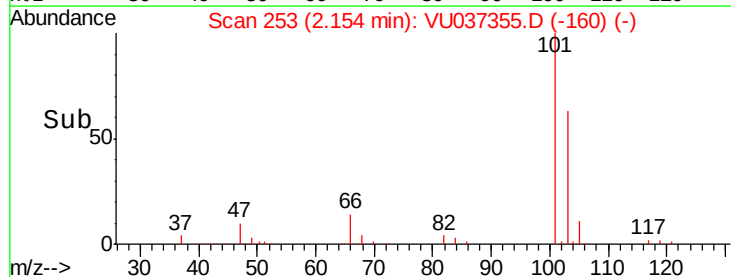
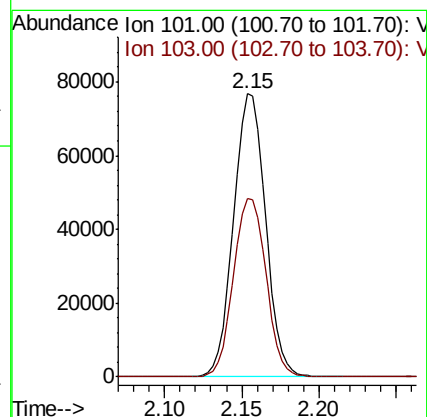
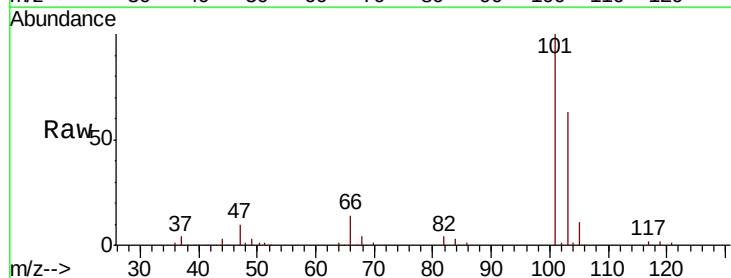
Instrument :
MSVOA_U
ClientSampleId :

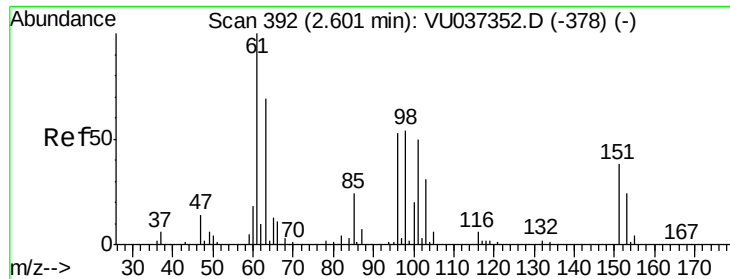
Tot Ion: 64 Resp: 41902
Ion Ratio Lower Upper
64 100
66 32.2 21.8 40.6



#9
Trichlorofluoromethane
Concen: 4.786 ug/L
RT: 2.15 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU037355.D
Acq: 20 Mar 2020 19:21

Tgt Ion:101 Resp: 109959
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.2





#10

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

Concen: 4.703 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

Instrument :

MSVOA_U

ClientSampled :

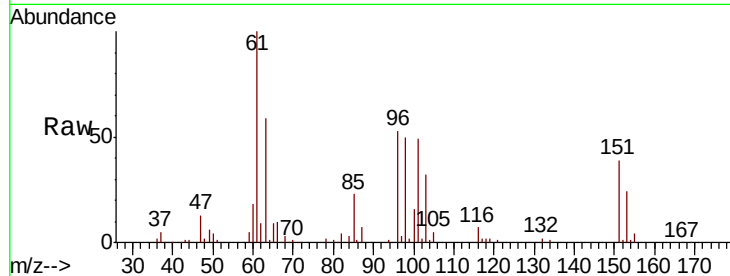
Tot Ion:101 Resp: 50085

Ion Ratio Lower Upper

101 100

85 47.9 39.0 58.4

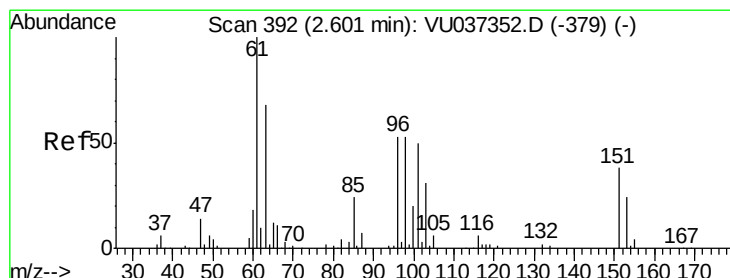
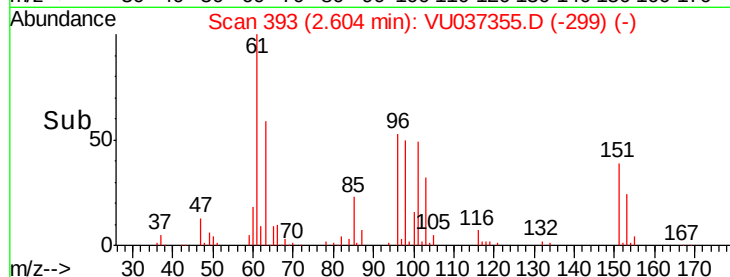
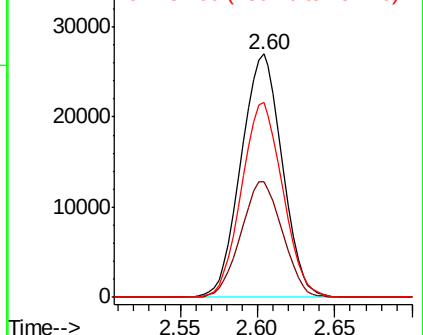
151 79.9 62.2 93.2



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: 4.850 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

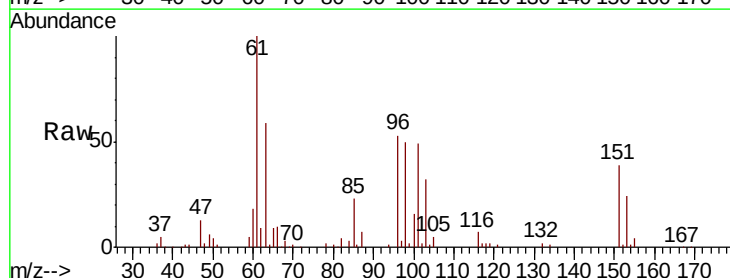
Tgt Ion: 96 Resp: 47842

Ion Ratio Lower Upper

96 100

61 189.2 131.7 244.5

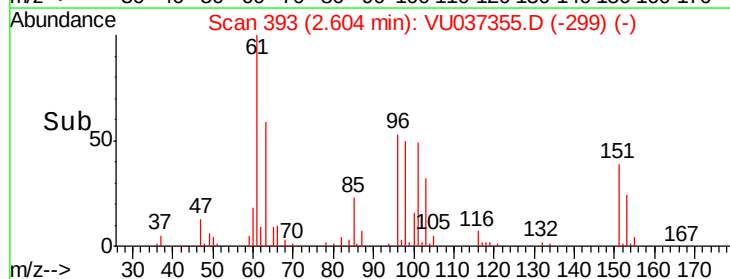
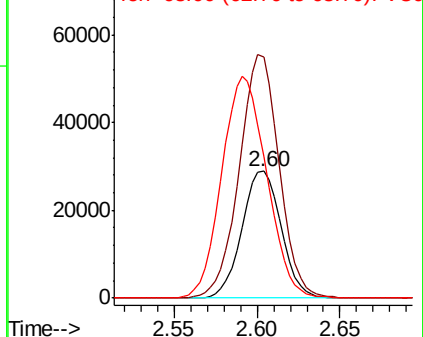
63 111.3 91.4 169.8

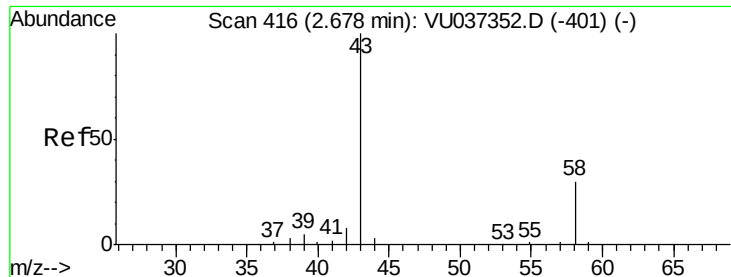


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.480 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

Instrument :

MSVOA_U

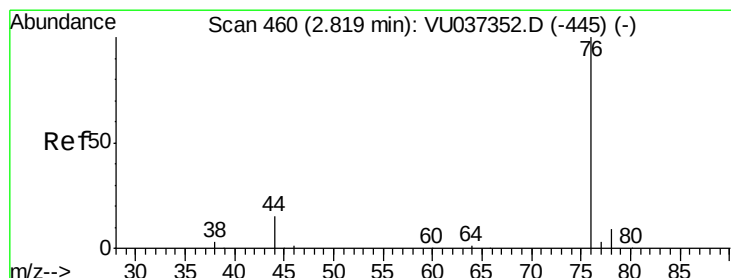
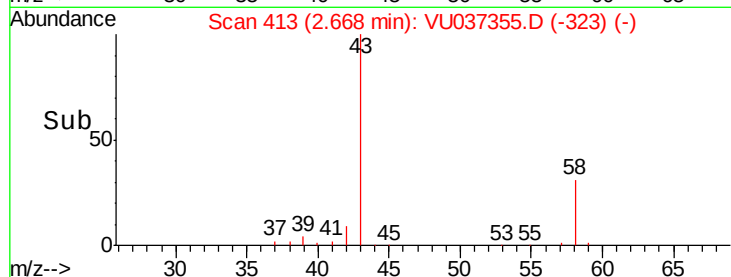
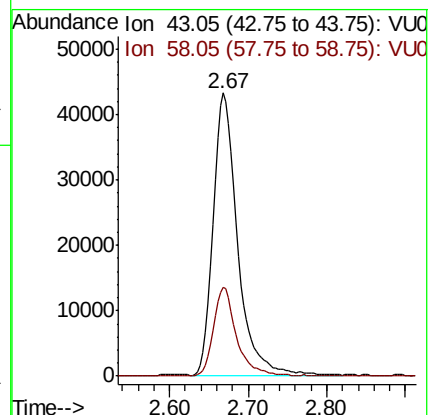
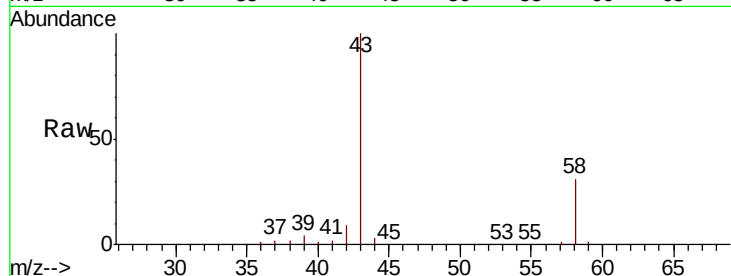
ClientSampleId :

Tot Ion: 43 Resp: 93515

Ion Ratio Lower Upper

43 100

58 29.2 0.0 52.4



#14

Carbon disulfide

Concen: 4.856 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037355.D

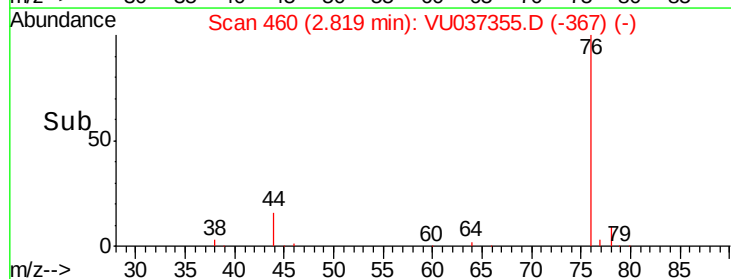
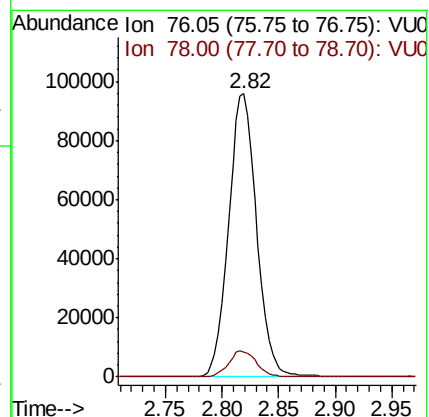
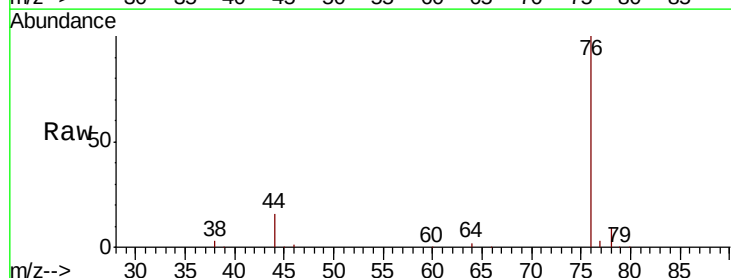
Acq: 20 Mar 2020 19:21

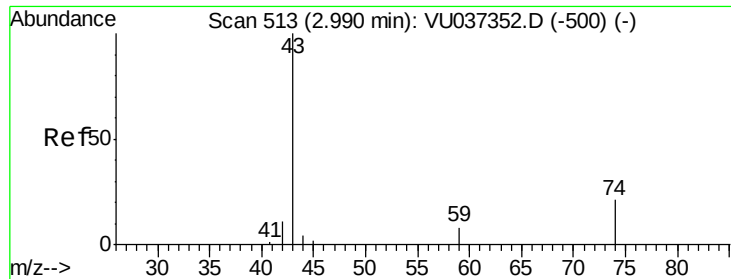
Tgt Ion: 76 Resp: 165222

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4

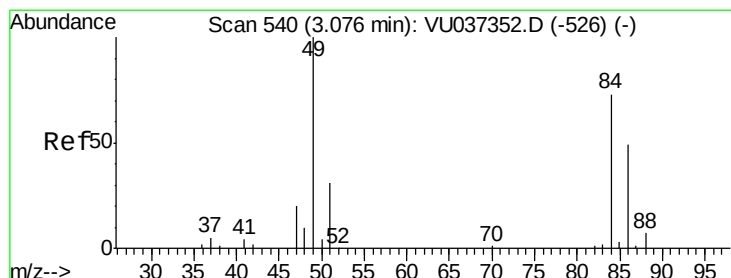
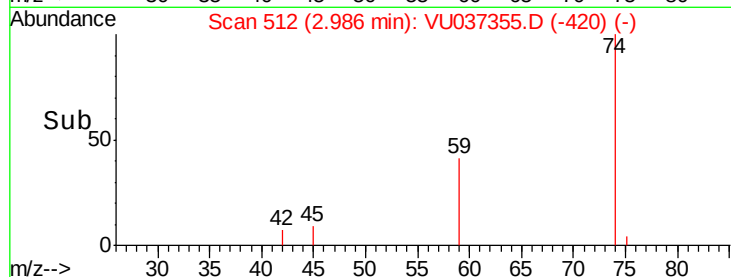
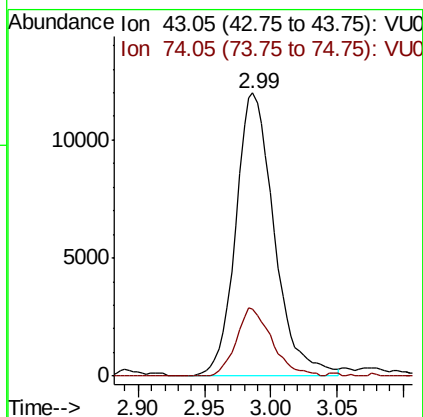
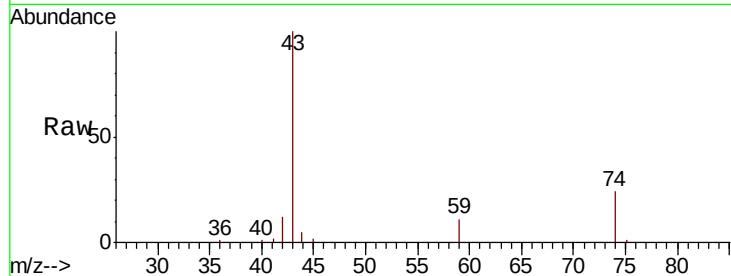




#15
Methvl Acetate
Concen: 5.457 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU037355.D
Acq: 20 Mar 2020 19:21

