

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038844.D
 Acq On : 12 Jun 2020 11:46
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 13 00:41:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 12 11:07:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	305597	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	301467	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	156546	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	79070	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.93	69	63699	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.59	63	180979	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.60%
20) 2-Butanone-d5	4.68	46	261012	49.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.86%
24) Chloroform-d	5.10	84	176657	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.74	65	99482	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.76	84	345299	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.72	67	104249	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.92	98	321014	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	8.20	79	46955	5.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	8.65	63	220637	53.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.12%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	90186	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	123417	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	139914	4.700	ug/L 100
3) Chloromethane	1.53	50	116977	4.763	ug/L 98
5) Vinyl chloride	1.62	62	124995	4.791	ug/L 99
6) Bromomethane	1.87	94	73547	4.913	ug/L 97
8) Chloroethane	1.95	64	75169	4.665	ug/L 95
9) Trichlorofluoromethane	2.16	101	179588	4.638	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	104148	4.703	ug/L 98
12) 1,1-Dichloroethene	2.60	96	99463	4.647	ug/L 95
13) Acetone	2.68	43	198230	46.742	ug/L 99
14) Carbon disulfide	2.82	76	342922	4.707	ug/L 99
15) Methyl Acetate	2.98	43	48996	4.729	ug/L 98
16) Methylene chloride	3.08	84	113442	4.610	ug/L 96
17) Methyl tert-butyl Ether	3.40	73	264386	4.795	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	109415	4.761	ug/L 99
19) 1,1-Dichloroethane	3.91	63	194924	4.713	ug/L 99
21) 2-Butanone	4.76	43	333657	47.895	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	114030	4.764	ug/L 100

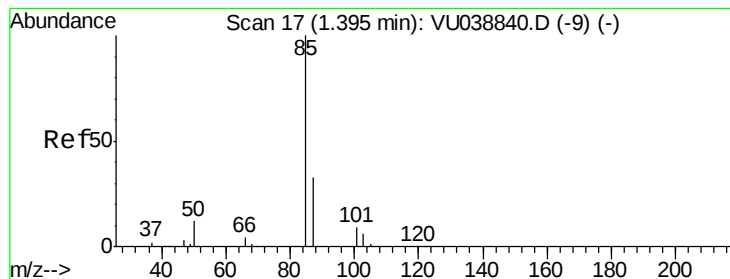
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038844.D
 Acq On : 12 Jun 2020 11:46
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Instrument :
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 ClientSampleId :

Quant Time: Jun 13 00:41:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 12 11:07:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	51106	4.555	ug/L	98
25) Chloroform	5.12	83	197960	4.642	ug/L	100
27) 1,2-Dichloroethane	5.83	62	139601	4.695	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	176803	4.752	ug/L	100
30) Cyclohexane	5.42	56	174204	4.832	ug/L	97
31) Carbon tetrachloride	5.56	117	147580	4.699	ug/L	99
33) Benzene	5.81	78	440841	4.840	ug/L	100
34) Trichloroethene	6.57	95	114971	4.833	ug/L	98
35) Methylcyclohexane	6.79	83	170230	4.602	ug/L	100
37) 1,2-Dichloropropane	6.82	63	110124	4.799	ug/L	99
38) Bromodichloromethane	7.13	83	141671	4.759	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	163513	4.807	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	765424	49.840	ug/L	99
42) Toluene	7.99	91	467242	4.859	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	147817	4.879	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	81923	4.681	ug/L	98
47) Tetrachloroethene	8.57	164	83649	4.568	ug/L	98
48) 2-Hexanone	8.71	43	582894	49.408	ug/L	99
49) Dibromochloromethane	8.83	129	95487	4.887	ug/L	95
50) 1,2-Dibromoethane	8.94	107	81335	4.761	ug/L	100
51) Chlorobenzene	9.47	112	296756	4.792	ug/L	98
52) Ethylbenzene	9.59	91	510649	4.820	ug/L	100
53) m,p-Xylene	9.71	106	199306	4.979	ug/L	97
54) o-Xylene	10.12	106	190574	4.958	ug/L	99
55) Styrene	10.13	104	327641	4.953	ug/L	98
56) Isopropylbenzene	10.50	105	508668	4.951	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	101445	4.662	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	80227	4.713	ug/L	100
61) Bromoform	10.31	173	52070	4.618	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	241973	4.788	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	245678	4.766	ug/L	100
65) 1,2-Dichlorobenzene	12.22	146	229314	4.823	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.01	75	18561	4.813	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	178546	4.823	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	163481	4.990	ug/L	98
69) Naphthalene	14.11	128	329902	5.305	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	154181	5.148	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.700 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

Instrument :

MSVOA_U

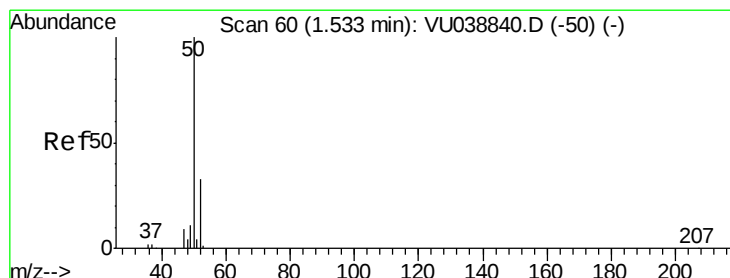
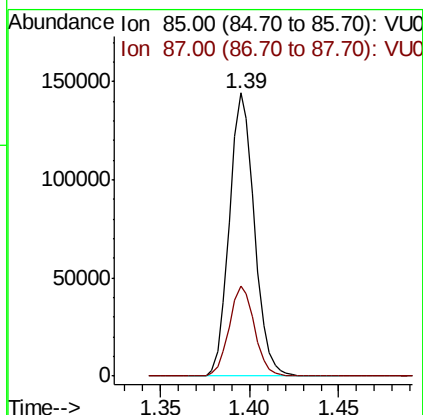
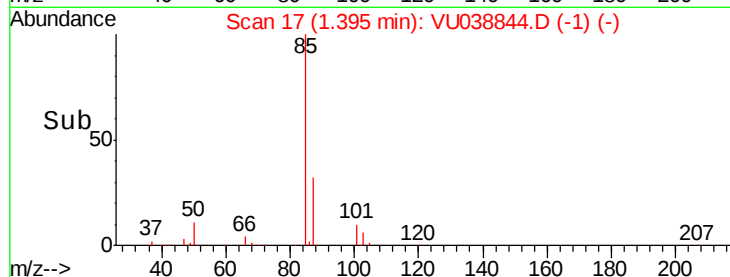
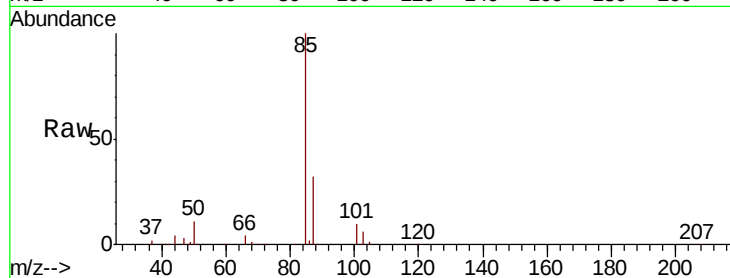
ClientSampleId :

Tot Ion: 85 Resp: 139914

Ion Ratio Lower Upper

85 100

87 32.3 25.9 38.9



#3

Chloromethane

Concen: 4.763 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038844.D

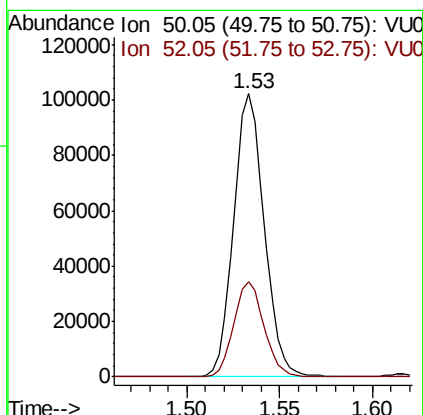
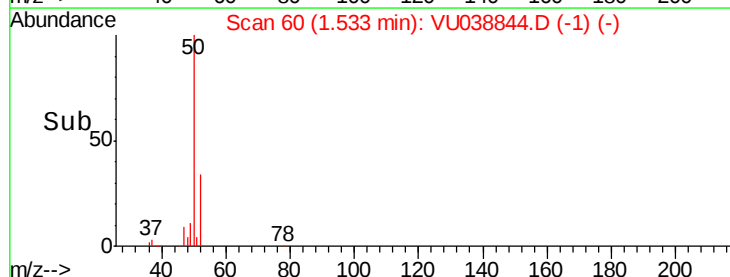
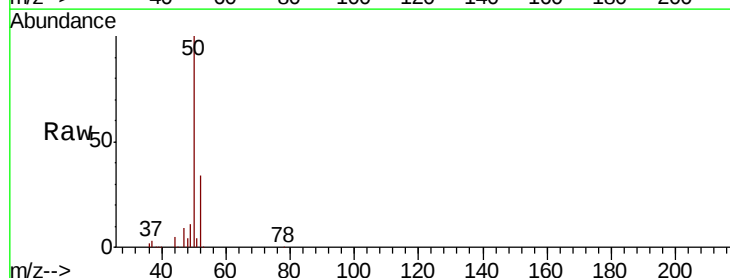
Acq: 12 Jun 2020 11:46

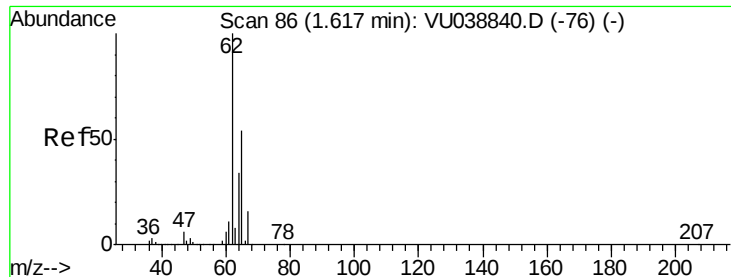
Tgt Ion: 50 Resp: 116977

Ion Ratio Lower Upper

50 100

52 33.6 22.7 42.3





#5

Vinyl chloride

Concen: 4.791 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

Instrument :

MSVOA_U

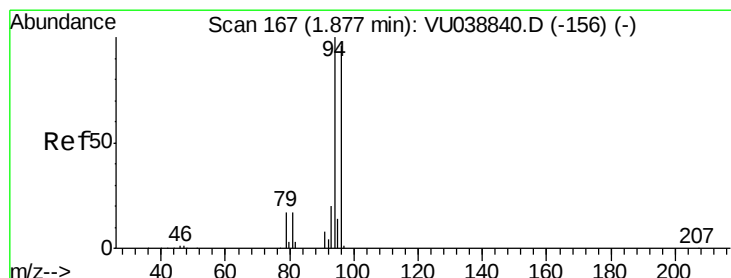
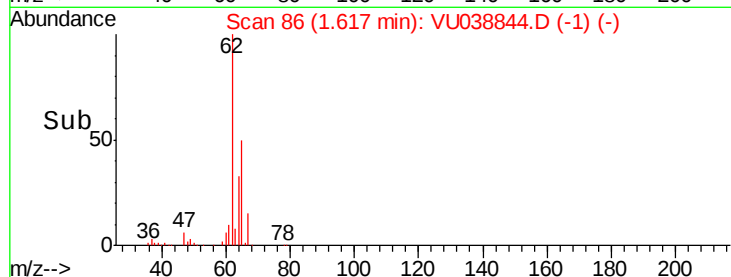
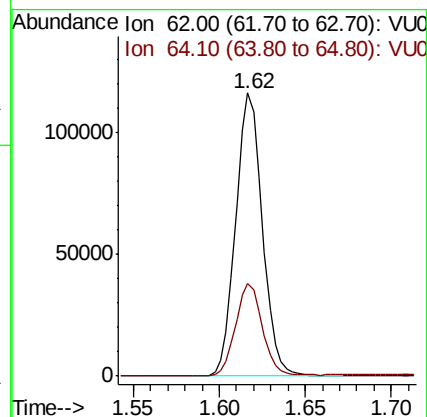
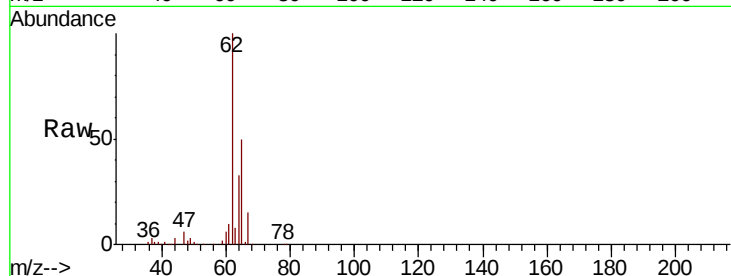
ClientSampleId :

Tot Ion: 62 Resp: 124995

Ion Ratio Lower Upper

62 100

64 32.8 23.4 43.6



#6

Bromomethane

Concen: 4.913 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038844.D

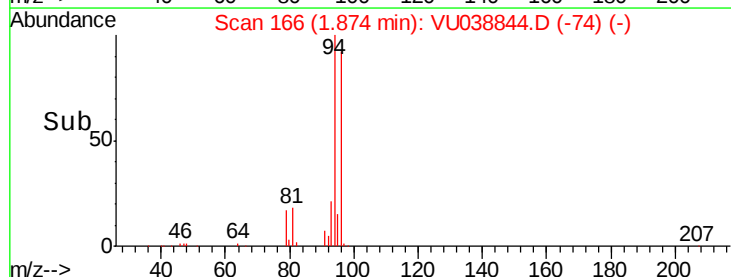
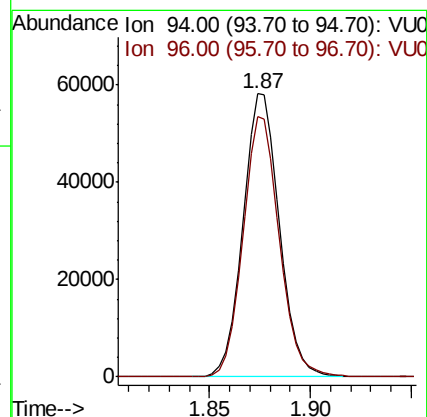
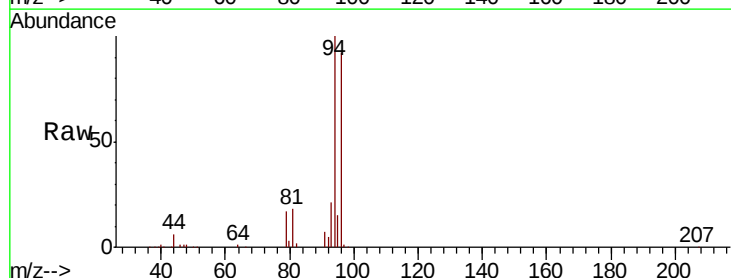
Acq: 12 Jun 2020 11:46

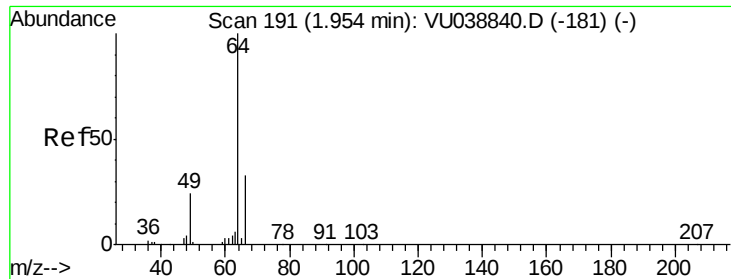
Tgt Ion: 94 Resp: 73547

Ion Ratio Lower Upper

94 100

96 92.2 66.8 124.2

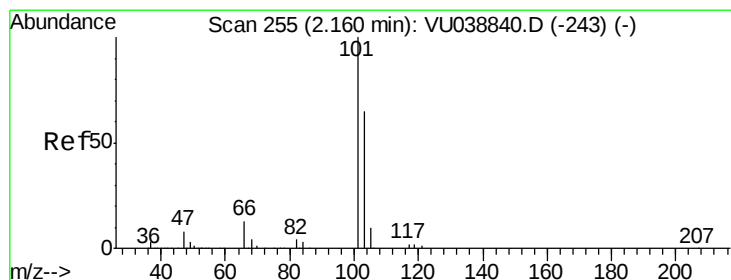
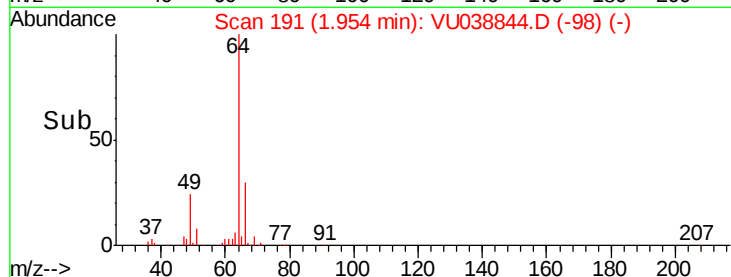
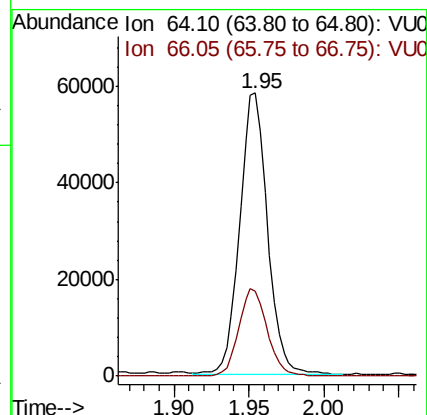
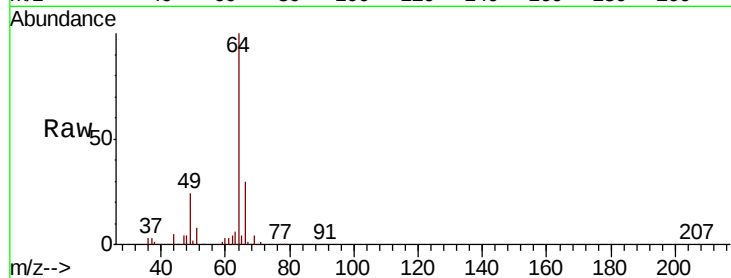




#8
Chloroethane
Concen: 4.665 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038844.D
Acq: 12 Jun 2020 11:46

