

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038800.D
 Acq On : 11 Jun 2020 00:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Quant Time: Jun 11 03:47:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 03:42:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	569258	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	559671	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	288470	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	123500	38.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.66%
7) Chloroethane-d5	1.93	69	106290	43.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.16%
11) 1,1-Dichloroethene-d2	2.59	63	302251	43.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.20%
21) 2-Butanone-d5	4.66	46	306447	99.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.04%
24) Chloroform-d	5.10	84	317894	46.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.72%
26) 1,2-Dichloroethane-d4	5.74	65	206648	45.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.94%
32) Benzene-d6	5.76	84	595604	44.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.36%
36) 1,2-Dichloropropane-d6	6.72	67	187920	45.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.46%
41) Toluene-d8	7.92	98	542922	44.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.14%
43) trans-1,3-Dichloropropene-	8.20	79	93451	44.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.34%
47) 2-Hexanone-d5	8.65	63	210717	95.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.28%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	291567	47.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.08%
64) 1,2-Dichlorobenzene-d4	12.20	152	227735	45.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.94%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	213129	47.279	ug/L 99
3) Chloromethane	1.53	50	185563	42.672	ug/L 100
5) Vinyl chloride	1.62	62	210182	46.150	ug/L 100
6) Bromomethane	1.87	94	105984	44.682	ug/L 95
8) Chloroethane	1.95	64	129313	48.536	ug/L 98
9) Trichlorofluoromethane	2.16	101	319031	50.866	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	174444	47.716	ug/L 98
12) 1,1-Dichloroethene	2.60	96	172544	47.887	ug/L 97
13) Acetone	2.66	43	239331	95.987	ug/L 97
14) Carbon disulfide	2.82	76	560957	48.077	ug/L 99
15) Methyl Acetate	2.98	43	252689	48.496	ug/L 100
16) Methylene chloride	3.08	84	203648	47.603	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	190379	48.284	ug/L 98
18) Methyl tert-butyl Ether	3.40	73	616697	48.374	ug/L 99
19) 1,1-Dichloroethane	3.91	63	358970	48.047	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	210286	48.246	ug/L 99
22) 2-Butanone	4.75	43	376558	98.479	ug/L 99