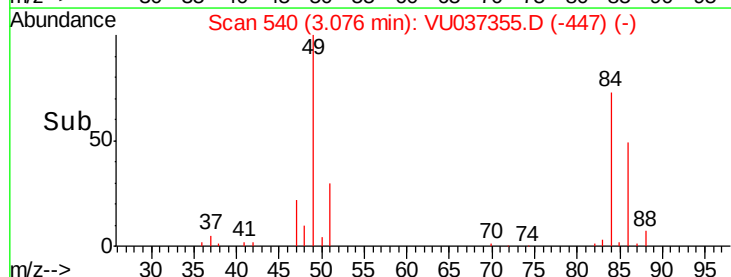
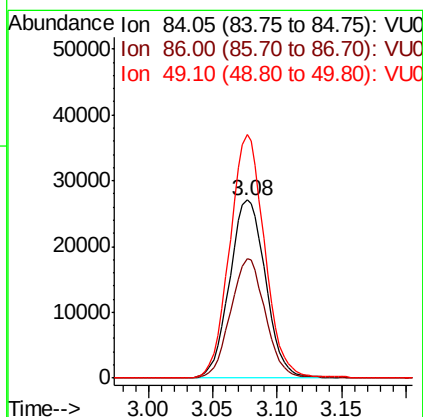
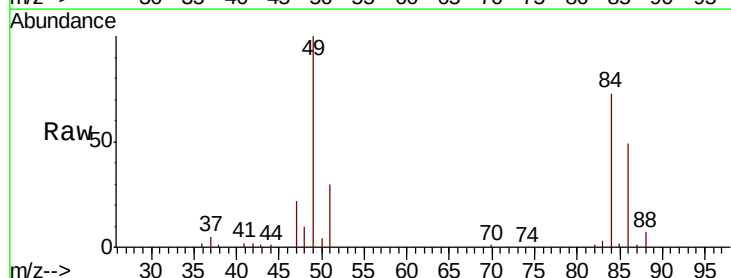
Instrument :
MSVOA_U
ClientSampled :

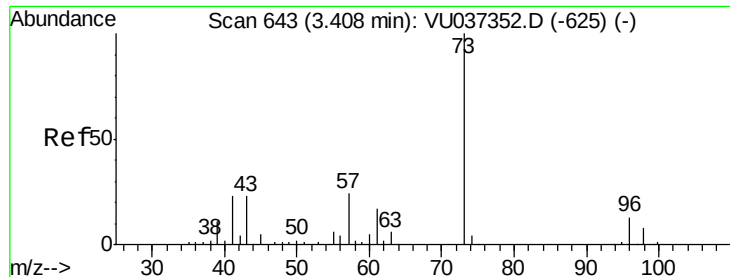
Tot Ion: 43 Resp: 24279
Ion Ratio Lower Upper
43 100
74 22.2 19.5 29.3



#16
Methylene chloride
Concen: 4.826 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037355.D
Acq: 20 Mar 2020 19:21

Tgt Ion: 84 Resp: 52573
Ion Ratio Lower Upper
84 100
86 67.2 46.8 87.0
49 136.8 95.4 177.2

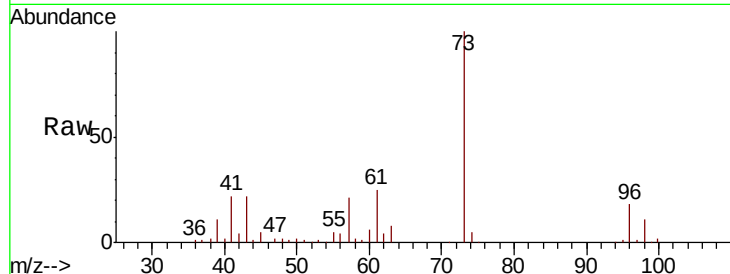




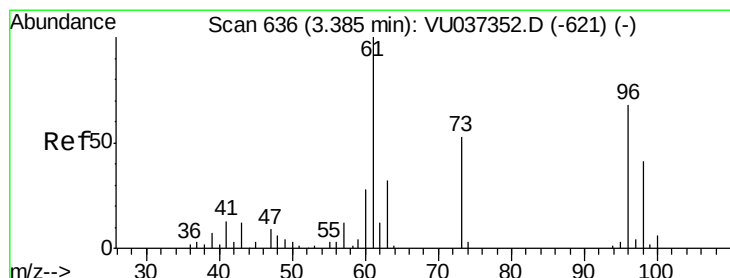
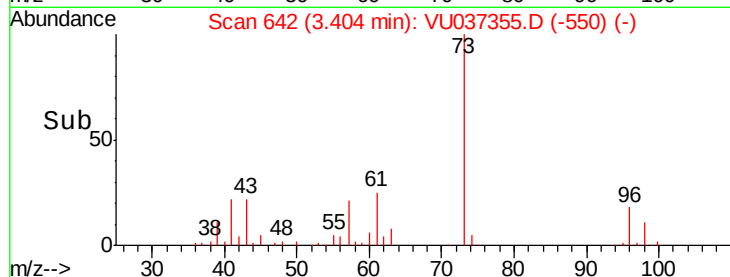
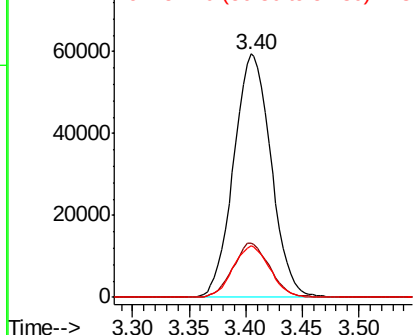
#17
Methyl tert-butyl Ether
Concen: 5.245 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU037355.D
Acq: 20 Mar 2020 19:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 136801
Ion Ratio Lower Upper
73 100
43 21.4 18.2 27.2
57 20.9 17.9 26.9

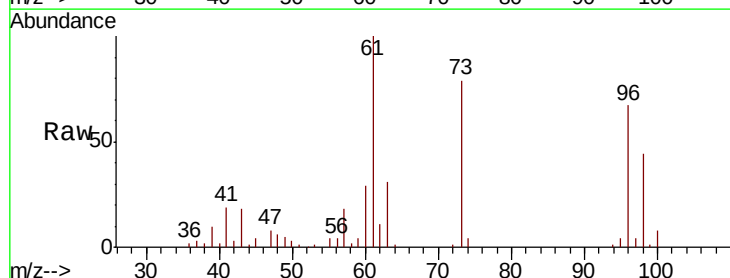


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

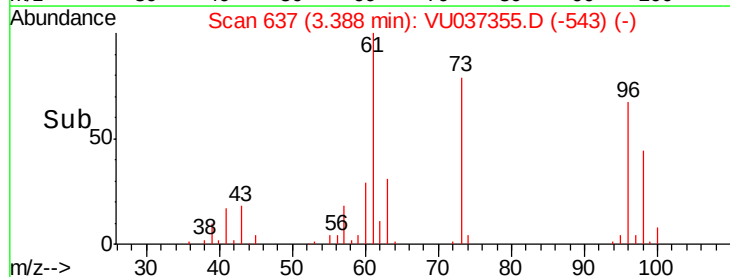
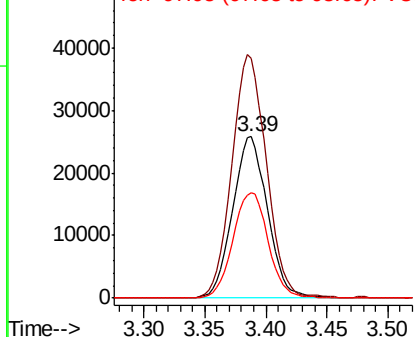


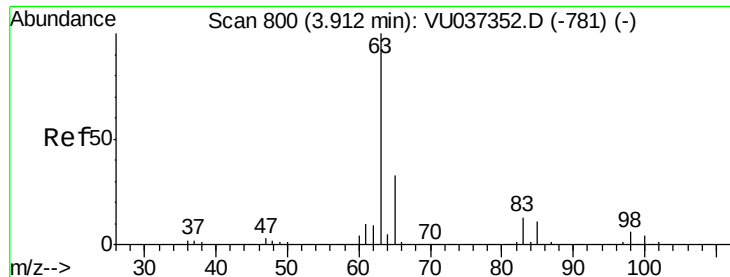
#18
trans-1,2-Dichloroethene
Concen: 4.865 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037355.D
Acq: 20 Mar 2020 19:21

Tgt Ion: 96 Resp: 50995
Ion Ratio Lower Upper
96 100
61 148.4 103.5 192.1
98 65.4 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

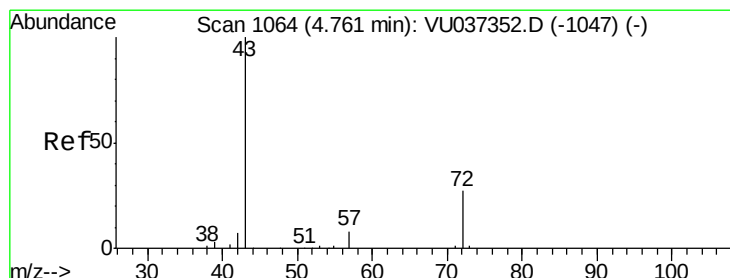
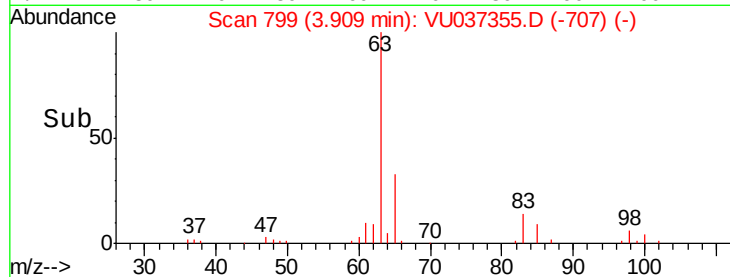
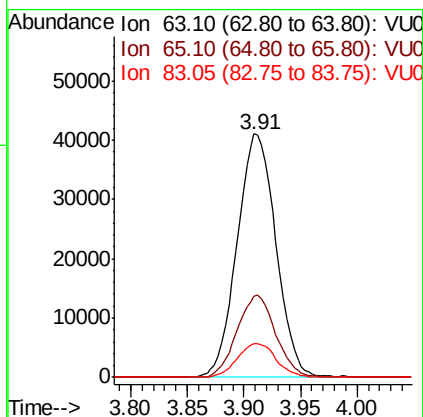
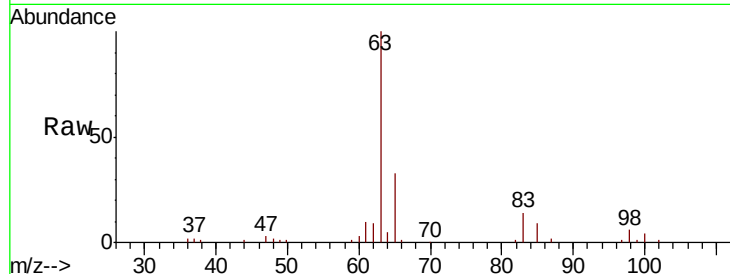




#19
 1,1-Dichloroethane
 Concen: 4.873 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037355.D
 Acq: 20 Mar 2020 19:21

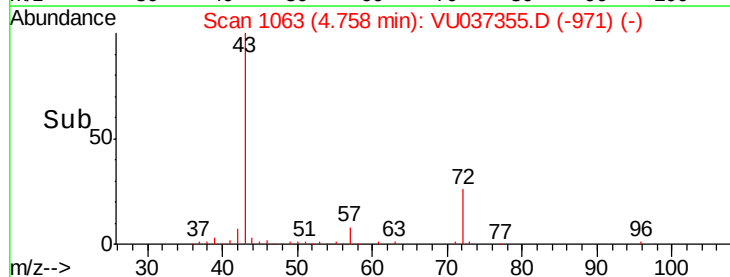
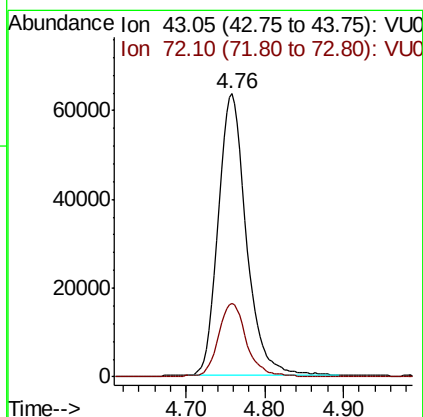
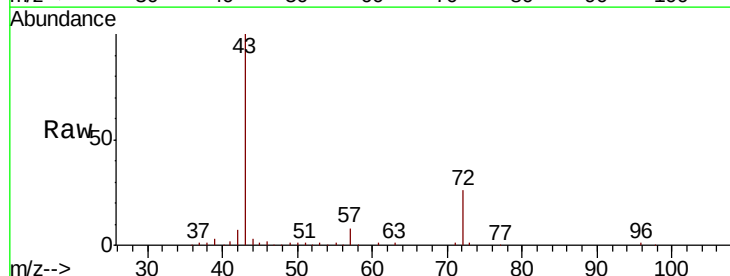
Instrument :
 MSVOA_U
 ClientSampled :

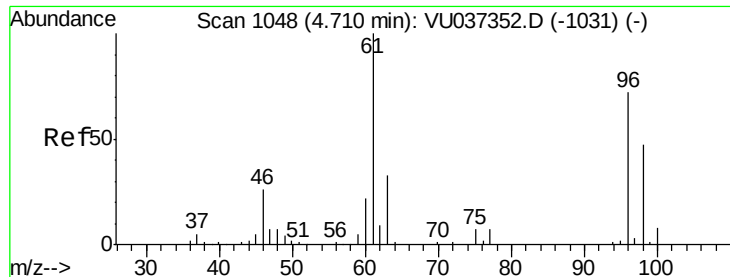
Tot Ion: 63 Resp: 98146
 Ion Ratio Lower Upper
 63 100
 65 33.1 22.9 42.5
 83 14.0 9.2 17.0



#21
 2-Butanone
 Concen: 54.938 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VU037355.D
 Acq: 20 Mar 2020 19:21

Tgt Ion: 43 Resp: 156834
 Ion Ratio Lower Upper
 43 100
 72 26.5 12.9 38.6





#22

cis-1,2-Dichloroethene

Concen: 4.914 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

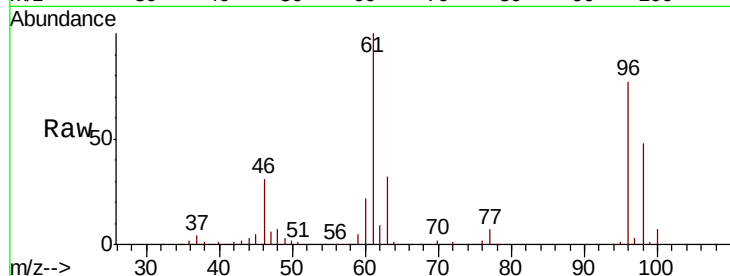
Tot Ion: 96 Resp: 56163

Ion Ratio Lower Upper

96 100

61 130.5 97.6 181.4

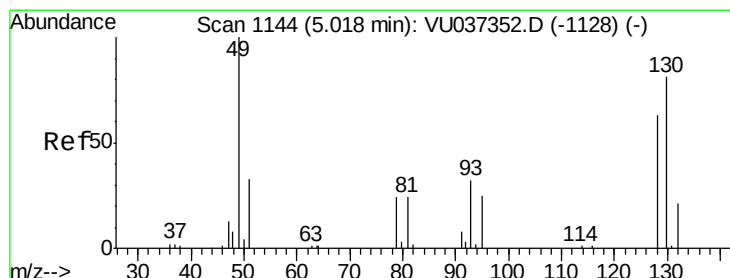
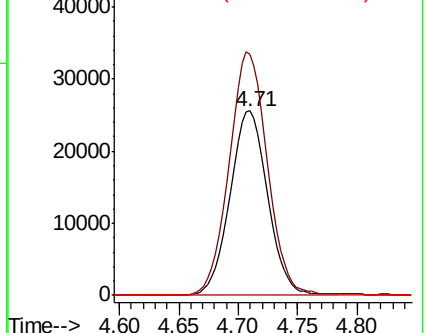
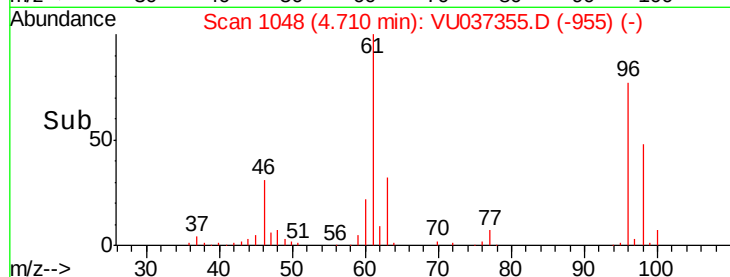
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037355.D (-955) (-)