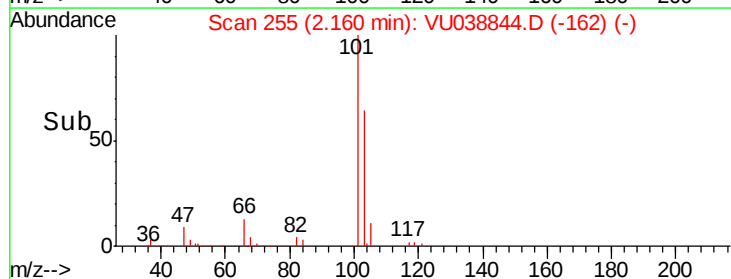
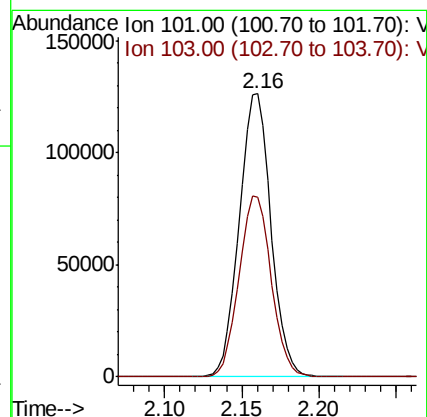
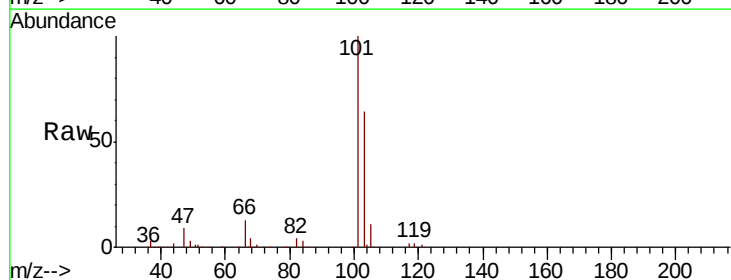
Instrument :
MSVOA_U
ClientSampleId :

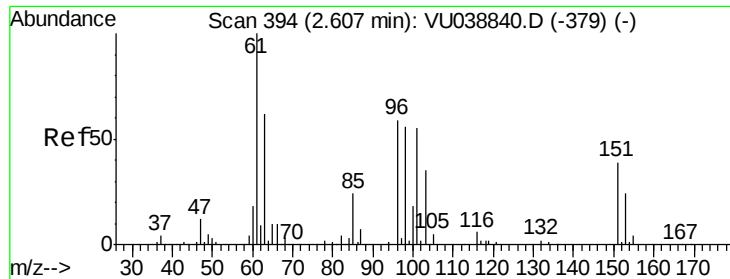
Tot Ion: 64 Resp: 75169
Ion Ratio Lower Upper
64 100
66 30.1 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.638 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038844.D
Acq: 12 Jun 2020 11:46

Tgt Ion:101 Resp: 179588
Ion Ratio Lower Upper
101 100
103 64.9 51.5 77.3





#10

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

Concen: 4.703 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

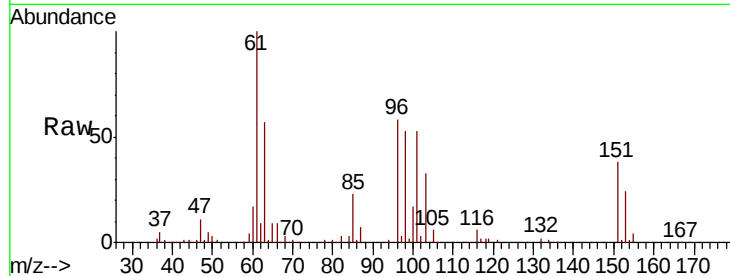
Tot Ion:101 Resp: 104148

Ion Ratio Lower Upper

101 100

85 43.0 34.5 51.7

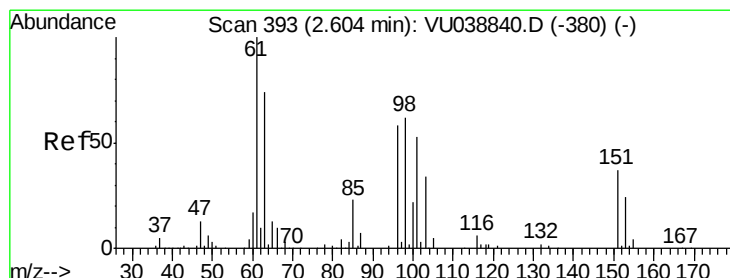
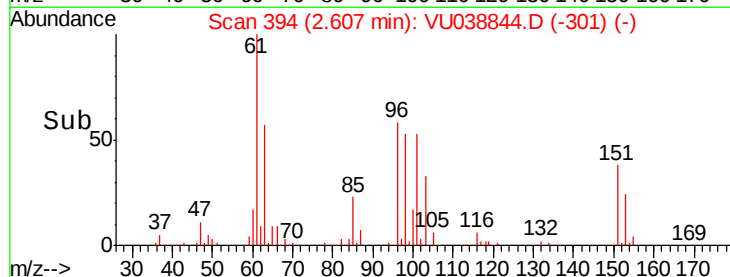
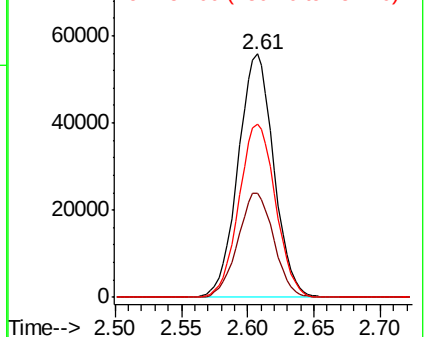
151 73.1 56.5 84.7



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: 4.647 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

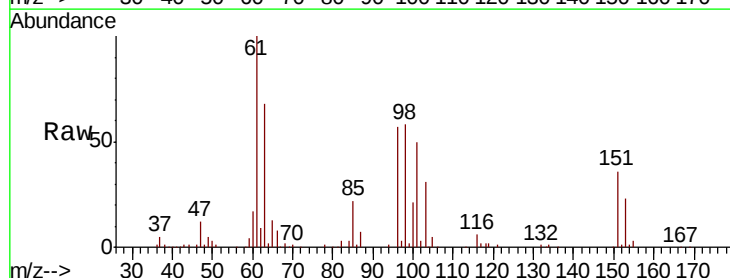
Tgt Ion: 96 Resp: 99463

Ion Ratio Lower Upper

96 100

61 175.8 120.2 223.2

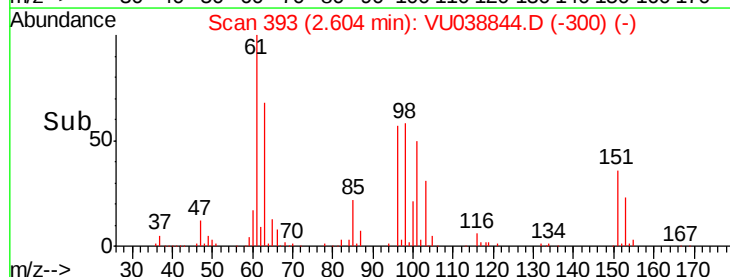
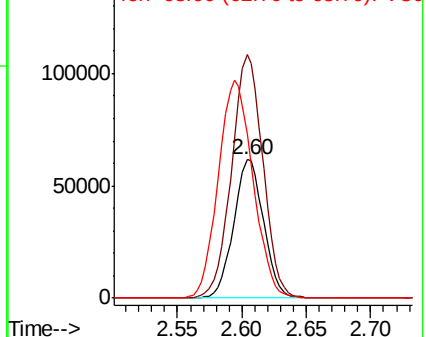
63 118.9 90.1 167.3

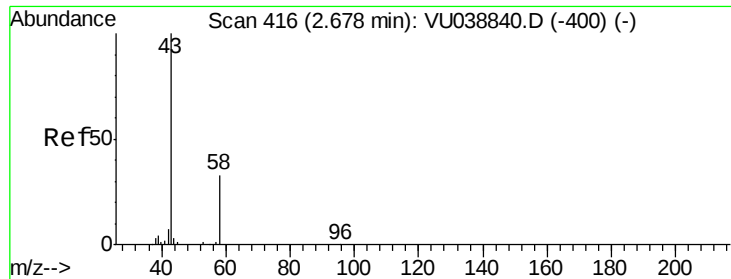


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.742 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

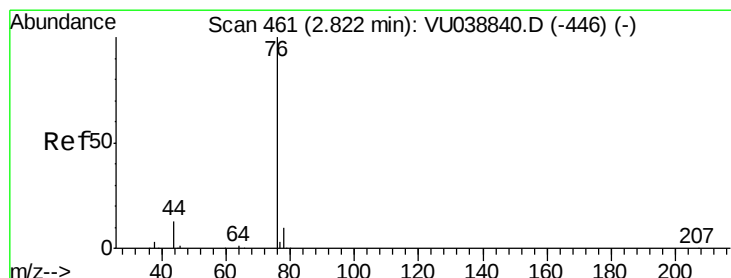
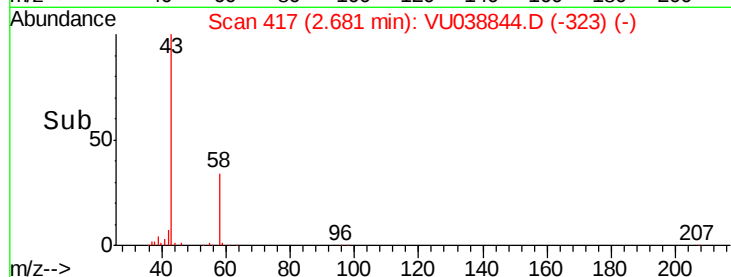
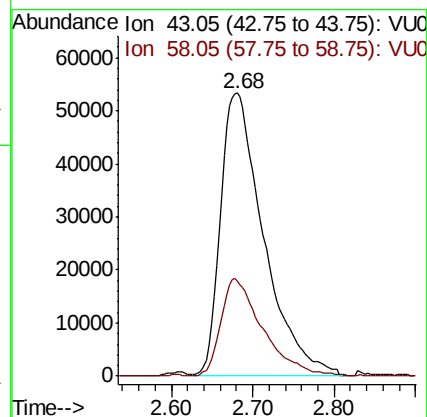
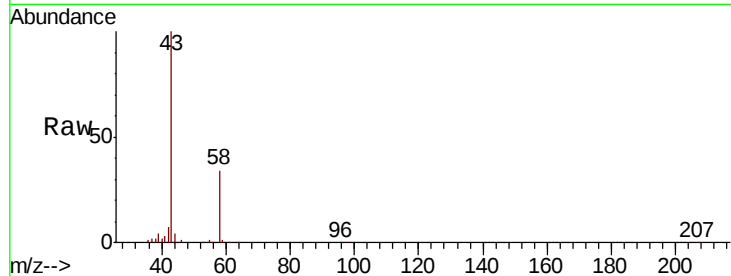
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 198230

Ion Ratio Lower Upper

43 100

58 33.5 0.0 66.0



#14

Carbon disulfide

Concen: 4.707 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038844.D

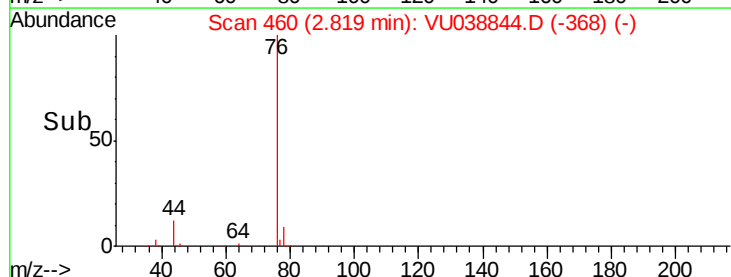
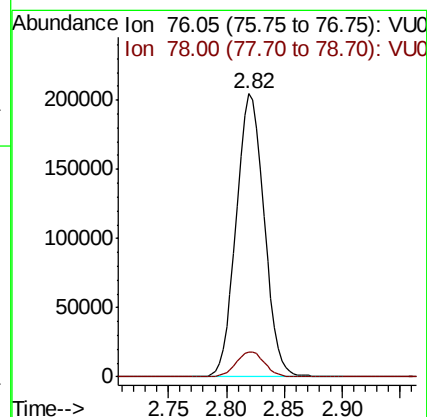
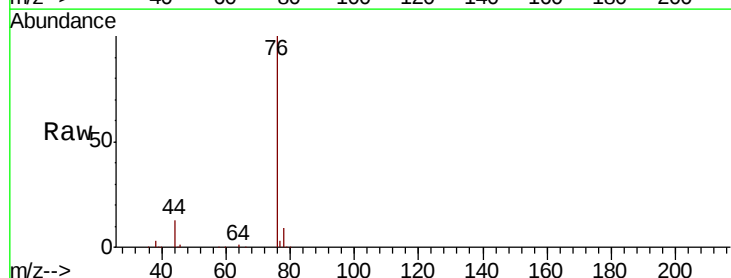
Acq: 12 Jun 2020 11:46

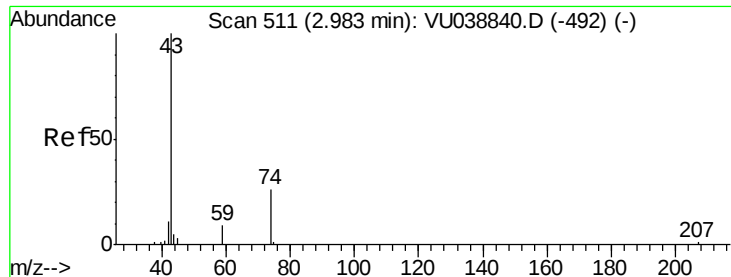
Tgt Ion: 76 Resp: 342922

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4





#15

Methvl Acetate

Concen: 4.729 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

Instrument :

MSVOA_U

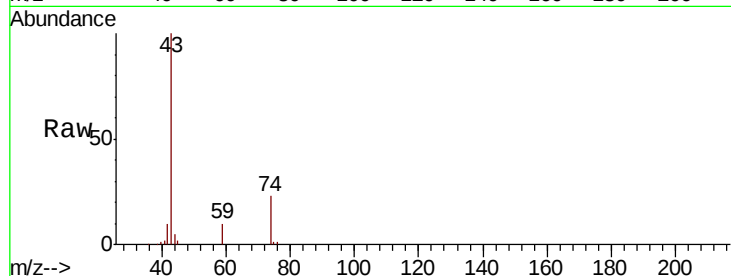
ClientSampleId :

Tot Ion: 43 Resp: 48996

Ion Ratio Lower Upper

43 100

74 25.0 21.0 31.4



Abundance Ion 43.05 (42.75 to 43.75): VU038844.D (-492) (-)

Ion 74.05 (73.75 to 74.75): VU038844.D (-492) (-)

2.98

25000

20000

15000

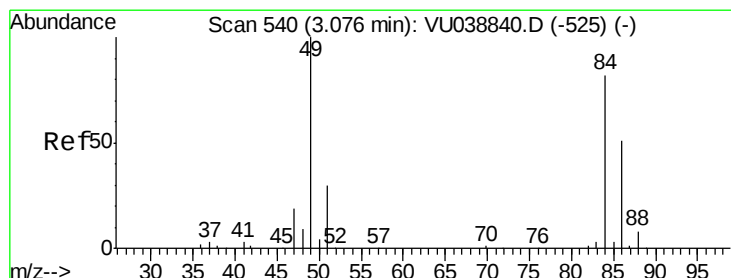
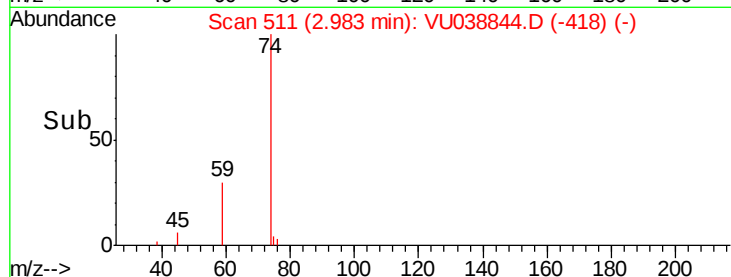
10000

5000

0

Time-->

2.90 2.95 3.00 3.05 3.10



#16

Methylene chloride

Concen: 4.610 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

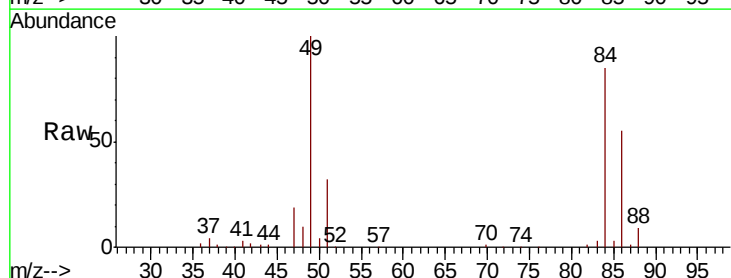
Tgt Ion: 84 Resp: 113442

Ion Ratio Lower Upper

84 100

86 65.0 43.0 80.0

49 117.9 85.0 157.8



Abundance Ion 84.05 (83.75 to 84.75): VU038844.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038844.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038844.D (-525) (-)

