

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092320\
 Data File : VU040258.D
 Acq On : 23 Sep 2020 14:19
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 24 02:28:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 24 02:21:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	166631	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	166604	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	86760	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	48790	5.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.20%
7) Chloroethane-d5	1.92	69	43448	5.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.60%
11) 1,1-Dichloroethene-d2	2.58	63	116372	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.60%
20) 2-Butanone-d5	4.64	46	178332	49.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.02%
24) Chloroform-d	5.08	84	109923	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.72	65	64376	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.74	84	205391	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.70	67	66593	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.90	98	188149	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
43) trans-1,3-Dichloropropene-	8.18	79	25885	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.64	63	135626	48.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.22%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56358	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	71108	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	71867	4.346	ug/L 98
3) Chloromethane	1.52	50	70170	4.432	ug/L 97
5) Vinyl chloride	1.61	62	70931	4.419	ug/L 99
6) Bromomethane	1.86	94	34149	4.162	ug/L 94
8) Chloroethane	1.94	64	43498	4.509	ug/L 100
9) Trichlorofluoromethane	2.15	101	109413	4.759	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	72330	4.853	ug/L 98
12) 1,1-Dichloroethene	2.59	96	60040	4.656	ug/L 95
13) Acetone	2.65	43	140466	41.698	ug/L 98
14) Carbon disulfide	2.80	76	169410	4.097	ug/L 99
15) Methyl Acetate	2.96	43	35515	4.201	ug/L 97
16) Methylene chloride	3.06	84	80969	4.795	ug/L 92
17) Methyl tert-butyl Ether	3.38	73	164216	4.225	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	65370	4.713	ug/L 95
19) 1,1-Dichloroethane	3.89	63	134469	4.709	ug/L 97
21) 2-Butanone	4.72	43	230093	41.837	ug/L 98
22) cis-1,2-Dichloroethene	4.68	96	72147	4.837	ug/L 97

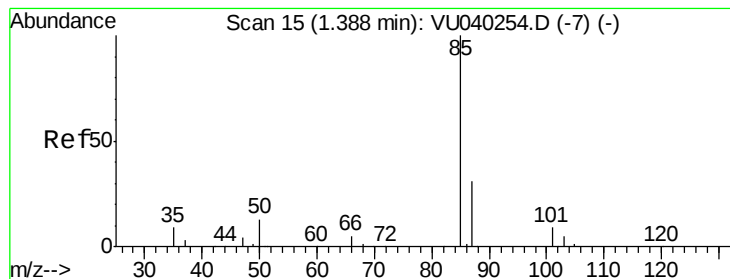
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092320\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	33732	5.161	ug/L	93
25) Chloroform	5.11	83	147641	5.049	ug/L	98
27) 1,2-Dichloroethane	5.81	62	93743	4.376	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	118620	4.535	ug/L	99
30) Cyclohexane	5.40	56	106710	4.207	ug/L	99
31) Carbon tetrachloride	5.54	117	101165	4.519	ug/L	100
33) Benzene	5.79	78	280095	4.699	ug/L	100
34) Trichloroethene	6.55	95	72814	4.554	ug/L	92
35) Methylcyclohexane	6.77	83	101277	4.137	ug/L	99
37) 1,2-Dichloropropane	6.80	63	75509	4.679	ug/L	99
38) Bromodichloromethane	7.11	83	99246	4.505	ug/L	97
39) cis-1,3-Dichloropropene	7.61	75	107280	4.507	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	555610	41.960	ug/L	99
42) Toluene	7.98	91	295898	4.821	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	95456	4.328	ug/L	96
45) 1,1,2-Trichloroethane	8.40	97	55044	4.682	ug/L	97
47) Tetrachloroethene	8.56	164	53825	5.125	ug/L	98
48) 2-Hexanone	8.69	43	405616	41.994	ug/L	99
49) Dibromochloromethane	8.82	129	65209	4.621	ug/L	100
50) 1,2-Dibromoethane	8.93	107	50732	4.476	ug/L	93
51) Chlorobenzene	9.45	112	190750	5.005	ug/L	96
52) Ethylbenzene	9.57	91	325610	4.669	ug/L	99
53) m,p-Xylene	9.69	106	123414	4.970	ug/L	98
54) o-Xylene	10.10	106	118164	4.994	ug/L	95
55) Styrene	10.11	104	210921	5.126	ug/L	96
56) Isopropylbenzene	10.48	105	319418	4.950	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	69643	4.620	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	52184	4.364	ug/L	99
61) Bromoform	10.29	173	35838	4.504	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	153697	4.847	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	155485	4.846	ug/L	96
65) 1,2-Dichlorobenzene	12.21	146	145903	4.755	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	10942	3.334	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	106293	4.767	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	85252	4.439	ug/L	97
69) Naphthalene	14.08	128	133921	3.345	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	80024	4.536	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.346 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

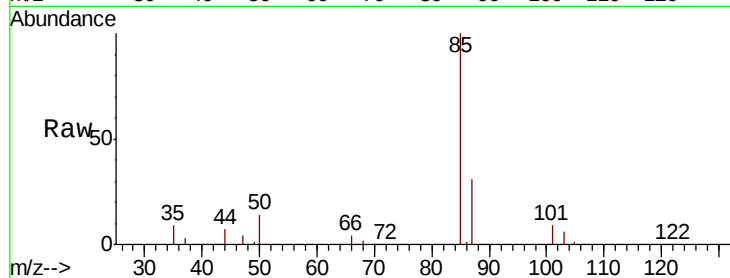
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 71867

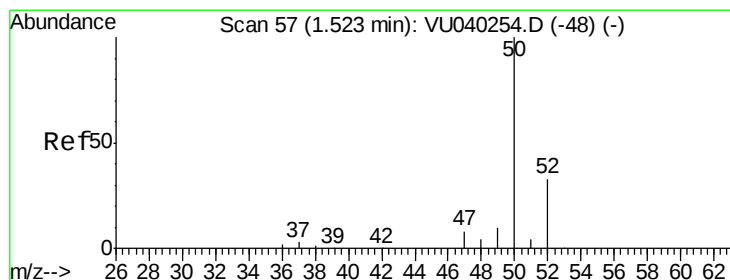
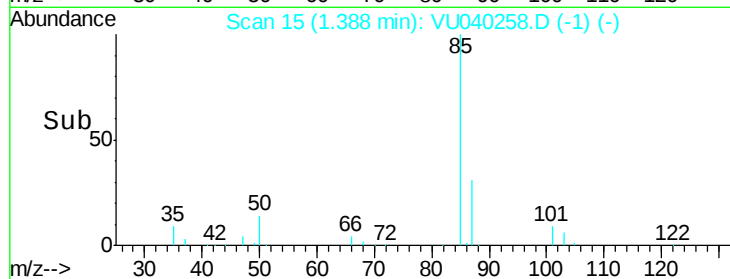
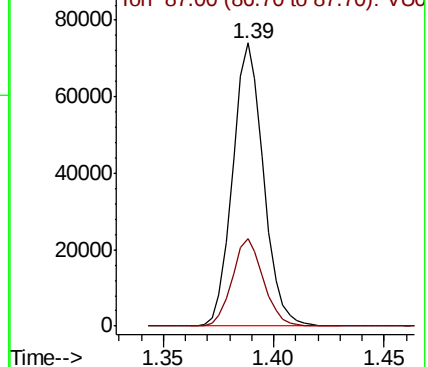
Ion Ratio Lower Upper

85 100

87 31.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU040258.D (-1) (-)



#3

Chloromethane

Concen: 4.432 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040258.D

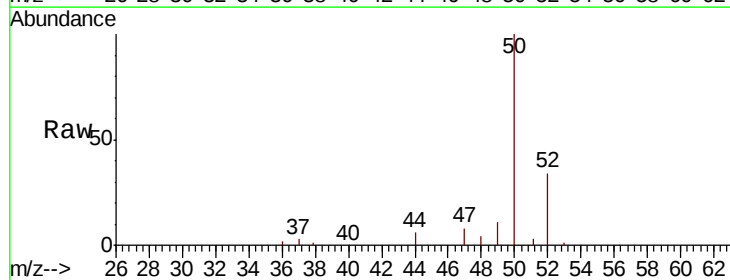
Acq: 23 Sep 2020 14:19

Tgt Ion: 50 Resp: 70170

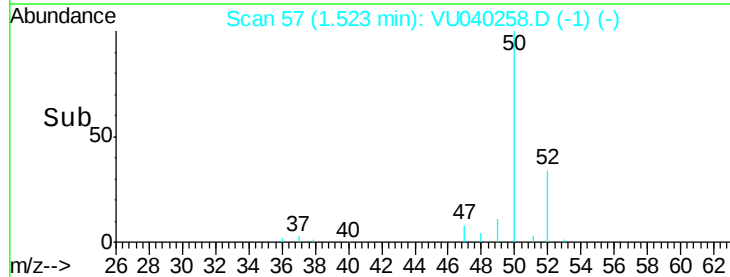
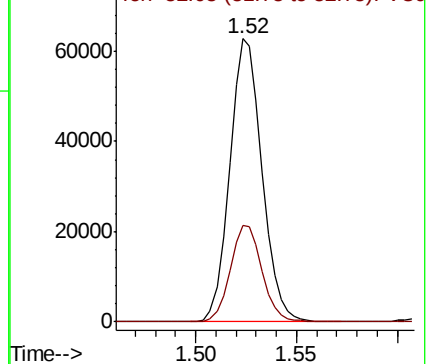
Ion Ratio Lower Upper

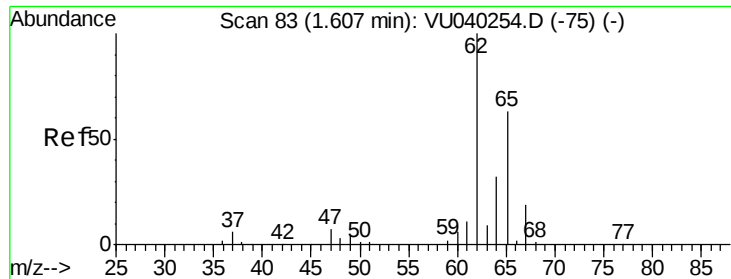
50 100

52 34.2 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040258.D (-1) (-)





#5

Vinyl chloride

Concen: 4.419 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

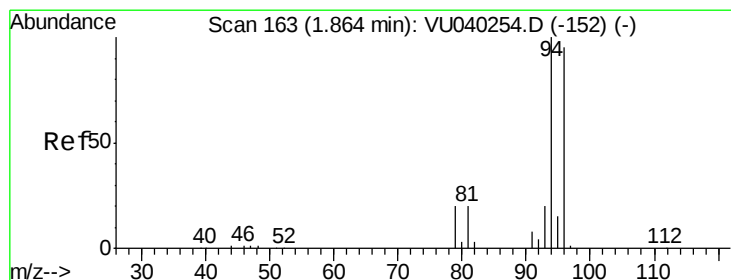
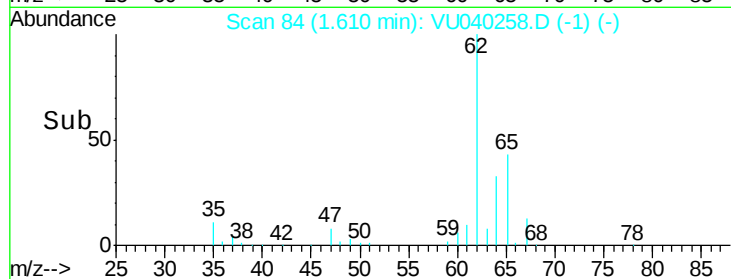
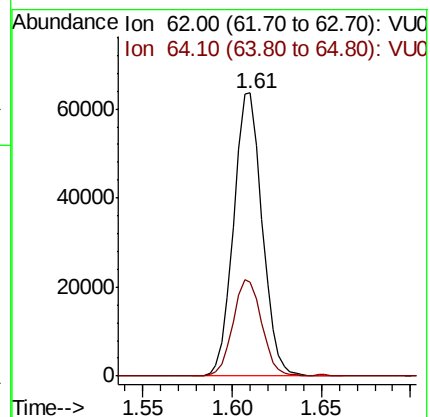
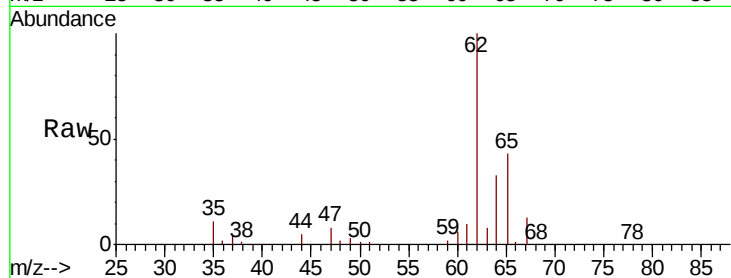
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 70931

Ion Ratio Lower Upper

62 100

64 33.4 23.9 44.3



#6

Bromomethane

Concen: 4.162 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040258.D

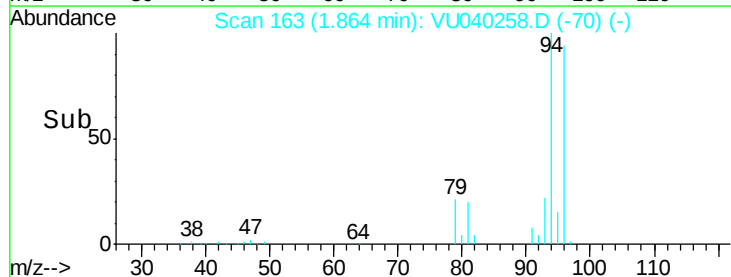
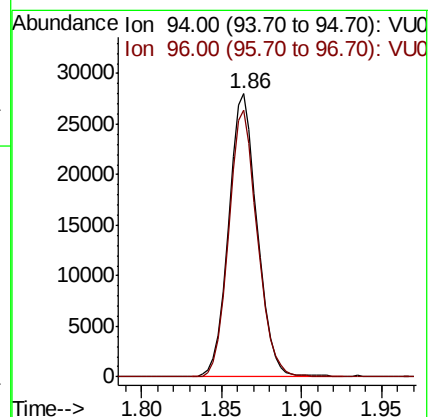
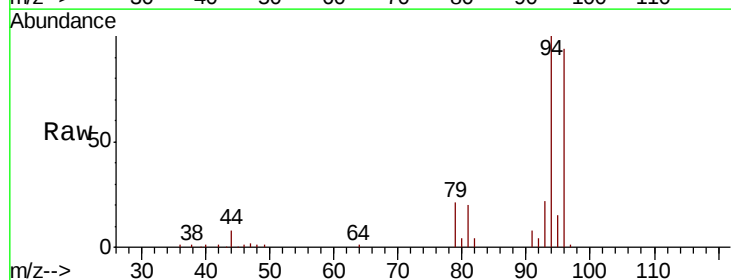
Acq: 23 Sep 2020 14:19

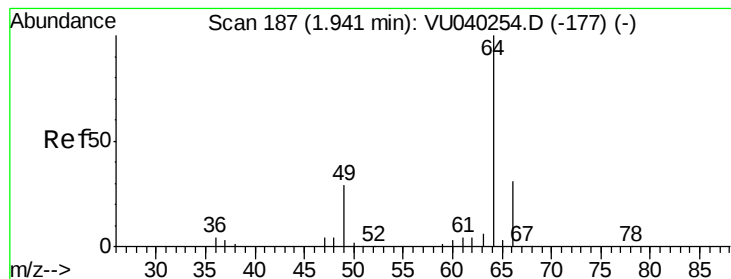
Tgt Ion: 94 Resp: 34149

Ion Ratio Lower Upper

94 100

96 94.3 62.3 115.7





#8

Chloroethane

Concen: 4.509 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

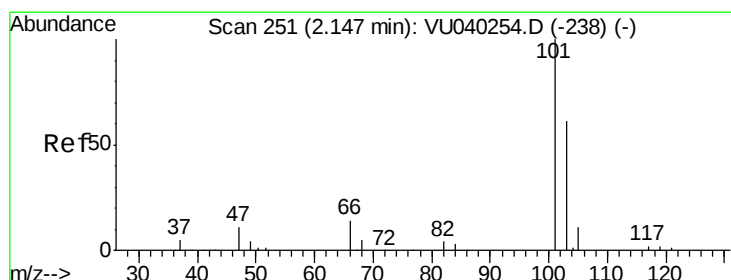
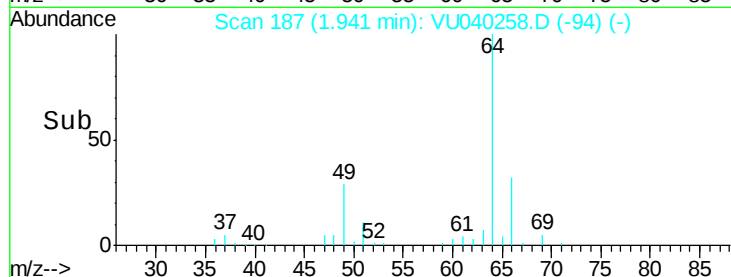
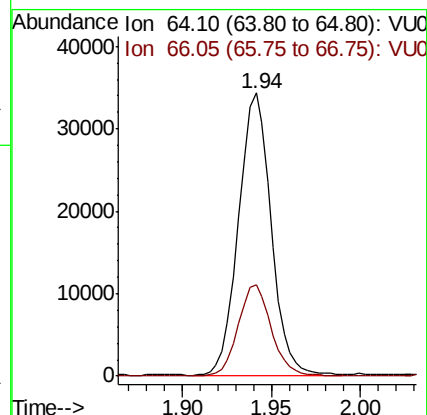
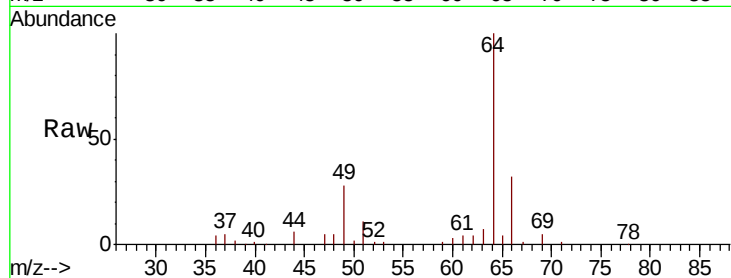
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 43498