Ion 61.05 (60.75 to 61.75): VU037355.D (-955) (-)

Ion 68.15 (67.85 to 68.85): VU037355.D (-955) (-)



#23

Bromochloromethane

Concen: 4.932 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

Tgt Ion:128 Resp: 25896

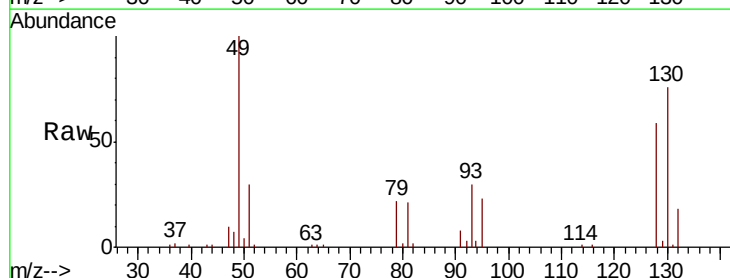
Ion Ratio Lower Upper

128 100

49 170.2 110.7 205.7

130 128.6 89.2 165.6

51 50.6 42.1 63.1

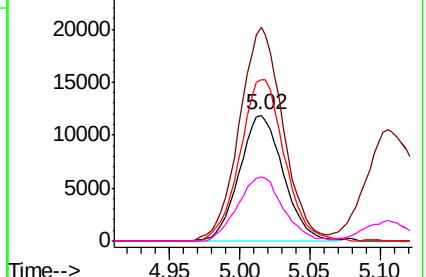
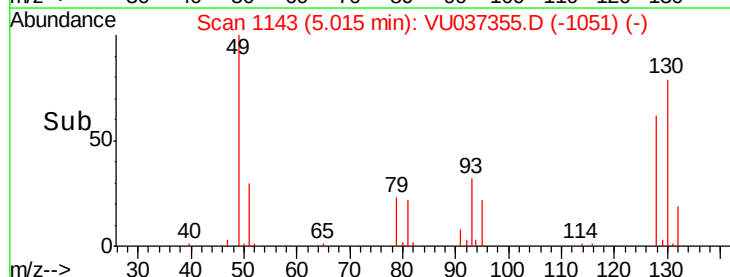


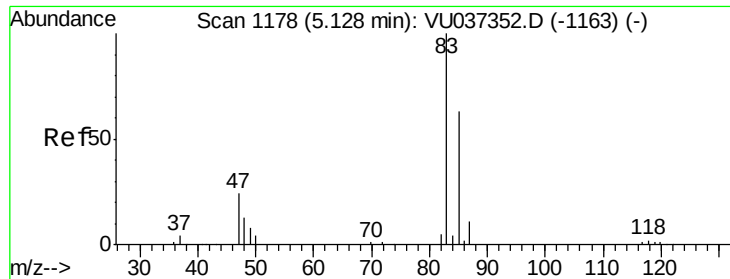
Abundance Ion 127.90 (127.60 to 128.60): VU037355.D (-1051) (-)

Ion 49.10 (48.80 to 49.80): VU037355.D (-1051) (-)

Ion 129.95 (129.65 to 130.65): VU037355.D (-1051) (-)

Ion 51.05 (50.75 to 51.75): VU037355.D (-1051) (-)

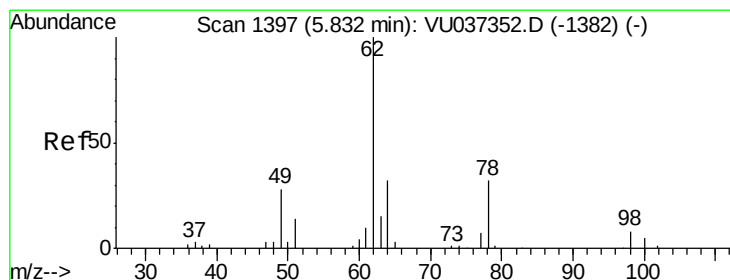
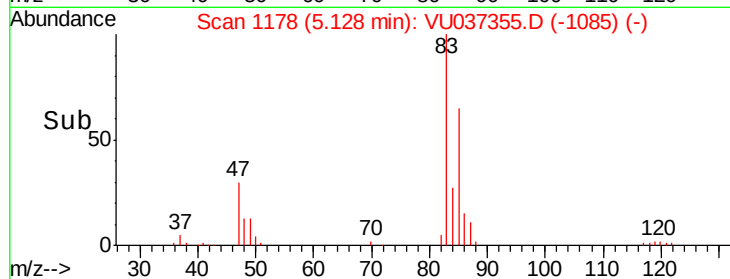
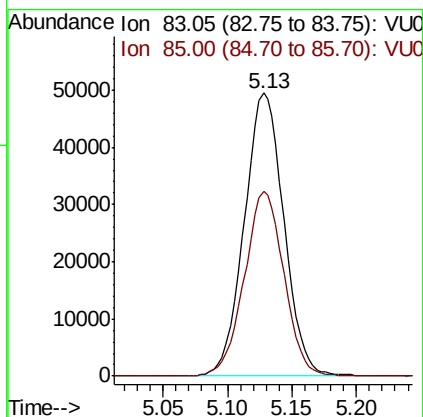
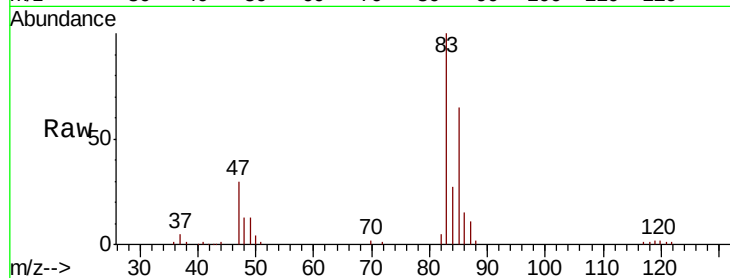




#25
Chloroform
Concen: 4.727 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037355.D
Acq: 20 Mar 2020 19:21

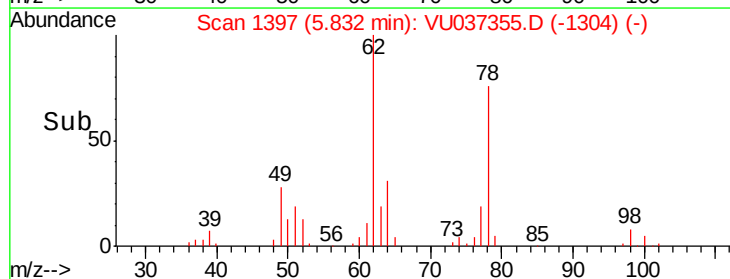
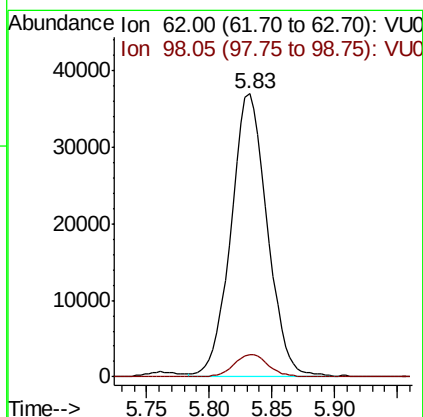
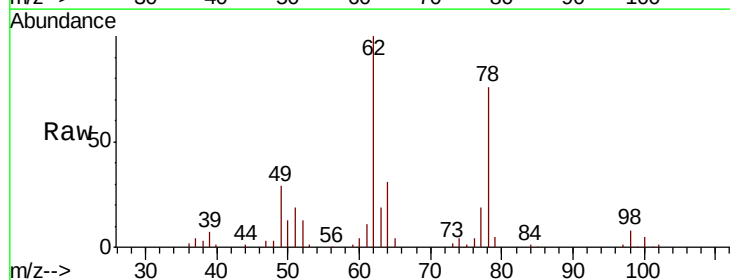
Instrument :
MSVOA_U
ClientSampled :

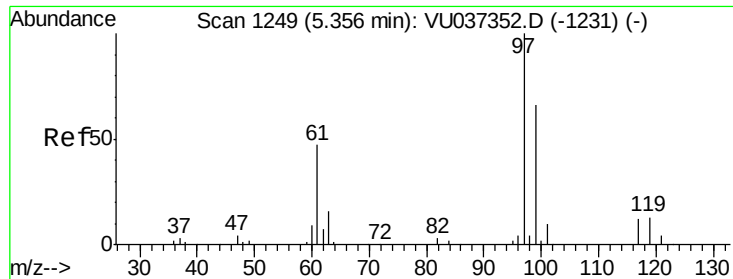
Tot Ion: 83 Resp: 105889
Ion Ratio Lower Upper
83 100
85 65.3 44.1 81.9



#27
1,2-Dichloroethane
Concen: 4.852 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU037355.D
Acq: 20 Mar 2020 19:21

Tgt Ion: 62 Resp: 74011
Ion Ratio Lower Upper
62 100
98 7.8 6.4 9.6

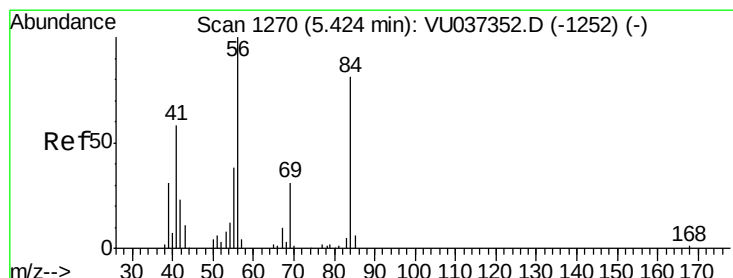
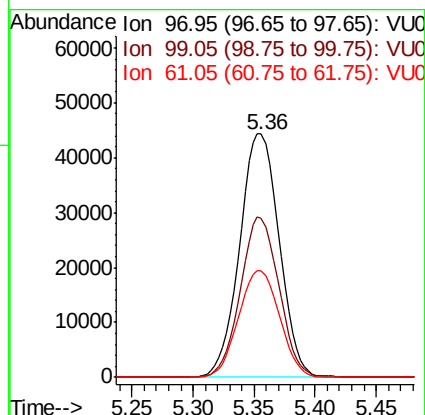
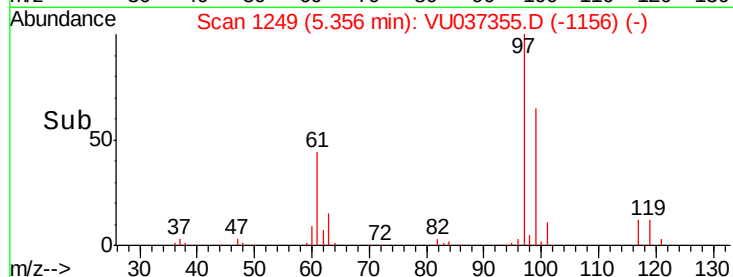
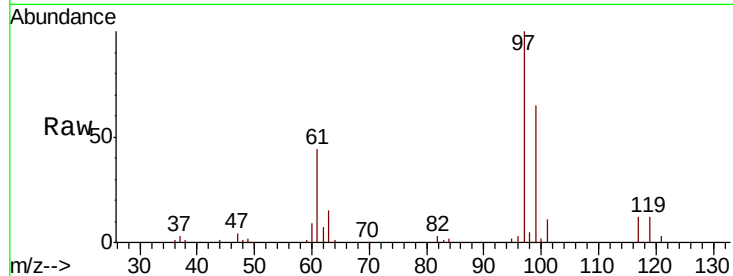




#29
1,1,1-Trichloroethane
Concen: 4.910 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU037355.D
Acq: 20 Mar 2020 19:21

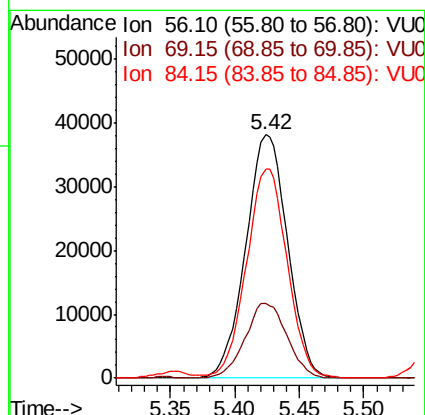
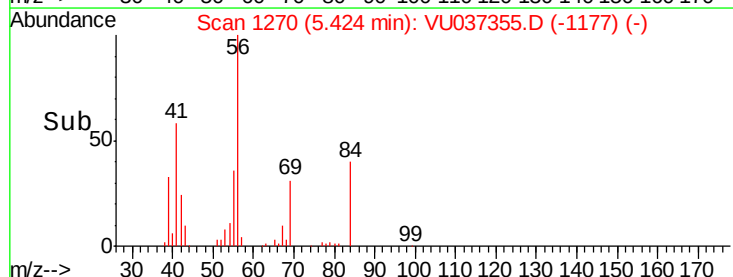
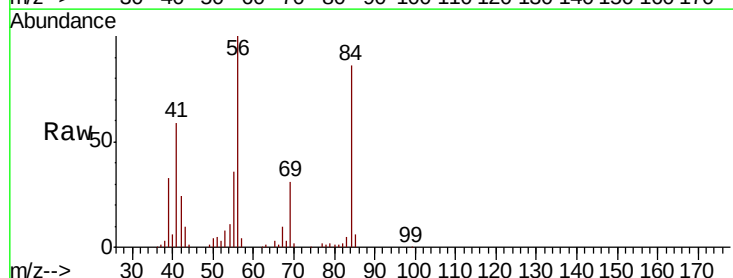
Instrument :
MSVOA_U
ClientSampled :

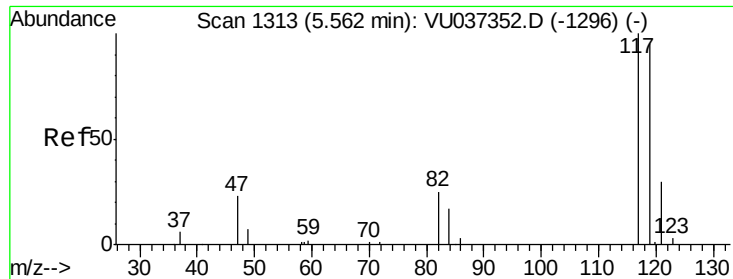
Tot Ion: 97 Resp: 99398
Ion Ratio Lower Upper
97 100
99 64.4 51.7 77.5
61 45.5 36.8 55.2



#30
Cyclohexane
Concen: 5.016 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037355.D
Acq: 20 Mar 2020 19:21

Tgt Ion: 56 Resp: 86269
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 84.3 68.5 102.7





#31

Carbon tetrachloride

Concen: 5.045 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

Instrument :

MSVOA_U

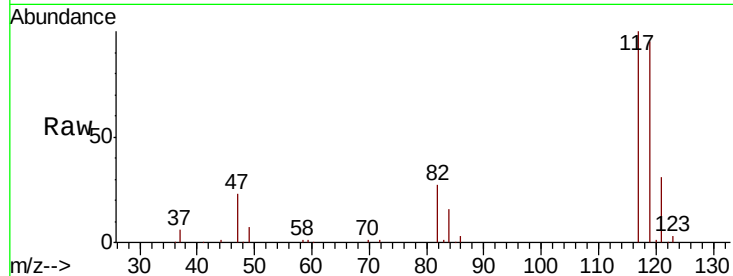
ClientSampled :

Tot Ion:117 Resp: 88560

Ion Ratio Lower Upper

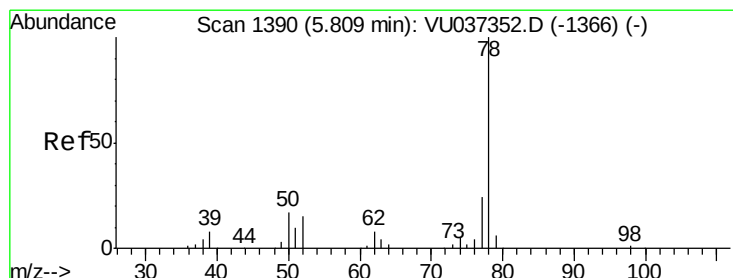
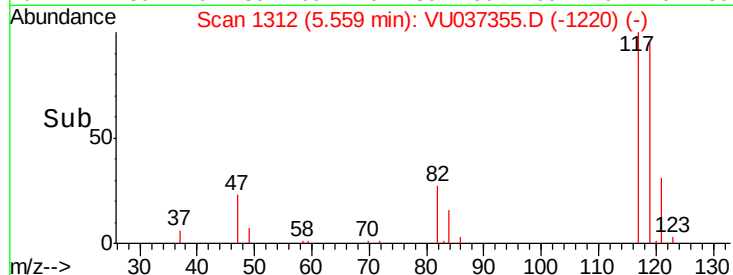
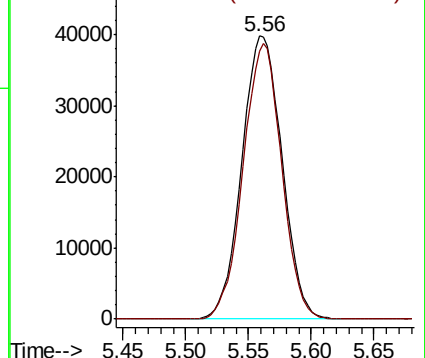
117 100