3.08

80000

60000

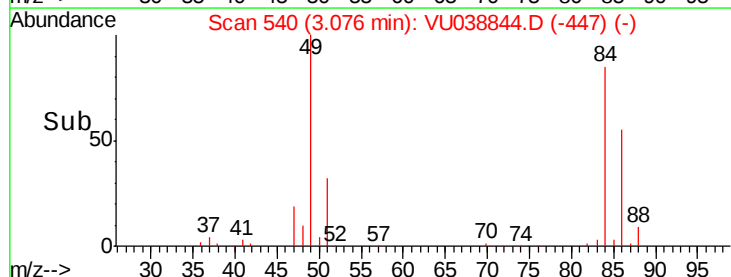
40000

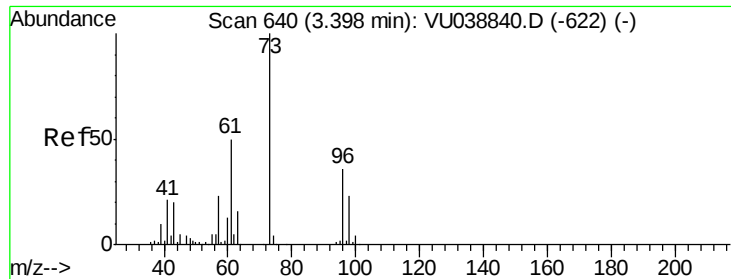
20000

0

Time-->

3.00 3.05 3.10 3.15

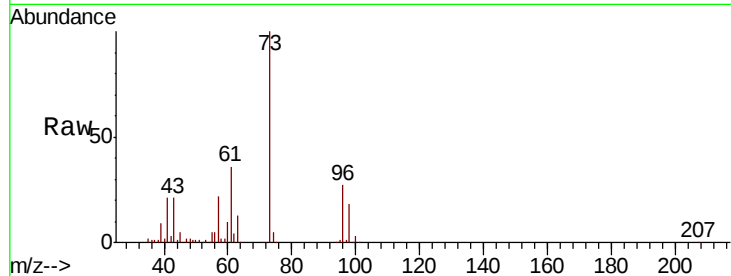




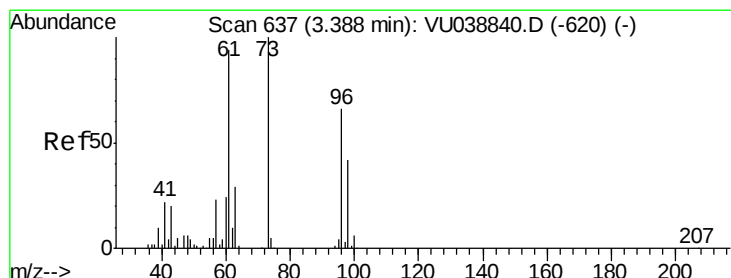
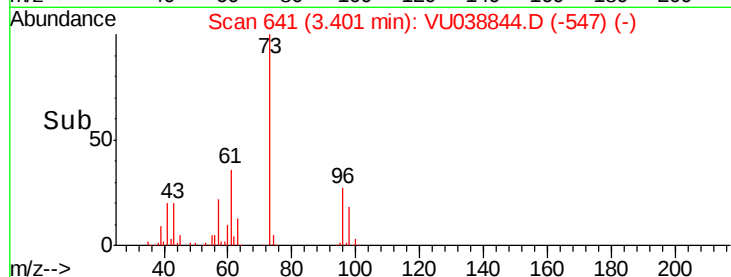
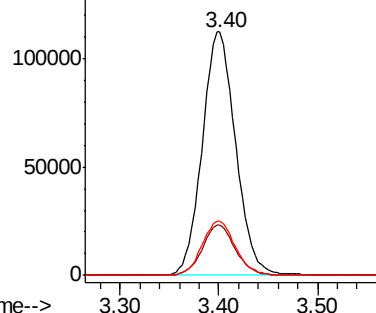
#17
Methvl tert-butvl Ether
Concen: 4.795 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038844.D
Acq: 12 Jun 2020 11:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 264386
Ion Ratio Lower Upper
73 100
43 20.5 15.9 23.9
57 22.2 17.5 26.3

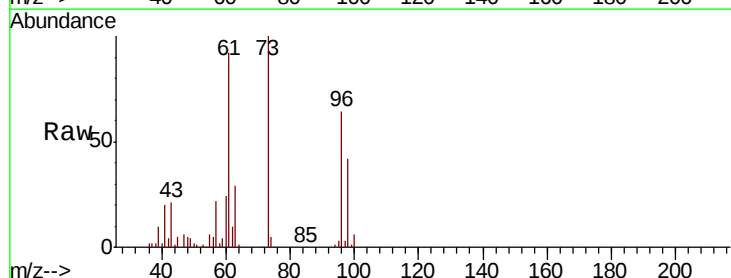


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

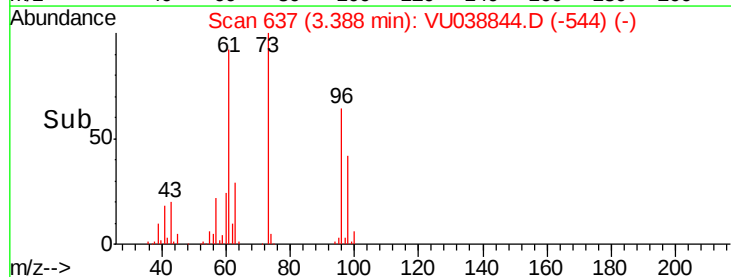
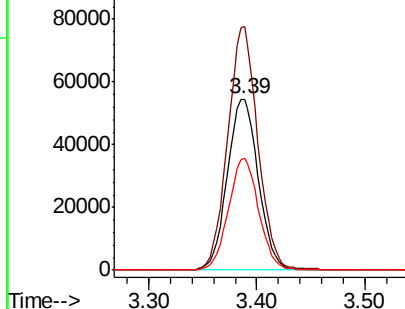


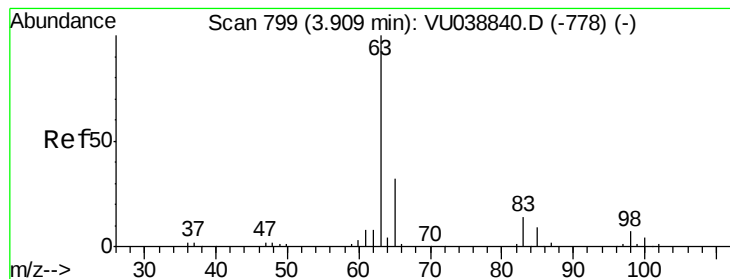
#18
trans-1,2-Dichloroethene
Concen: 4.761 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038844.D
Acq: 12 Jun 2020 11:46

Tgt Ion: 96 Resp: 109415
Ion Ratio Lower Upper
96 100
61 142.3 99.3 184.5
98 65.6 43.9 81.5



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: 4.713 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

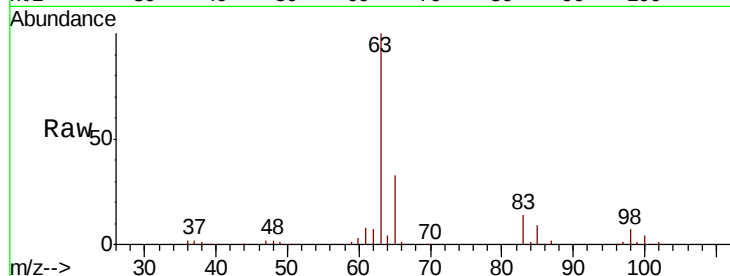
Tot Ion: 63 Resp: 194924

Ion Ratio Lower Upper

63 100

65 32.7 22.3 41.5

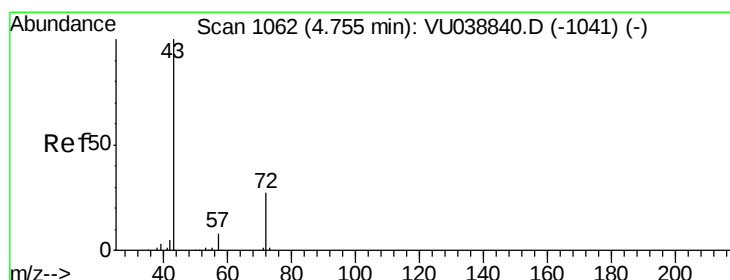
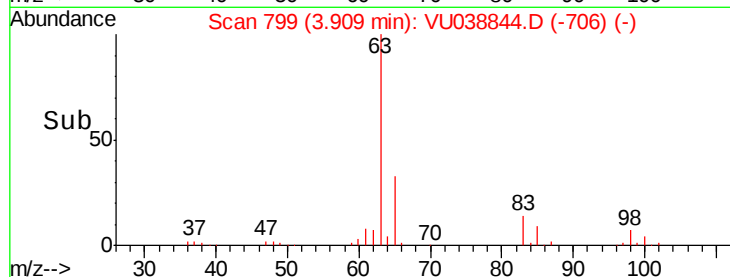
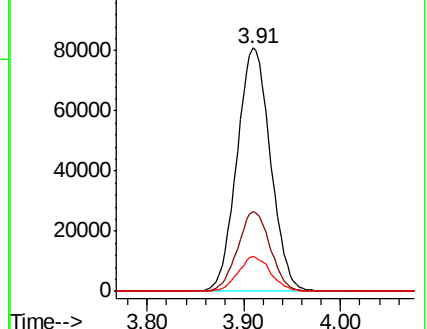
83 14.4 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU038844.D (-778) (-)

Ion 65.10 (64.80 to 65.80): VU038844.D (-778) (-)

Ion 83.05 (82.75 to 83.75): VU038844.D (-778) (-)



#21

2-Butanone

Concen: 47.895 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU038844.D

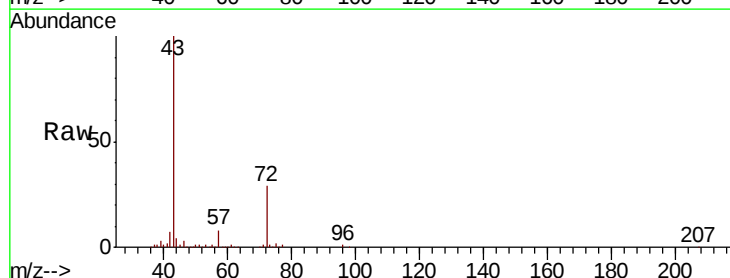
Acq: 12 Jun 2020 11:46

Tgt Ion: 43 Resp: 333657

Ion Ratio Lower Upper

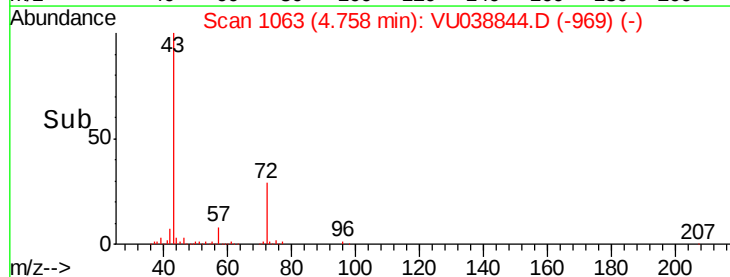
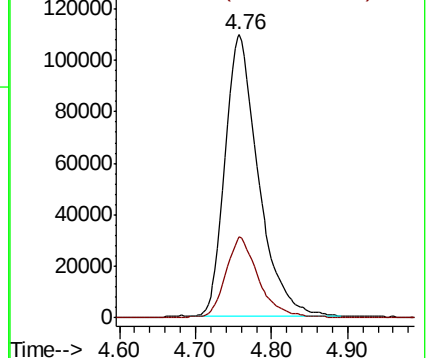
43 100

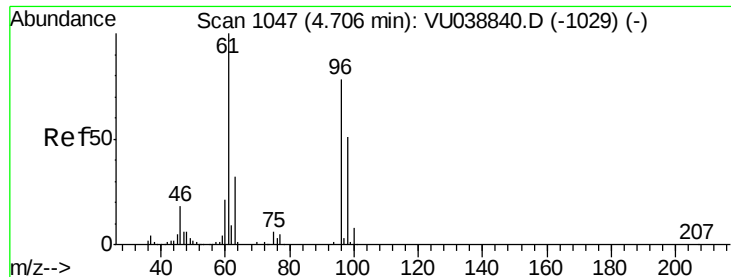
72 28.5 14.2 42.8



Abundance Ion 43.05 (42.75 to 43.75): VU038844.D (-969) (-)

Ion 72.10 (71.80 to 72.80): VU038844.D (-969) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.764 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

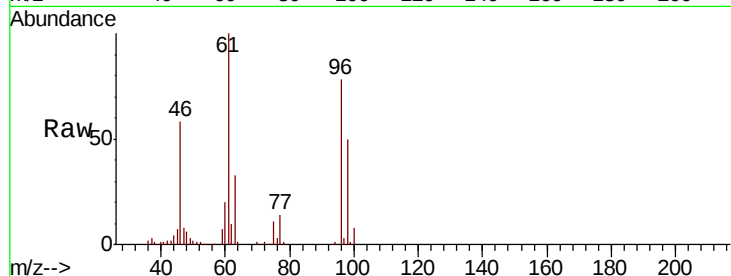
Tot Ion: 96 Resp: 114030

Ion Ratio Lower Upper

96 100

61 128.3 89.7 166.7

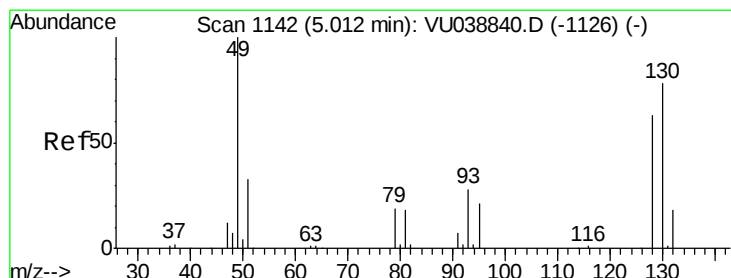
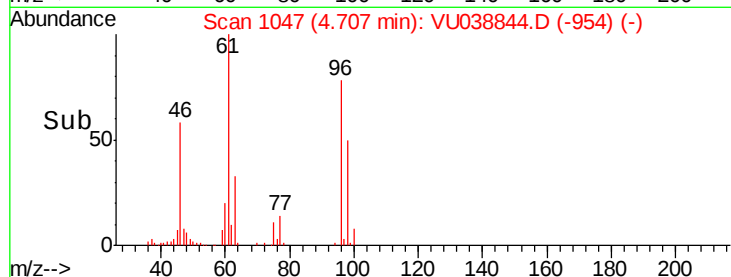
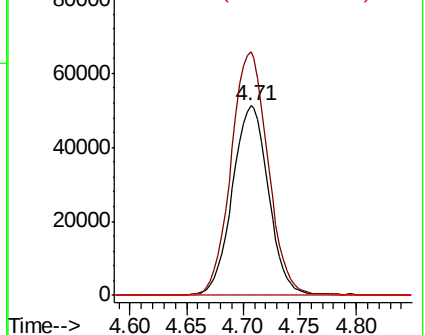
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038844.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038844.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038844.D (-954) (-)



#23

Bromochloromethane

Concen: 4.555 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

Tgt Ion: 128 Resp: 51106

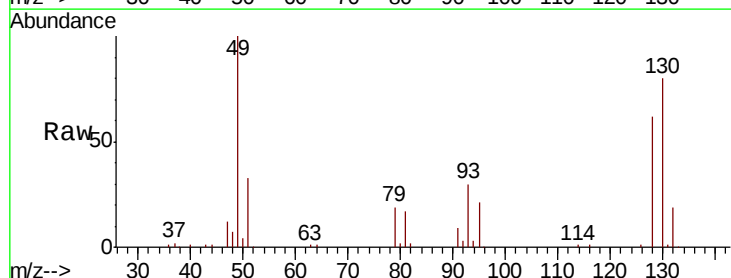
Ion Ratio Lower Upper

128 100

49 160.1 110.8 205.8

130 128.0 86.6 160.8

51 52.4 42.3 63.5

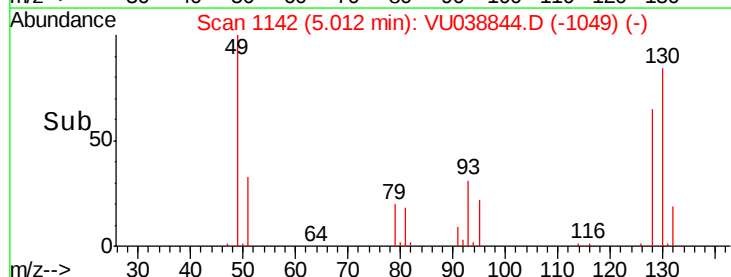
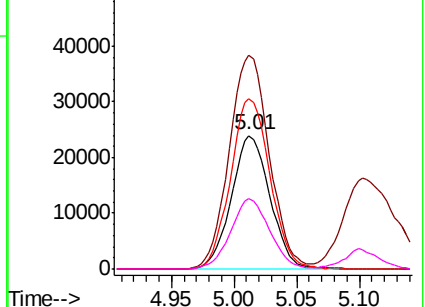


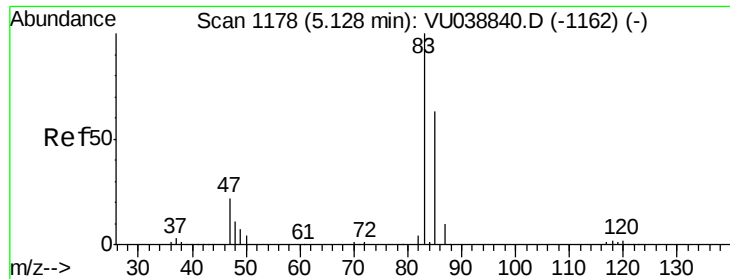
Abundance Ion 127.90 (127.60 to 128.60): VU038844.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU038844.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU038844.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU038844.D (-1049) (-)

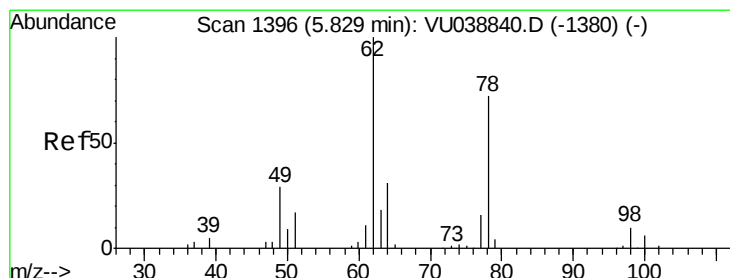
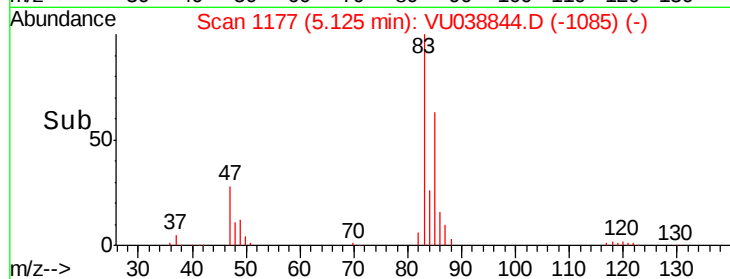
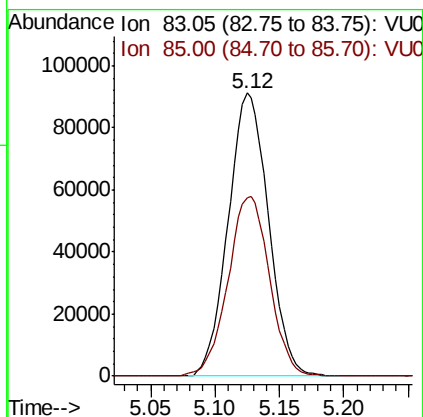
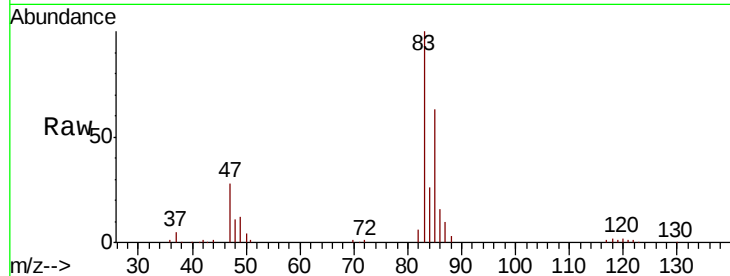