Ion Ratio Lower Upper

64 100

66 32.1 22.7 42.1



#9

Trichlorofluoromethane

Concen: 4.759 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040258.D

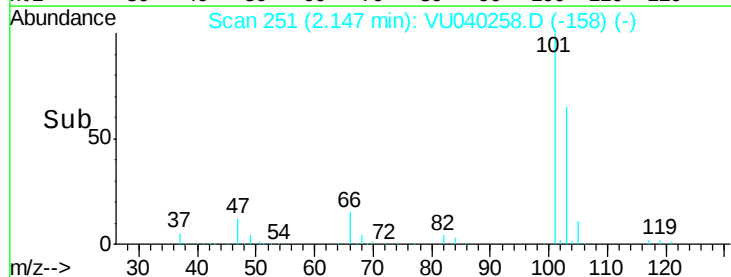
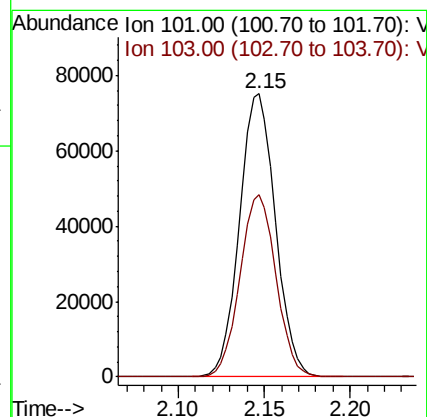
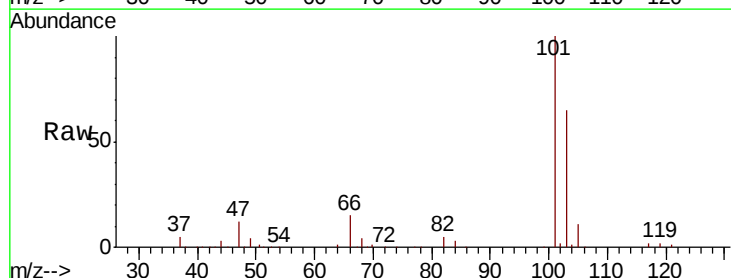
Acq: 23 Sep 2020 14:19

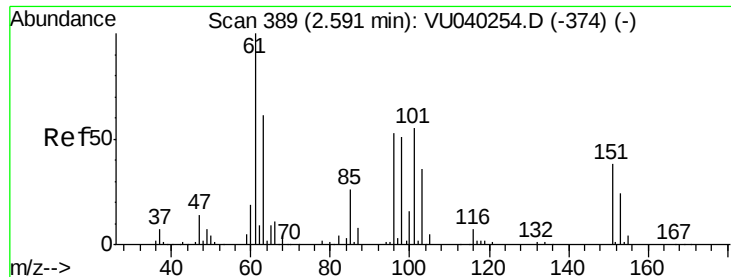
Tgt Ion:101 Resp: 109413

Ion Ratio Lower Upper

101 100

103 64.7 51.3 76.9





#10

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

Concen: 4.853 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

Instrument :

MSVOA_U

ClientSampled :

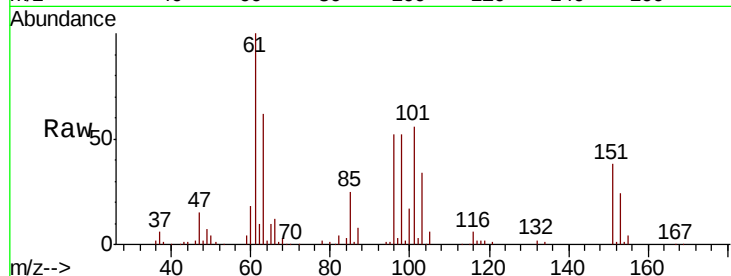
Tot Ion:101 Resp: 72330

Ion Ratio Lower Upper

101 100

85 44.5 37.7 56.5

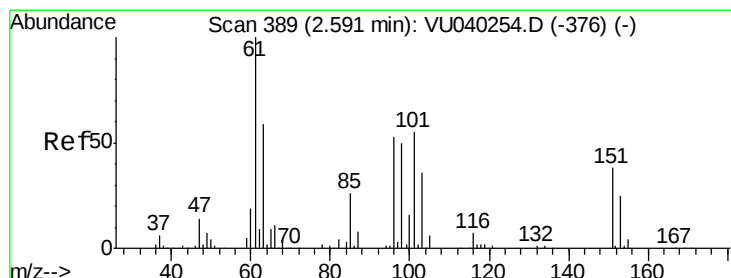
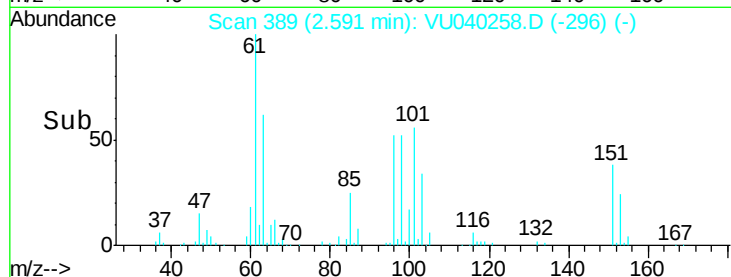
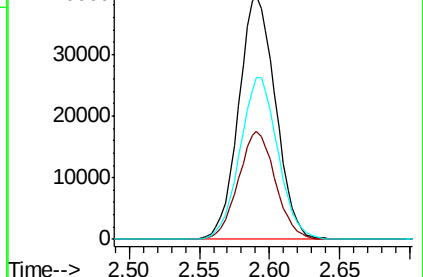
151 68.3 53.9 80.9



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: 4.656 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

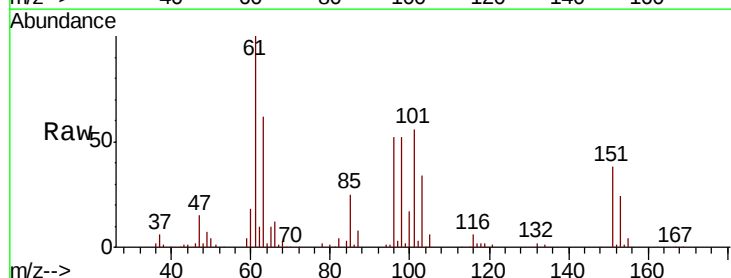
Tgt Ion: 96 Resp: 60040

Ion Ratio Lower Upper

96 100

61 191.2 138.3 256.8

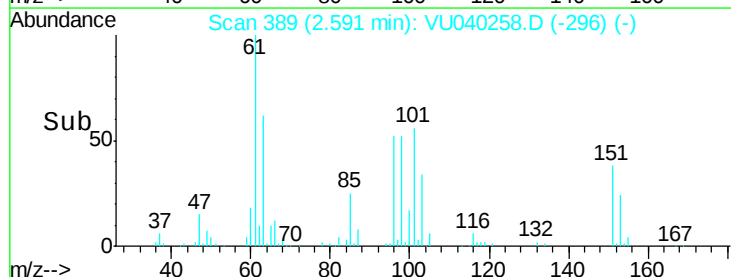
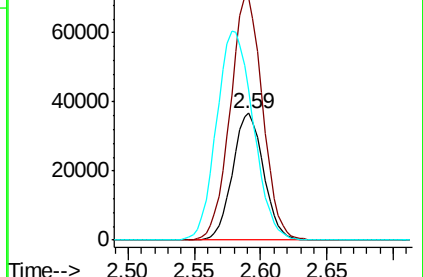
63 118.4 77.6 144.2

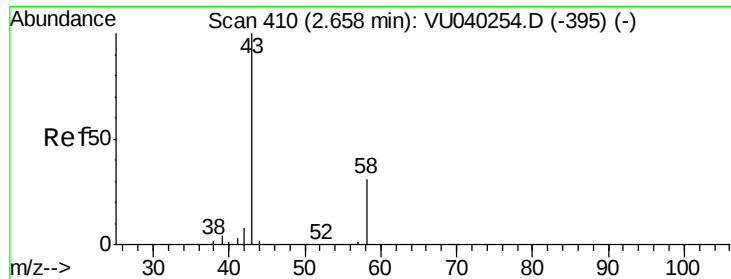


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 41.698 ug/L

RT: 2.65 min Scan# 406

Delta R.T. -0.01 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

Instrument :

MSVOA_U

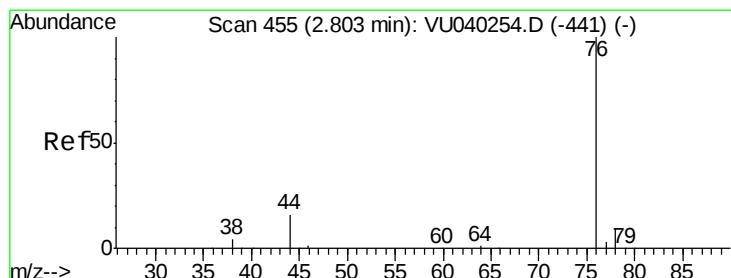
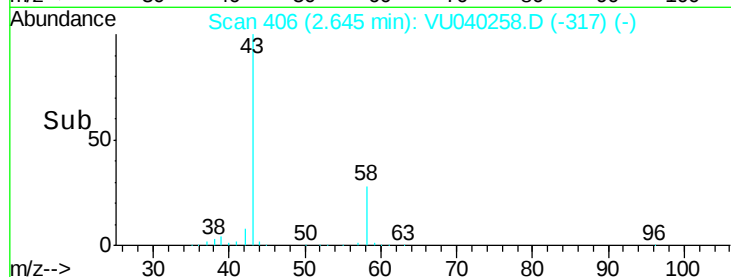
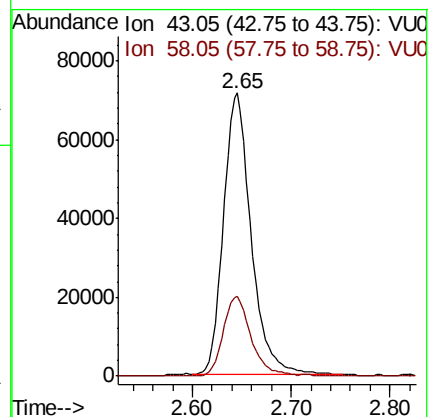
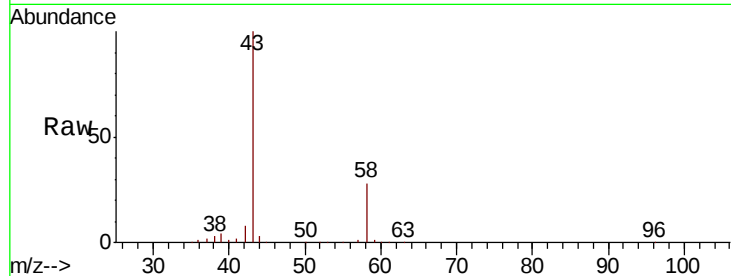
ClientSampleId :

Tot Ion: 43 Resp: 140466

Ion Ratio Lower Upper

43 100

58 28.5 0.0 55.4



#14

Carbon disulfide

Concen: 4.097 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040258.D

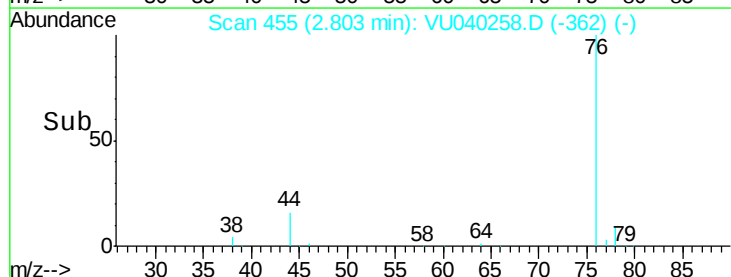
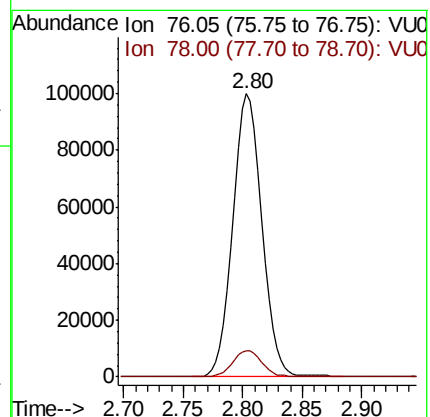
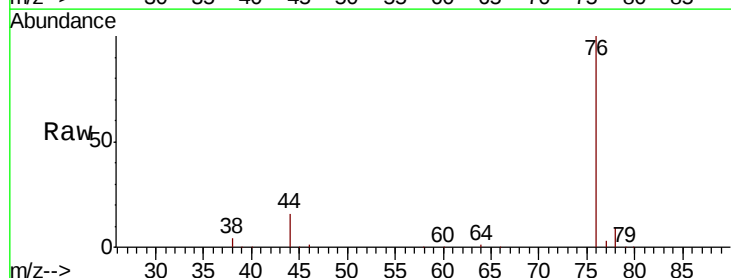
Acq: 23 Sep 2020 14:19

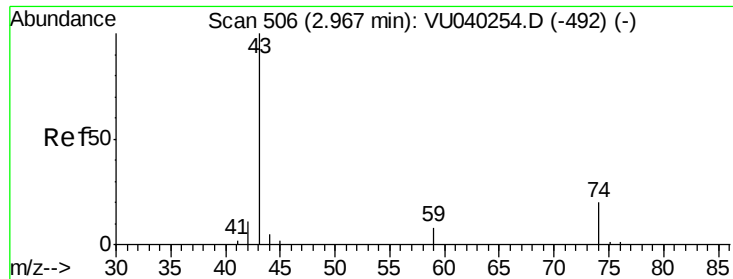
Tgt Ion: 76 Resp: 169410

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methyl Acetate

Concen: 4.201 ug/L

RT: 2.96 min Scan# 504

Delta R.T. -0.01 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

Instrument :

MSVOA_U

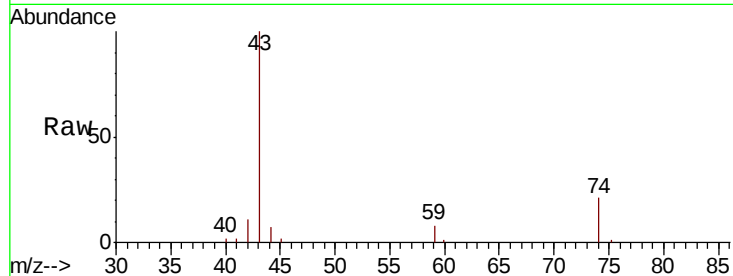
ClientSampled :

Tot Ion: 43 Resp: 35515

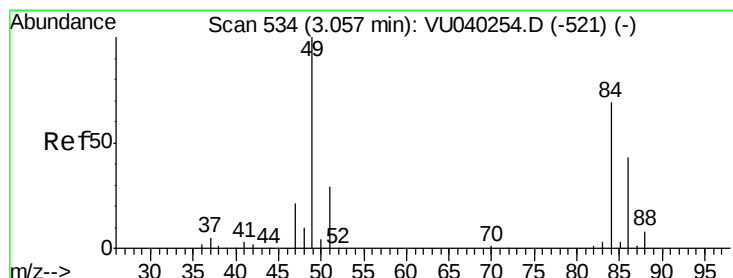
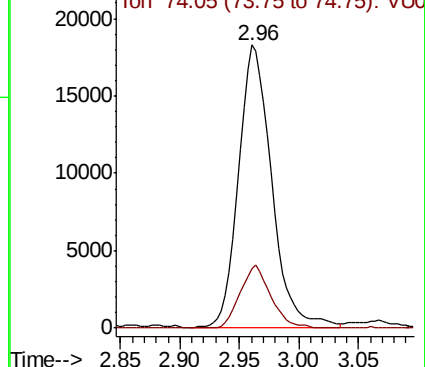
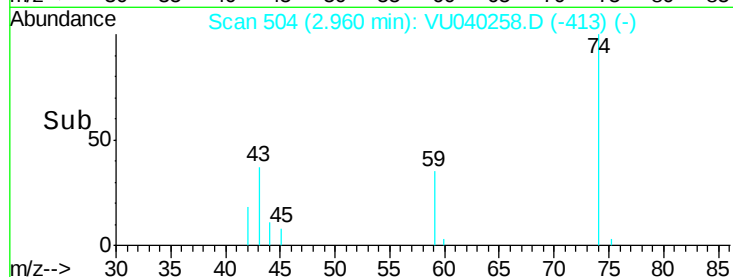
Ion Ratio Lower Upper

43 100

74 20.3 17.4 26.0



Abundance Ion 43.05 (42.75 to 43.75): VU040258.D (-413) (-)



#16

Methylene chloride

Concen: 4.795 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

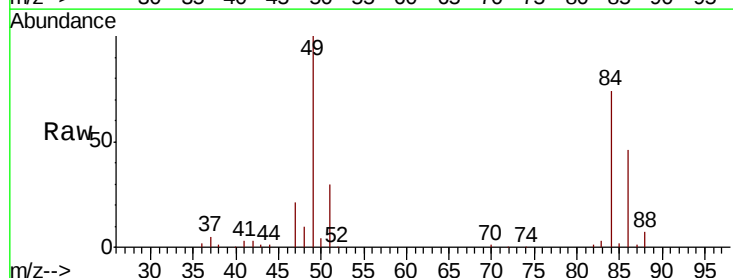
Tgt Ion: 84 Resp: 80969

Ion Ratio Lower Upper

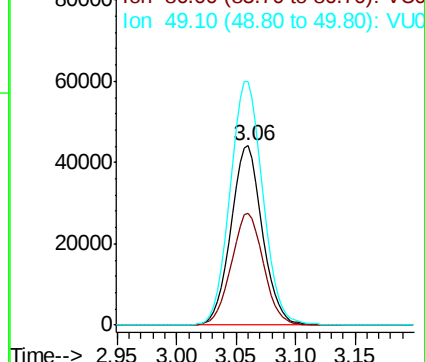
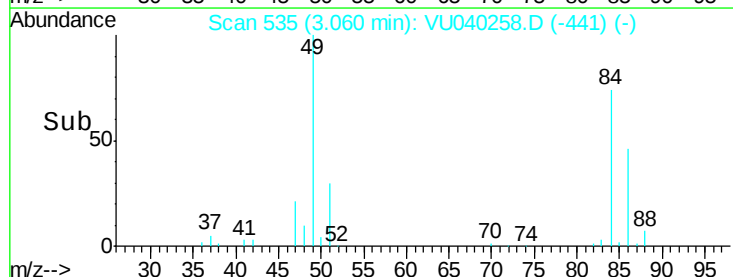
84 100

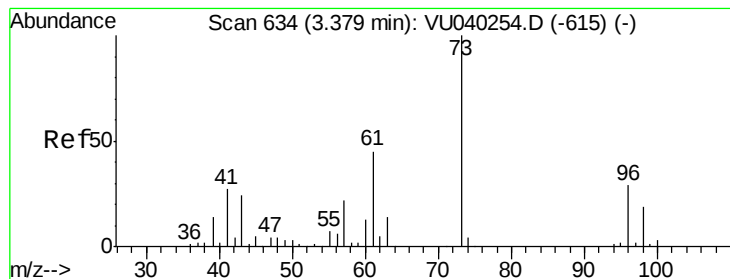
86 62.6 45.2 84.0

49 135.6 104.0 193.2



Abundance Ion 84.05 (83.75 to 84.75): VU040258.D (-441) (-)