119 93.2 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.950 ug/L

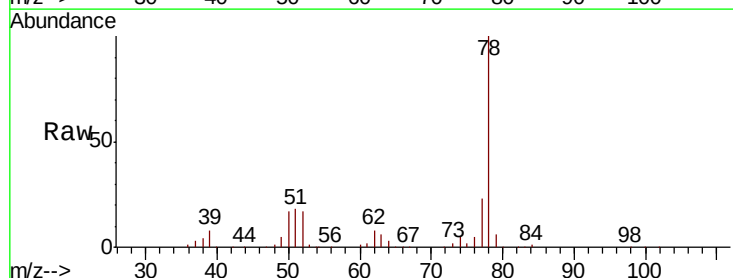
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

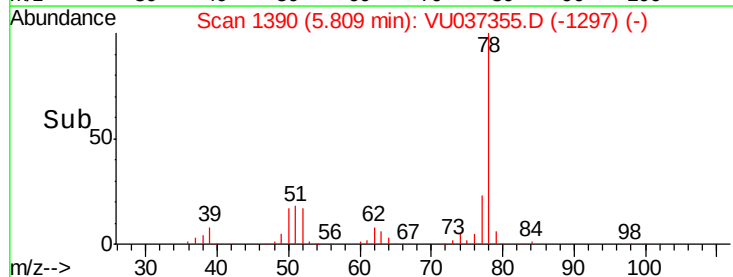
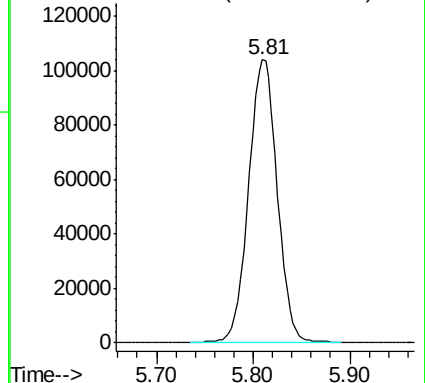
Lab File: VU037355.D

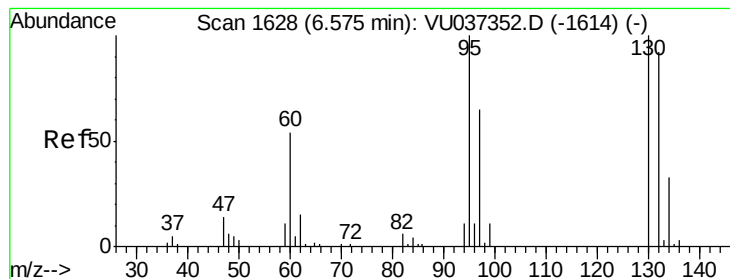
Acq: 20 Mar 2020 19:21

Tgt Ion: 78 Resp: 214269



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.878 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 58047

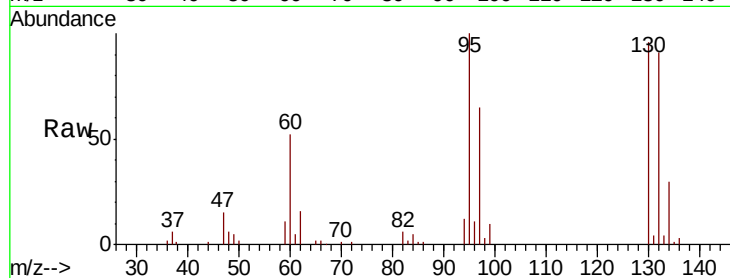
Ion Ratio Lower Upper

95 100

97 64.8 45.5 84.5

132 91.1 64.7 120.1

130 96.4 69.7 129.5

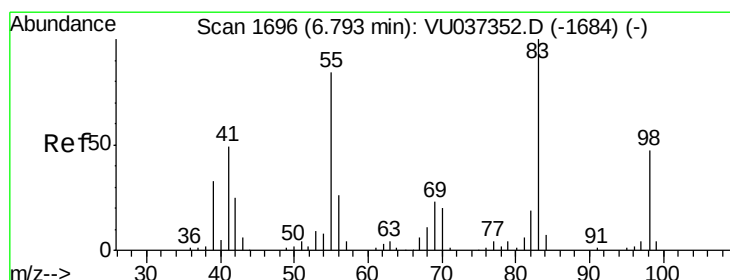
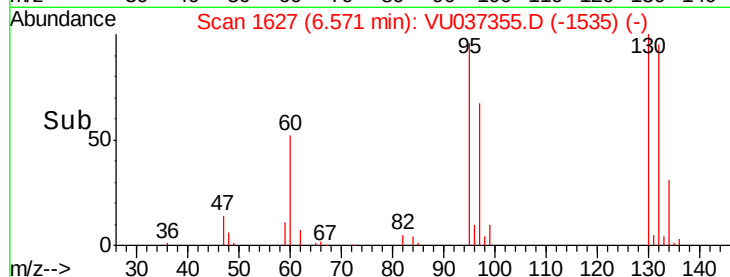
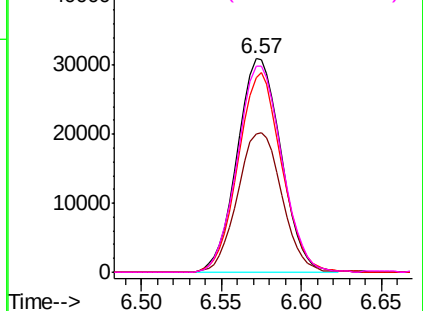


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.987 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

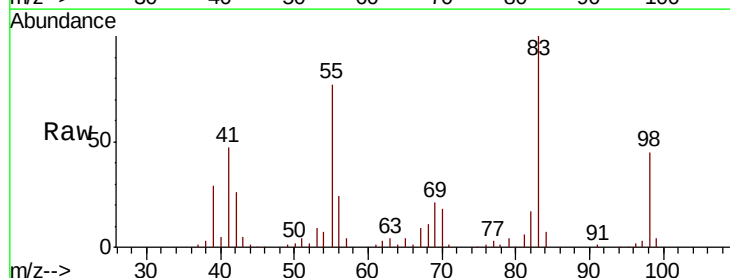
Tgt Ion: 83 Resp: 87910

Ion Ratio Lower Upper

83 100

55 78.2 65.9 98.9

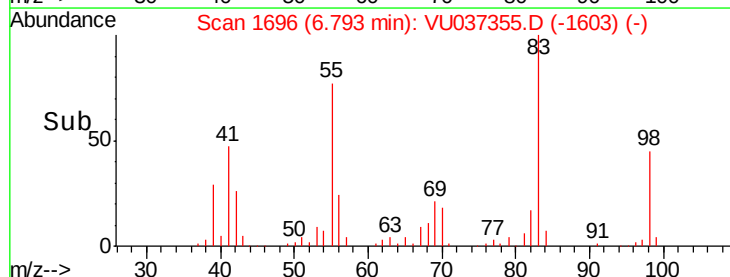
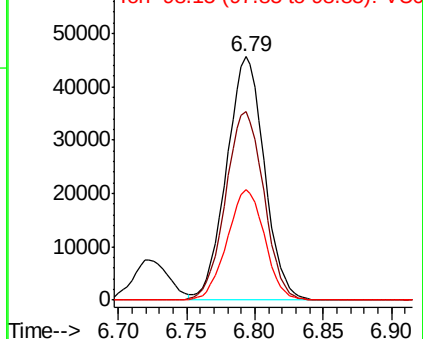
98 45.0 37.6 56.4

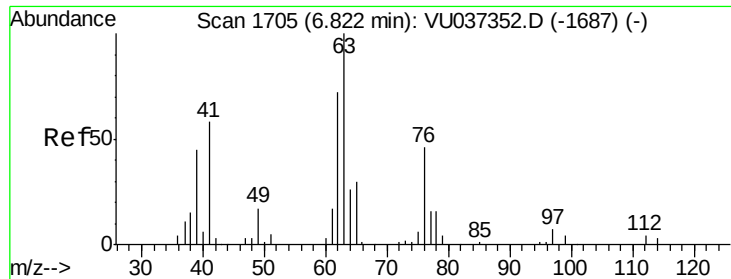


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

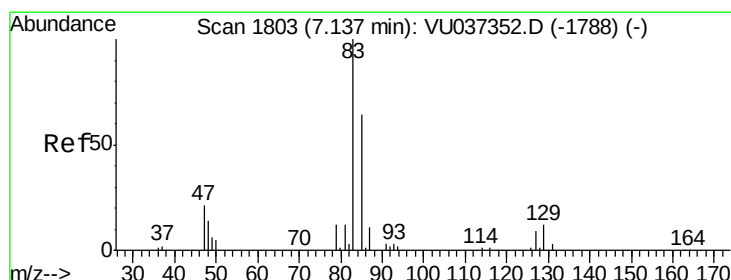
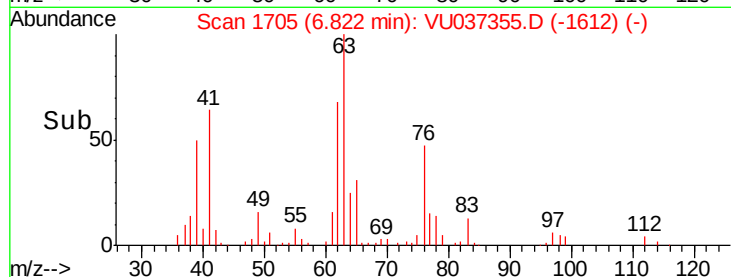
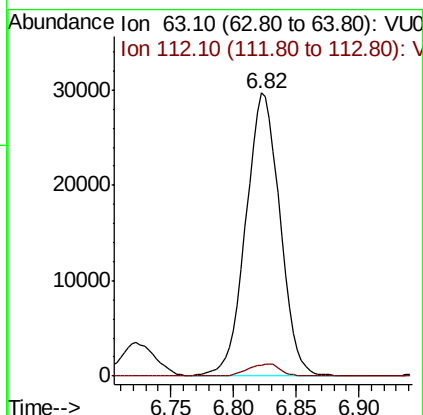
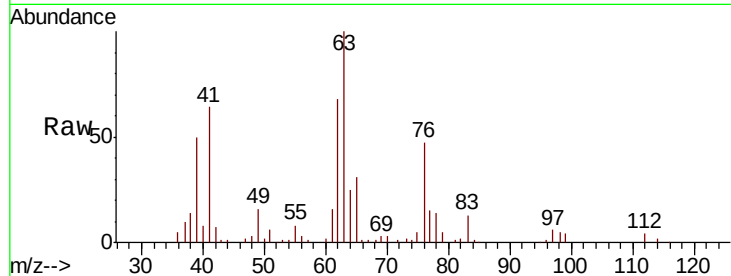




#37
 1,2-Dichloropropane
 Concen: 4.978 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037355.D
 Acq: 20 Mar 2020 19:21

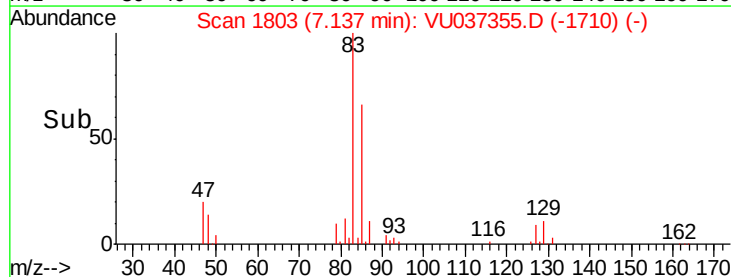
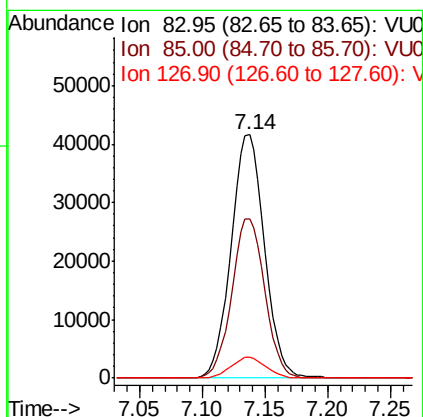
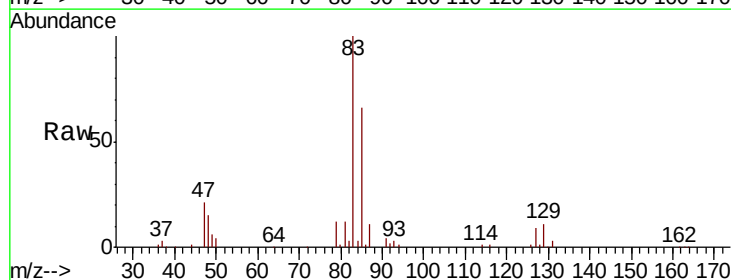
Instrument :
 MSVOA_U
 ClientSampled :

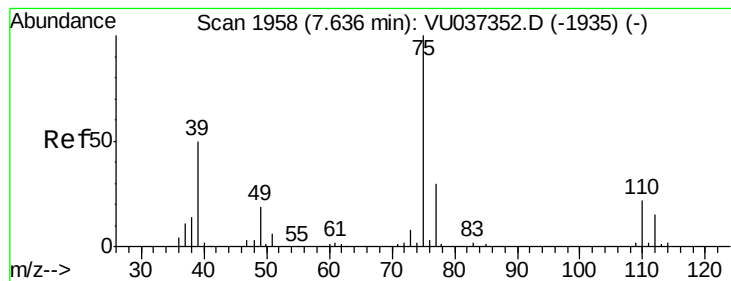
Tot Ion: 63 Resp: 56446
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.6



#38
 Bromodichloromethane
 Concen: 4.943 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU037355.D
 Acq: 20 Mar 2020 19:21

Tgt Ion: 83 Resp: 76904
 Ion Ratio Lower Upper
 83 100
 85 65.6 44.7 82.9
 127 8.7 7.0 10.6



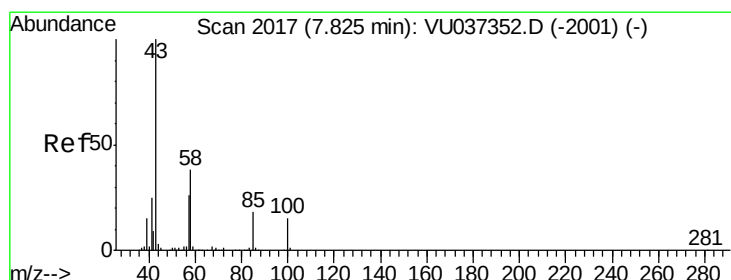
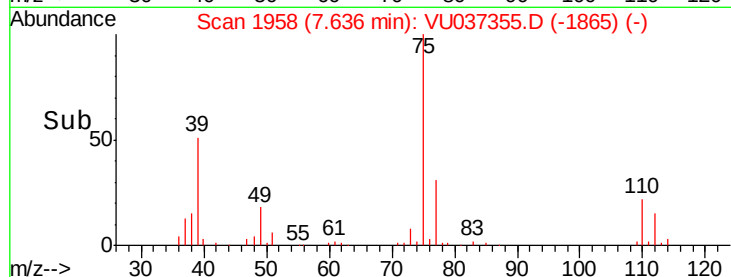
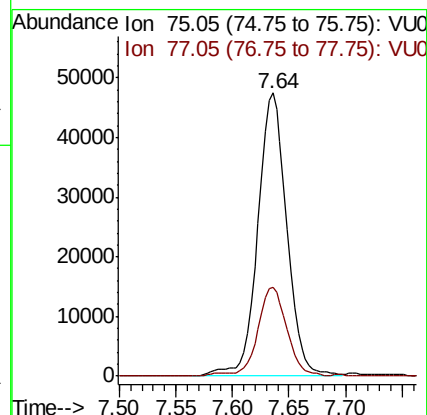
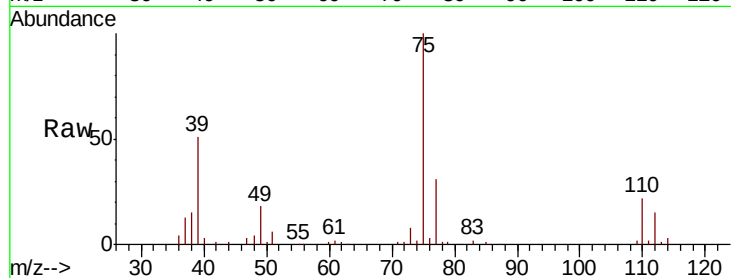