#25
Chloroform
Concen: 4.642 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038844.D
Acq: 12 Jun 2020 11:46

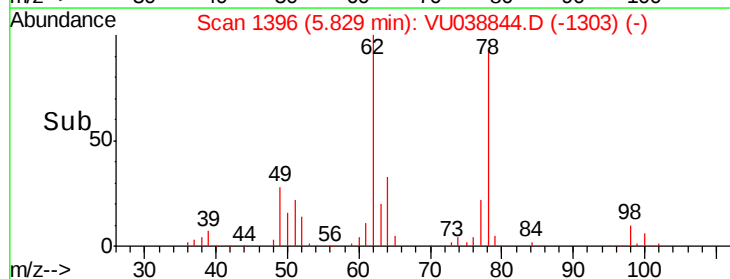
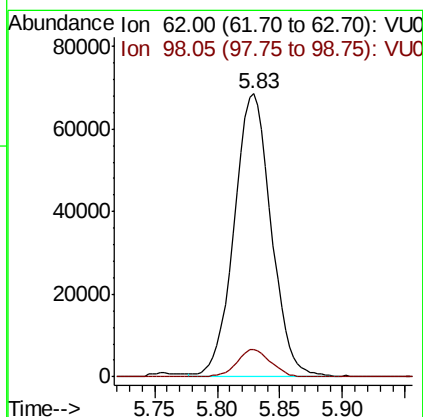
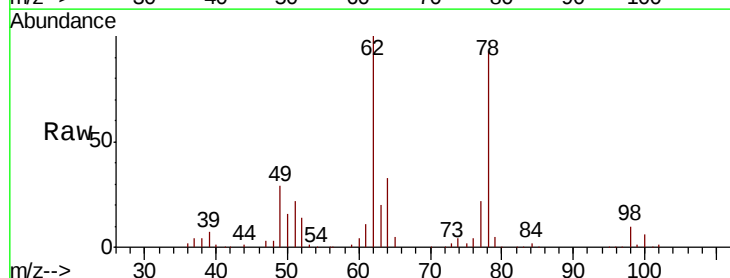
Instrument :
MSVOA_U
ClientSampled :

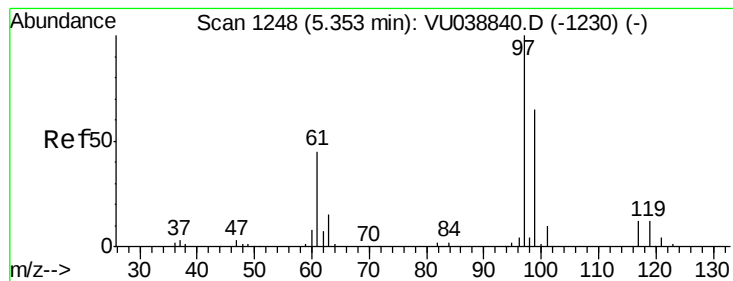
Tot Ion: 83 Resp: 197960
Ion Ratio Lower Upper
83 100
85 62.9 44.1 81.9



#27
1,2-Dichloroethane
Concen: 4.695 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038844.D
Acq: 12 Jun 2020 11:46

Tgt Ion: 62 Resp: 139601
Ion Ratio Lower Upper
62 100
98 9.6 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 4.752 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

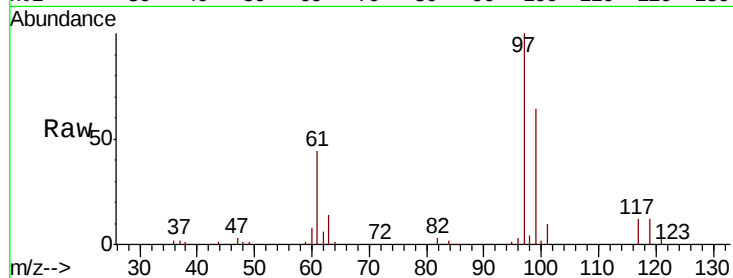
Tot Ion: 97 Resp: 176803

Ion Ratio Lower Upper

97 100

99 65.2 52.1 78.1

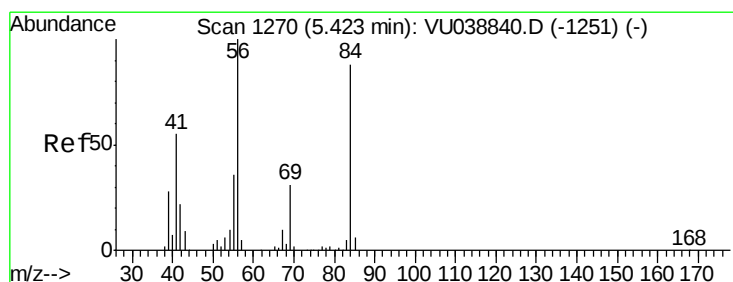
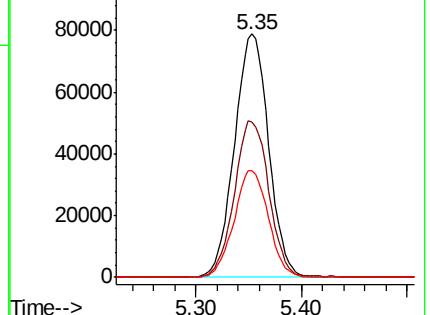
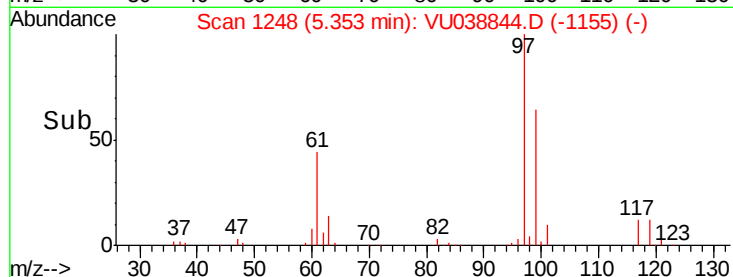
61 44.3 35.9 53.9



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 4.832 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

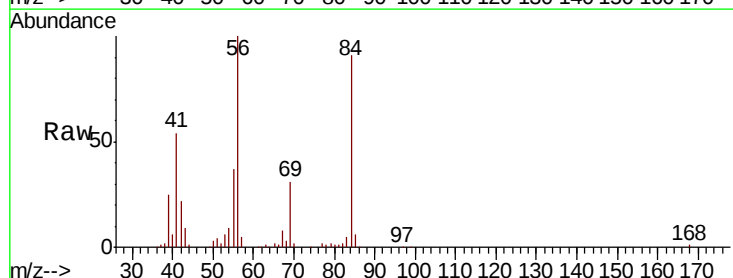
Tgt Ion: 56 Resp: 174204

Ion Ratio Lower Upper

56 100

69 30.6 25.1 37.7

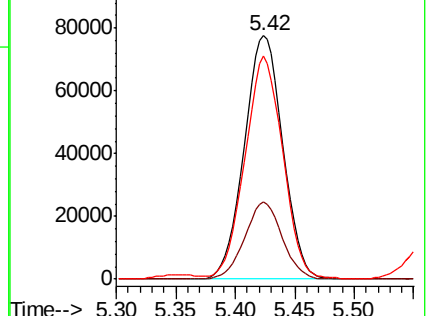
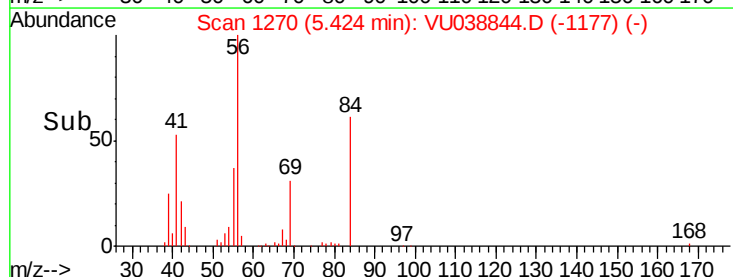
84 90.3 69.5 104.3

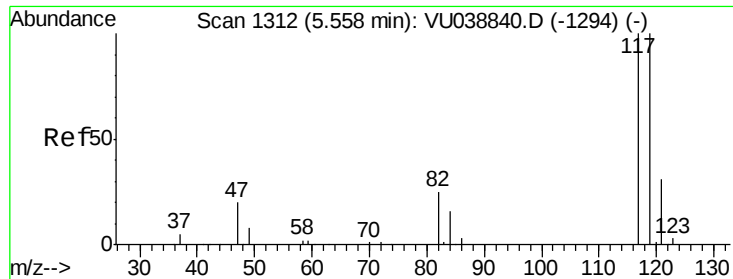


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.699 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

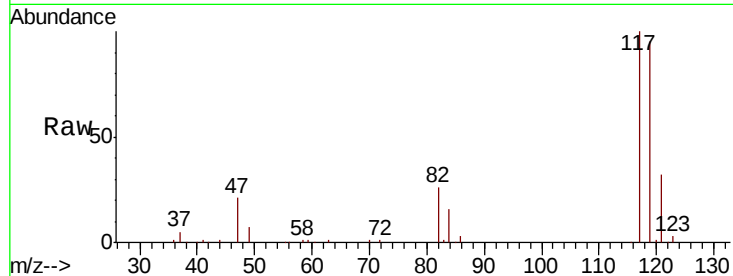
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 147580

Ion Ratio Lower Upper

117 100

119 96.1 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

80000

60000

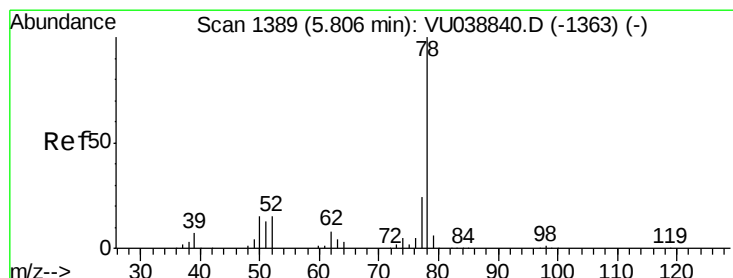
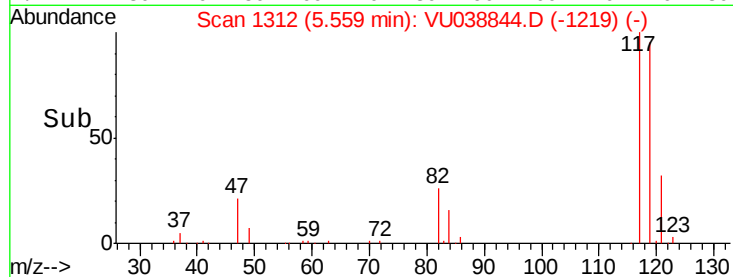
40000

20000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 4.840 ug/L

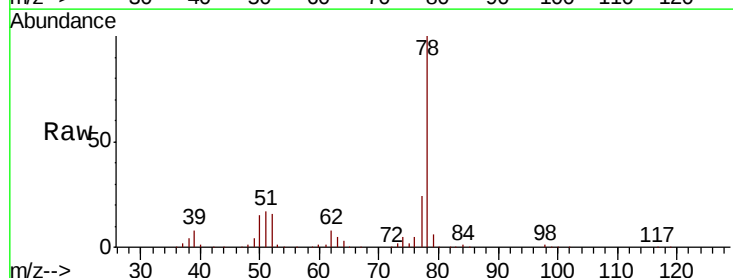
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

Tgt Ion: 78 Resp: 440841



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

250000

200000

150000

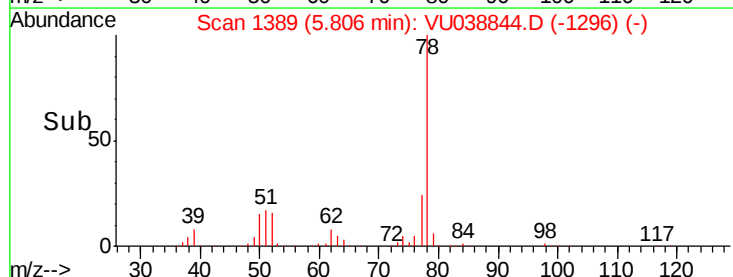
100000

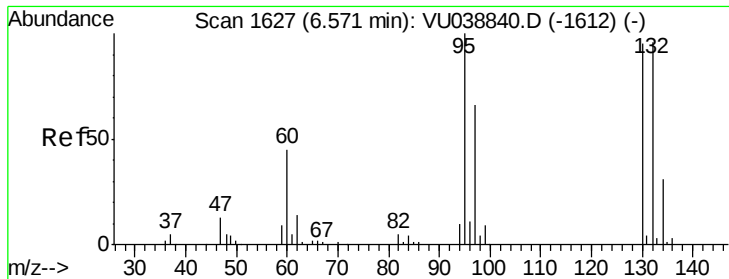
50000

0

Time-->

5.70 5.80 5.90

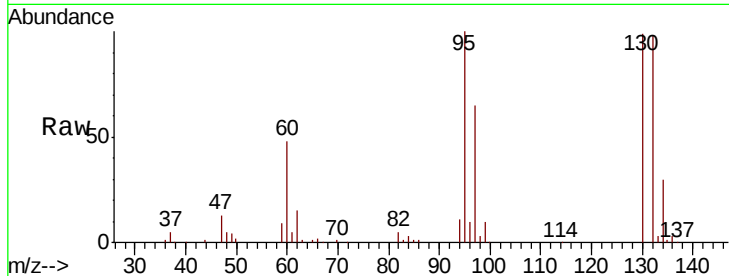




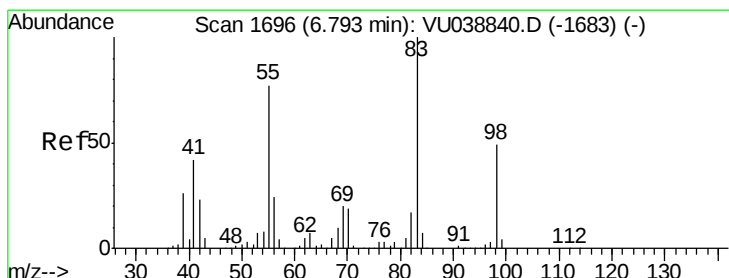
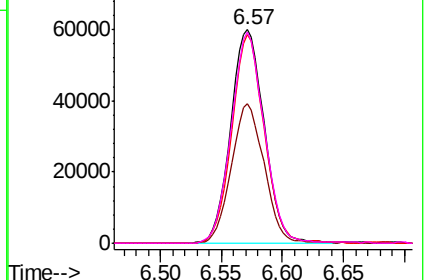
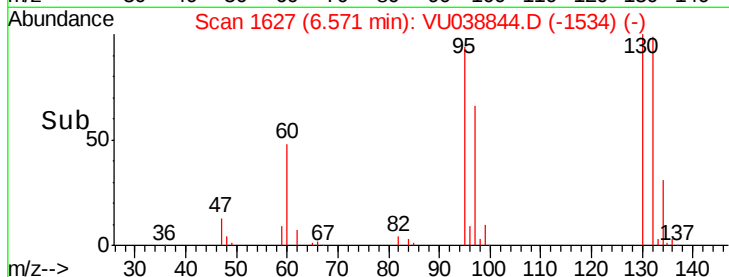
#34
 Trichloroethene
 Concen: 4.833 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038844.D
 Acq: 12 Jun 2020 11:46

Instrument :
 MSVOA_U
 ClientSampleID :

Tot Ion: 95 Resp: 114971
 Ion Ratio Lower Upper
 95 100
 97 65.4 46.1 85.5
 132 97.7 67.5 125.3
 130 98.7 66.7 123.9

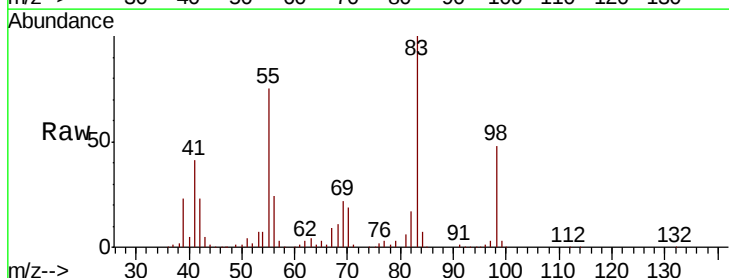


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

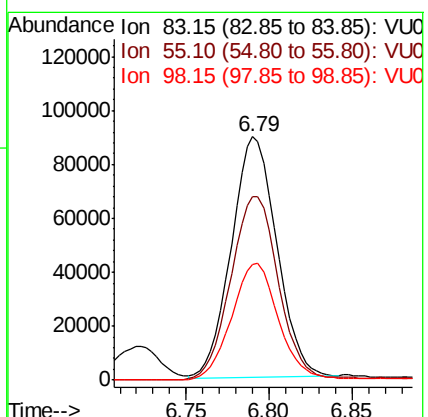
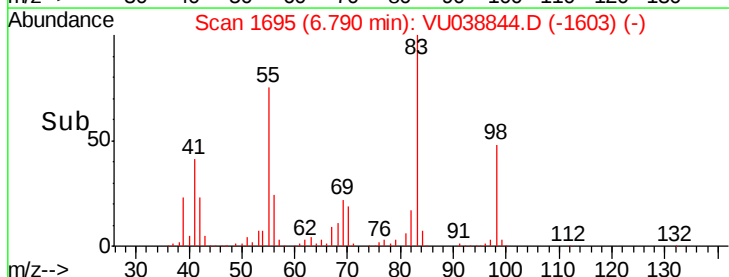


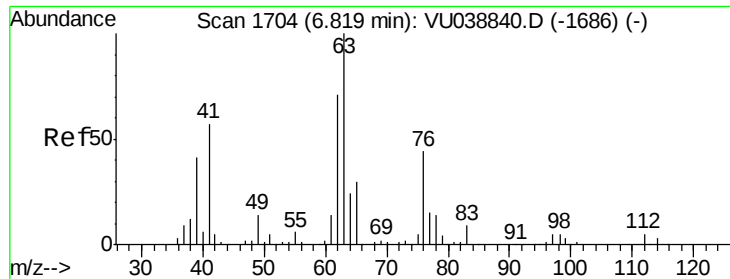
#35
 Methylcyclohexane
 Concen: 4.602 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038844.D
 Acq: 12 Jun 2020 11:46

Tgt Ion: 83 Resp: 170230
 Ion Ratio Lower Upper
 83 100
 55 80.7 64.2 96.2
 98 50.4 40.5 60.7