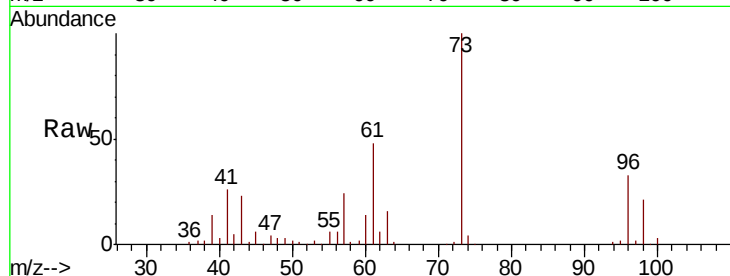


#17

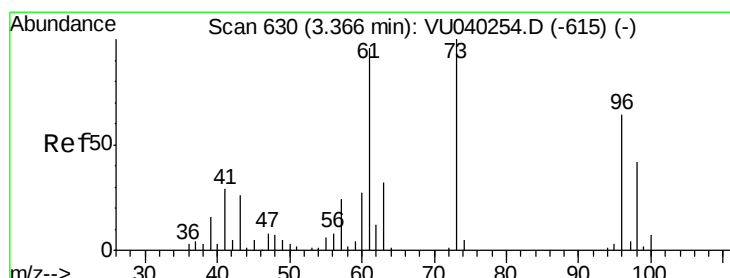
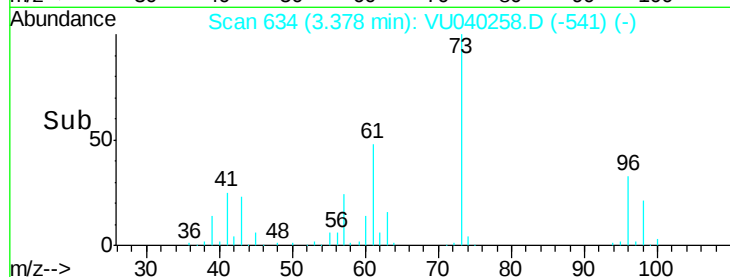
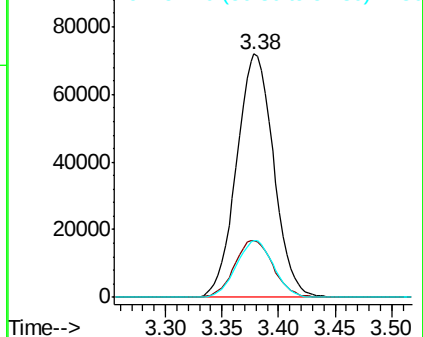
Methvl tert-butvl Ether
 Concen: 4.225 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VU040258.D
 Acq: 23 Sep 2020 14:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 164216
 Ion Ratio Lower Upper
 73 100
 43 24.3 19.1 28.7
 57 23.4 18.3 27.5



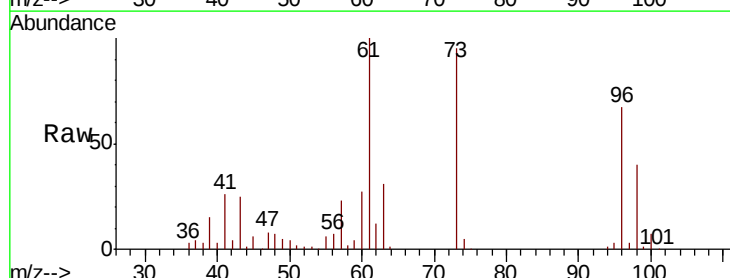
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



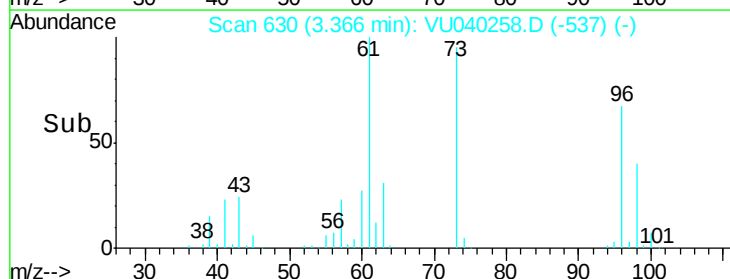
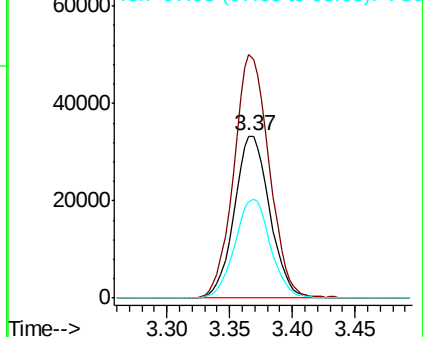
#18

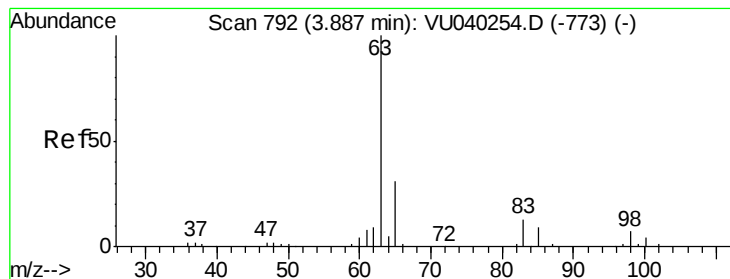
trans-1,2-Dichloroethene
 Concen: 4.713 ug/L
 RT: 3.37 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU040258.D
 Acq: 23 Sep 2020 14:19

Tgt Ion: 96 Resp: 65370
 Ion Ratio Lower Upper
 96 100
 61 150.1 110.5 205.3
 98 59.6 43.2 80.2



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: 4.709 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

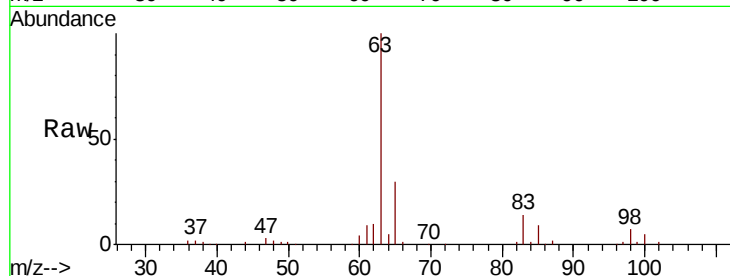
Tot Ion: 63 Resp: 134469

Ion Ratio Lower Upper

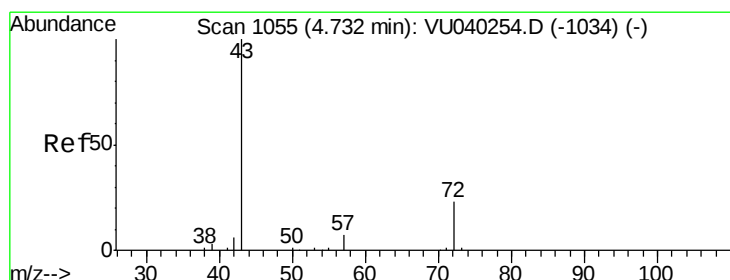
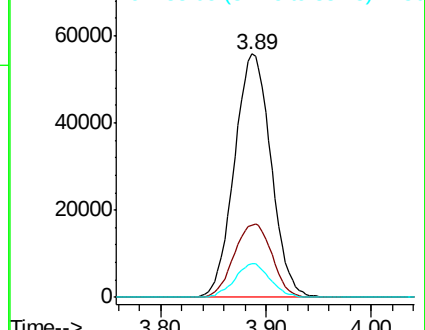
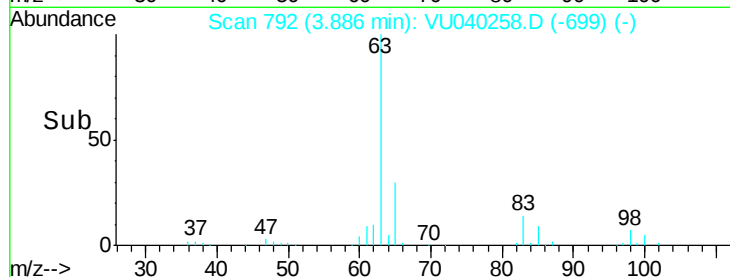
63 100

65 29.7 22.2 41.2

83 14.1 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU040258.D (-699) (-)



#21

2-Butanone

Concen: 41.837 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VU040258.D

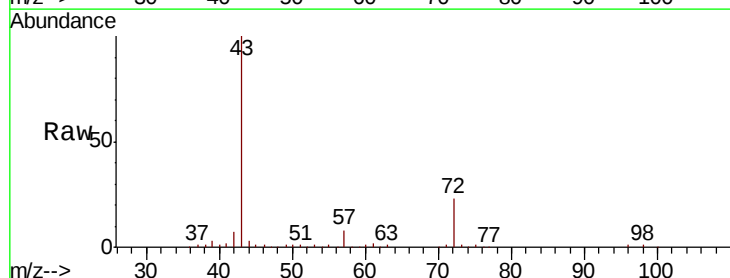
Acq: 23 Sep 2020 14:19

Tgt Ion: 43 Resp: 230093

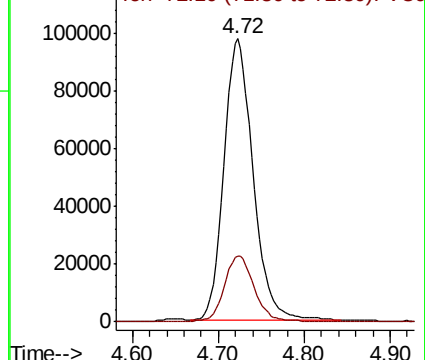
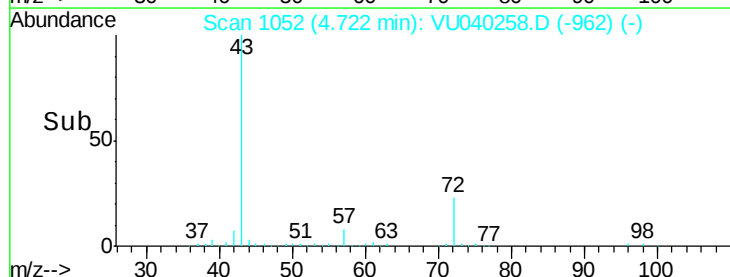
Ion Ratio Lower Upper

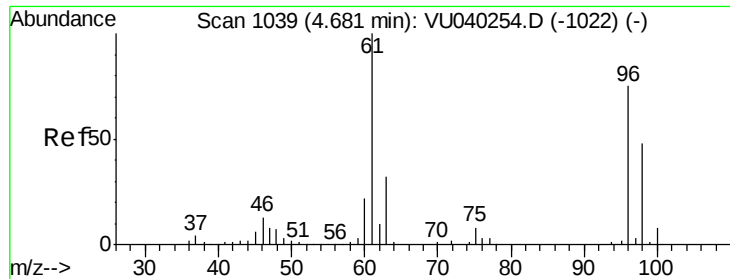
43 100

72 24.1 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU040258.D (-962) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.837 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

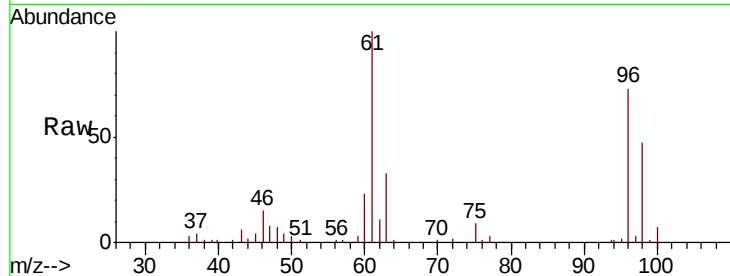
Tot Ion: 96 Resp: 72147

Ion Ratio Lower Upper

96 100

61 137.4 98.8 183.4

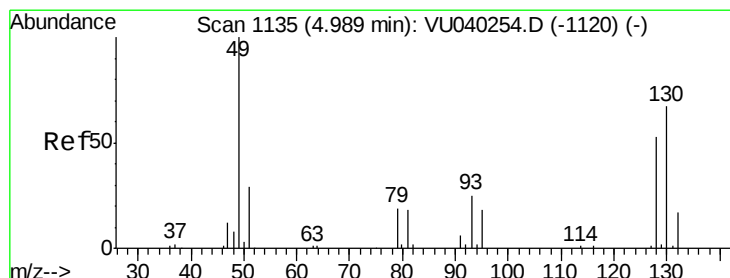
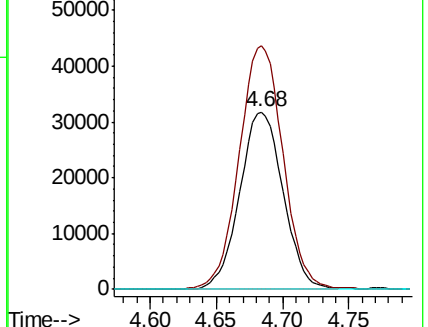
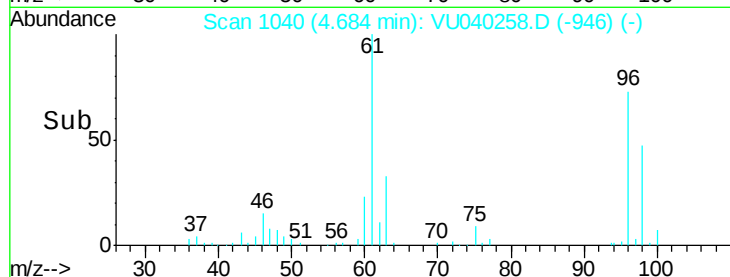
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040258.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU040258.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU040258.D (-946) (-)



#23

Bromochloromethane

Concen: 5.161 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

Tgt Ion: 128 Resp: 33732

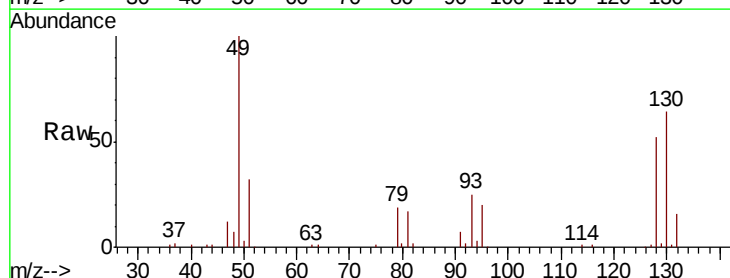
Ion Ratio Lower Upper

128 100

49 191.6 143.4 266.4

130 122.1 89.5 166.3

51 60.8 51.0 76.4

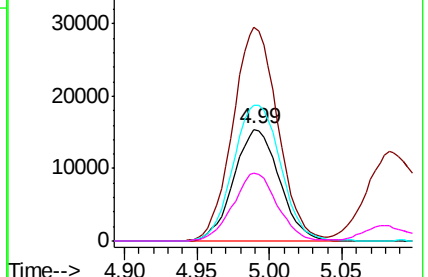
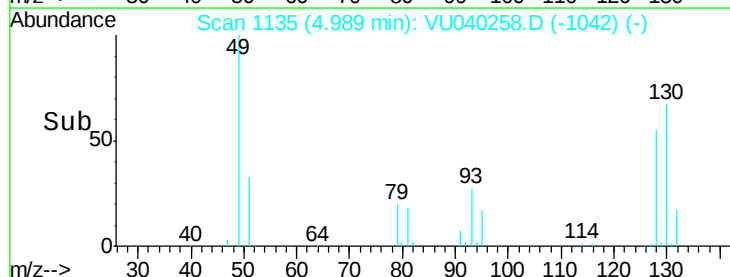


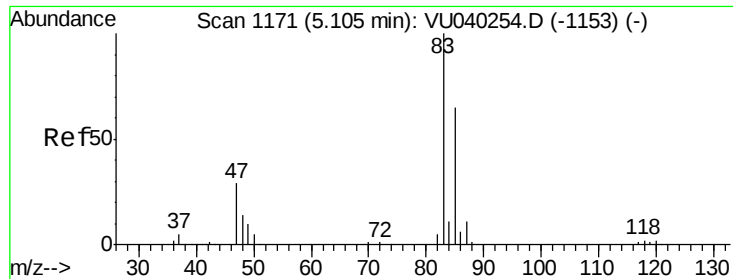
Abundance Ion 127.90 (127.60 to 128.60): VU040258.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU040258.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU040258.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU040258.D (-1042) (-)

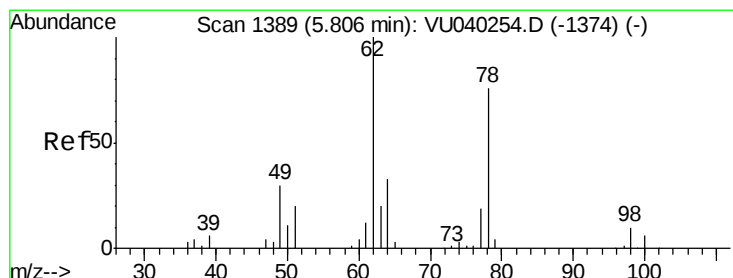
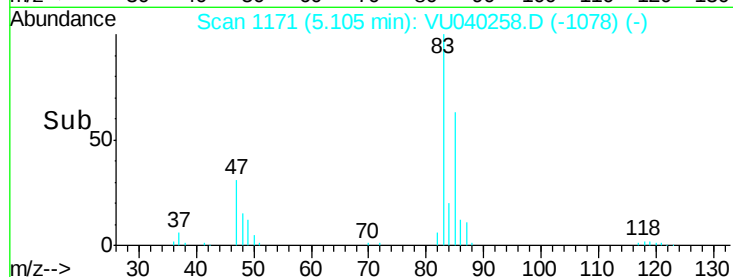
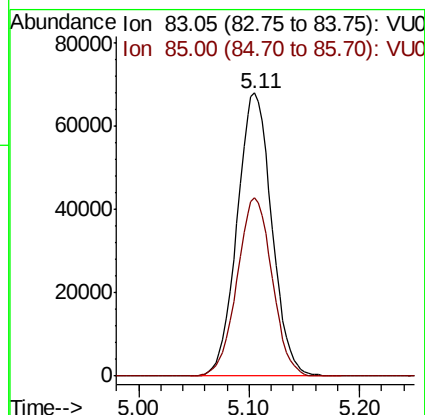
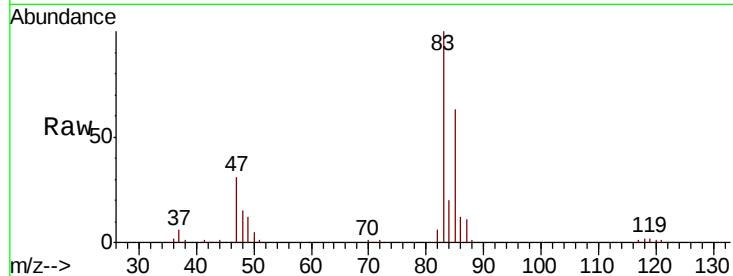