#39

cis-1,3-Dichloropropene
 Concen: 5.047 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU037355.D
 Acq: 20 Mar 2020 19:21

Instrument :
 MSVOA_U
 ClientSampleId :

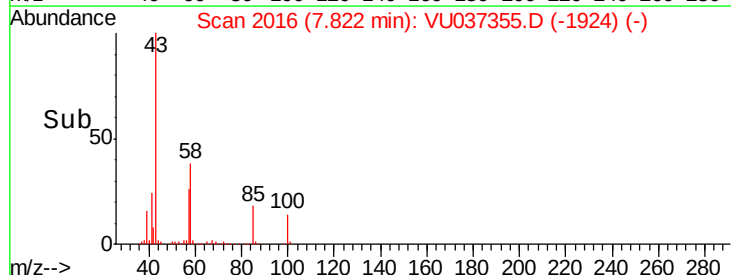
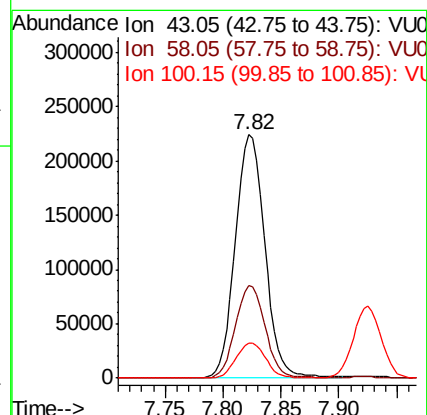
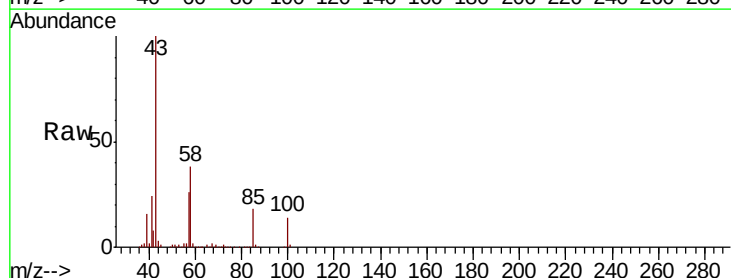
Tot Ion: 75 Resp: 84790
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.2 39.4

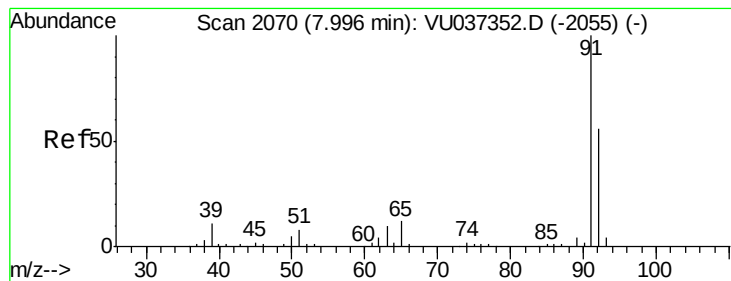


#40

4-Methyl-2-pentanone
 Concen: 56.039 ug/L
 RT: 7.82 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU037355.D
 Acq: 20 Mar 2020 19:21

Tgt Ion: 43 Resp: 398437
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.1 45.1
 100 14.5 11.8 17.6





#42

Toluene

Concen: 5.058 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

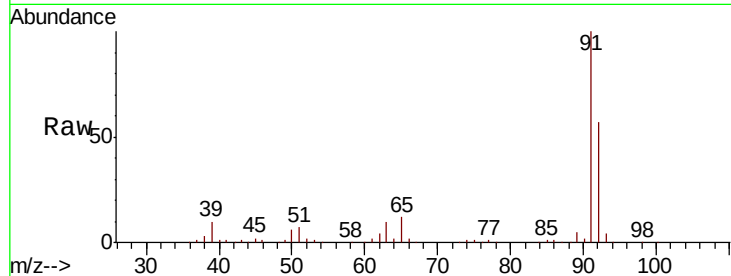
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 236898

Ion Ratio Lower Upper

91 100

92 56.5 39.0 72.4



Abundance Ion 91.15 (90.85 to 91.85): VU037352.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU037352.D (-2055) (-)

8.00

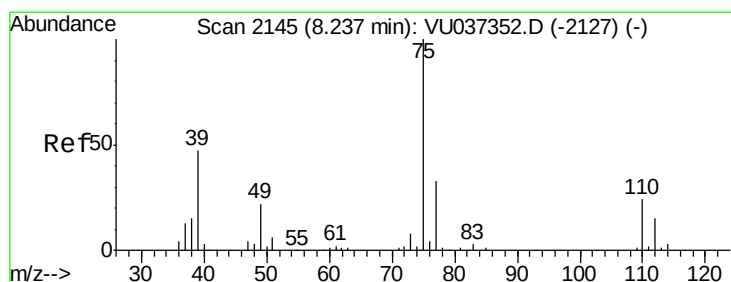
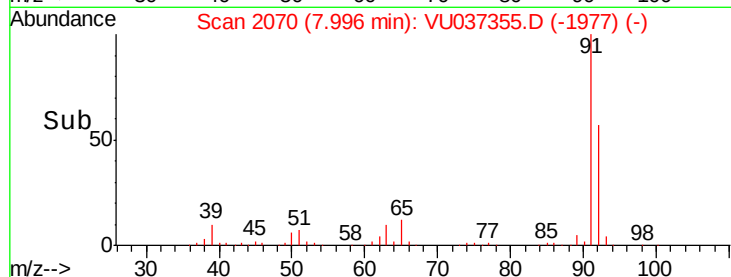
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.078 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU037355.D

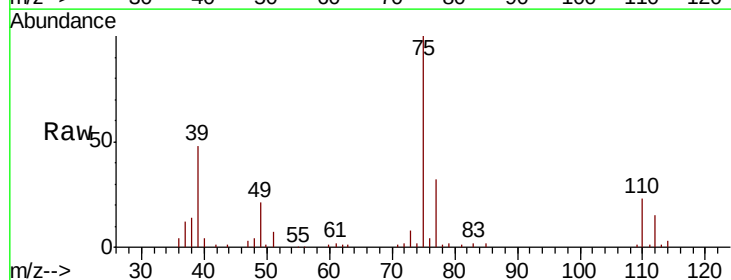
Acq: 20 Mar 2020 19:21

Tgt Ion: 75 Resp: 77970

Ion Ratio Lower Upper

75 100

77 31.8 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VU037352.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU037352.D (-2127) (-)

8.24

50000

40000

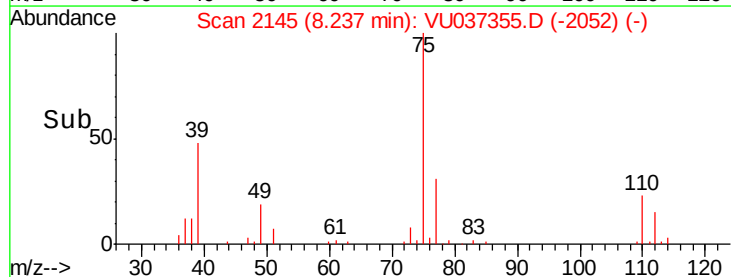
30000

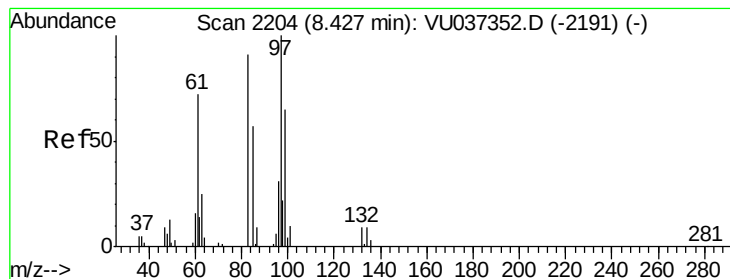
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.230 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 42644

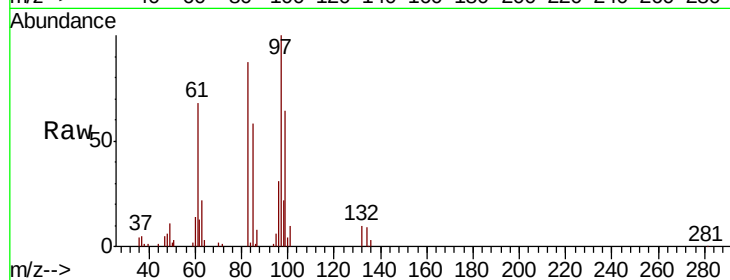
Ion Ratio Lower Upper

97 100

99 63.7 45.8 85.0

83 87.5 63.4 117.8

85 58.5 40.1 74.5



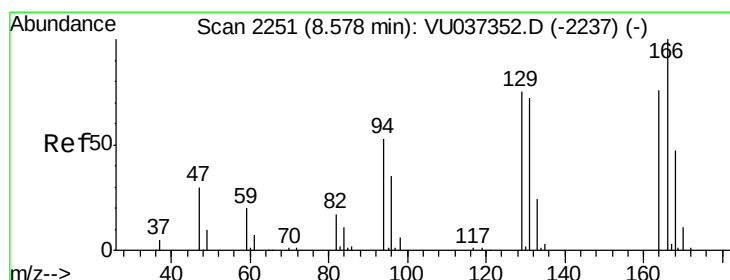
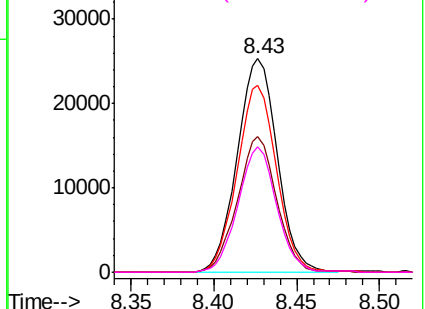
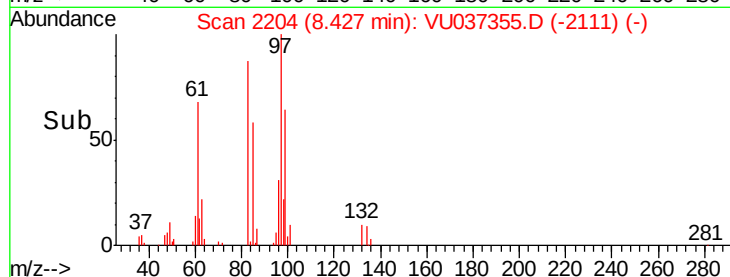
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.811 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

Tgt Ion: 164 Resp: 46292

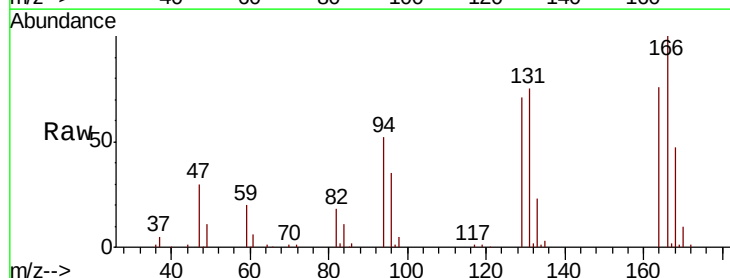
Ion Ratio Lower Upper

164 100

129 93.5 69.9 129.7

131 98.9 67.1 124.7

166 132.2 92.7 172.1



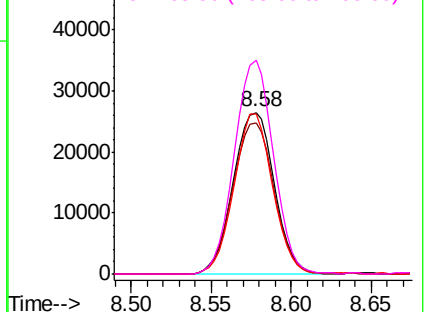
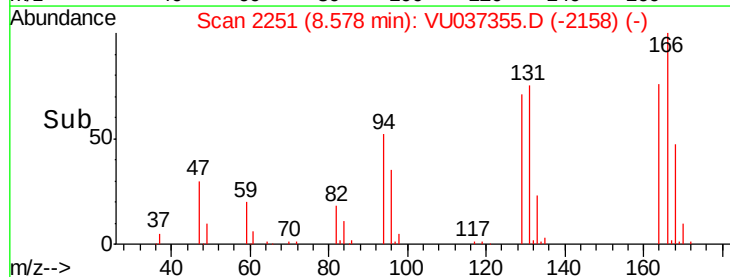
Abundance

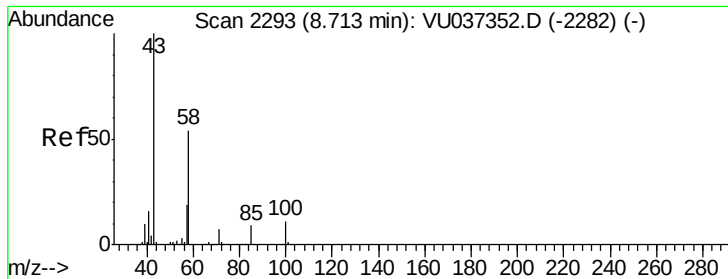
Ion 163.90 (163.60 to 164.60): V

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

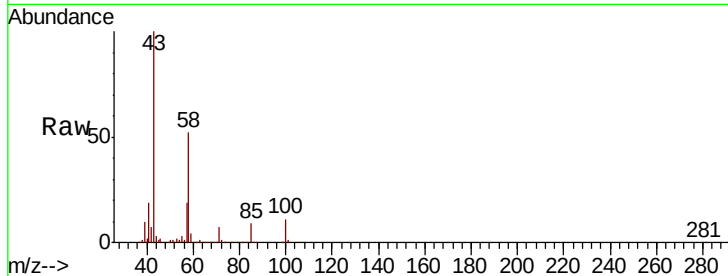




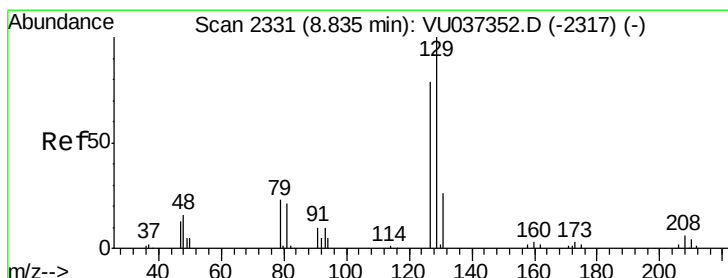
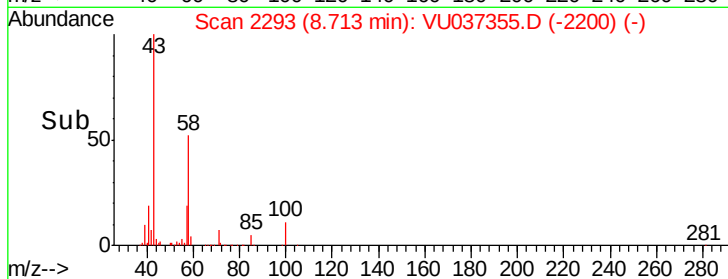
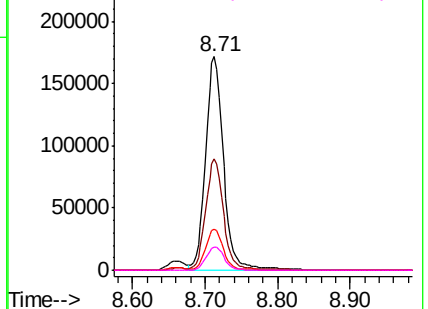
#48
2-Hexanone
Concen: 58.553 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VU037355.D
Acq: 20 Mar 2020 19:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 296639
Ion Ratio Lower Upper
43 100
58 50.2 42.5 63.7
57 18.5 15.2 22.8
100 11.2 8.9 13.3