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

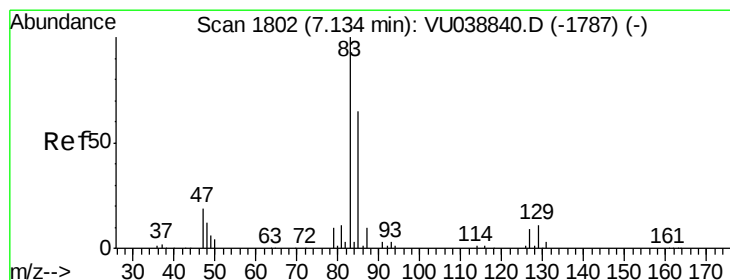
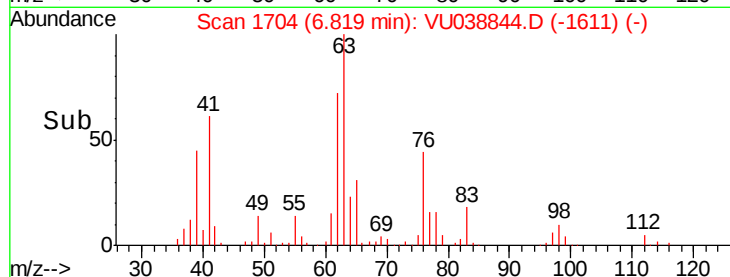
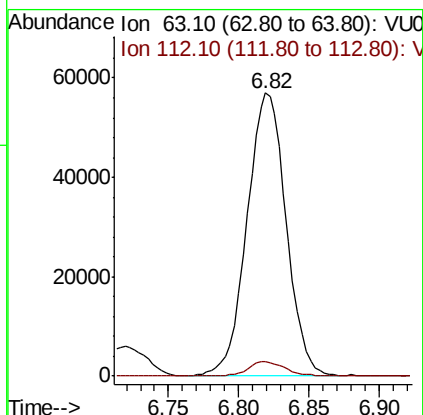
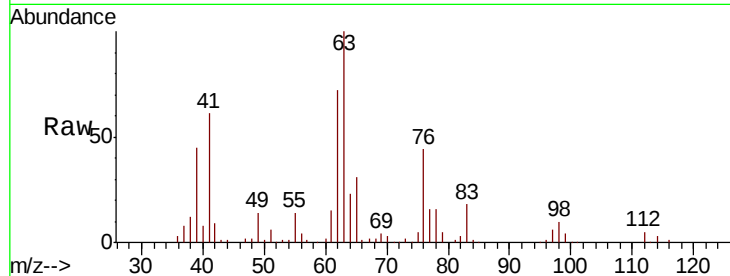




#37
 1,2-Dichloropropane
 Concen: 4.799 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VU038844.D
 Acq: 12 Jun 2020 11:46

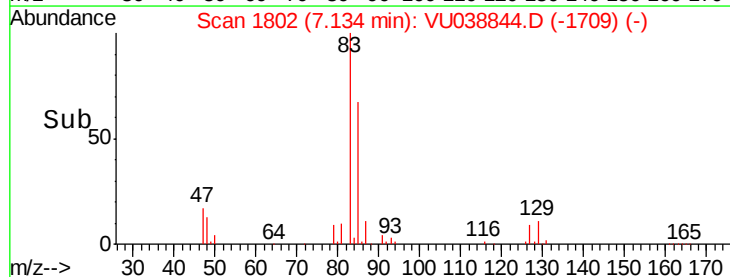
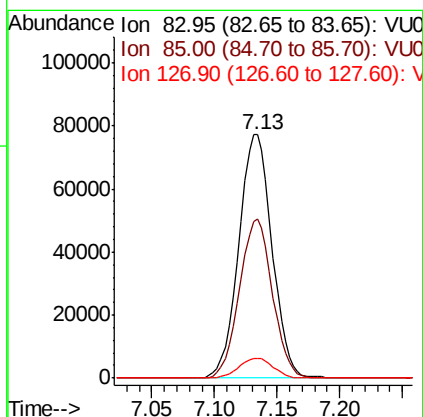
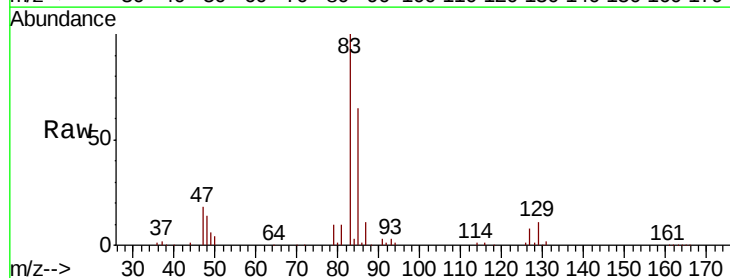
Instrument :
 MSVOA_U
 ClientSampleId :

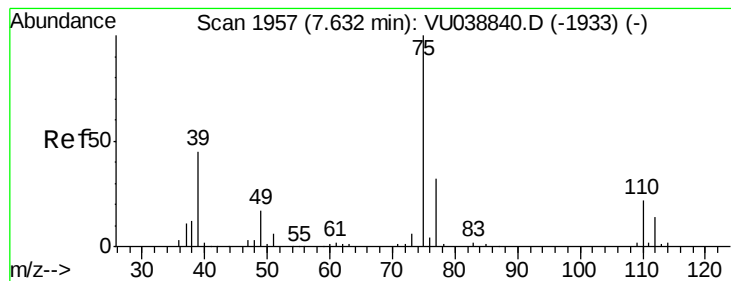
Tot Ion: 63 Resp: 110124
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.759 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038844.D
 Acq: 12 Jun 2020 11:46

Tgt Ion: 83 Resp: 141671
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.3 84.1
 127 8.3 7.1 10.7



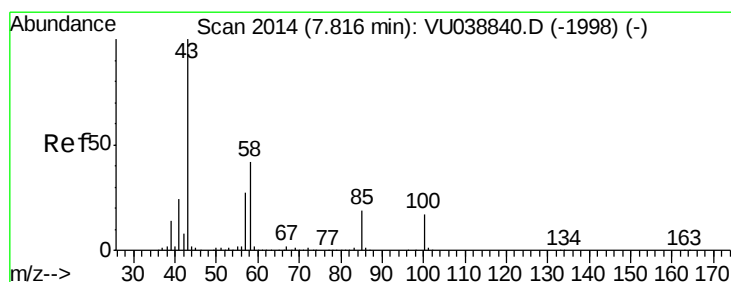
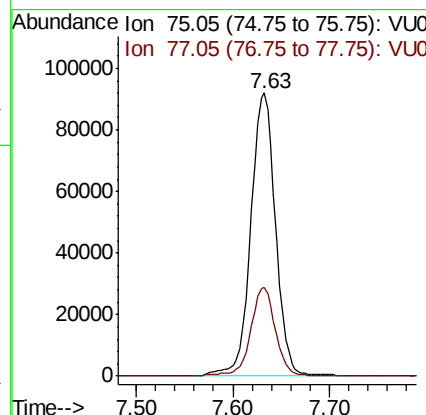
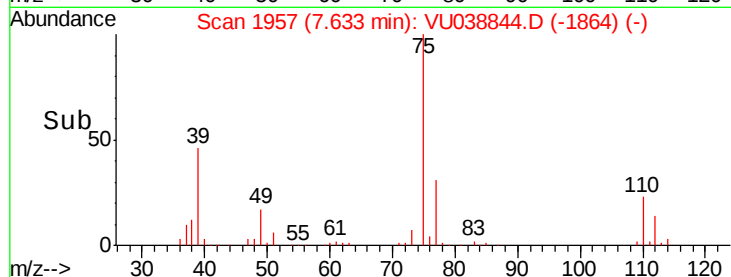
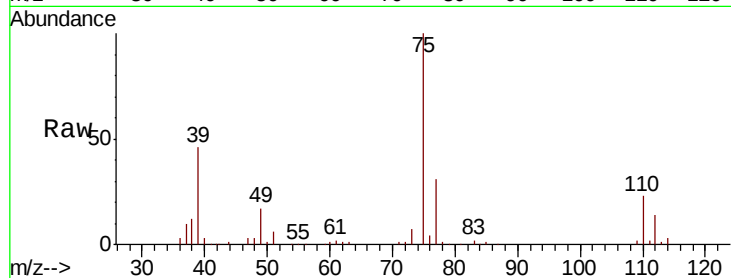


#39

cis-1,3-Dichloropropene
 Concen: 4.807 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038844.D
 Acq: 12 Jun 2020 11:46

Instrument :
 MSVOA_U
 ClientSampleId :

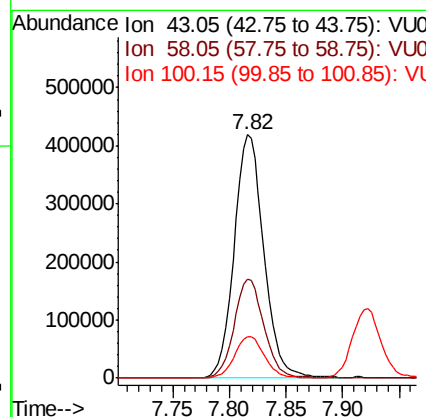
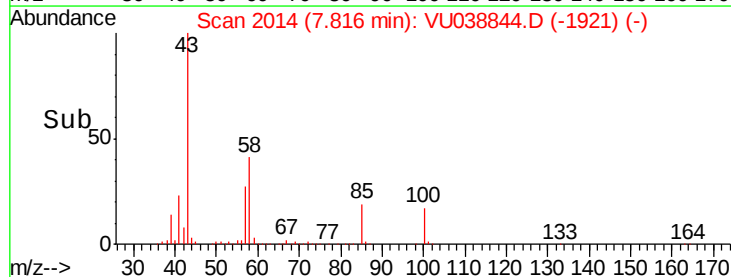
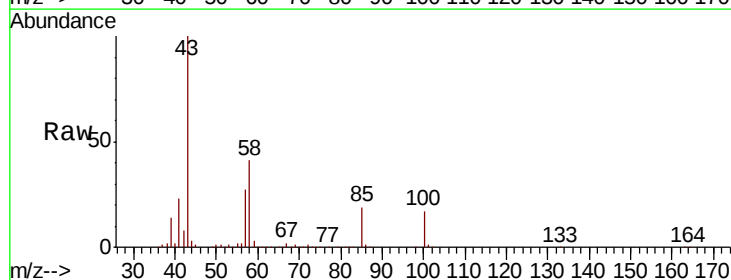
Tot Ion: 75 Resp: 163513
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.4 41.6

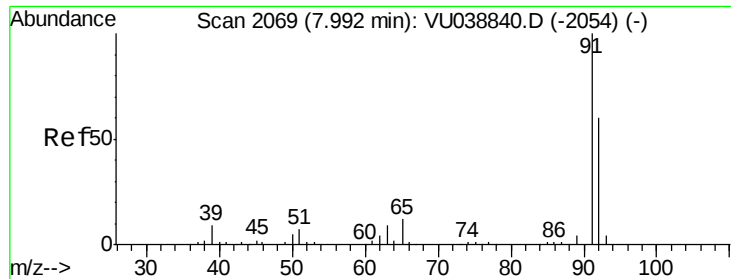


#40

4-Methyl-2-pentanone
 Concen: 49.840 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: VU038844.D
 Acq: 12 Jun 2020 11:46

Tgt Ion: 43 Resp: 765424
 Ion Ratio Lower Upper
 43 100
 58 40.8 33.4 50.0
 100 17.2 13.5 20.3





#42

Toluene

Concen: 4.859 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

Instrument :

MSVOA_U

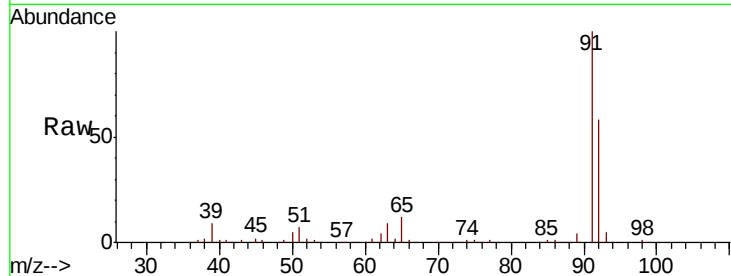
ClientSampled :

Tot Ion: 91 Resp: 467242

Ion Ratio Lower Upper

91 100

92 57.9 42.4 78.6



Abundance Ion 91.15 (90.85 to 91.85): VU038844.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038844.D (-2054) (-)

7.99

250000

200000

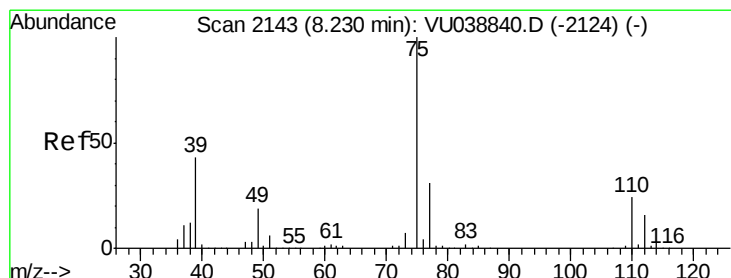
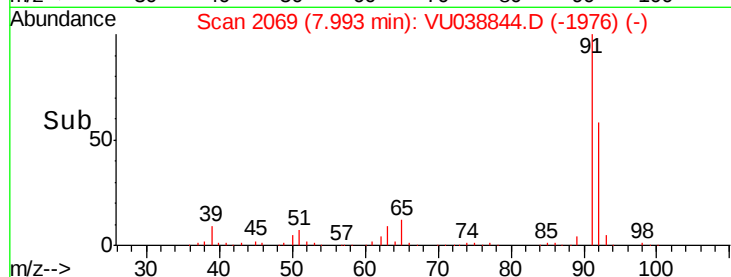
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.879 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU038844.D

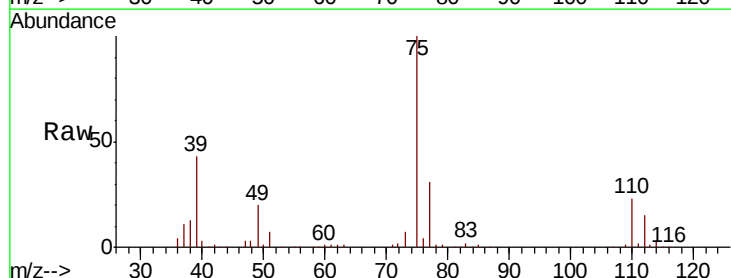
Acq: 12 Jun 2020 11:46

Tgt Ion: 75 Resp: 147817

Ion Ratio Lower Upper

75 100

77 31.4 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU038844.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038844.D (-2124) (-)

8.23

100000

80000

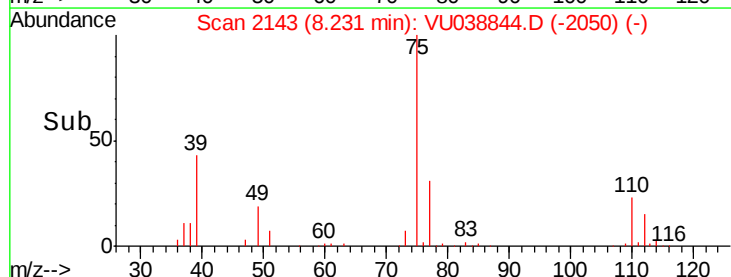
60000

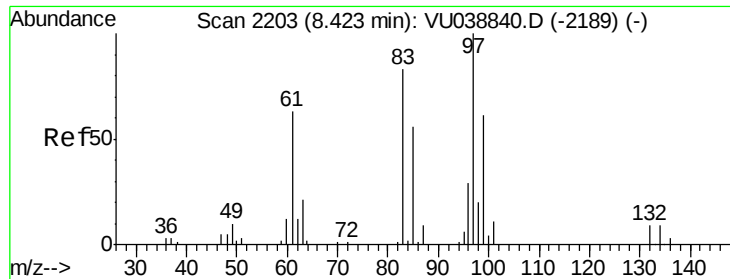
40000

20000

0

Time-->

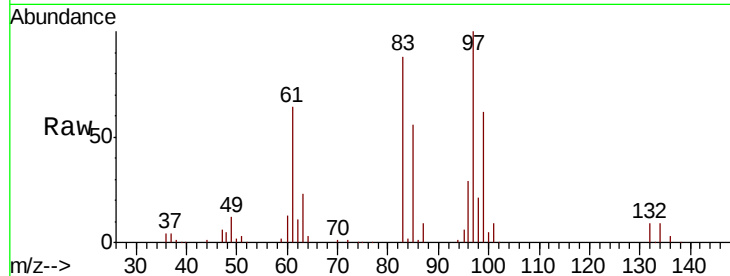




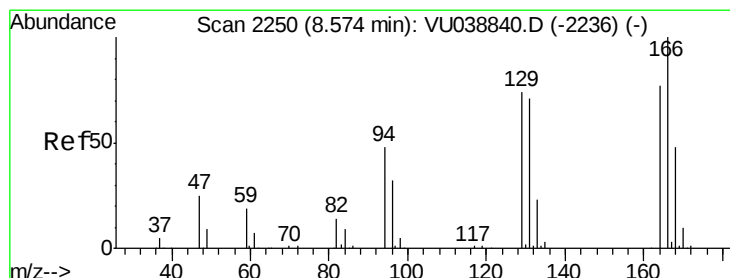
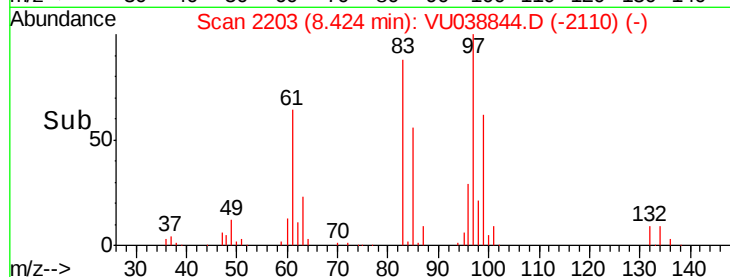
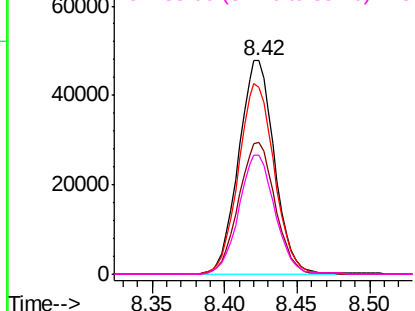
#45
1,1,2-Trichloroethane
Concen: 4.681 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU038844.D
Acq: 12 Jun 2020 11:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	81923
Ion	Ratio	Lower	Upper
97	100		
99	61.7	42.9	79.7
83	87.5	58.0	107.8
85	55.9	39.3	72.9