#25
Chloroform
Concen: 5.049 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040258.D
Acq: 23 Sep 2020 14:19

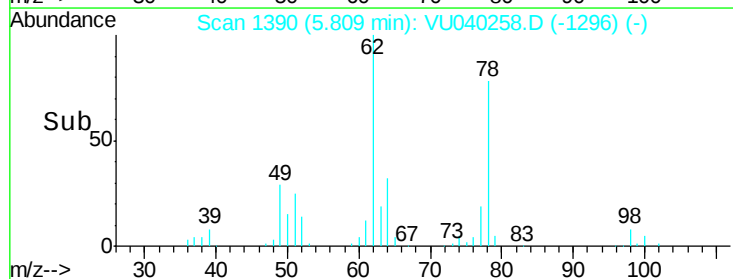
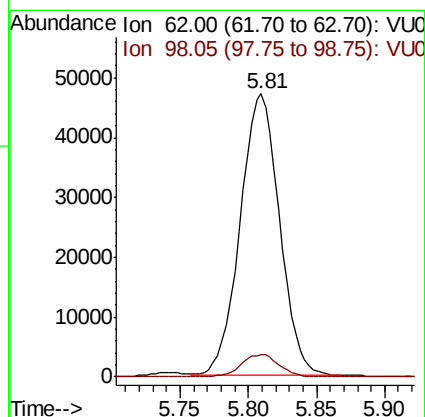
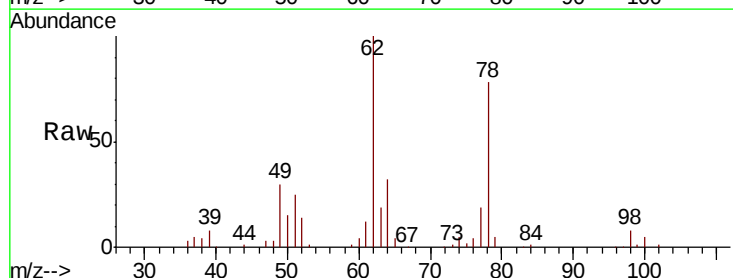
Instrument :
MSVOA_U
ClientSampleId :

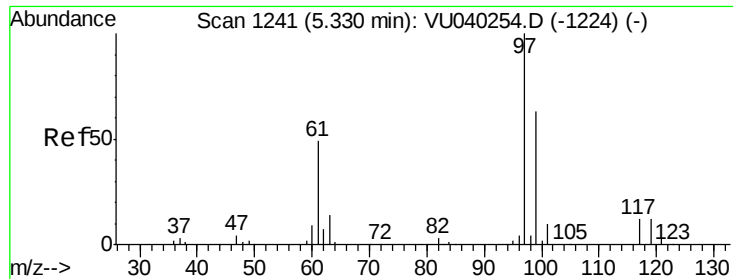
Tot Ion: 83 Resp: 147641
Ion Ratio Lower Upper
83 100
85 62.8 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.376 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040258.D
Acq: 23 Sep 2020 14:19

Tgt Ion: 62 Resp: 93743
Ion Ratio Lower Upper
62 100
98 7.6 6.1 9.1

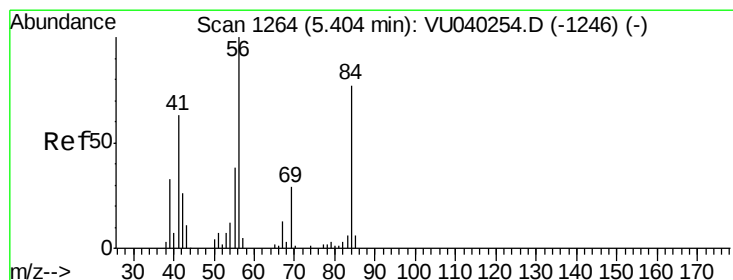
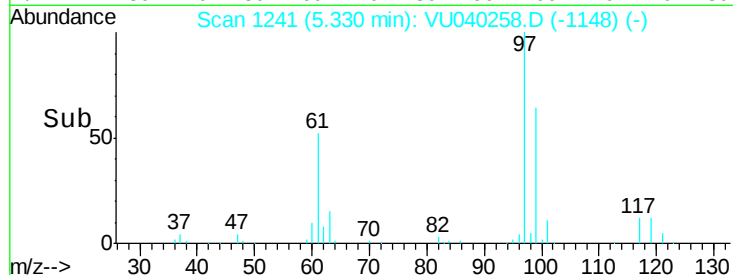
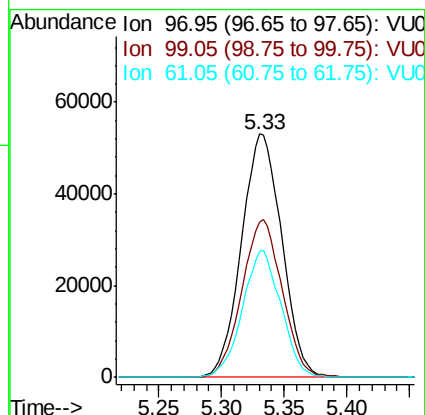
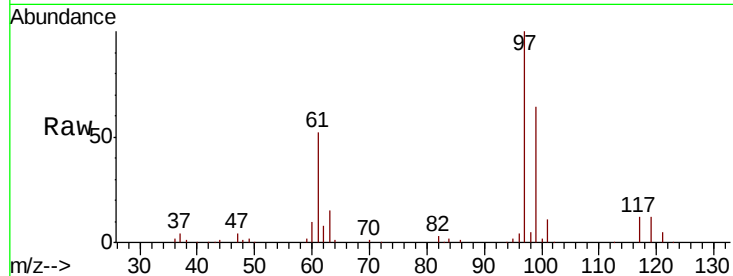




#29
 1,1,1-Trichloroethane
 Concen: 4.535 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040258.D
 Acq: 23 Sep 2020 14:19

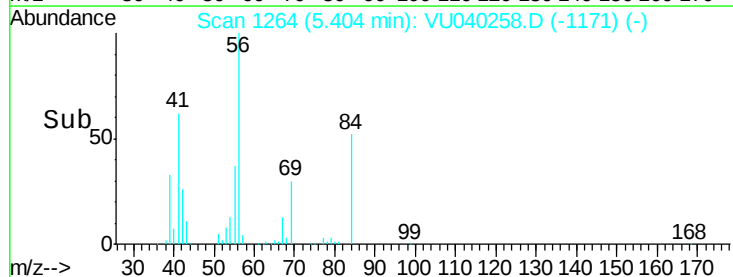
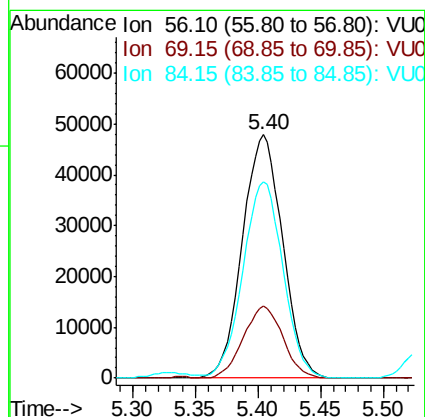
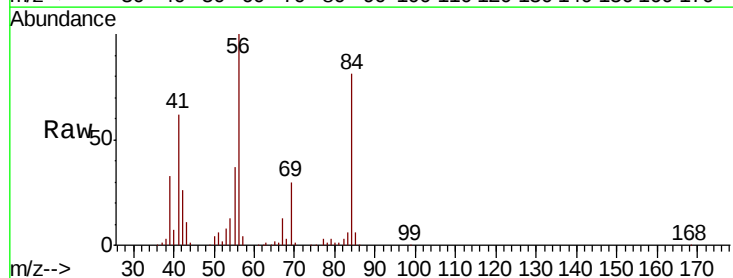
Instrument :
 MSVOA_U
 ClientSampleId :

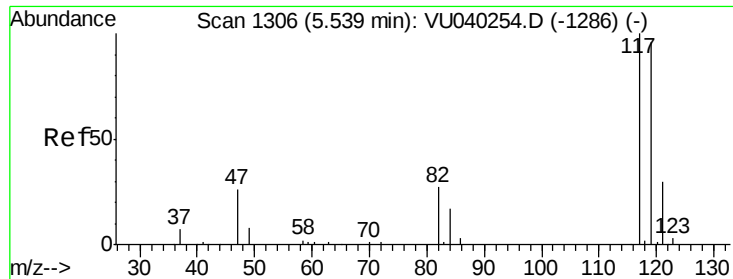
Tot Ion: 97 Resp: 118620
 Ion Ratio Lower Upper
 97 100
 99 65.0 50.9 76.3
 61 50.2 39.5 59.3



#30
 Cyclohexane
 Concen: 4.207 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040258.D
 Acq: 23 Sep 2020 14:19

Tgt Ion: 56 Resp: 106710
 Ion Ratio Lower Upper
 56 100
 69 29.1 24.1 36.1
 84 80.6 65.0 97.4

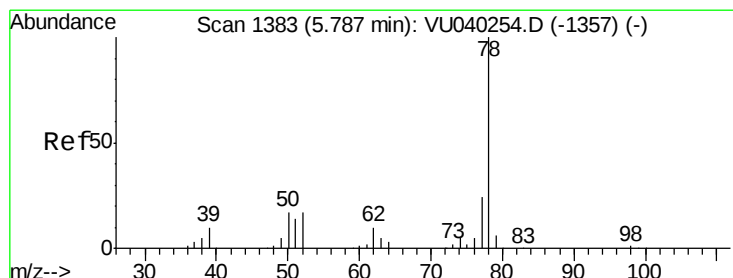
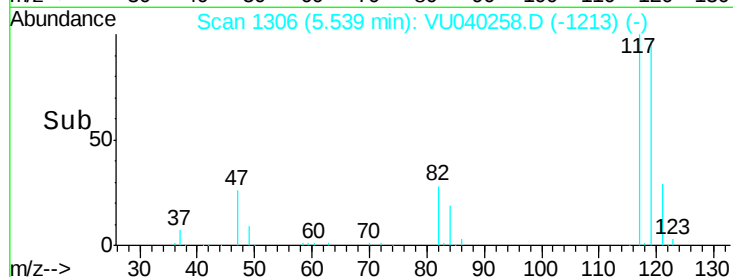
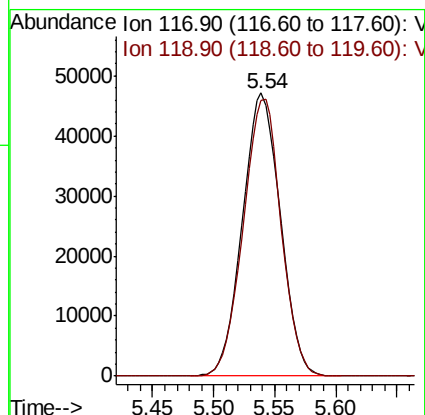
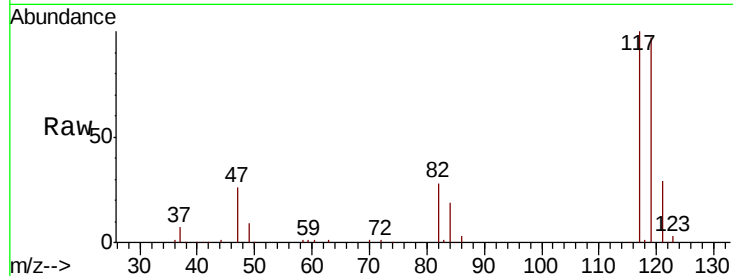




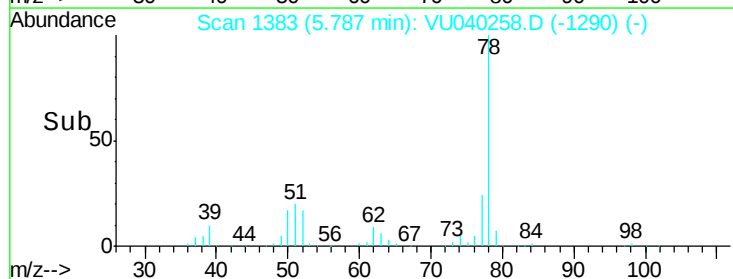
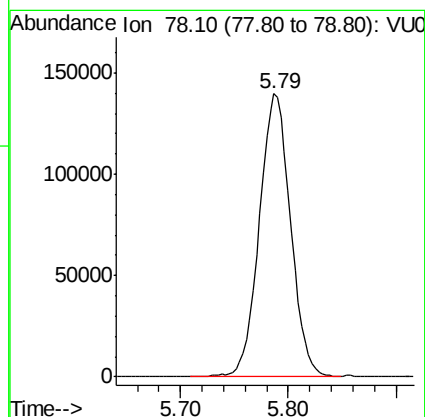
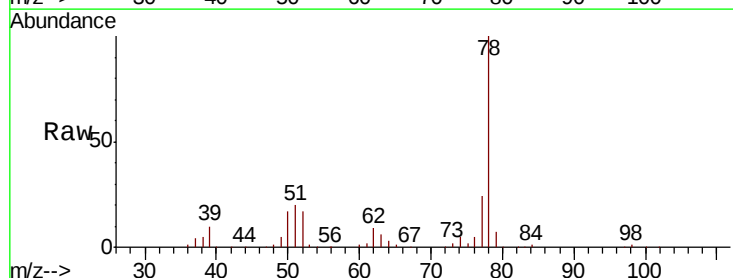
#31
Carbon tetrachloride
Concen: 4.519 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU040258.D
Acq: 23 Sep 2020 14:19

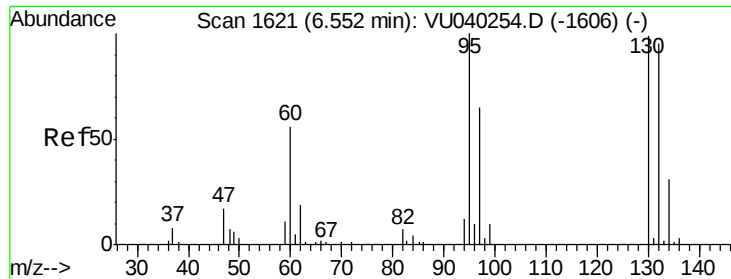
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 101165
Ion Ratio Lower Upper
117 100
119 97.3 77.7 116.5



#33
Benzene
Concen: 4.699 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040258.D
Acq: 23 Sep 2020 14:19
Tgt Ion: 78 Resp: 280095

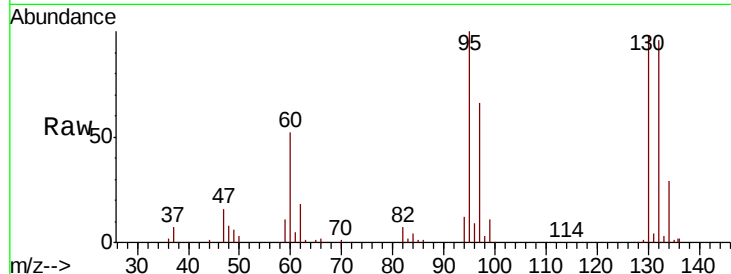




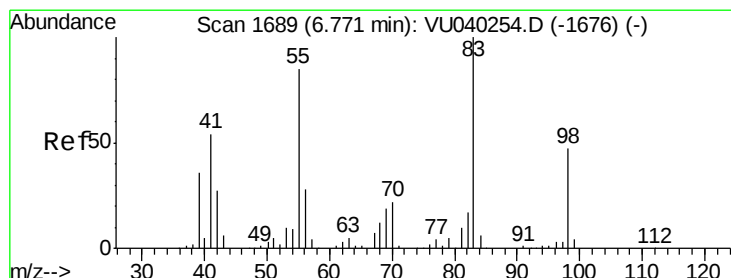
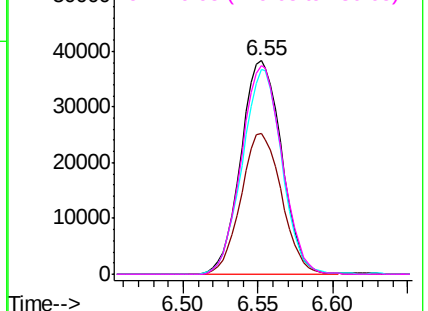
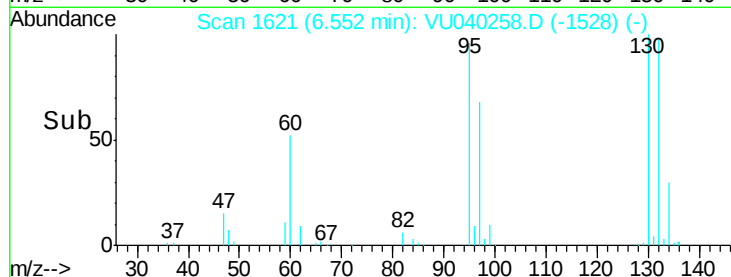
#34
 Trichloroethene
 Concen: 4.554 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040258.D
 Acq: 23 Sep 2020 14:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 72814
 Ion Ratio Lower Upper
 95 100
 97 66.2 43.3 80.5
 132 95.8 59.4 110.4
 130 98.0 64.8 120.4

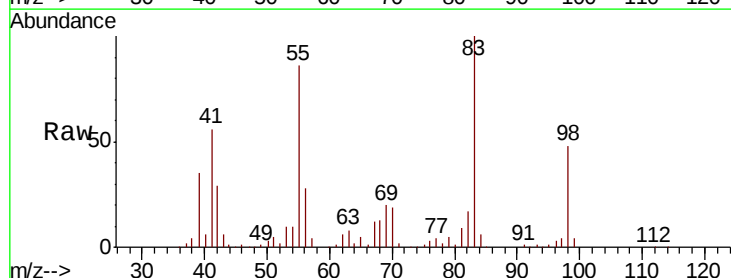


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

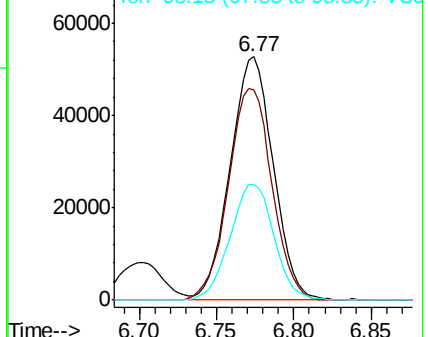
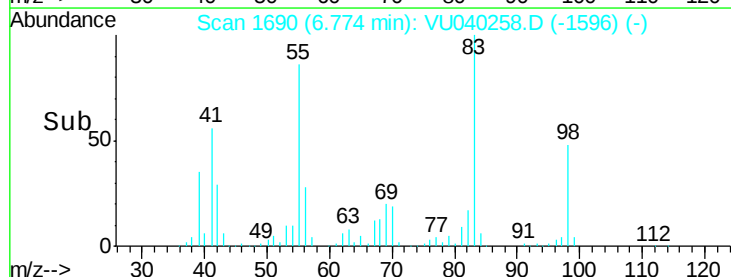