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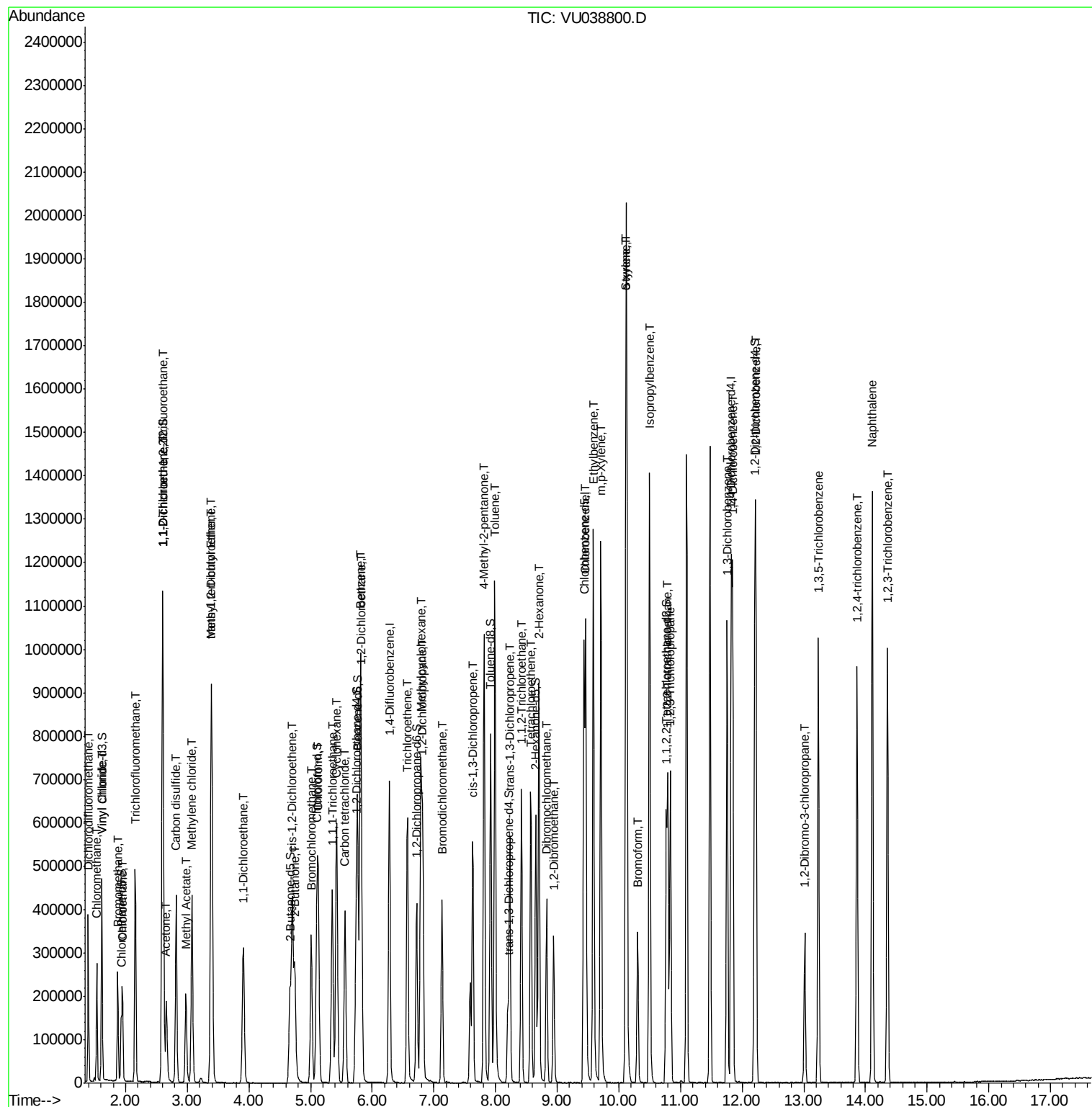
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	107259	49.683	ug/L	94
25) Chloroform	5.12	83	367826	49.193	ug/L	97
27) 1,2-Dichloroethane	5.83	62	307608	49.729	ug/L	100
29) Cyclohexane	5.42	56	299079	46.708	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	326430	49.638	ug/L	100
31) Carbon tetrachloride	5.56	117	270209	49.635	ug/L	99
33) Benzene	5.81	78	817120	49.166	ug/L	100
34) Trichloroethene	6.57	95	208245	49.266	ug/L	99
35) Methylcyclohexane	6.79	83	296466	46.506	ug/L	96
37) 1,2-Dichloropropane	6.82	63	207669	47.951	ug/L	98
38) Bromodichloromethane	7.13	83	277819	50.040	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	317954	47.604	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	646594	95.500	ug/L	99
42) Toluene	7.99	91	863211	49.674	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	308469	48.216	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	204011	48.942	ug/L	99
46) Tetrachloroethene	8.57	164	150115	49.226	ug/L	99
48) 2-Hexanone	8.70	43	554047	98.993	ug/L	99
49) Dibromochloromethane	8.83	129	211261	49.349	ug/L	99
50) 1,2-Dibromoethane	8.94	107	220180	49.143	ug/L	100
51) Chlorobenzene	9.46	112	546326	48.936	ug/L	99
52) Ethylbenzene	9.59	91	951281	49.601	ug/L	99
53) m,p-Xylene	9.71	106	370899	50.380	ug/L	98
54) o-xylene	10.11	106	357356	50.001	ug/L	98
55) Styrene	10.13	104	624700	50.421	ug/L	98
56) Isopropylbenzene	10.50	105	930367	49.878	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	335968	47.358	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	296915	48.895	ug/L	100
61) Bromoform	10.30	173	153951	48.658	ug/L	100
62) 1,3-Dichlorobenzene	11.75	146	427674	48.035	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	428602	47.541	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	423743	47.819	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	88811	48.362	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	303005	47.376	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	283218	46.972	ug/L	100
69) Naphthalene	14.11	128	1053854	49.441	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	293867	48.579	ug/L	99