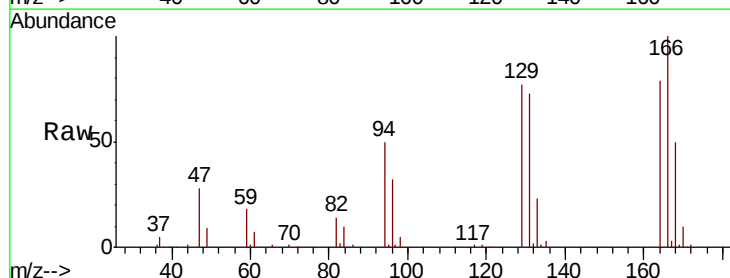


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

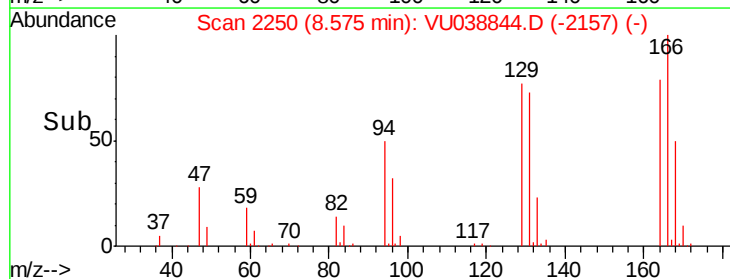
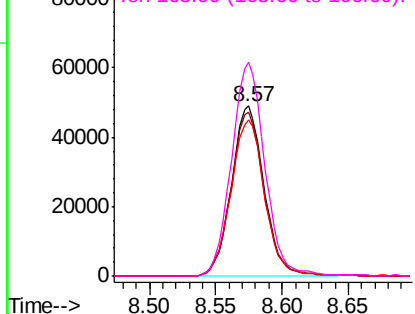


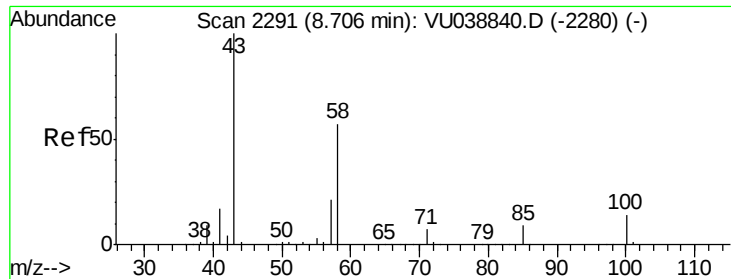
#47
Tetrachloroethene
Concen: 4.568 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU038844.D
Acq: 12 Jun 2020 11:46

Tgt Ion:	164	Resp:	83649
Ion	Ratio	Lower	Upper
164	100		
129	96.4	67.3	124.9
131	91.7	65.0	120.6
166	125.9	91.0	169.0



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

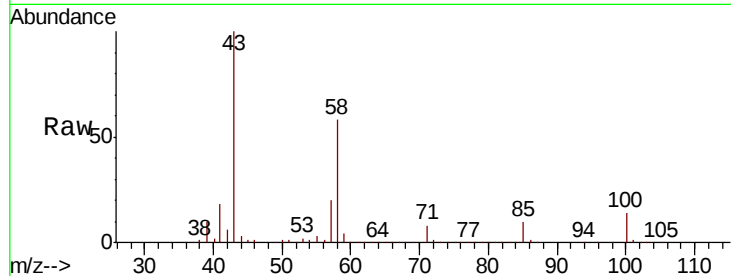




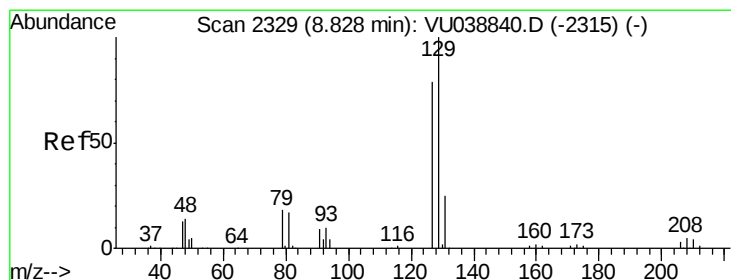
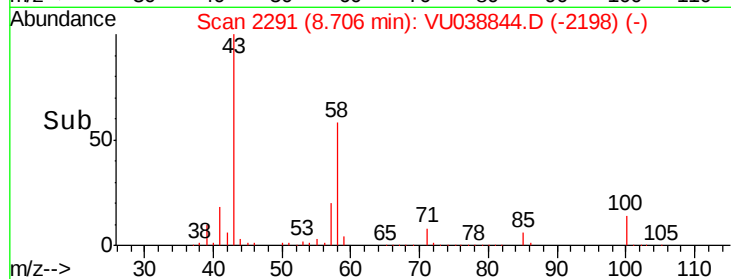
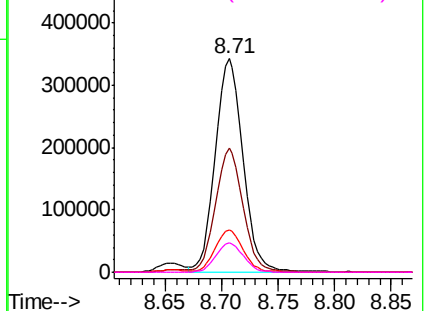
#48
2-Hexanone
Concen: 49.408 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU038844.D
Acq: 12 Jun 2020 11:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 582894
Ion Ratio Lower Upper
43 100
58 57.1 44.8 67.2
57 19.9 16.2 24.2
100 13.9 10.6 16.0

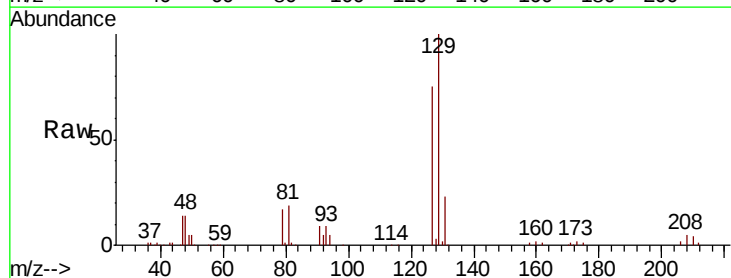


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

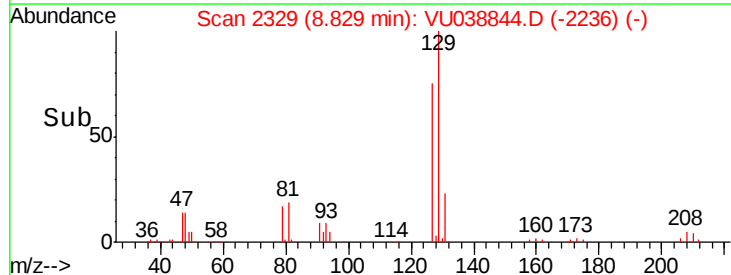
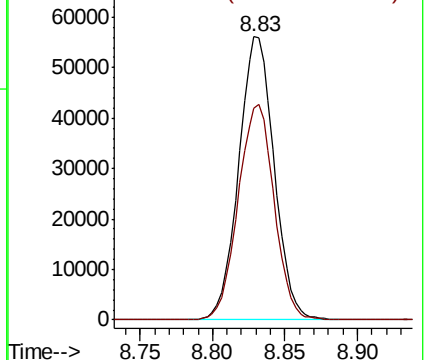


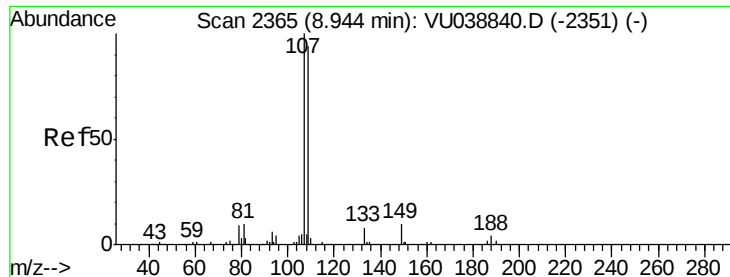
#49
Dibromochloromethane
Concen: 4.887 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. 0.00 min
Lab File: VU038844.D
Acq: 12 Jun 2020 11:46

Tgt Ion: 129 Resp: 95487
Ion Ratio Lower Upper
129 100
127 75.0 55.5 103.1



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

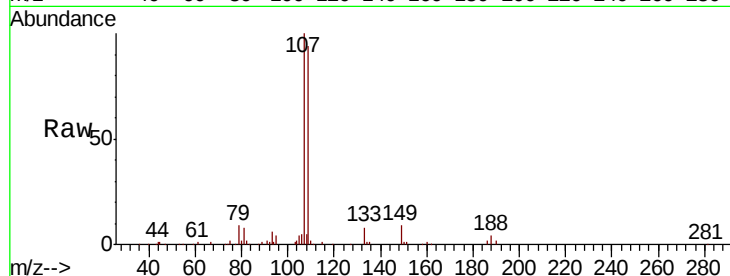




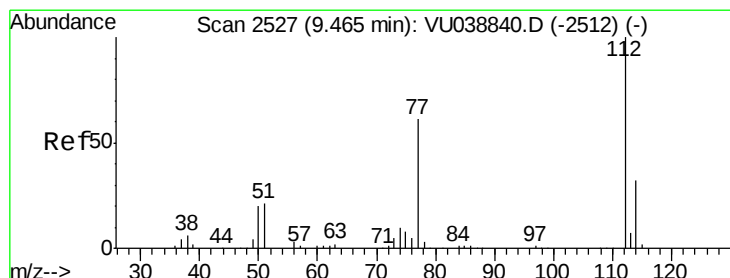
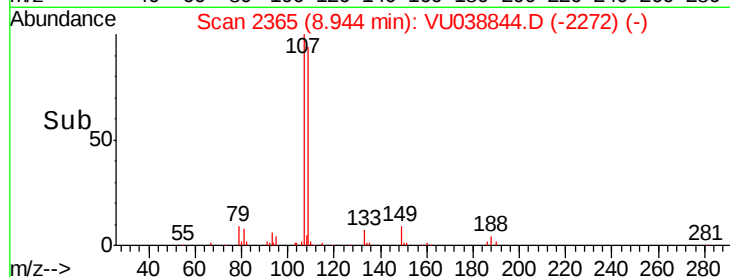
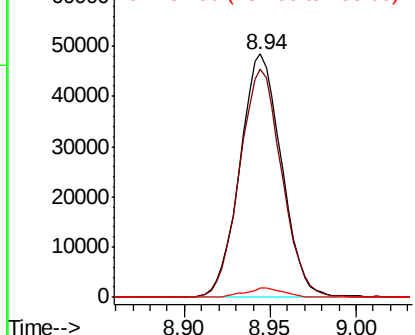
#50
1,2-Dibromoethane
Concen: 4.761 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU038844.D
Acq: 12 Jun 2020 11:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	65.5	121.7
188	3.7	3.0	4.6

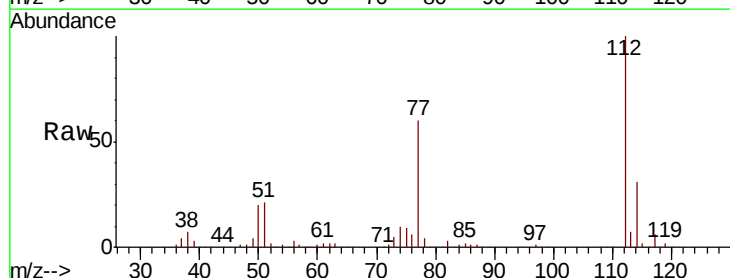


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

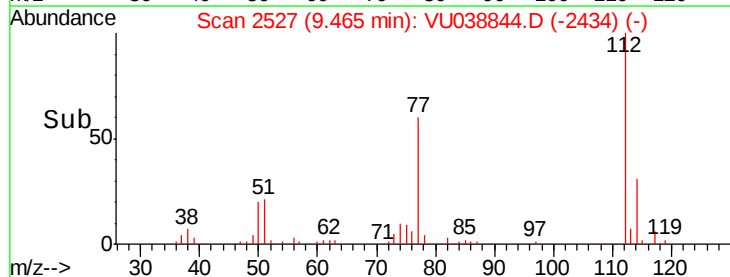
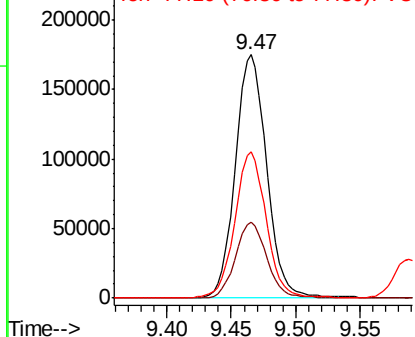


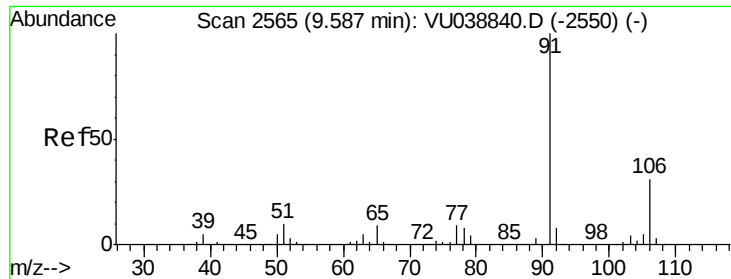
#51
Chlorobenzene
Concen: 4.792 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU038844.D
Acq: 12 Jun 2020 11:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.5	41.9
77	60.1	49.3	73.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.820 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

Instrument :

MSVOA_U

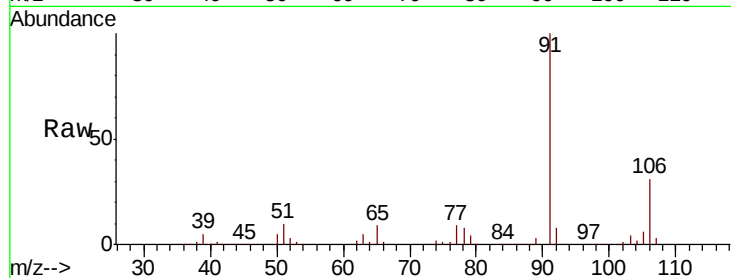
ClientSampleId :

Tot Ion: 91 Resp: 510649

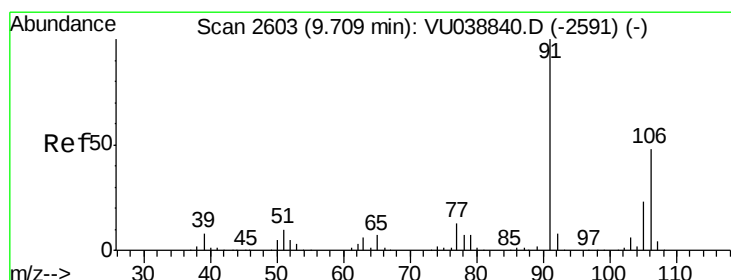
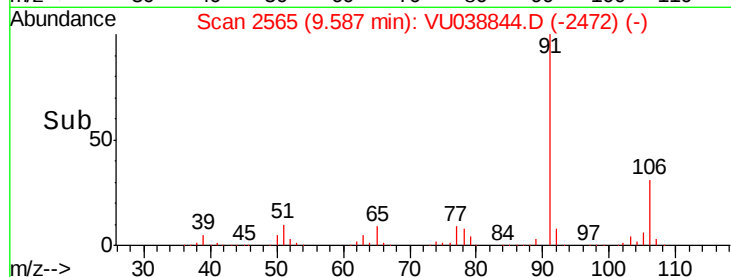
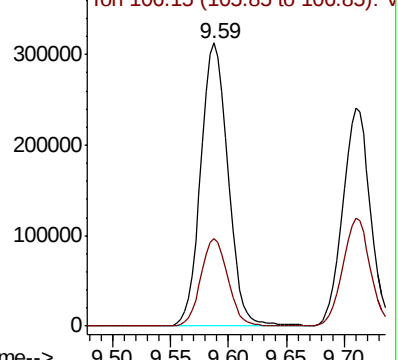
Ion Ratio Lower Upper

91 100

106 30.9 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU038844.D (-2550) (-)



#53

m,p-Xylene

Concen: 4.979 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU038844.D

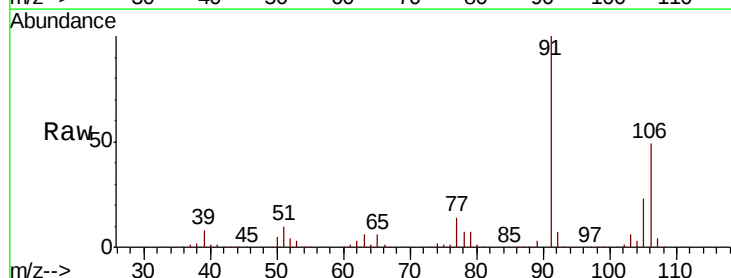
Acq: 12 Jun 2020 11:46

Tgt Ion: 106 Resp: 199306

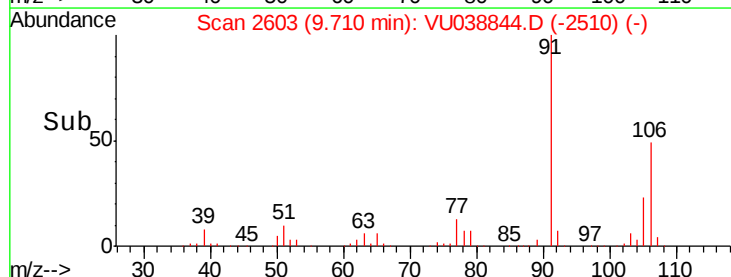
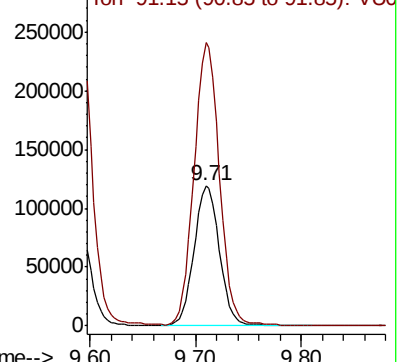
Ion Ratio Lower Upper

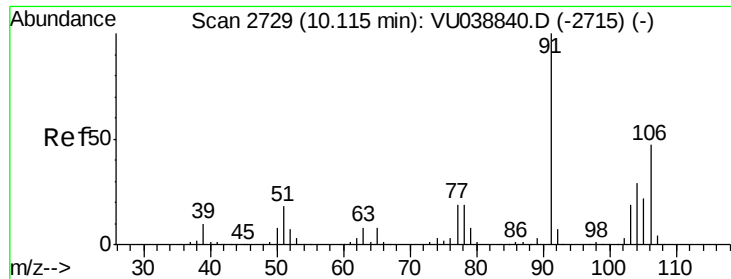
106 100

91 202.2 145.0 269.4



Abundance Ion 106.15 (105.85 to 106.85): VU038844.D (-2591) (-)