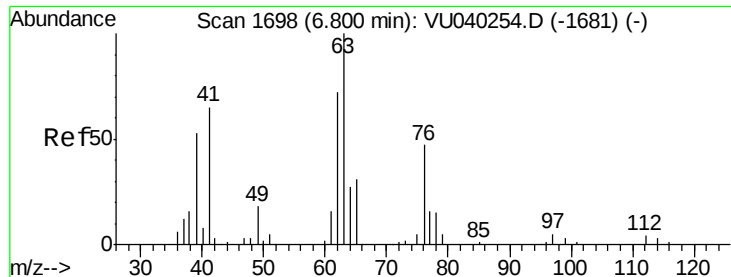
#35
 Methylcyclohexane
 Concen: 4.137 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040258.D
 Acq: 23 Sep 2020 14:19

Tgt Ion: 83 Resp: 101277
 Ion Ratio Lower Upper
 83 100
 55 88.7 70.5 105.7
 98 49.0 37.8 56.6



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

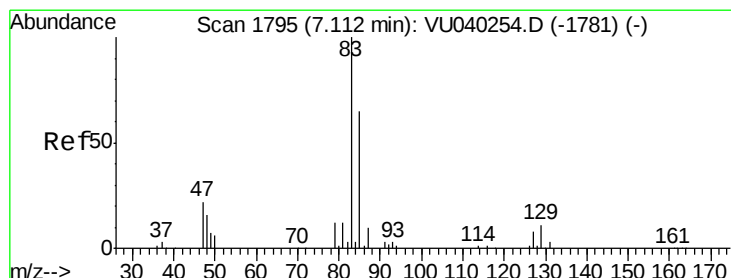
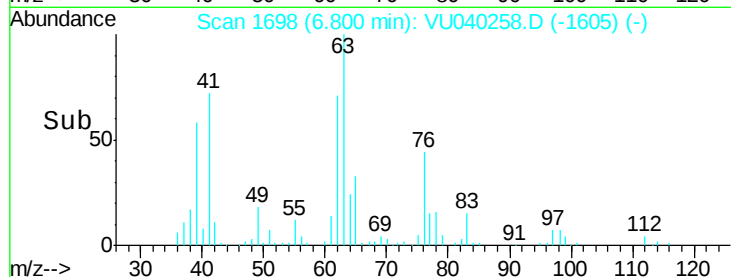
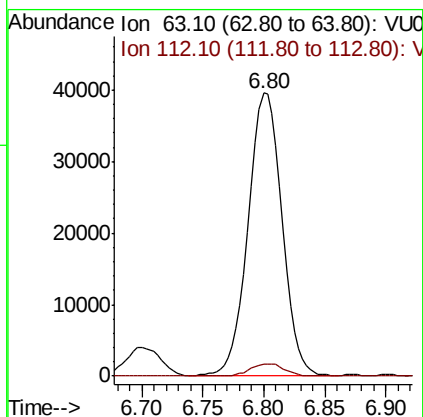
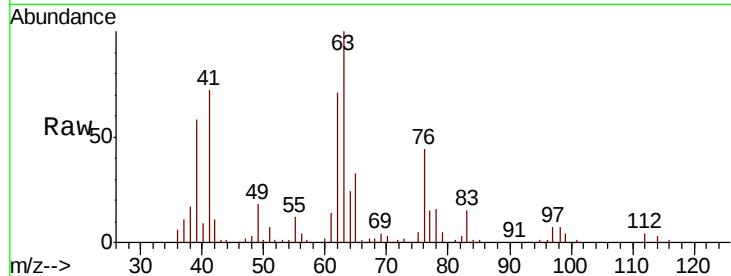




#37
 1,2-Dichloropropane
 Concen: 4.679 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040258.D
 Acq: 23 Sep 2020 14:19

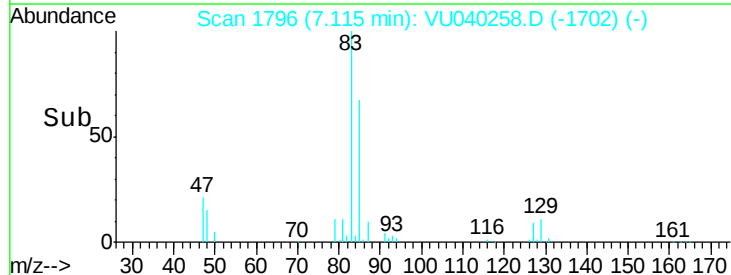
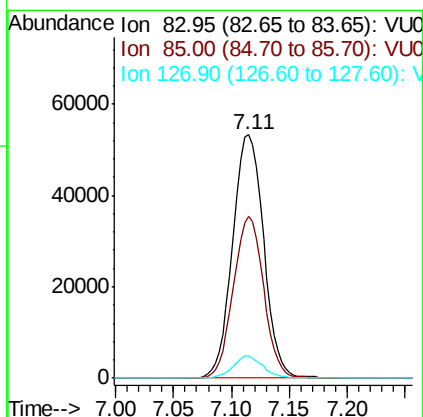
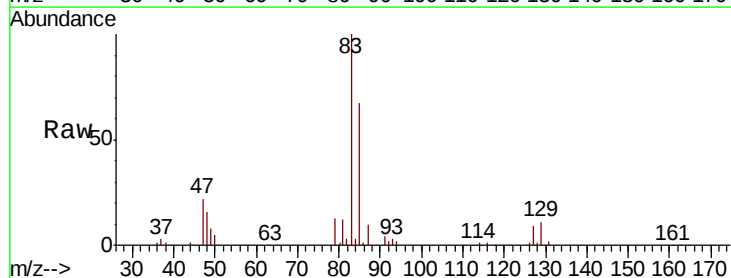
Instrument :
 MSVOA_U
 ClientSampled :

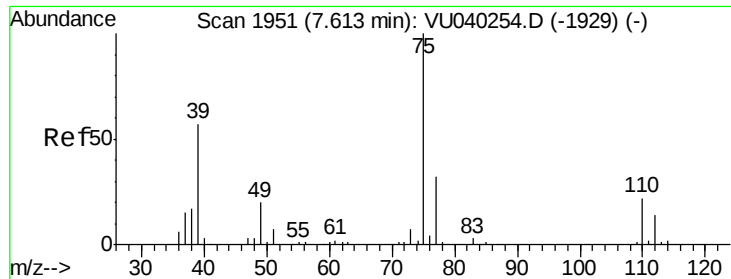
Tot Ion: 63 Resp: 75509
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.2 4.8



#38
 Bromodichloromethane
 Concen: 4.505 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040258.D
 Acq: 23 Sep 2020 14:19

Tgt Ion: 83 Resp: 99246
 Ion Ratio Lower Upper
 83 100
 85 66.7 45.1 83.9
 127 9.1 6.7 10.1



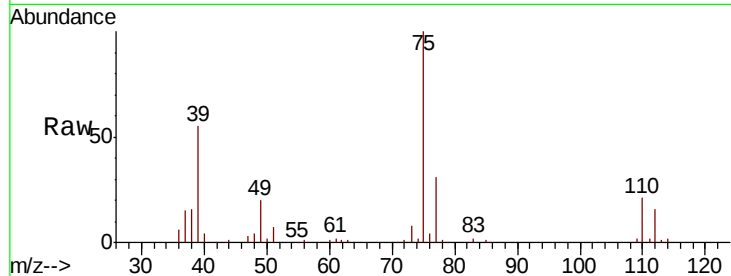


#39

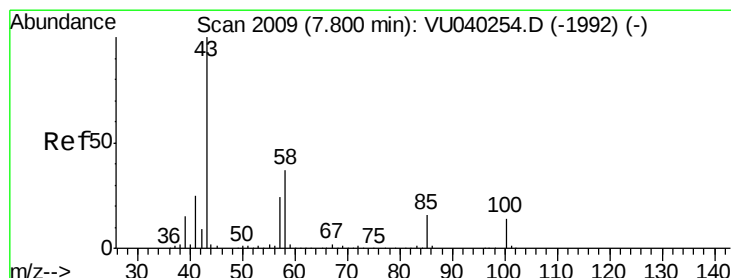
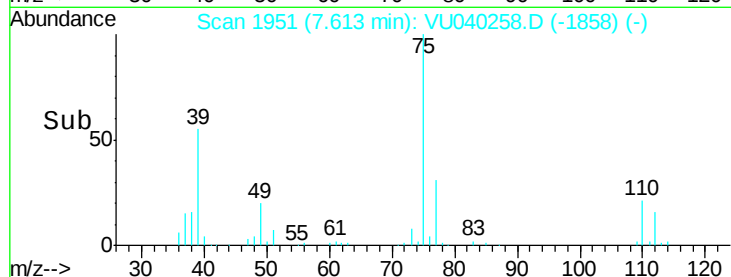
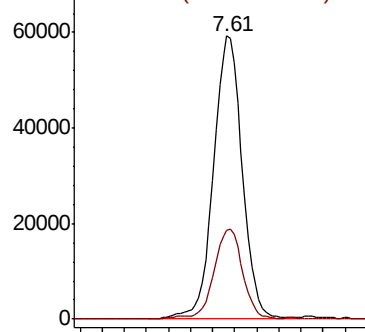
cis-1,3-Dichloropropene
 Concen: 4.507 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040258.D
 Acq: 23 Sep 2020 14:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 107280
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.1 39.3



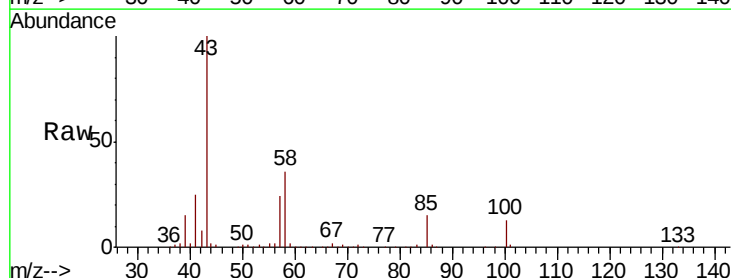
Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0



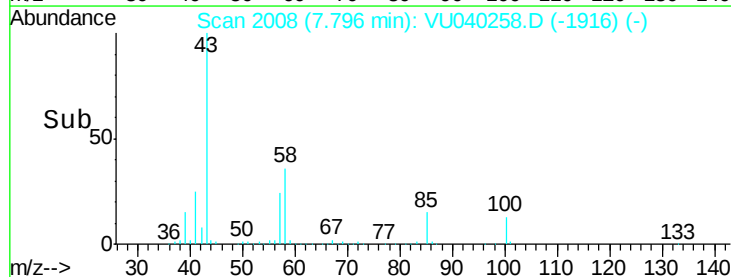
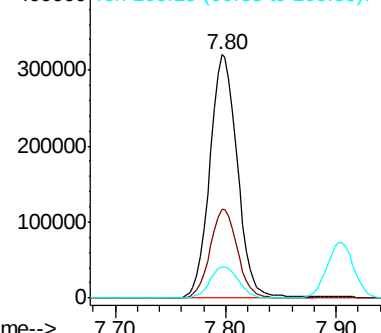
#40

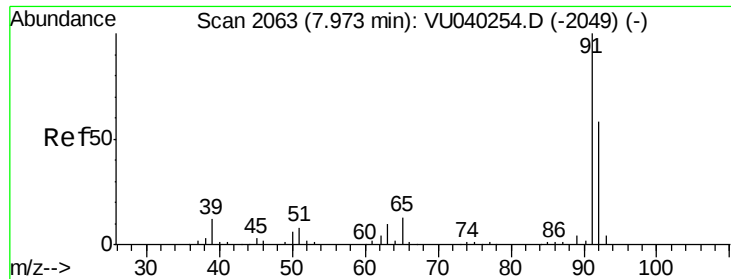
4-Methyl-2-pentanone
 Concen: 41.960 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU040258.D
 Acq: 23 Sep 2020 14:19

Tgt Ion: 43 Resp: 555610
 Ion Ratio Lower Upper
 43 100
 58 36.3 28.7 43.1
 100 13.3 10.2 15.2



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





#42

Toluene

Concen: 4.821 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

Instrument :

MSVOA_U

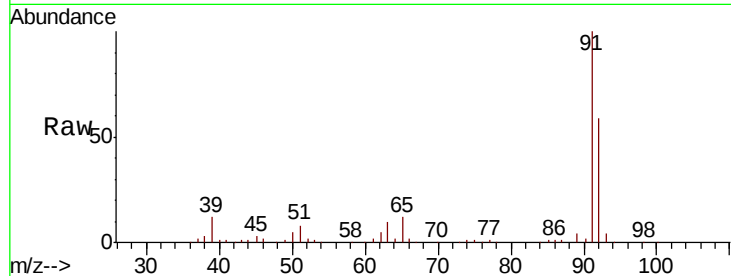
ClientSampleId :

Tot Ion: 91 Resp: 295898

Ion Ratio Lower Upper

91 100

92 59.1 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

200000

150000

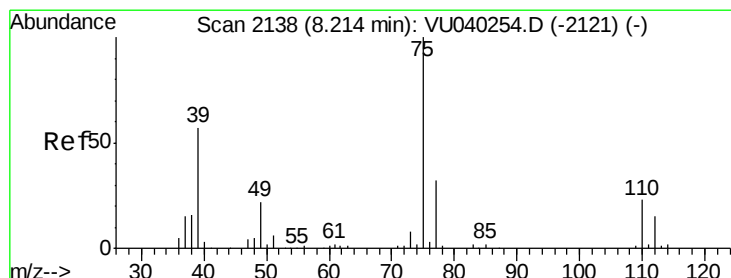
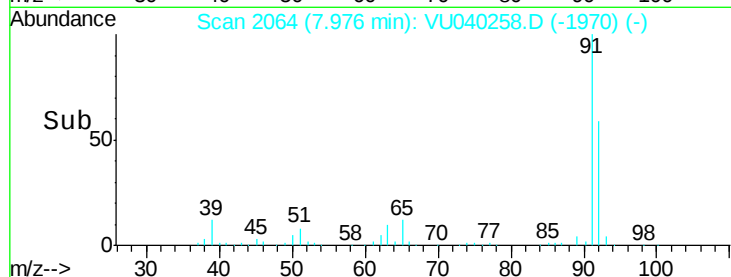
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.328 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040258.D

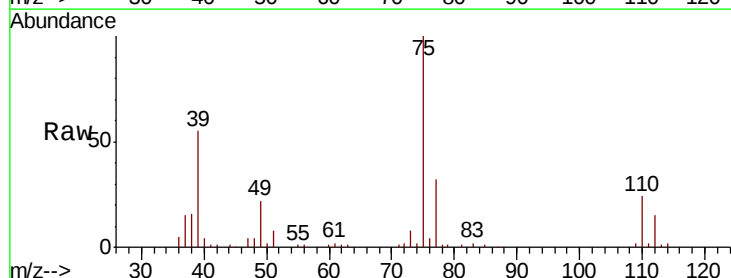
Acq: 23 Sep 2020 14:19

Tgt Ion: 75 Resp: 95456

Ion Ratio Lower Upper

75 100

77 31.7 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

60000

50000

40000

30000

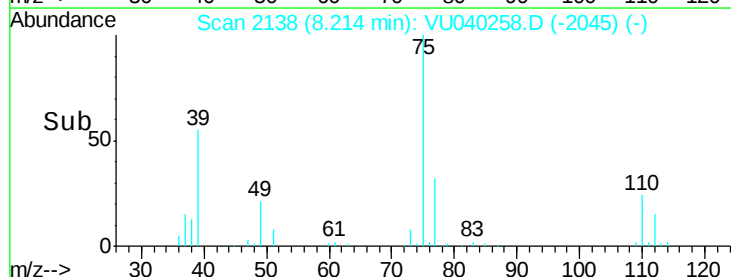
20000

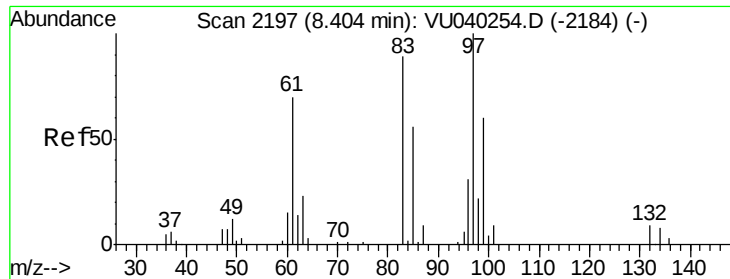
10000

0

8.10 8.15 8.20 8.25 8.30

Time-->

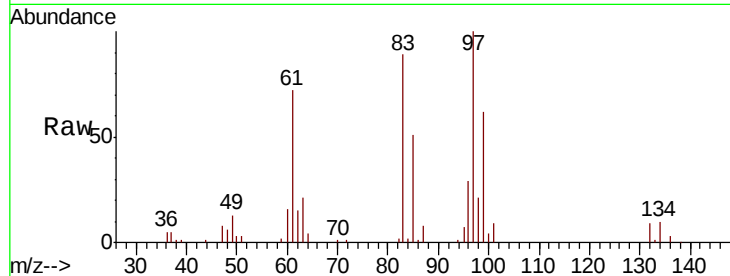




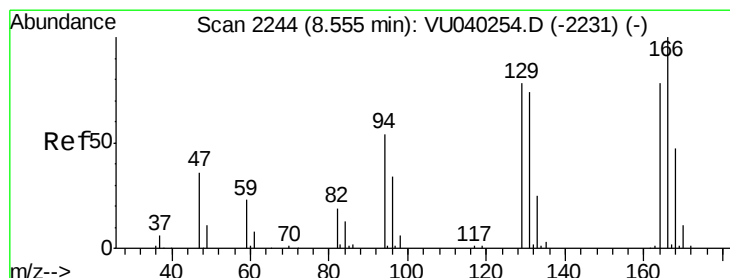
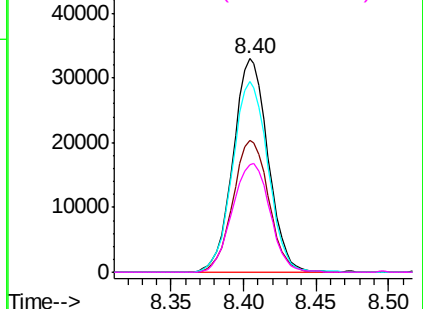
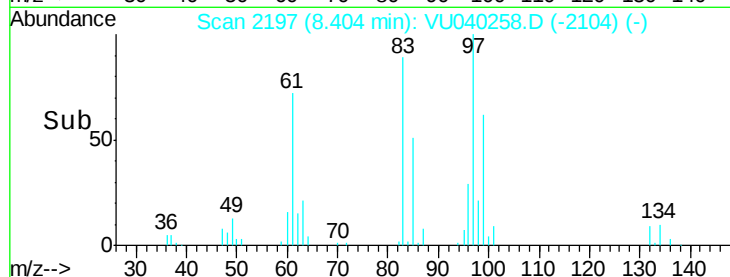
#45
 1,1,2-Trichloroethane
 Concen: 4.682 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040258.D
 Acq: 23 Sep 2020 14:19