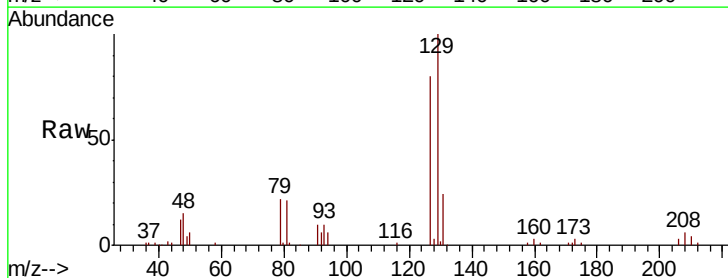


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

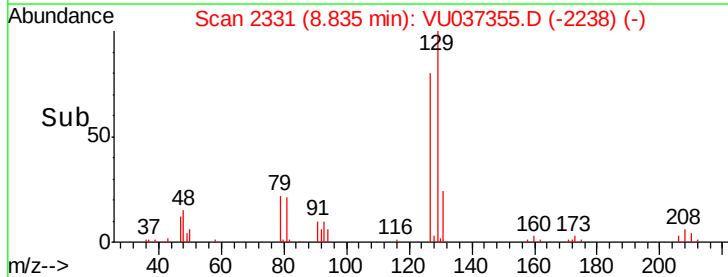
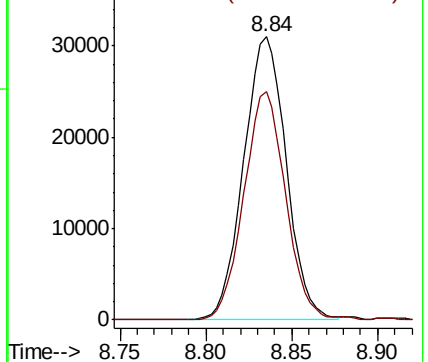


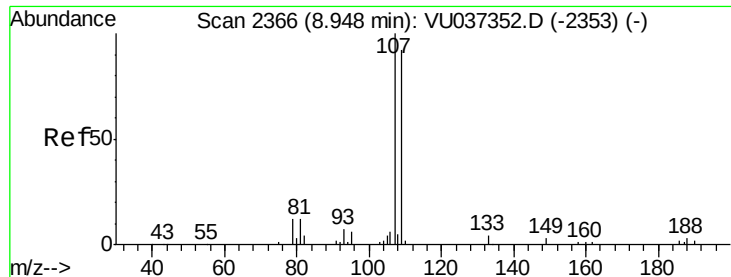
#49
Dibromochloromethane
Concen: 4.990 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU037355.D
Acq: 20 Mar 2020 19:21

Tgt Ion: 129 Resp: 53231
Ion Ratio Lower Upper
129 100
127 80.5 55.1 102.3



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

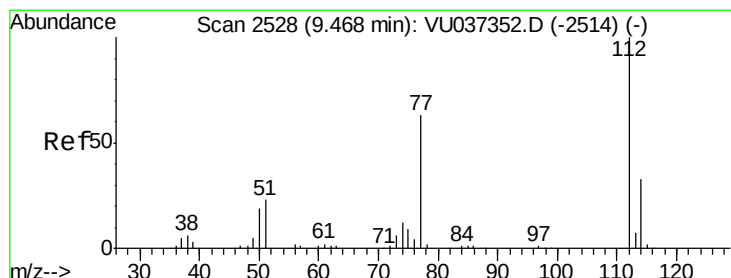
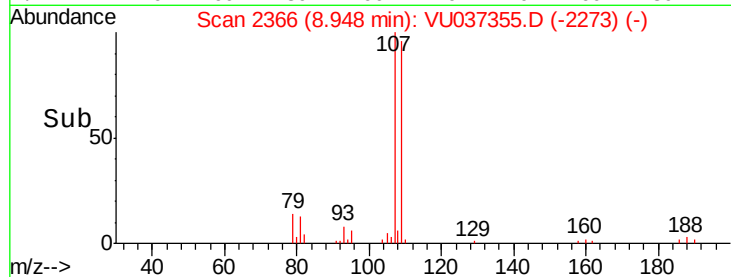
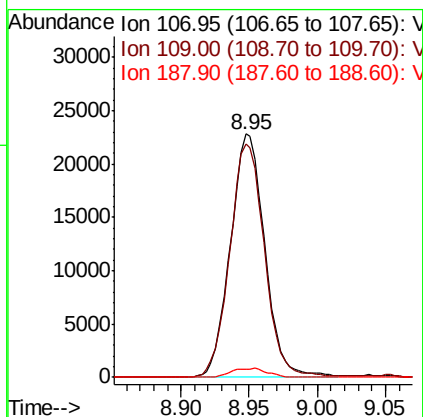
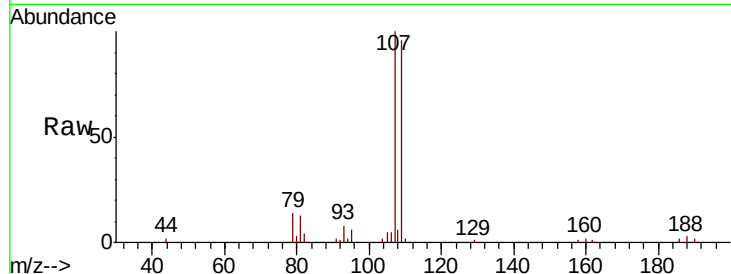




#50
 1,2-Dibromoethane
 Concen: 4.989 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VU037355.D
 Acq: 20 Mar 2020 19:21

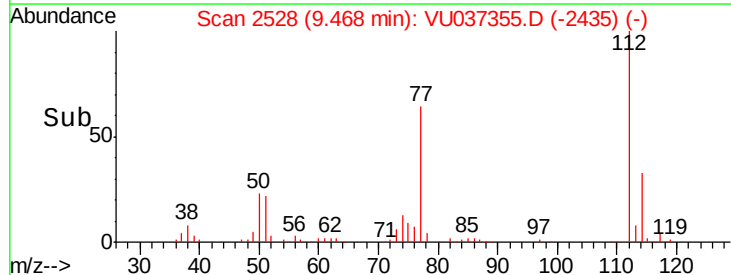
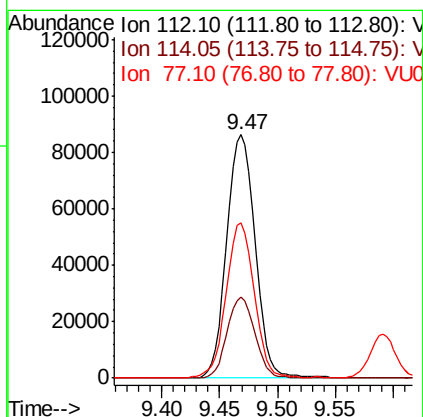
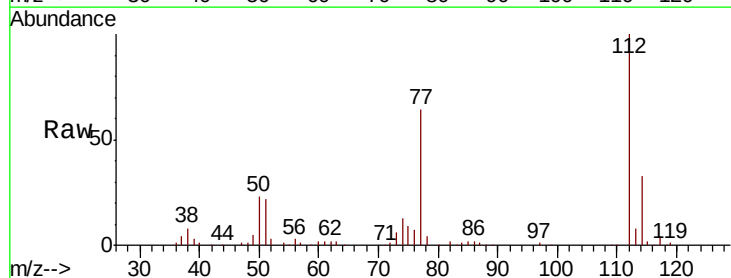
Instrument :
 MSVOA_U
 ClientSampleId :

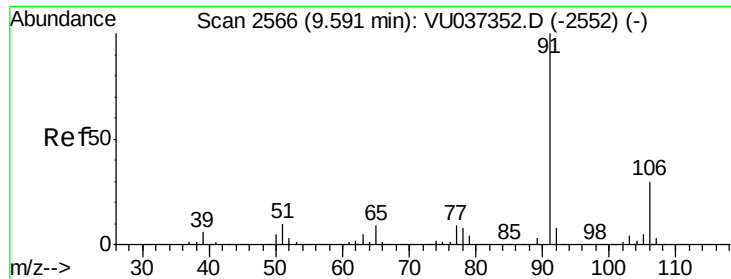
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	64.1	119.1
188	3.2	2.4	3.6



#51
 Chlorobenzene
 Concen: 4.836 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: VU037355.D
 Acq: 20 Mar 2020 19:21

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.1	22.9	42.5
77	63.7	50.8	76.2





#52

Ethylbenzene

Concen: 4.958 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

Instrument :

MSVOA_U

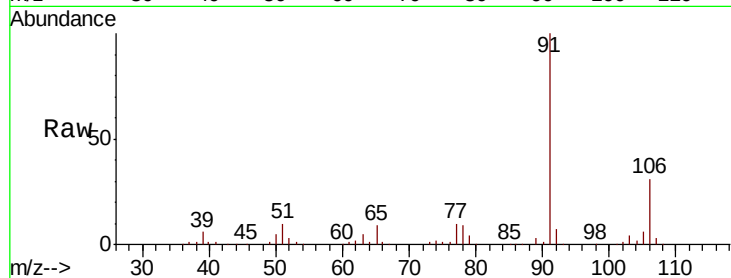
ClientSampleId :

Tot Ion: 91 Resp: 259227

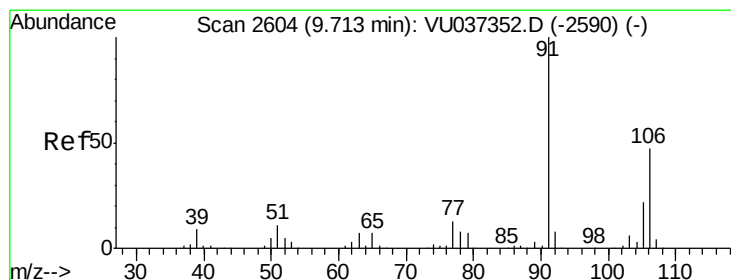
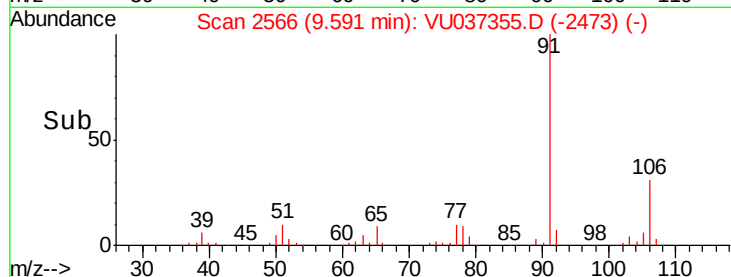
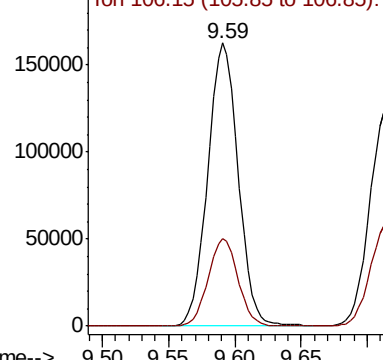
Ion Ratio Lower Upper

91 100

106 31.1 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU037355.D (-2552) (-)



#53

m,p-Xylene

Concen: 5.032 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037355.D

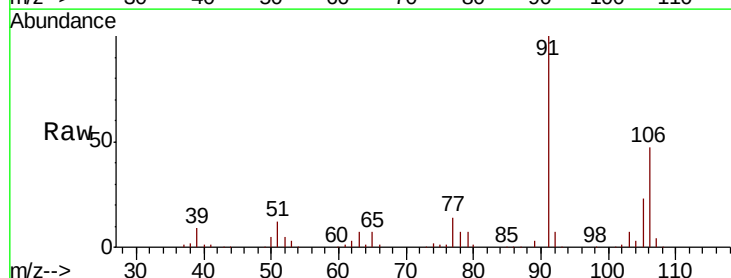
Acq: 20 Mar 2020 19:21

Tgt Ion: 106 Resp: 95991

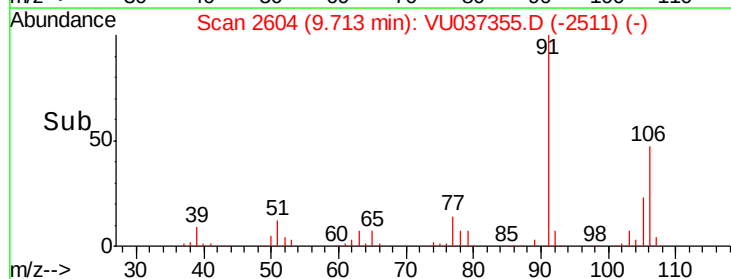
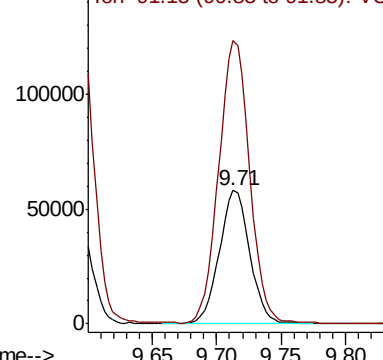
Ion Ratio Lower Upper

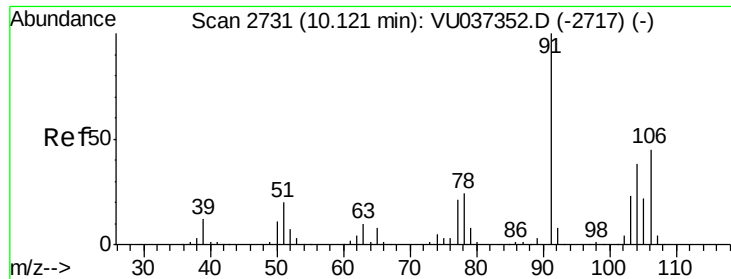
106 100

91 212.6 151.1 280.7



Abundance Ion 106.15 (105.85 to 106.85): VU037355.D (-2590) (-)

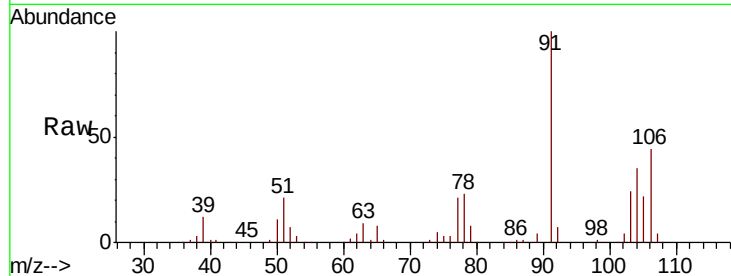




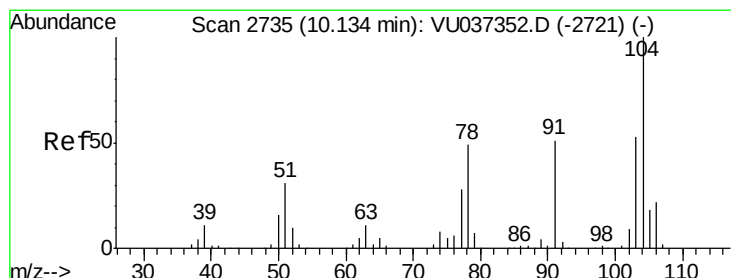
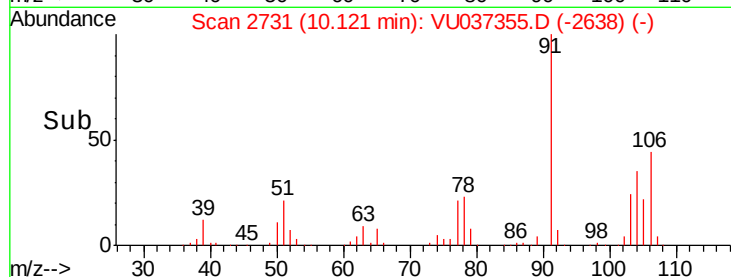
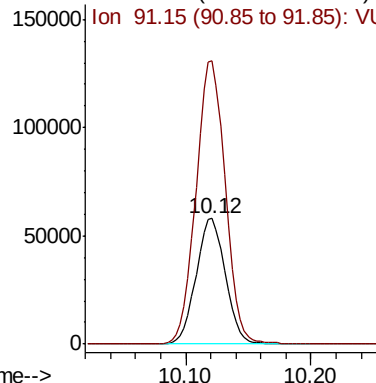
#54
o-Xylene
Concen: 5.062 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037355.D
Acq: 20 Mar 2020 19:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 94332
Ion Ratio Lower Upper
106 100
91 225.4 155.0 287.8