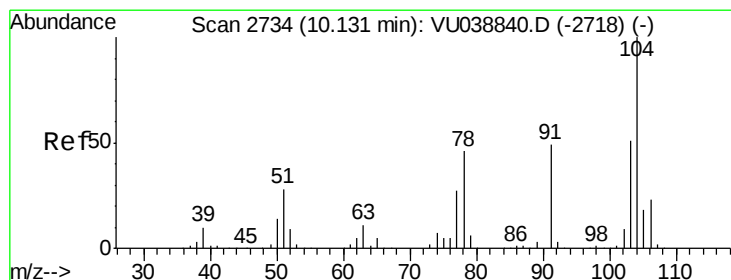
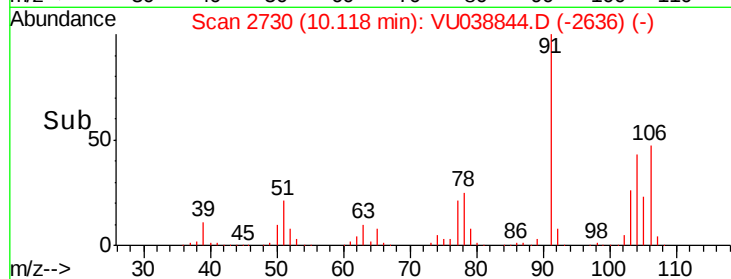
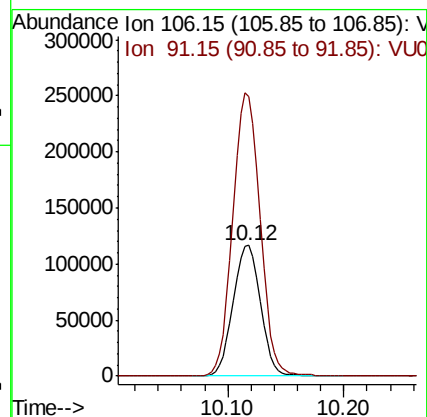
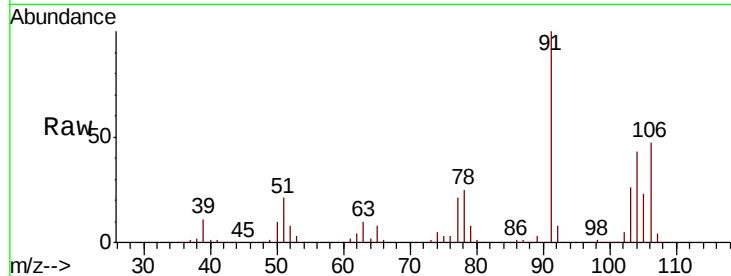




#54
o-Xylene
Concen: 4.958 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038844.D
Acq: 12 Jun 2020 11:46

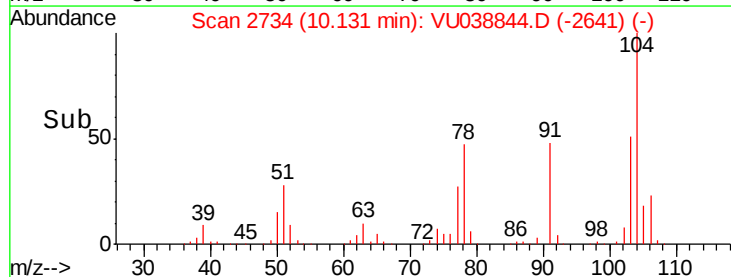
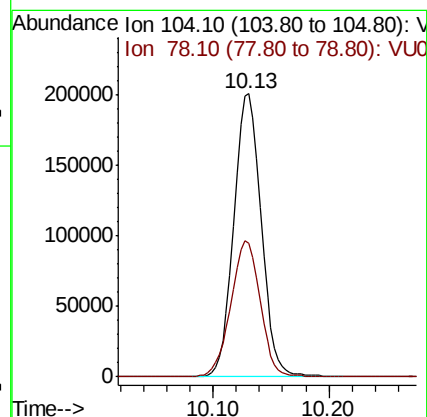
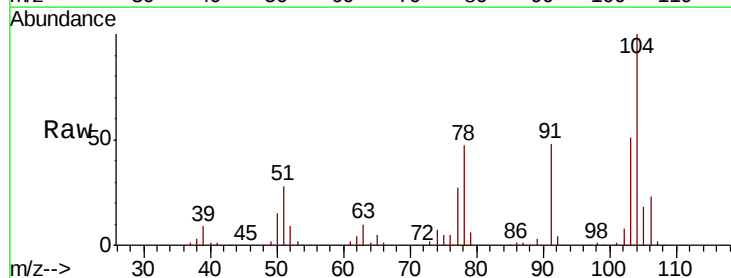
Instrument :
MSVOA_U
ClientSampled :

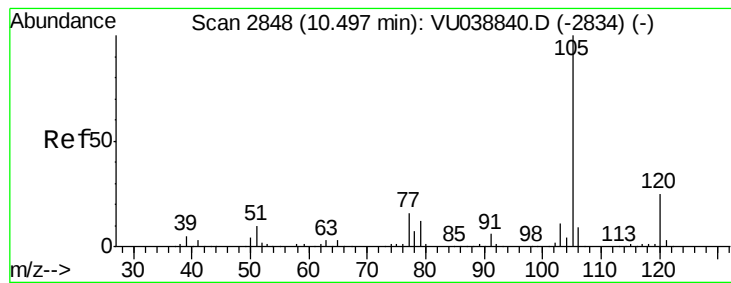
Tot Ion:106 Resp: 190574
Ion Ratio Lower Upper
106 100
91 214.0 149.1 276.9



#55
Styrene
Concen: 4.953 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU038844.D
Acq: 12 Jun 2020 11:46

Tgt Ion:104 Resp: 327641
Ion Ratio Lower Upper
104 100
78 47.1 32.1 59.7





#56

Isopropylbenzene

Concen: 4.951 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

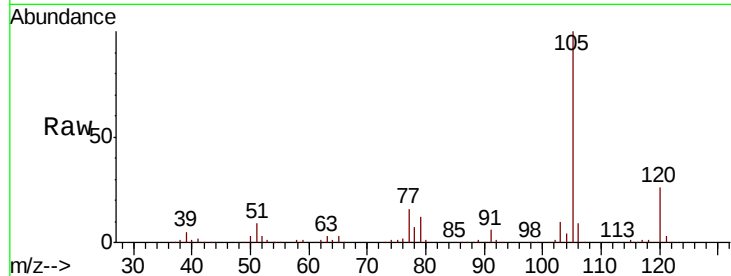
Tot Ion:105 Resp: 508668

Ion Ratio Lower Upper

105 100

120 25.6 20.6 30.8

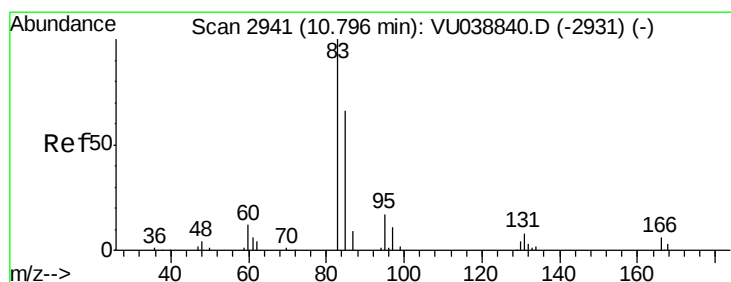
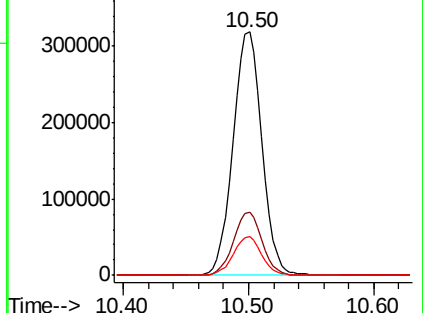
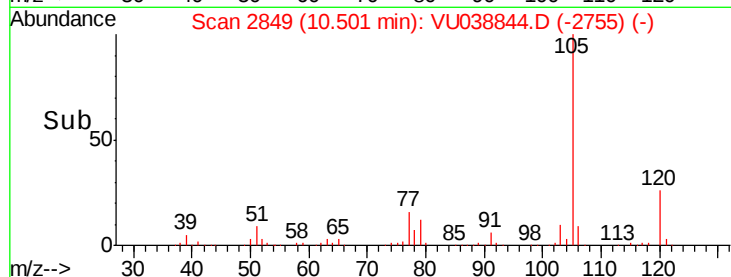
77 15.6 12.8 19.2



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: 4.662 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

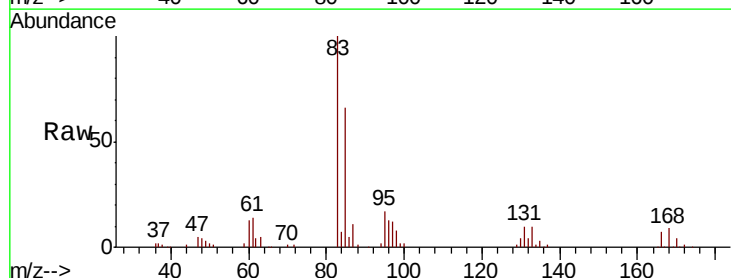
Tgt Ion: 83 Resp: 101445

Ion Ratio Lower Upper

83 100

85 65.9 46.5 86.3

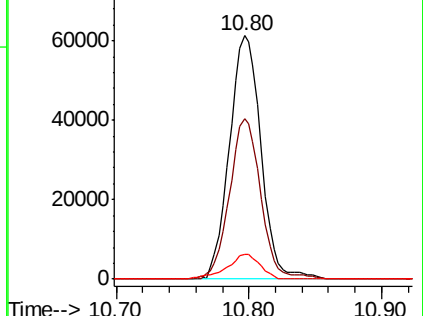
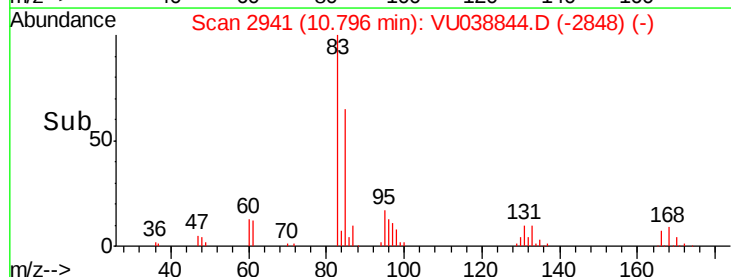
131 10.4 7.2 10.8

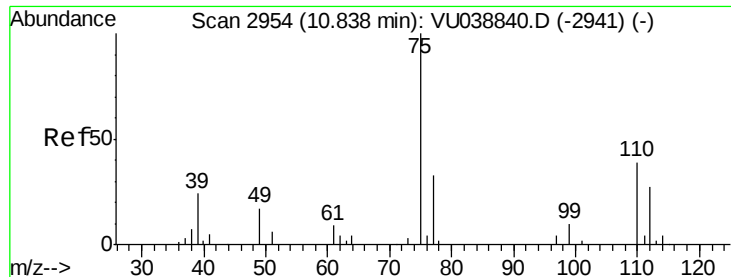


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

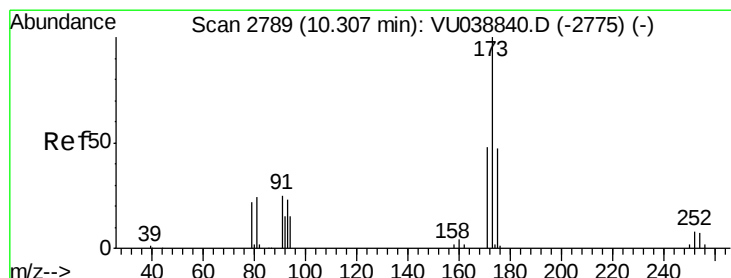
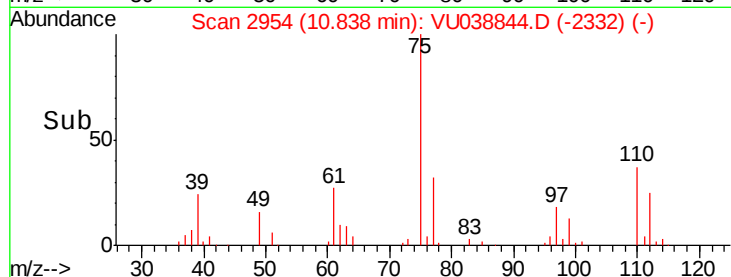
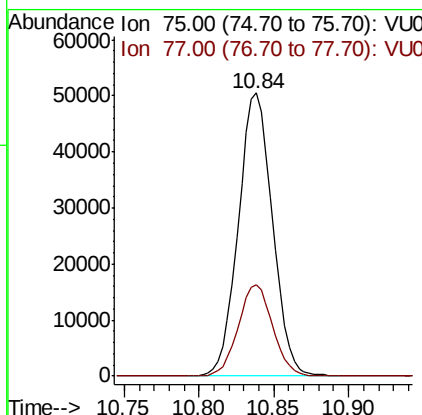
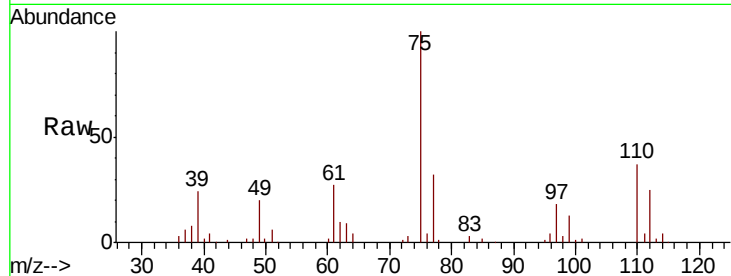




#59
 1,2,3-Trichloropropane
 Concen: 4.713 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU038844.D
 Acq: 12 Jun 2020 11:46

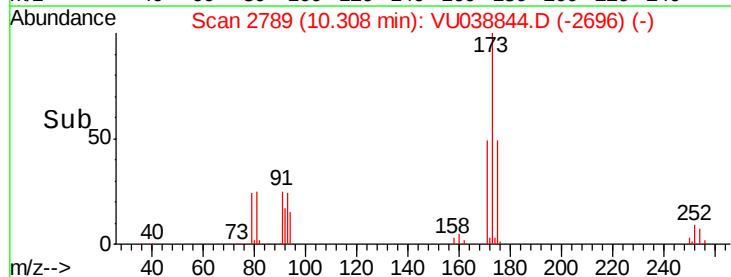
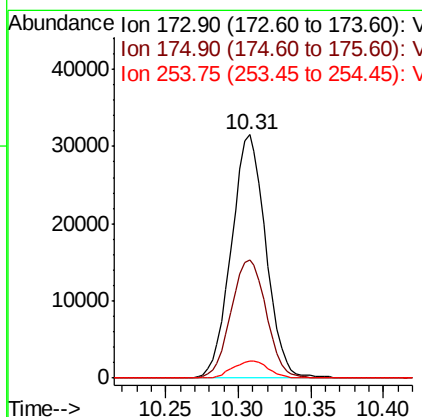
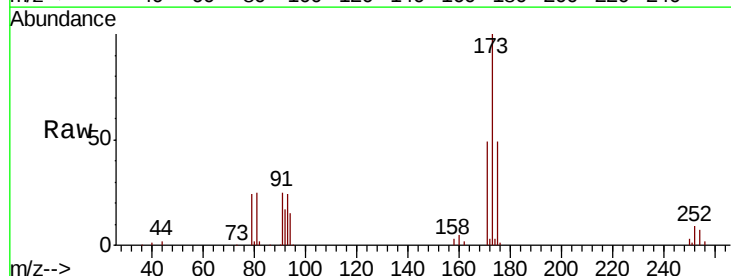
Instrument :
 MSVOA_U
 ClientSampleId :

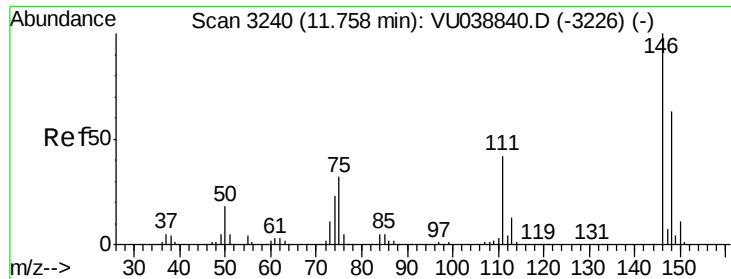
Tot Ion: 75 Resp: 80227
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.8 38.8



#61
 Bromoform
 Concen: 4.618 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VU038844.D
 Acq: 12 Jun 2020 11:46

Tgt Ion: 173 Resp: 52070
 Ion Ratio Lower Upper
 173 100
 175 49.6 38.3 57.5
 254 7.2 6.0 9.0

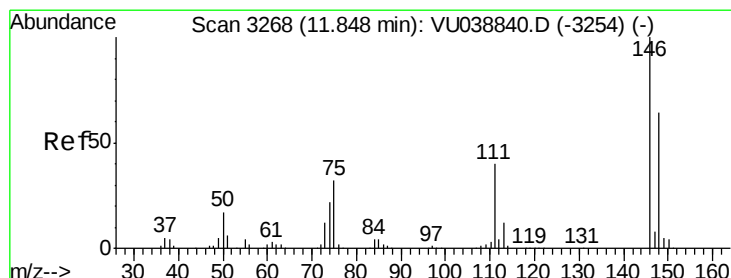
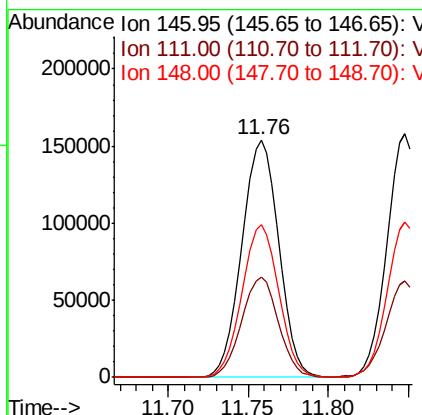
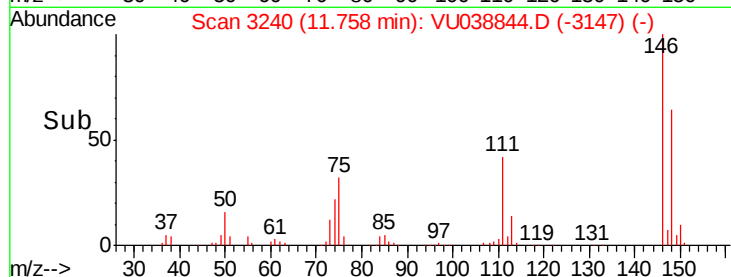
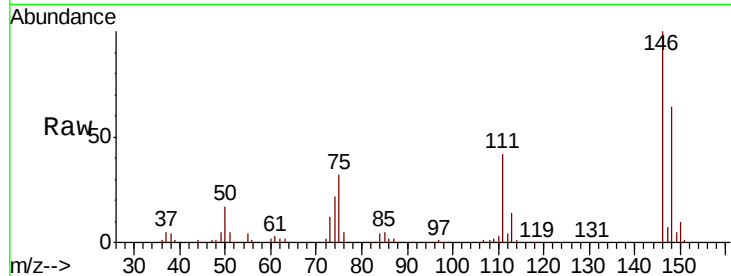