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	55044
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.0	79.8
83	89.4	61.7	114.7
85	50.6	39.3	73.1

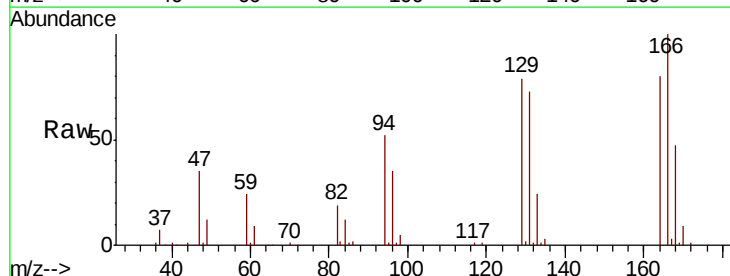


Abundance Ion 96.95 (96.65 to 97.65): VU040258.D (-2104) (-)
 Ion 99.05 (98.75 to 99.75): VU040258.D (-2104) (-)
 Ion 82.95 (82.65 to 83.65): VU040258.D (-2104) (-)
 Ion 85.00 (84.70 to 85.70): VU040258.D (-2104) (-)

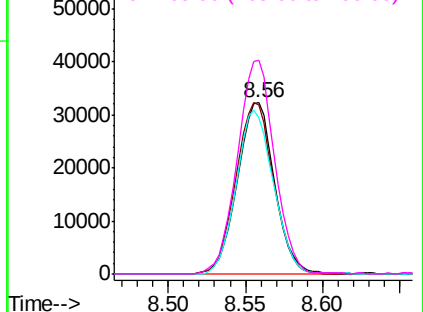
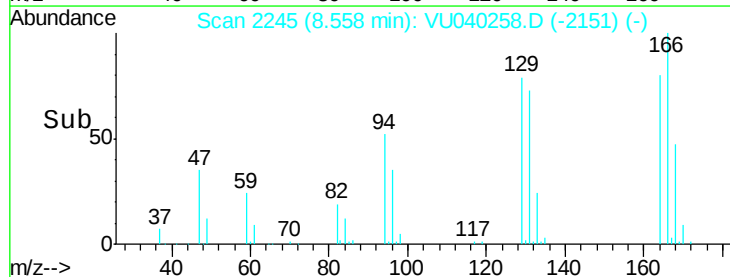


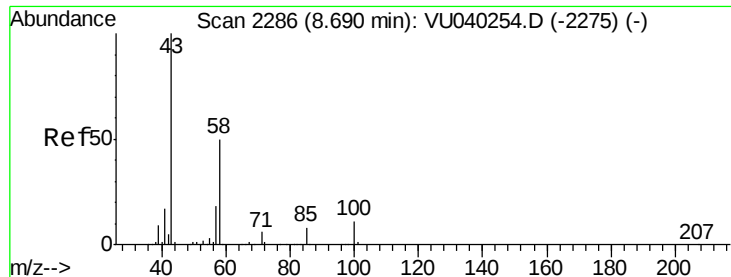
#47
 Tetrachloroethene
 Concen: 5.125 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040258.D
 Acq: 23 Sep 2020 14:19

Tgt Ion:	164	Resp:	53825
Ion	Ratio	Lower	Upper
164	100		
129	98.7	71.5	132.7
131	91.1	65.9	122.5
166	124.8	87.3	162.1



Abundance Ion 163.90 (163.60 to 164.60): VU040258.D (-2151) (-)
 Ion 128.95 (128.65 to 129.65): VU040258.D (-2151) (-)
 Ion 130.95 (130.65 to 131.65): VU040258.D (-2151) (-)
 Ion 165.90 (165.60 to 166.60): VU040258.D (-2151) (-)

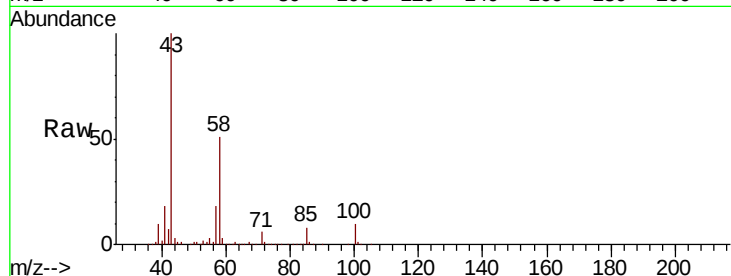




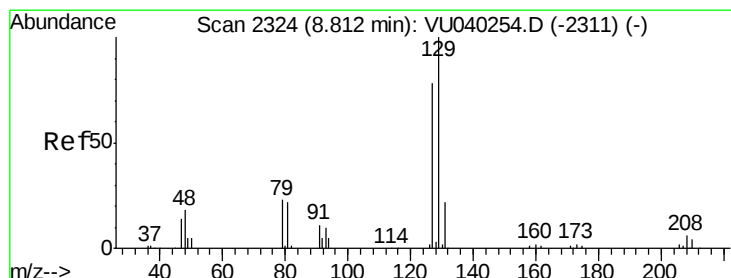
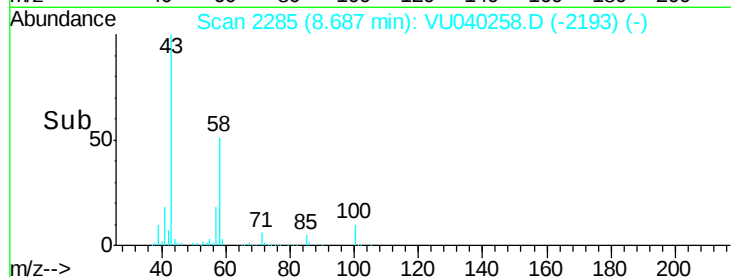
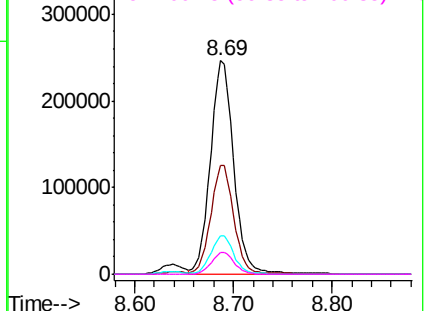
#48
2-Hexanone
Concen: 41.994 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU040258.D
Acq: 23 Sep 2020 14:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	405616
Ion	Ratio	Lower	Upper
43	100		
58	50.3	39.6	59.4
57	17.5	14.3	21.5
100	10.3	8.0	12.0

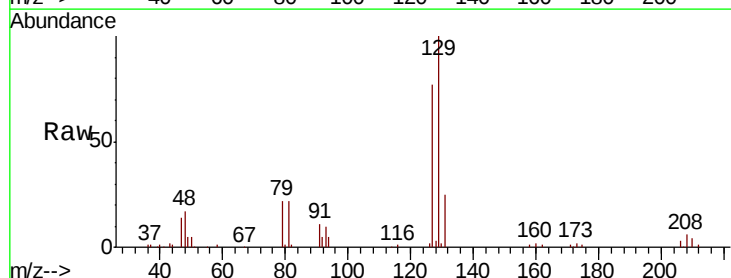


Abundance Ion 43.05 (42.75 to 43.75): VU040258.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040258.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040258.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040258.D (-2193) (-)

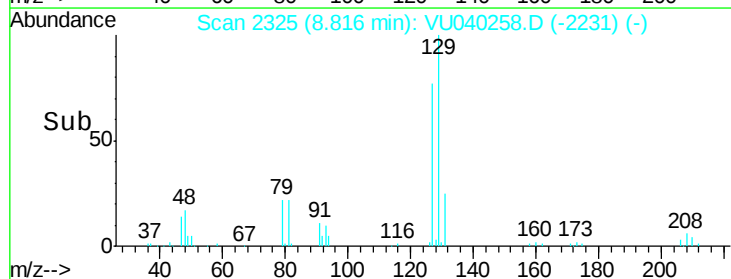
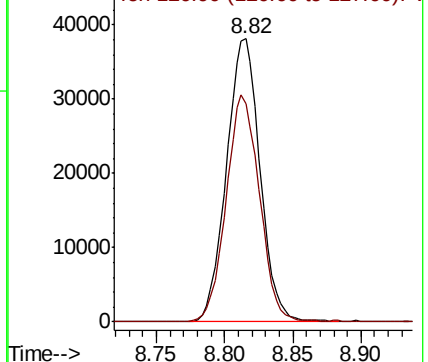


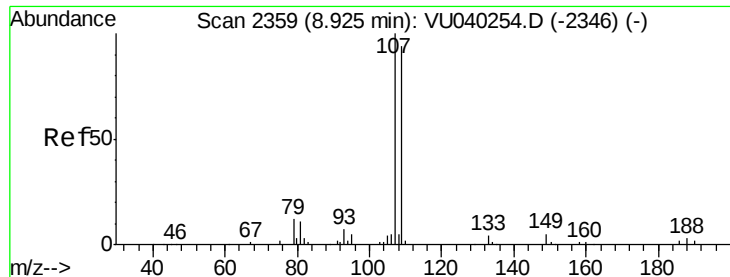
#49
Dibromochloromethane
Concen: 4.621 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040258.D
Acq: 23 Sep 2020 14:19

Tgt Ion:	129	Resp:	65209
Ion	Ratio	Lower	Upper
129	100		
127	76.9	53.7	99.7



Abundance Ion 128.95 (128.65 to 129.65): VU040258.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU040258.D (-2231) (-)

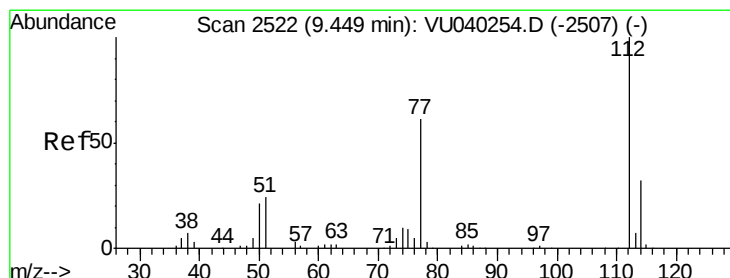
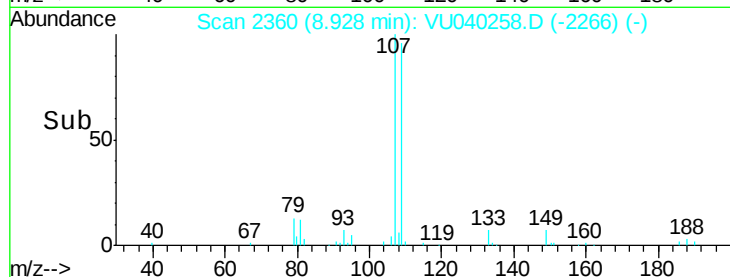
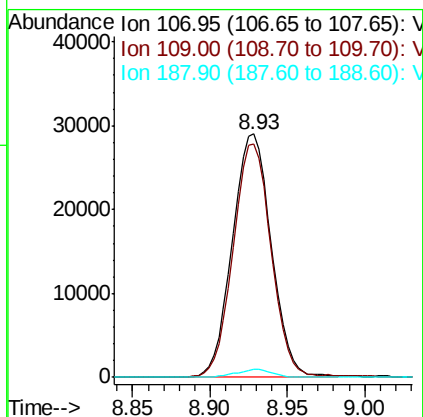
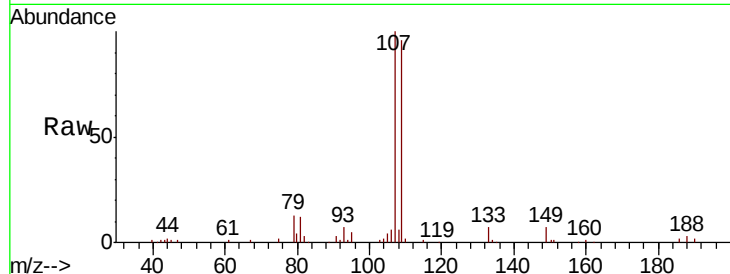




#50
 1,2-Dibromoethane
 Concen: 4.476 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040258.D
 Acq: 23 Sep 2020 14:19

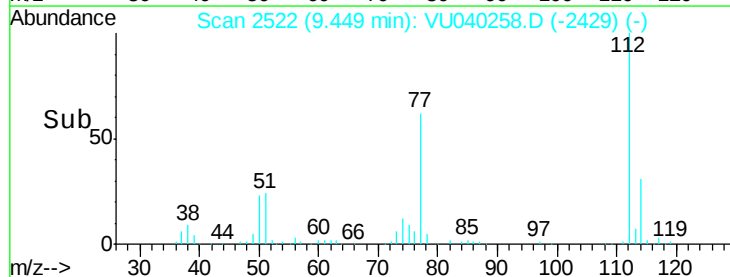
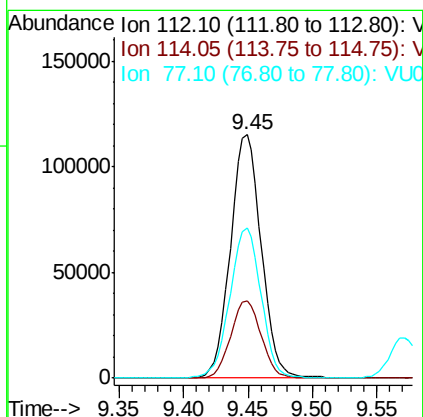
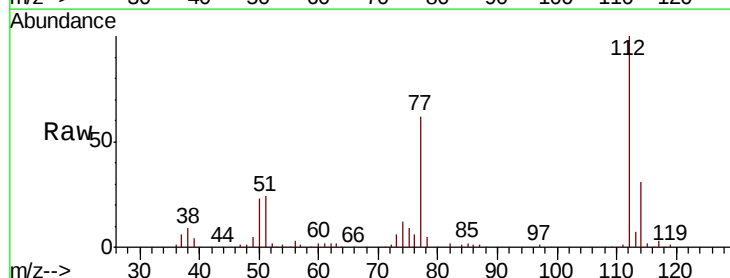
Instrument :
 MSVOA_U
 ClientSampleId :

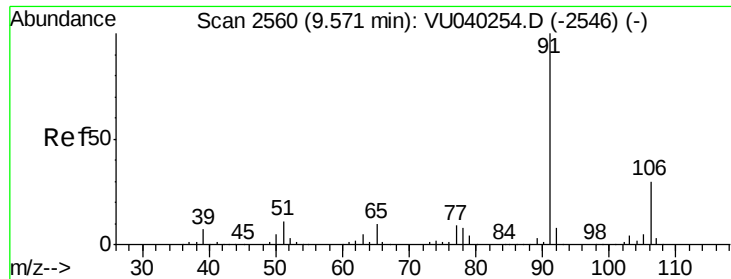
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	62.4	115.8
188	3.3	2.3	3.5



#51
 Chlorobenzene
 Concen: 5.005 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040258.D
 Acq: 23 Sep 2020 14:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.7	42.3
77	61.9	53.2	79.8





#52

Ethylbenzene

Concen: 4.669 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

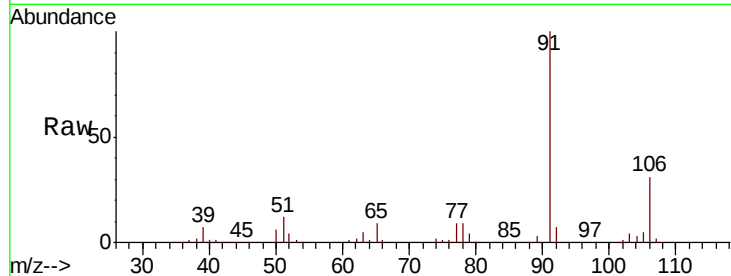
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 325610

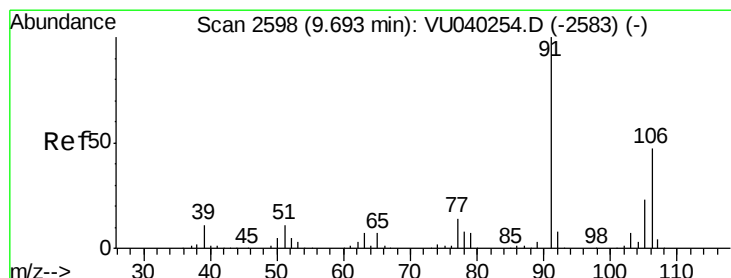
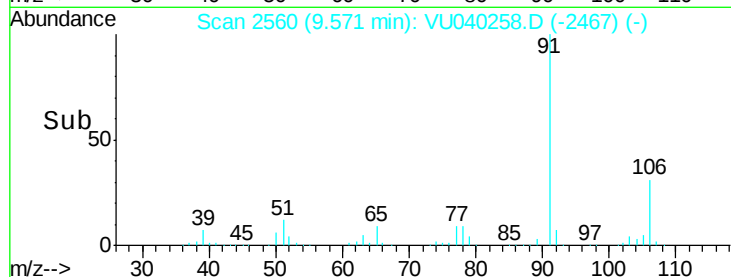
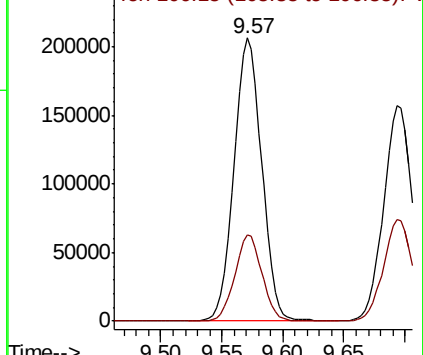
Ion Ratio Lower Upper

91 100

106 30.7 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040258.D (-2467) (-)