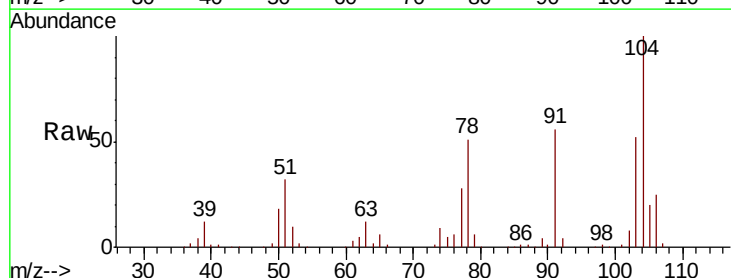


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

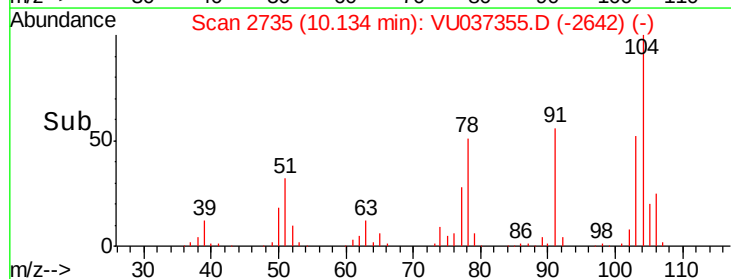
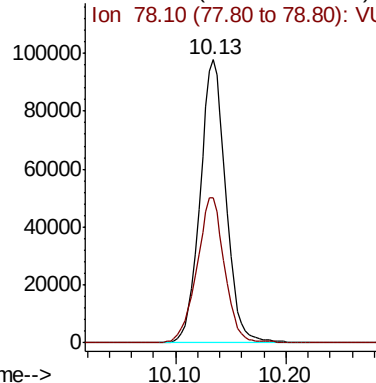


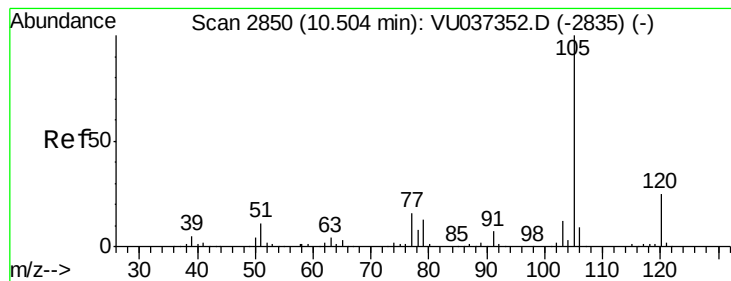
#55
Styrene
Concen: 5.096 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037355.D
Acq: 20 Mar 2020 19:21

Tgt Ion:104 Resp: 158264
Ion Ratio Lower Upper
104 100
78 51.1 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: 5.086 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

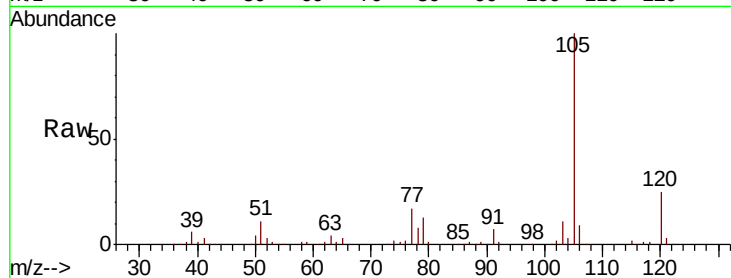
Tot Ion:105 Resp: 261474

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.2

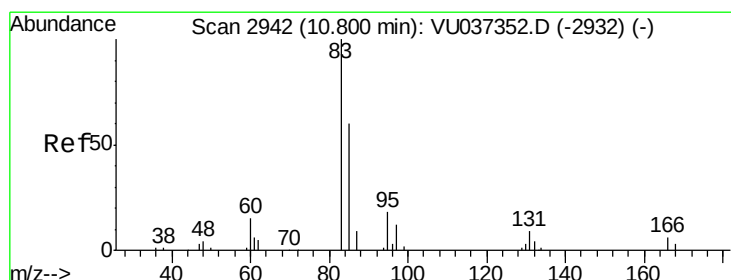
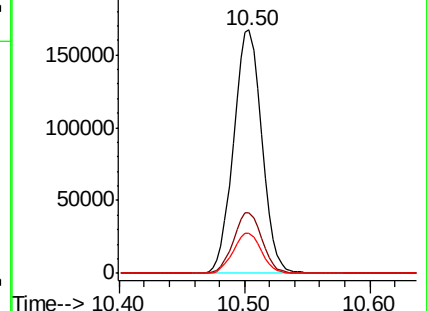
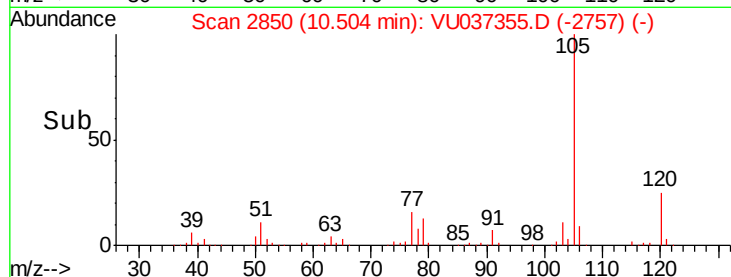
77 16.6 13.4 20.0



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: 5.289 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

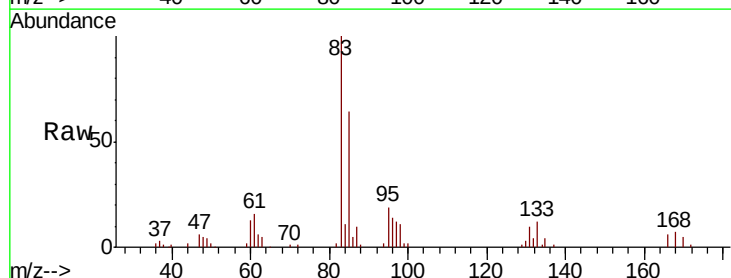
Tgt Ion: 83 Resp: 54194

Ion Ratio Lower Upper

83 100

85 64.2 43.1 80.1

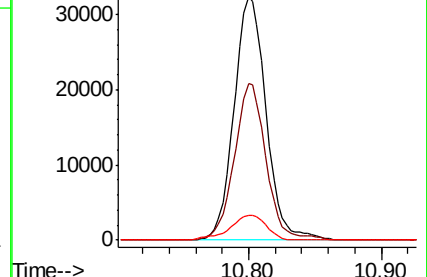
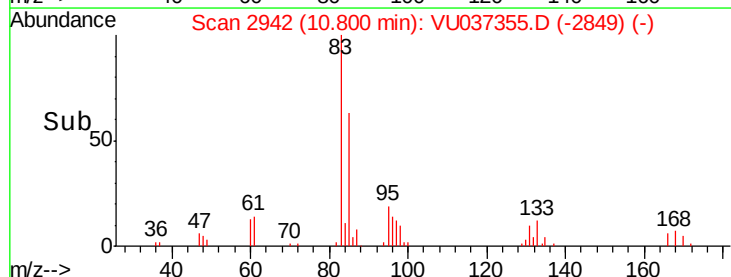
131 10.2 8.3 12.5

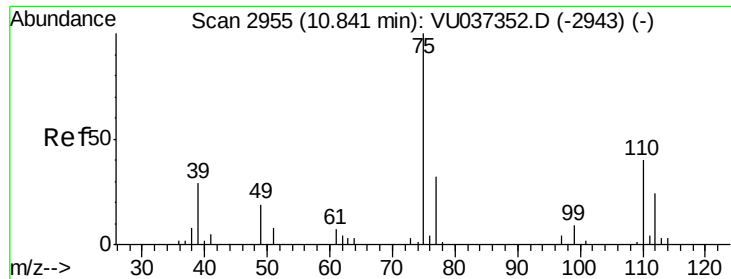


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.388 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

Instrument :

MSVOA_U

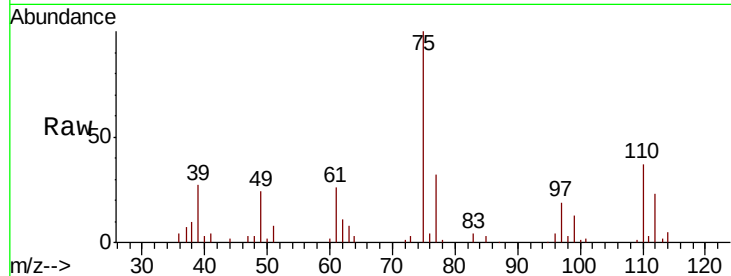
ClientSampleId :

Tot Ion: 75 Resp: 40968

Ion Ratio Lower Upper

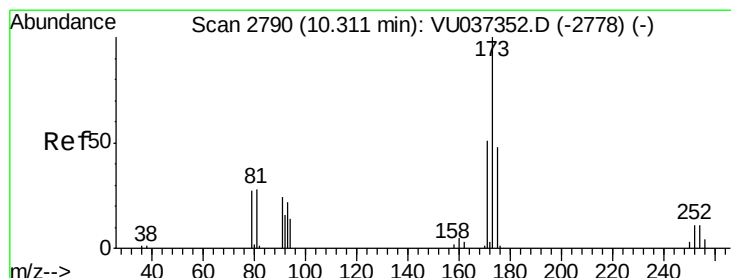
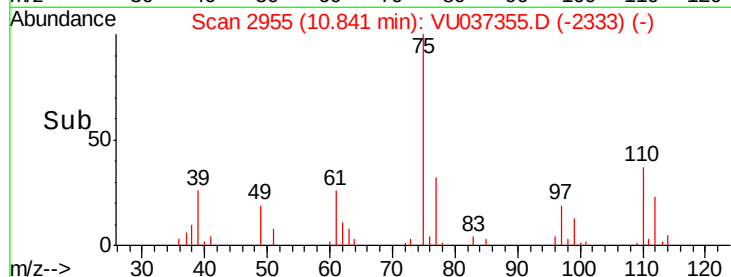
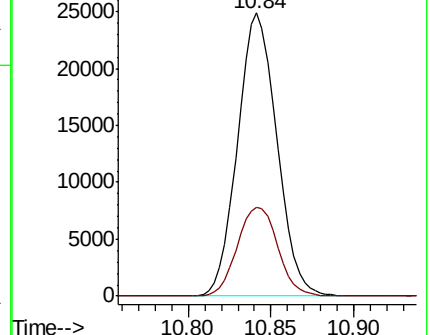
75 100

77 32.3 26.0 39.0



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

Ion 77.00 (76.70 to 77.70): VU037352.D (-2943) (-)



#61

Bromoform

Concen: 4.893 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

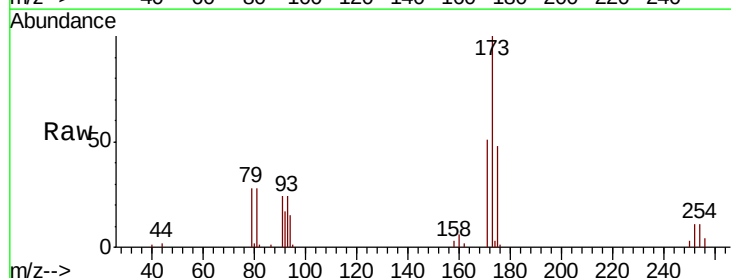
Tgt Ion: 173 Resp: 32529

Ion Ratio Lower Upper

173 100

175 48.2 37.8 56.6

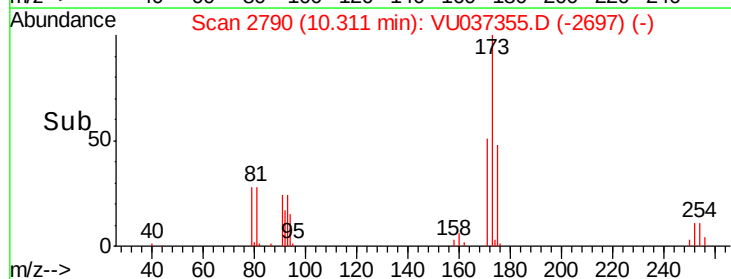
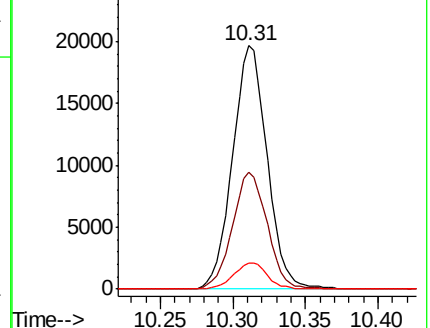
254 10.4 8.4 12.6

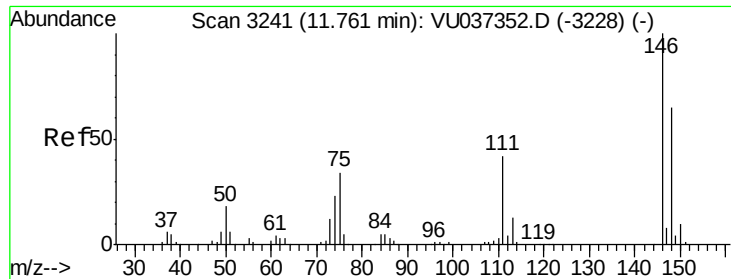


Abundance Ion 172.90 (172.60 to 173.60): VU037352.D (-2778) (-)

Ion 174.90 (174.60 to 175.60): VU037352.D (-2778) (-)

Ion 253.75 (253.45 to 254.45): VU037352.D (-2778) (-)

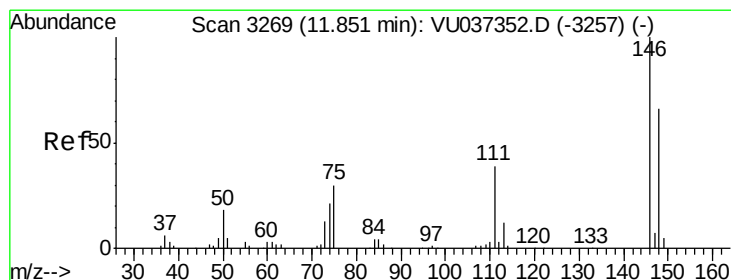
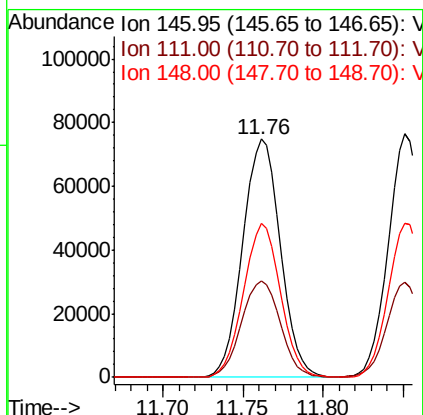
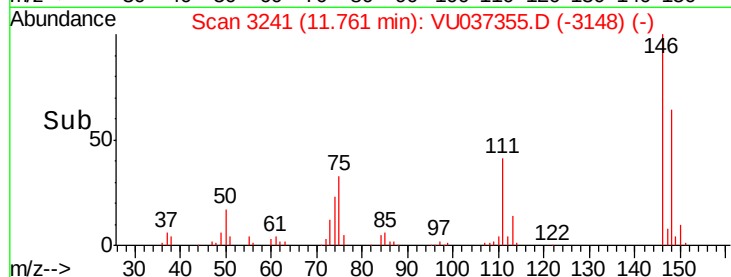
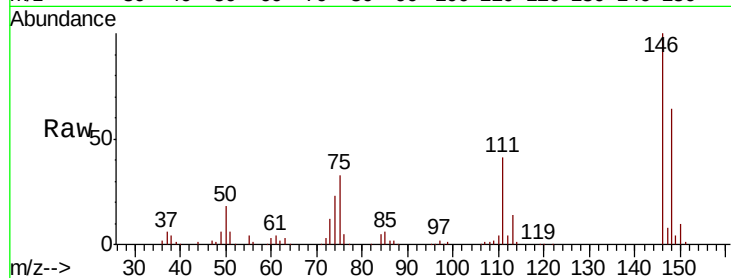




#62
 1,3-Dichlorobenzene
 Concen: 4.756 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037355.D
 Acq: 20 Mar 2020 19:21

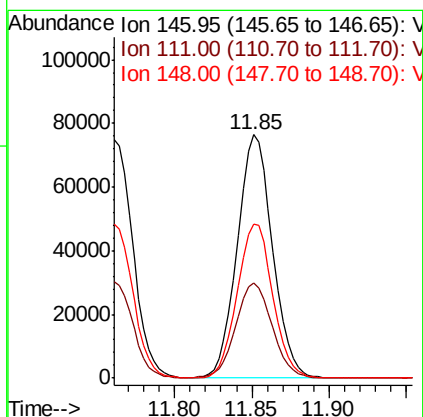
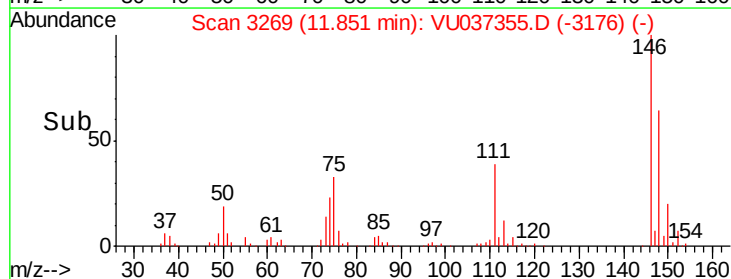
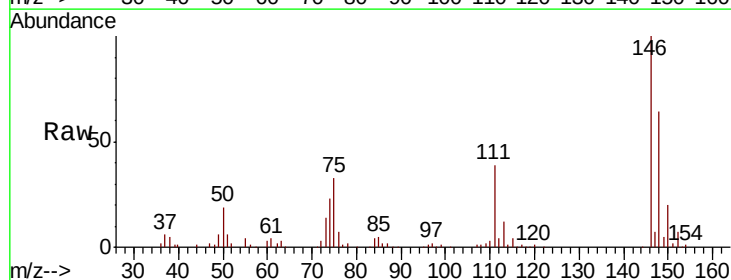
Instrument :
 MSVOA_U
 ClientSampled :