#62
 1,3-Dichlorobenzene
 Concen: 4.788 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU038844.D
 Acq: 12 Jun 2020 11:46

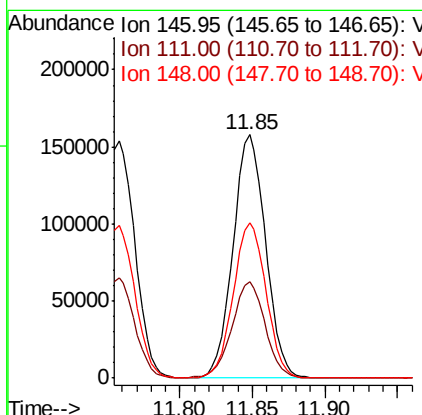
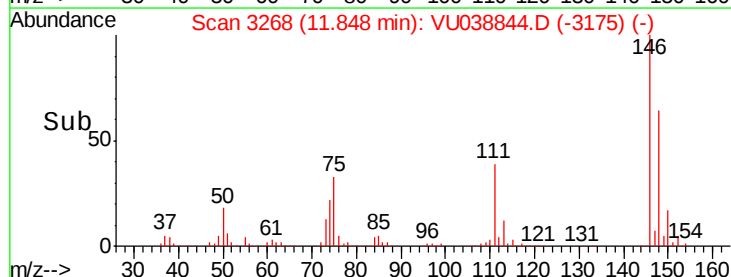
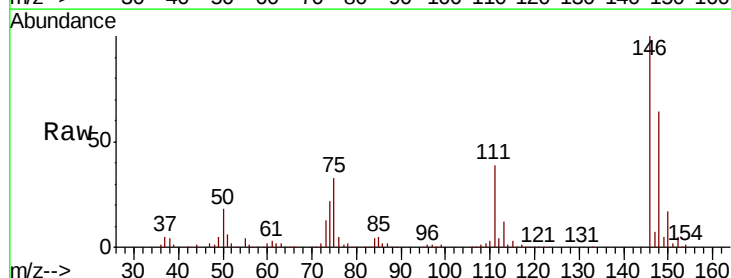
Instrument :
 MSVOA_U
 ClientSampleId :

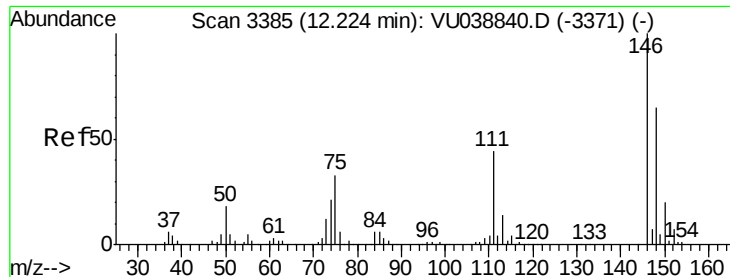
Tot Ion:146 Resp: 241973
 Ion Ratio Lower Upper
 146 100
 111 42.3 29.5 54.9
 148 64.1 43.8 81.3



#63
 1,4-Dichlorobenzene
 Concen: 4.766 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU038844.D
 Acq: 12 Jun 2020 11:46

Tgt Ion:146 Resp: 245678
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.9 51.9
 148 63.8 44.6 82.8





#65

1,2-Dichlorobenzene

Concen: 4.823 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

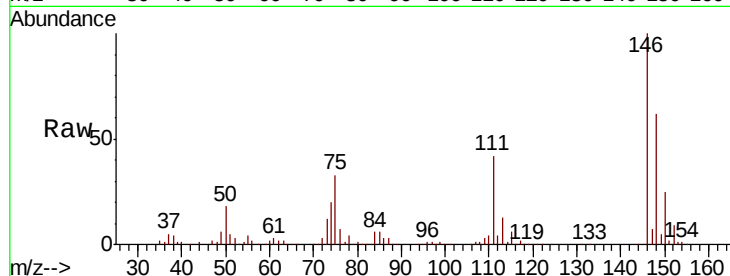
Tot Ion:146 Resp: 229314

Ion Ratio Lower Upper

146 100

111 41.8 35.6 53.4

148 62.1 51.8 77.8

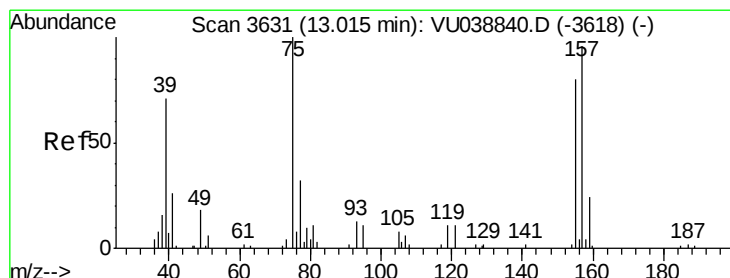
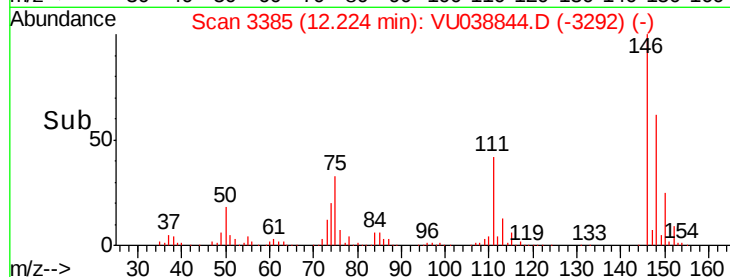
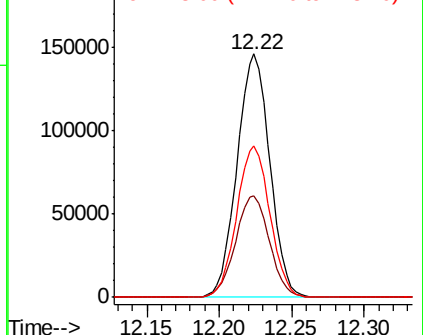


Abundance

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: 4.813 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

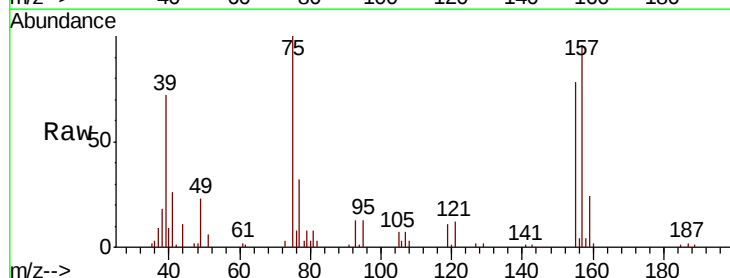
Tgt Ion: 75 Resp: 18561

Ion Ratio Lower Upper

75 100

155 77.5 63.7 95.5

157 95.8 77.1 115.7

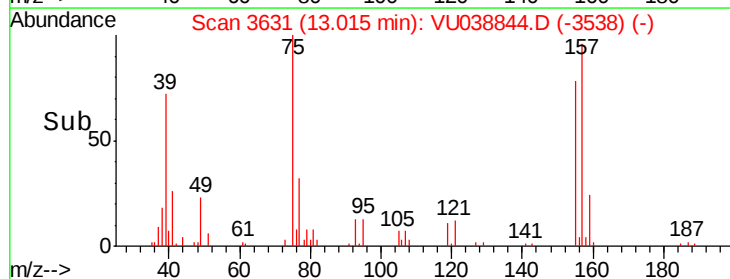
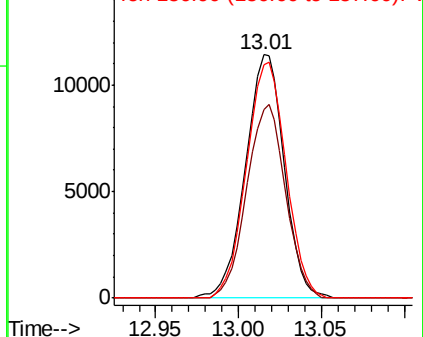


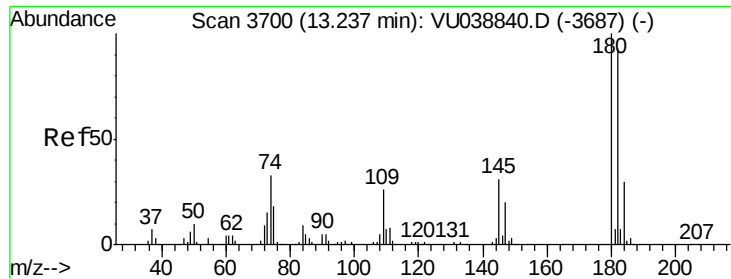
Abundance

Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

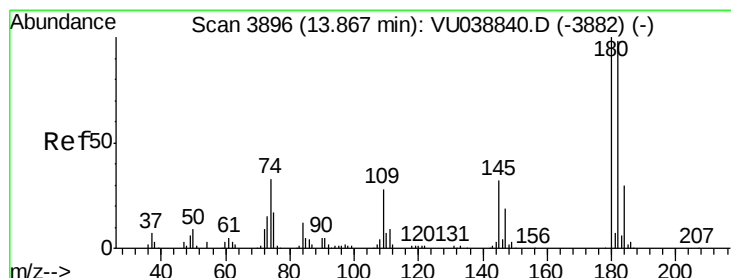
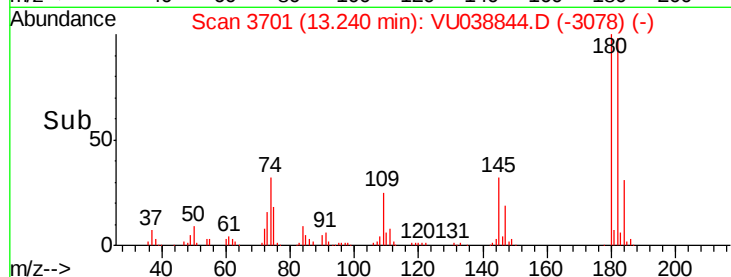
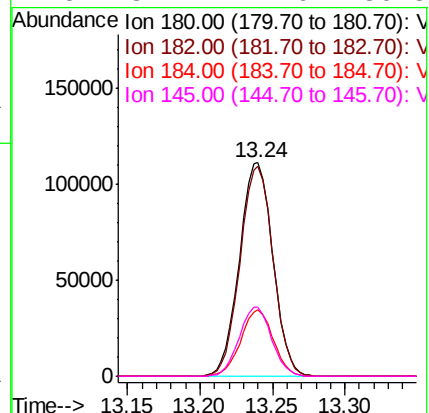
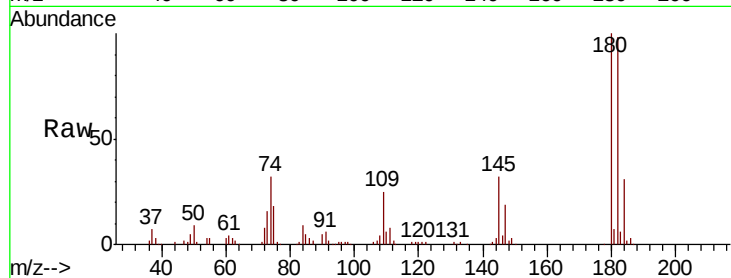




#67
 1,3,5-Trichlorobenzene
 Concen: 4.823 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU038844.D
 Acq: 12 Jun 2020 11:46

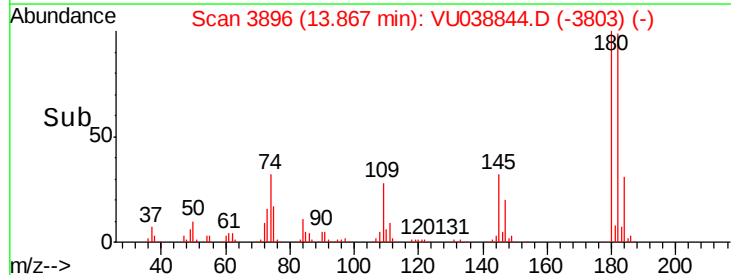
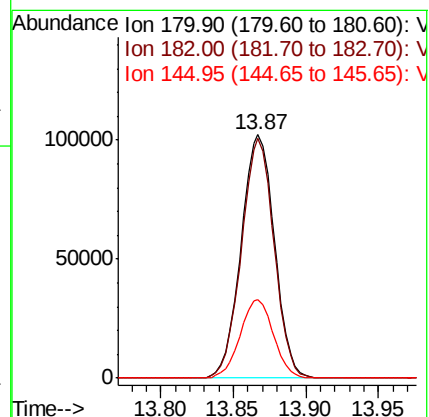
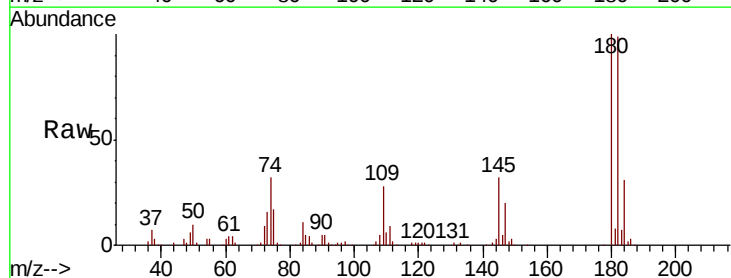
Instrument :
 MSVOA_U
 ClientSampleId :

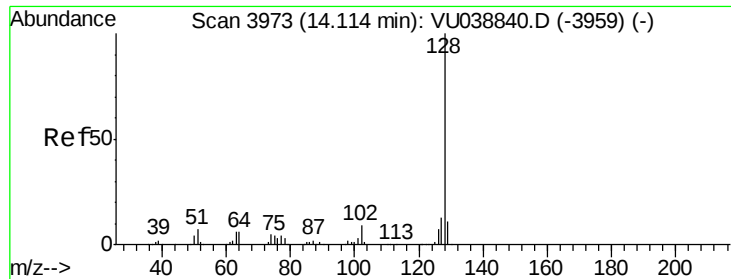
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.0	112.4
184	30.1	23.7	35.5
145	31.2	24.6	36.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.990 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU038844.D
 Acq: 12 Jun 2020 11:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	78.5	117.7
145	32.1	25.0	37.4





#69

Naphthalene

Concen: 5.305 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

Instrument :

MSVOA_U

ClientSampled :

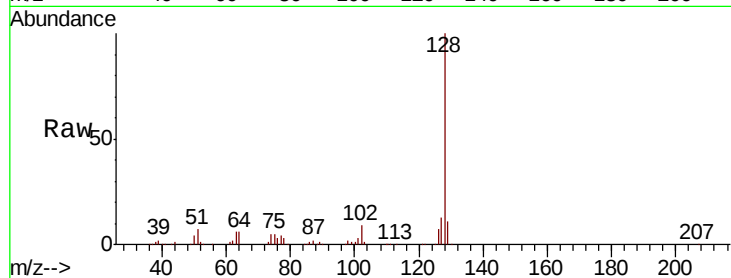
Tot Ion:128 Resp: 329902

Ion Ratio Lower Upper

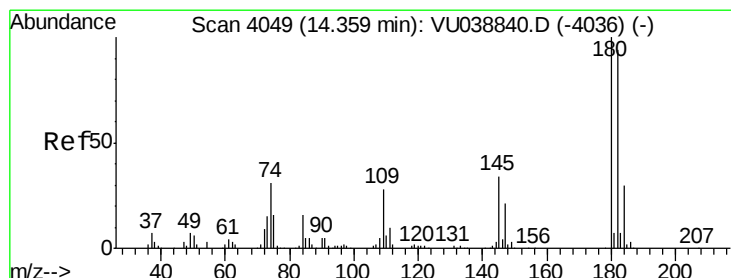
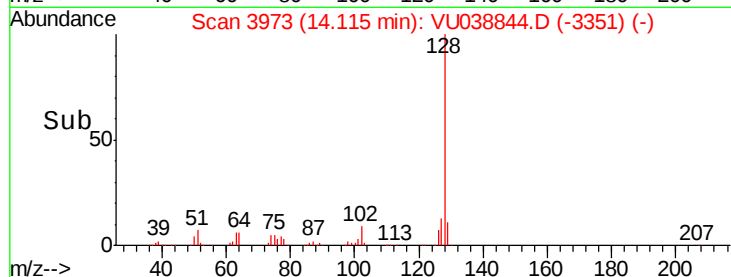
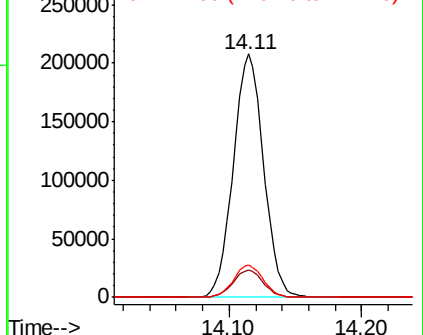
128 100

129 11.2 8.9 13.3

127 12.9 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: 5.148 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU038844.D

Acq: 12 Jun 2020 11:46

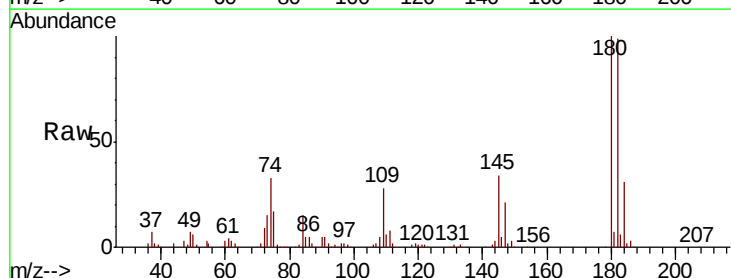
Tgt Ion:180 Resp: 154181

Ion Ratio Lower Upper

180 100

182 96.6 76.1 114.1

145 34.1 27.8 41.6



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