#53

m,p-Xylene

Concen: 4.970 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040258.D

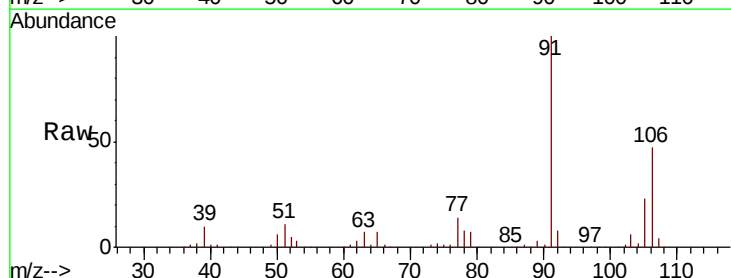
Acq: 23 Sep 2020 14:19

Tgt Ion: 106 Resp: 123414

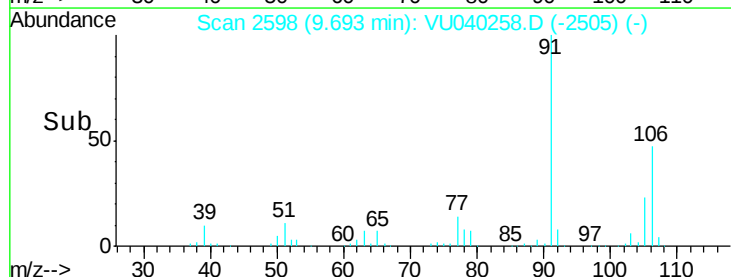
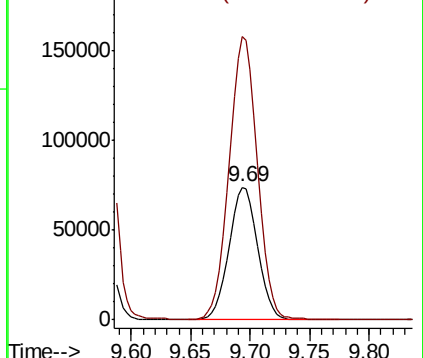
Ion Ratio Lower Upper

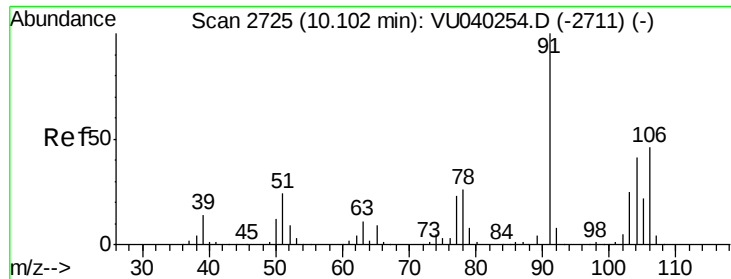
106 100

91 213.7 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040258.D (-2505) (-)

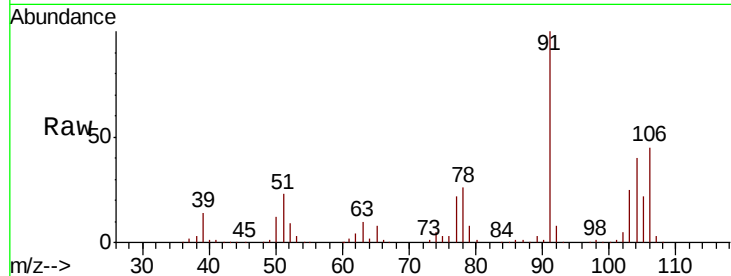




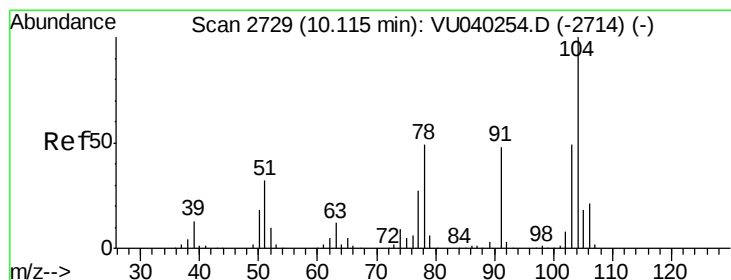
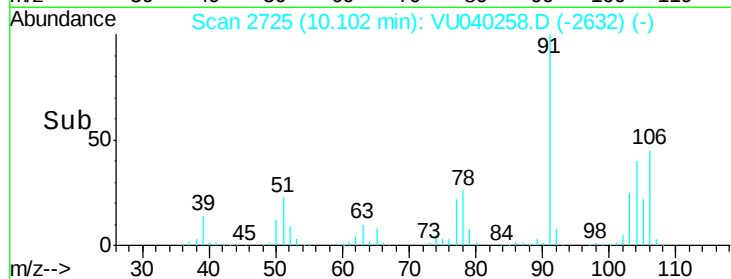
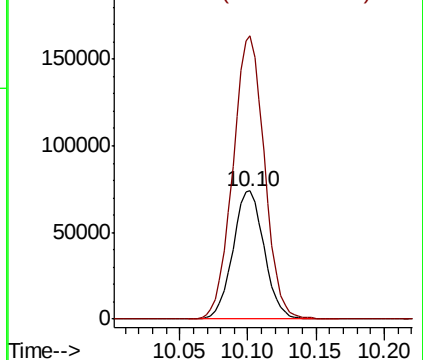
#54
o-Xylene
Concen: 4.994 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040258.D
Acq: 23 Sep 2020 14:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 118164
Ion Ratio Lower Upper
106 100
91 220.7 160.8 298.6

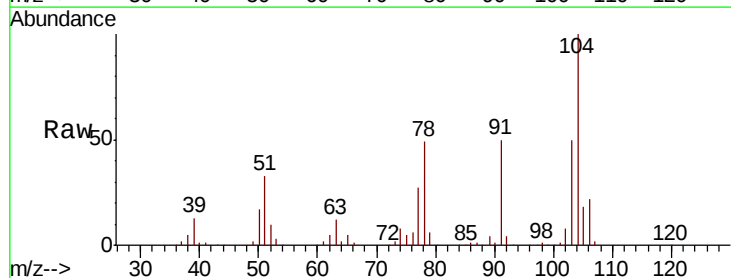


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

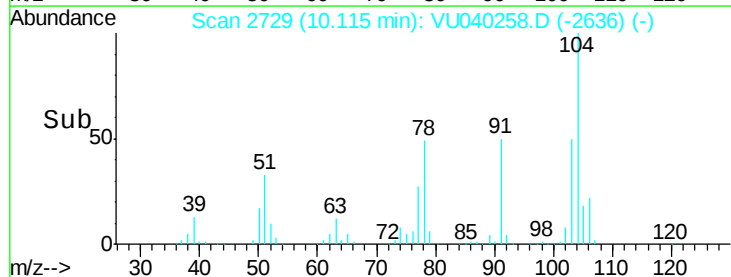
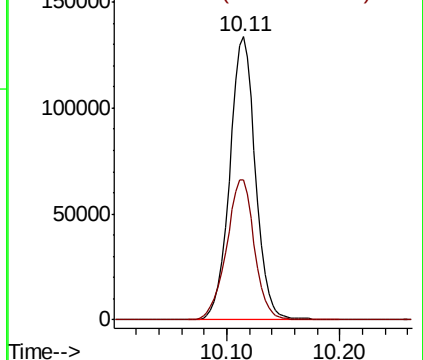


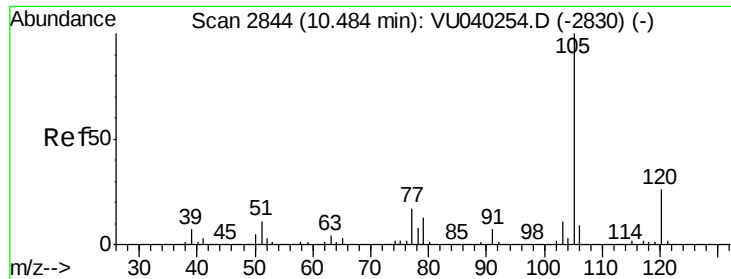
#55
Styrene
Concen: 5.126 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040258.D
Acq: 23 Sep 2020 14:19

Tgt Ion:104 Resp: 210921
Ion Ratio Lower Upper
104 100
78 49.4 36.8 68.3



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





#56

Isopropylbenzene

Concen: 4.950 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

Instrument :

MSVOA_U

ClientSampled :

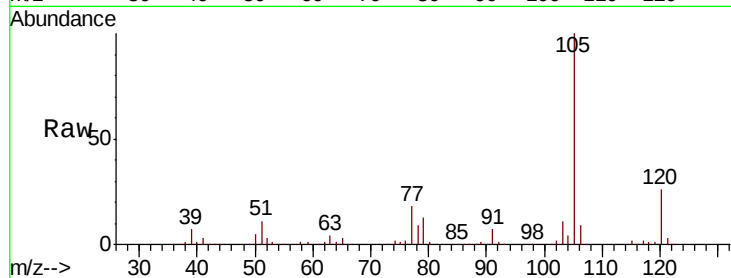
Tot Ion:105 Resp: 319418

Ion Ratio Lower Upper

105 100

120 26.7 20.1 30.1

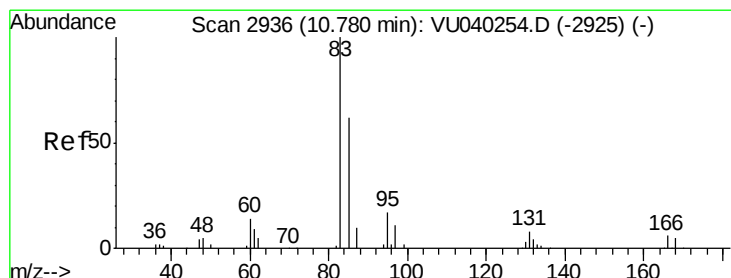
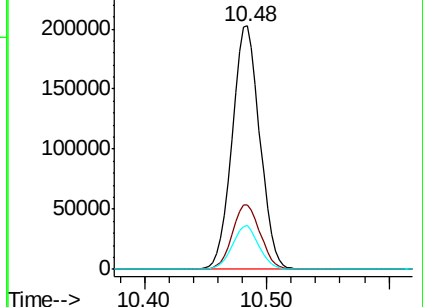
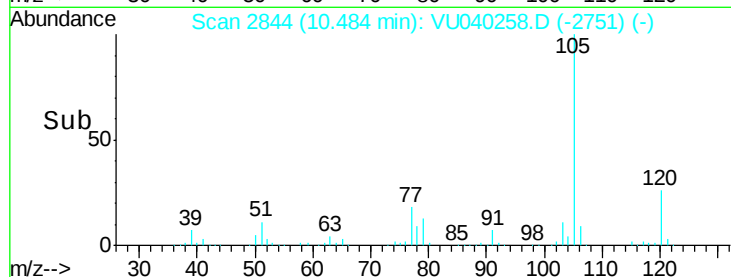
77 17.5 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.620 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

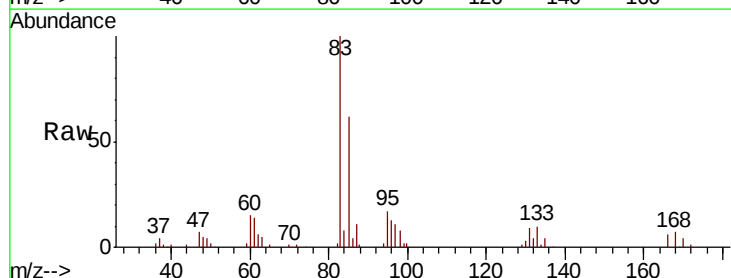
Tgt Ion: 83 Resp: 69643

Ion Ratio Lower Upper

83 100

85 62.3 44.9 83.3

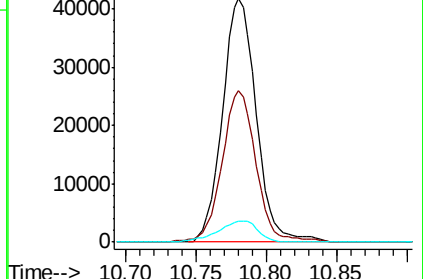
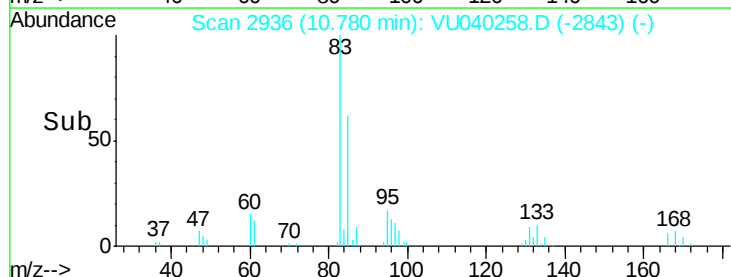
131 8.7 7.4 11.0

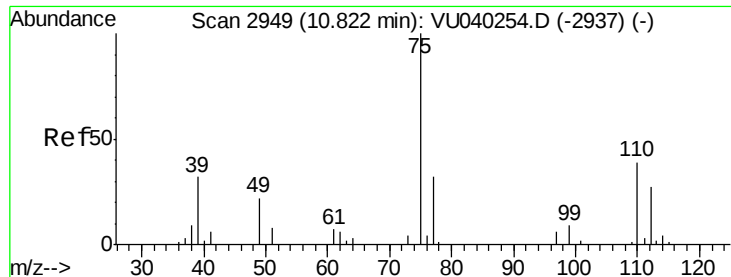


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.364 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

Instrument :

MSVOA_U

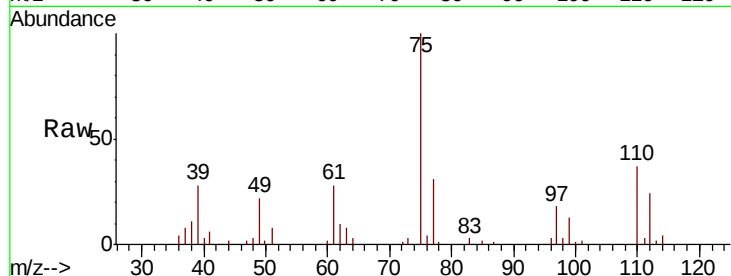
ClientSampleId :

Tot Ion: 75 Resp: 52184

Ion Ratio Lower Upper

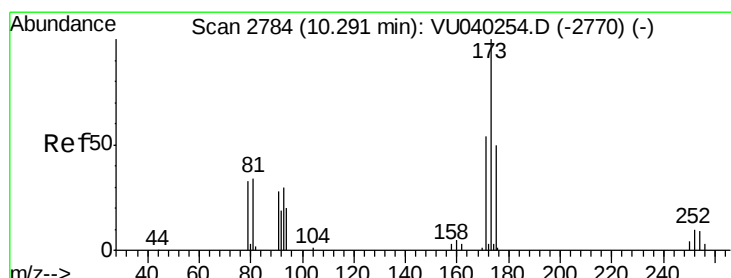
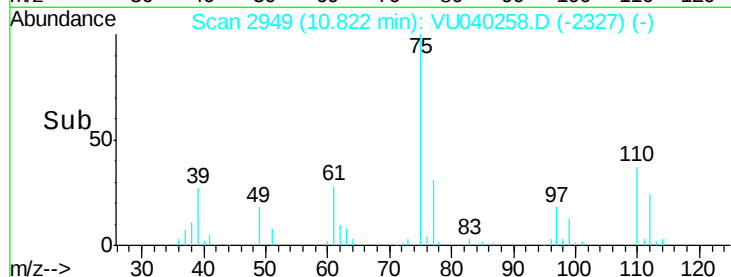
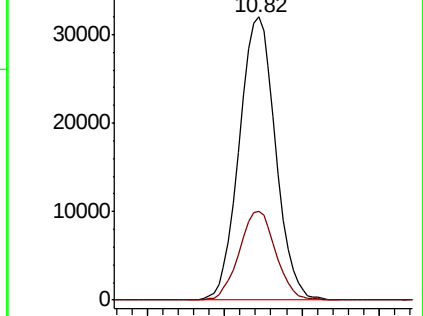
75 100

77 31.6 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU040258.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU040258.D (-2937) (-)



#61

Bromoform

Concen: 4.504 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

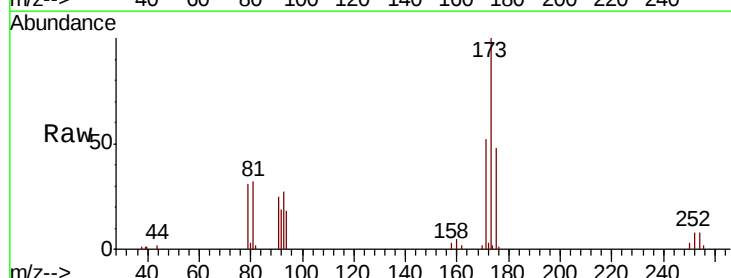
Tgt Ion:173 Resp: 35838

Ion Ratio Lower Upper

173 100

175 47.0 37.8 56.6

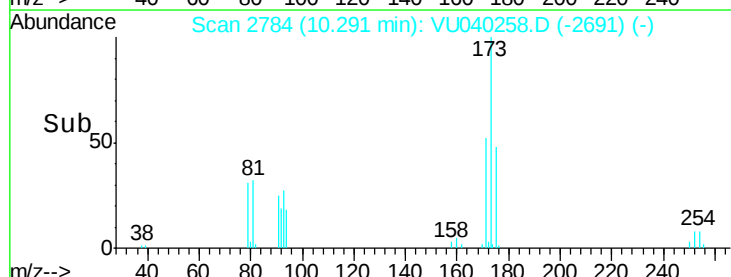
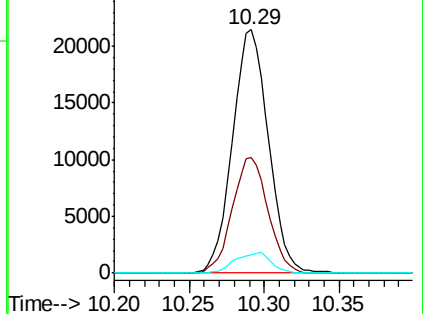
254 8.4 6.8 10.2

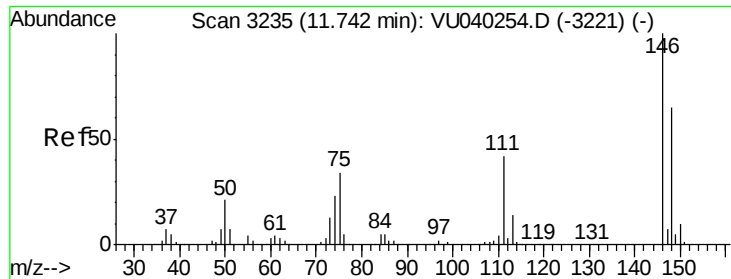


Abundance Ion 172.90 (172.60 to 173.60): VU040258.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VU040258.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VU040258.D (-2691) (-)