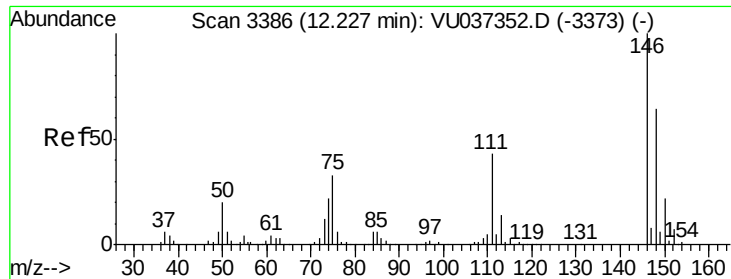
Tot Ion:146 Resp: 119795
 Ion Ratio Lower Upper
 146 100
 111 40.7 29.2 54.2
 148 64.4 45.4 84.4



#63
 1,4-Dichlorobenzene
 Concen: 4.752 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037355.D
 Acq: 20 Mar 2020 19:21

Tgt Ion:146 Resp: 120971
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.4 51.0
 148 63.5 46.3 85.9

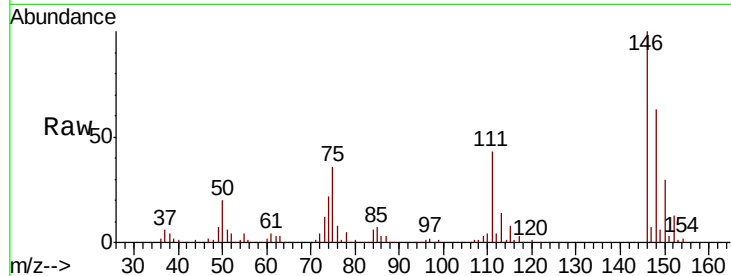




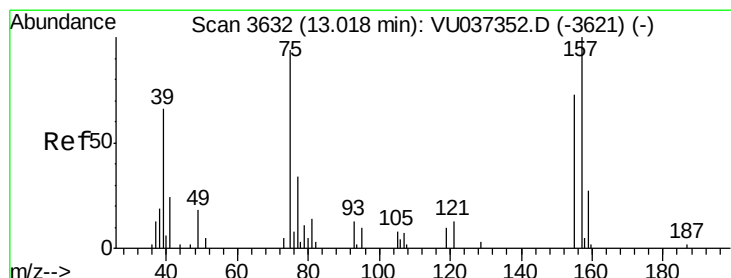
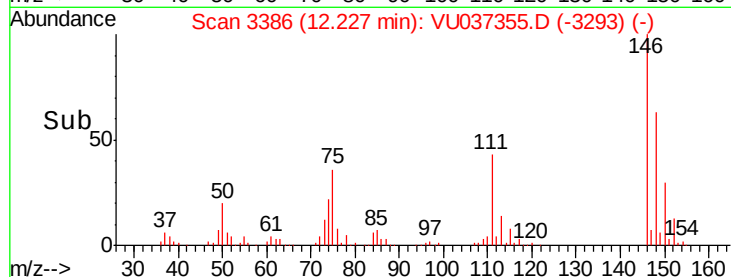
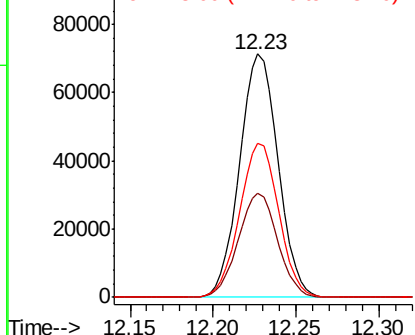
#65
 1,2-Dichlorobenzene
 Concen: 4.766 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037355.D
 Acq: 20 Mar 2020 19:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 115331
 Ion Ratio Lower Upper
 146 100
 111 42.9 34.7 52.1
 148 63.5 51.1 76.7

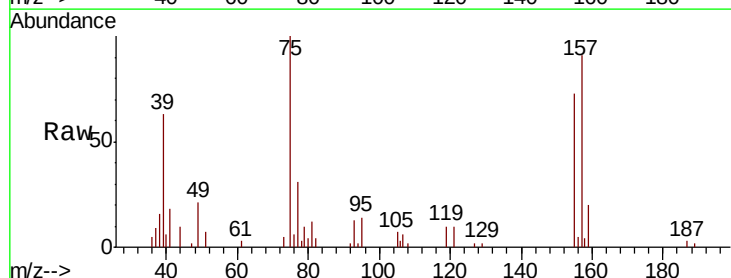


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

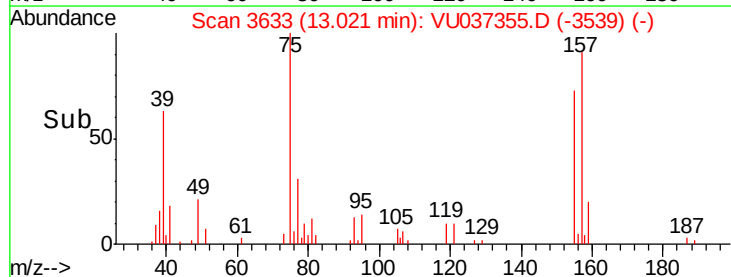
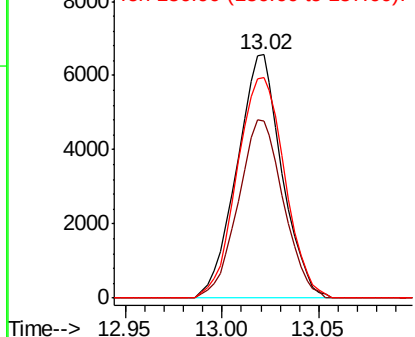


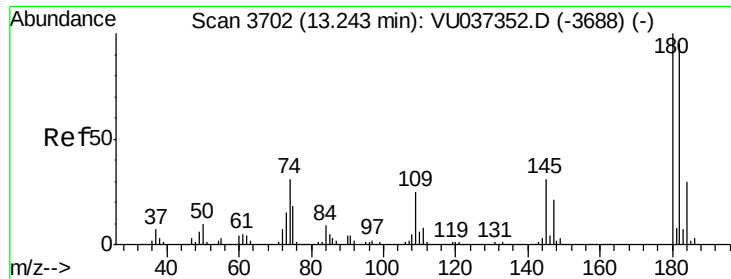
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.700 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU037355.D
 Acq: 20 Mar 2020 19:21

Tgt Ion: 75 Resp: 10606
 Ion Ratio Lower Upper
 75 100
 155 72.9 62.2 93.4
 157 90.7 85.4 128.2



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

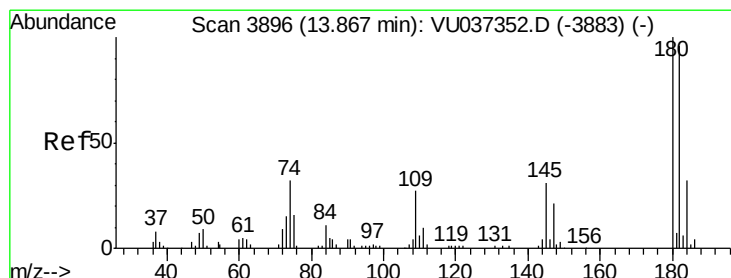
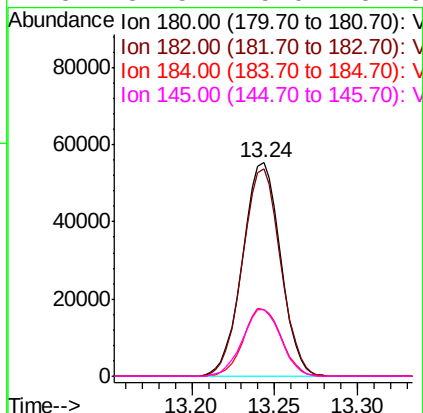
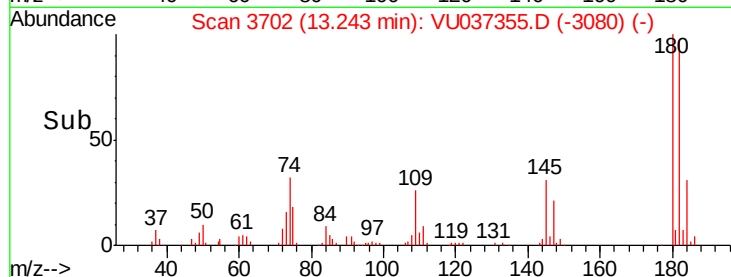
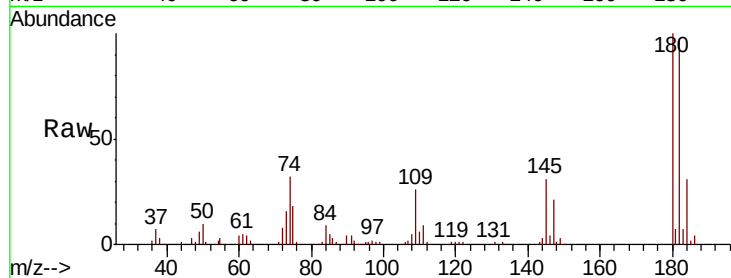




#67
 1,3,5-Trichlorobenzene
 Concen: 4.742 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU037355.D
 Acq: 20 Mar 2020 19:21

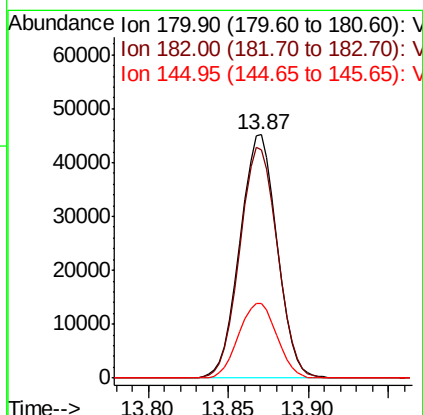
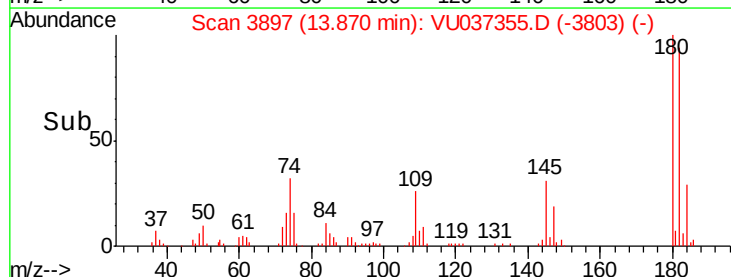
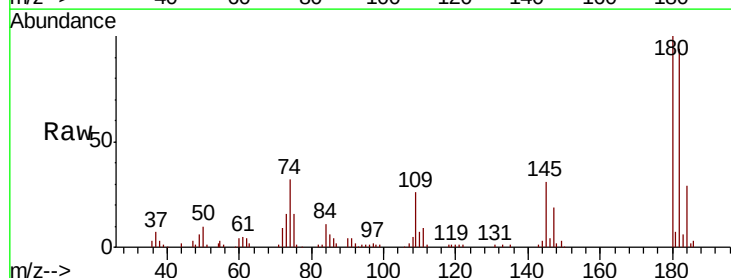
Instrument :
 MSVOA_U
 ClientSampleId :

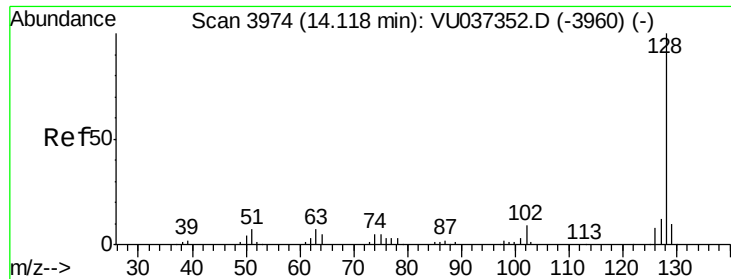
Tot Ion:180	Resp:	88449
Ion Ratio	Lower	Upper
180 100		
182 97.2	76.4	114.6
184 31.6	24.6	37.0
145 31.5	25.0	37.6



#68
 1,2,4-trichlorobenzene
 Concen: 5.240 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU037355.D
 Acq: 20 Mar 2020 19:21

Tgt Ion:180	Resp:	71599	
Ion Ratio	Lower	Upper	
180 100			
182 96.0	77.4	116.2	
145 31.6	25.3	37.9	





#69

Naphthalene

Concen: 5.756 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

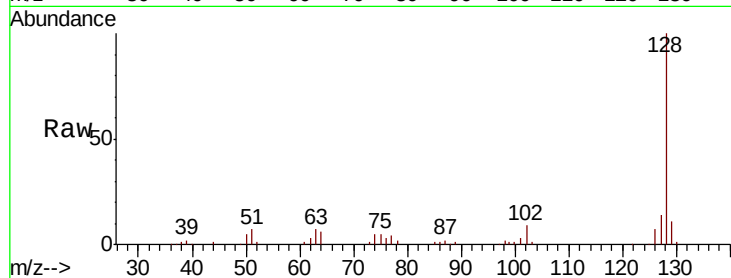
Tot Ion:128 Resp: 107968

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

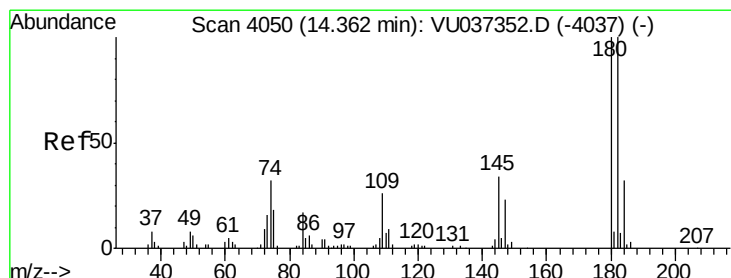
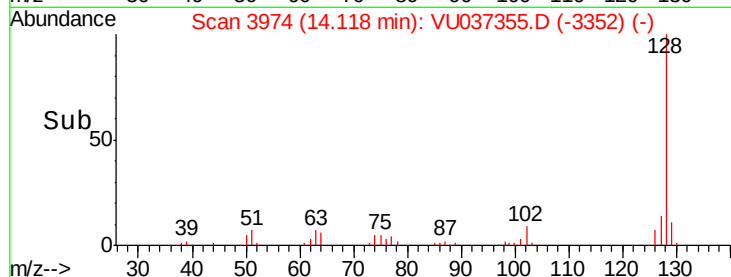
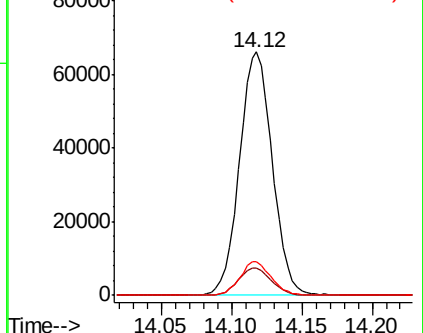
127 13.1 10.5 15.7



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: 5.445 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.00 min

Lab File: VU037355.D

Acq: 20 Mar 2020 19:21

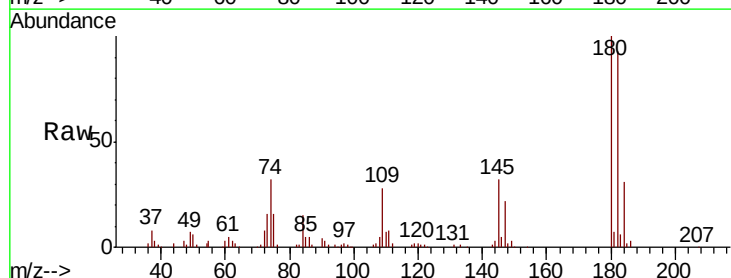
Tgt Ion:180 Resp: 70349

Ion Ratio Lower Upper

180 100

182 95.3 79.6 119.4

145 32.3 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