#62

1,3-Dichlorobenzene

Concen: 4.847 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

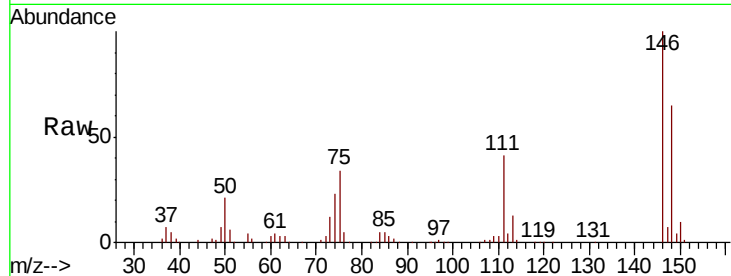
Tot Ion:146 Resp: 153697

Ion Ratio Lower Upper

146 100

111 41.4 31.6 58.8

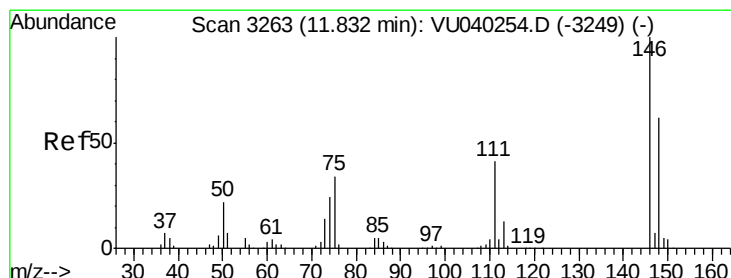
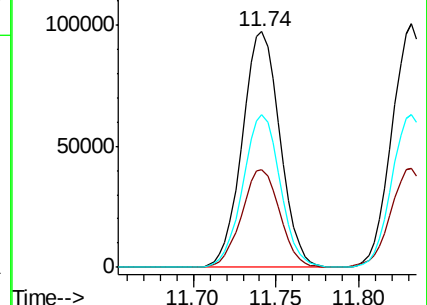
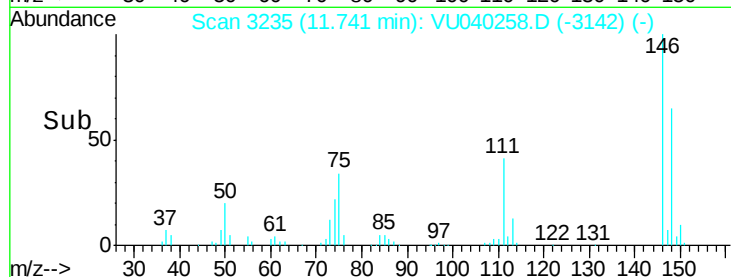
148 64.6 44.2 82.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.846 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

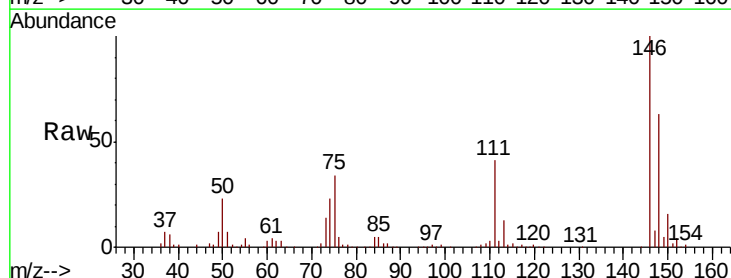
Tgt Ion:146 Resp: 155485

Ion Ratio Lower Upper

146 100

111 40.6 30.5 56.7

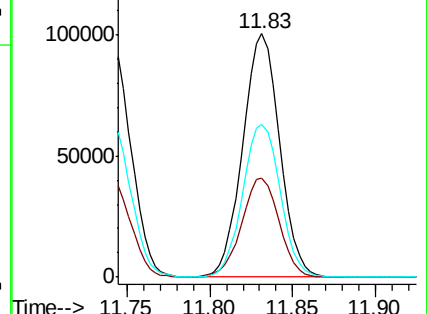
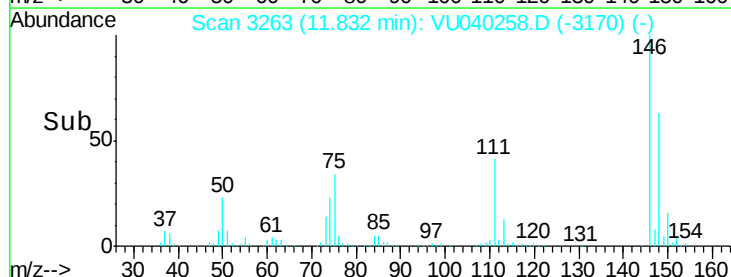
148 62.7 45.4 84.4

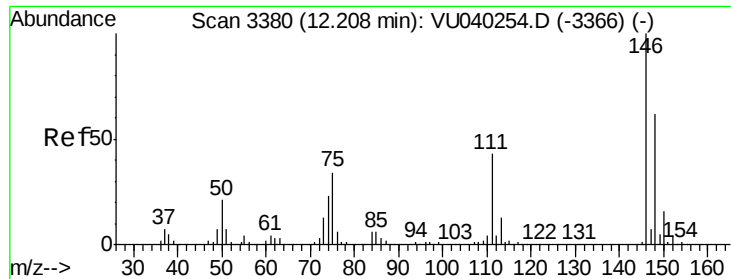


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.755 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

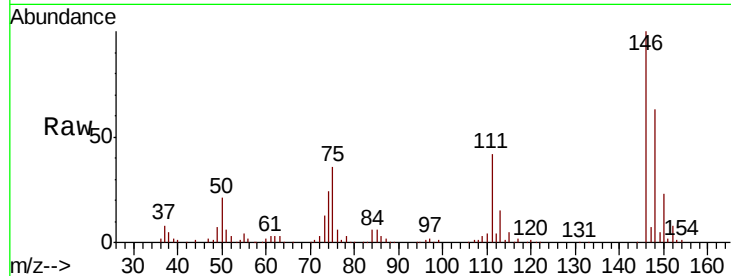
Tot Ion:146 Resp: 145903

Ion Ratio Lower Upper

146 100

111 41.8 36.5 54.7

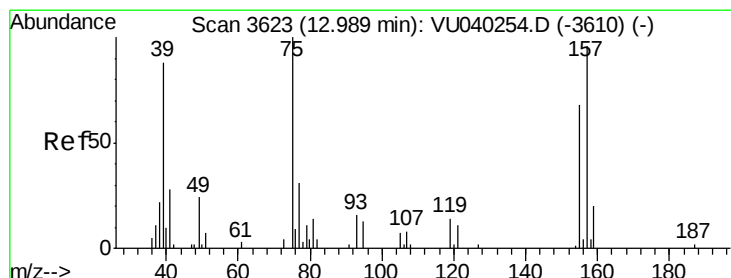
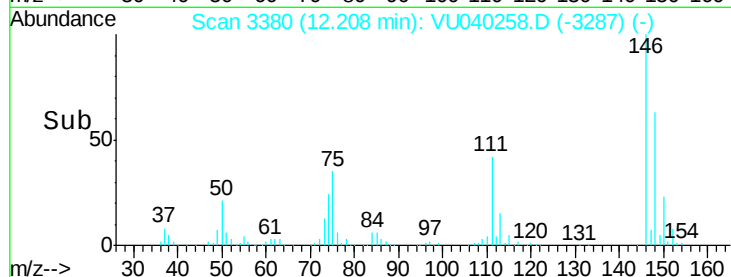
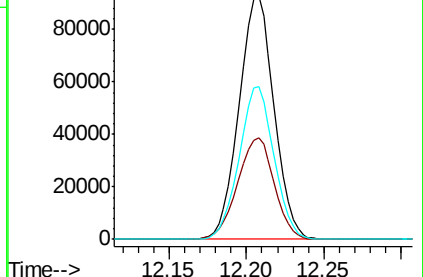
148 62.7 48.6 72.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 3.334 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040258.D

Acq: 23 Sep 2020 14:19

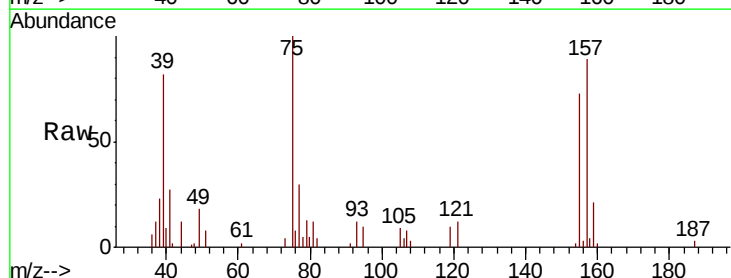
Tgt Ion: 75 Resp: 10942

Ion Ratio Lower Upper

75 100

155 73.4 54.6 82.0

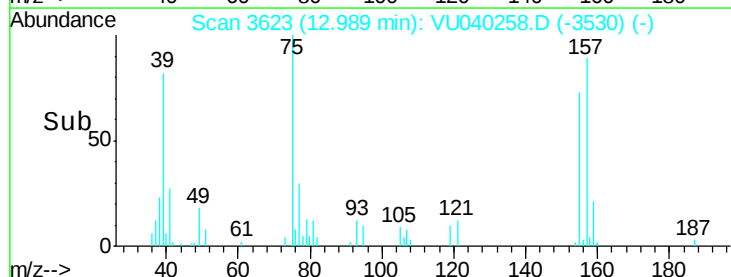
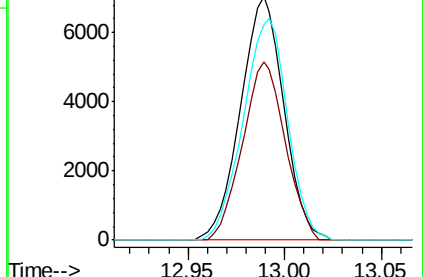
157 88.7 75.6 113.4

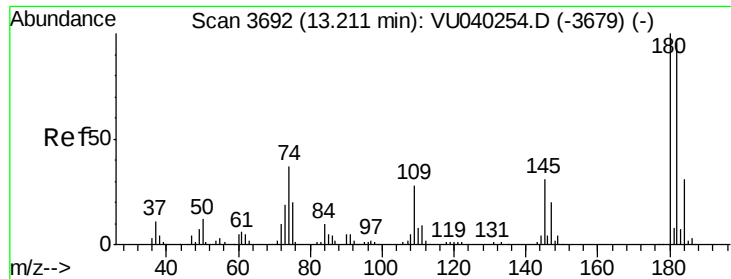


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

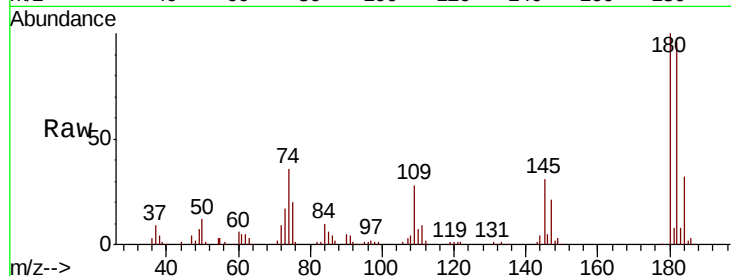




#67
 1,3,5-Trichlorobenzene
 Concen: 4.767 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040258.D
 Acq: 23 Sep 2020 14:19

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.9	115.3
184	30.7	24.6	36.8
145	31.3	27.0	40.6



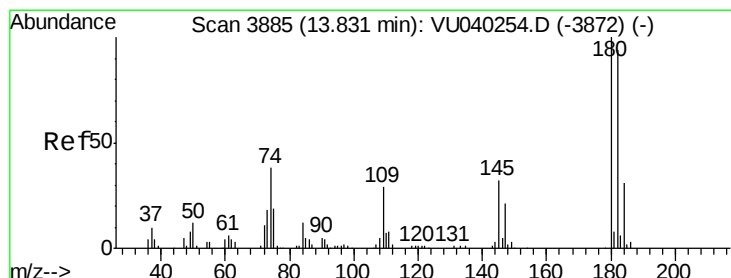
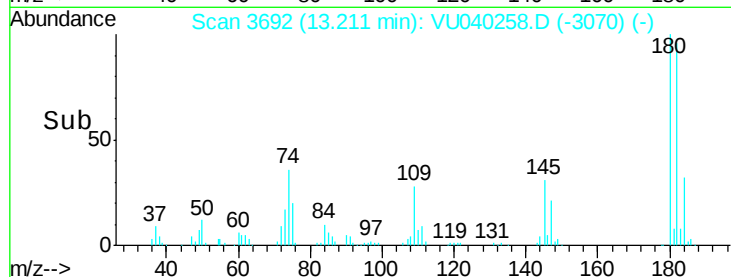
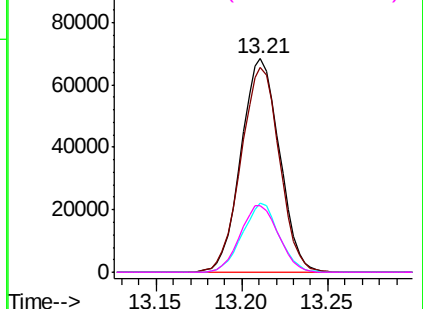
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

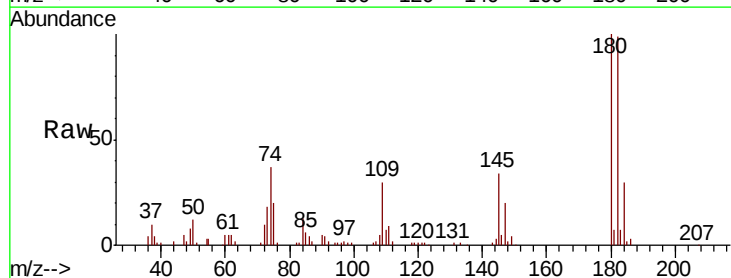
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.439 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040258.D
 Acq: 23 Sep 2020 14:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.0	114.0
145	33.0	28.4	42.6

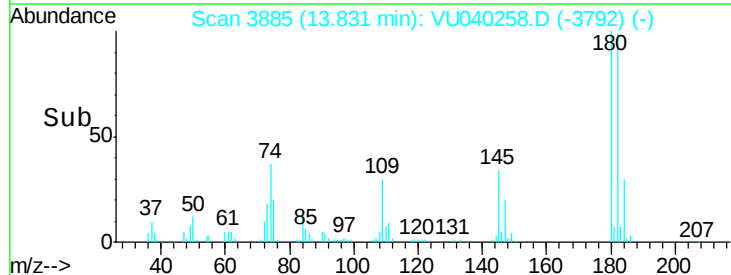
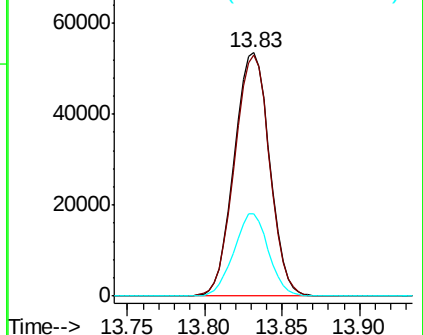


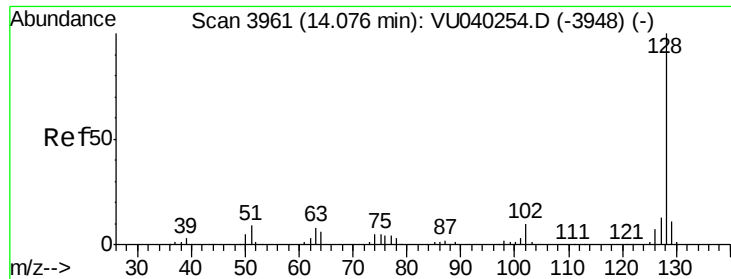
Abundance

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

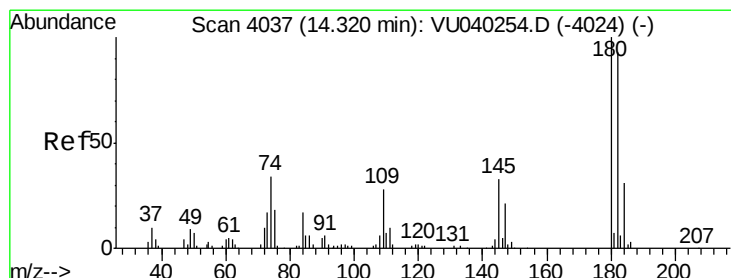
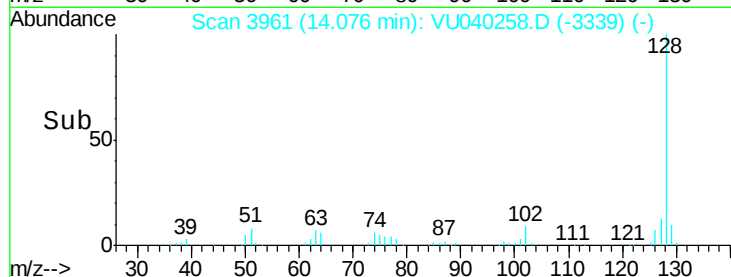
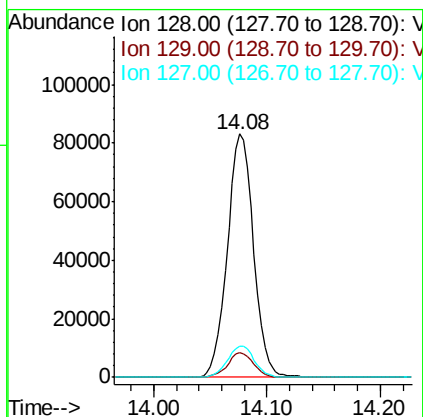
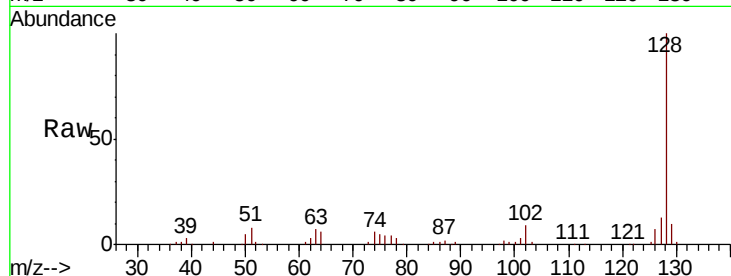




#69
Naphthalene
Concen: 3.345 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040258.D
Acq: 23 Sep 2020 14:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 133921
Ion Ratio Lower Upper
128 100
129 10.0 8.7 13.1
127 13.3 10.7 16.1



#70
1,2,3-Trichlorobenzene
Concen: 4.536 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU040258.D
Acq: 23 Sep 2020 14:19

Tgt Ion:180 Resp: 80024
Ion Ratio Lower Upper
180 100
182 93.1 77.8 116.6
145 33.4 28.7 43.1