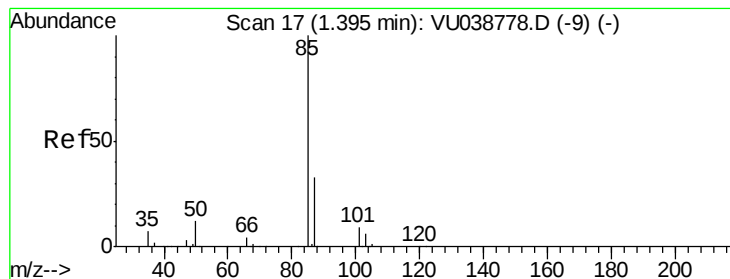
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.279 ug/L

RT: 1.40 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

Instrument :

MSVOA_U

ClientSampleId :

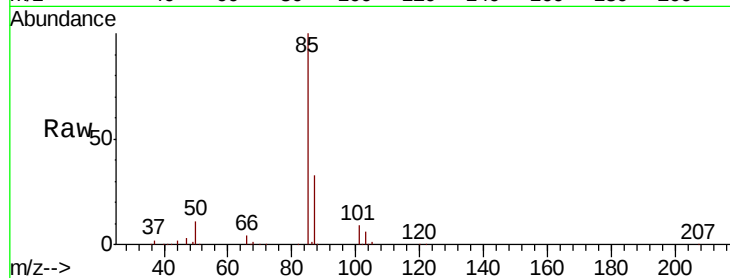
VSTD05050

Tot Ion: 85 Resp: 213129

Ion Ratio Lower Upper

85 100

87 32.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU038778.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038778.D (-9) (-)

1.40

250000

200000

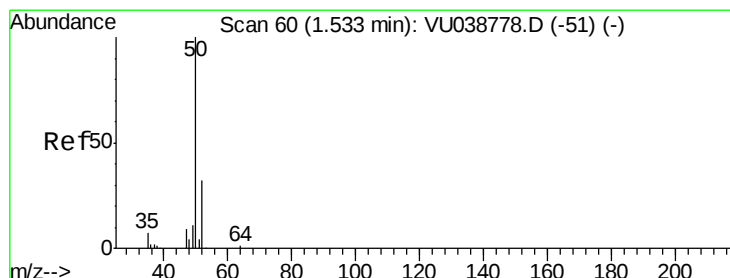
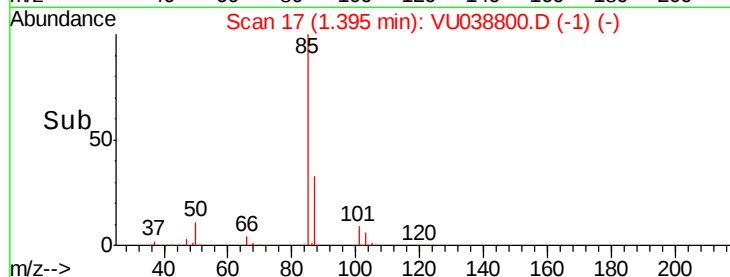
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 42.672 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038800.D

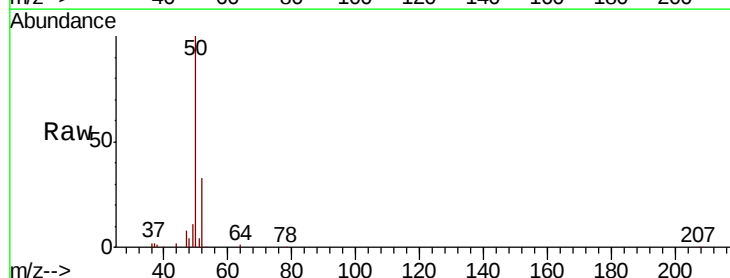
Acq: 11 Jun 2020 00:49

Tgt Ion: 50 Resp: 185563

Ion Ratio Lower Upper

50 100

52 33.0 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU038778.D (-51) (-)

Ion 52.00 (51.70 to 52.70): VU038778.D (-51) (-)

1.53

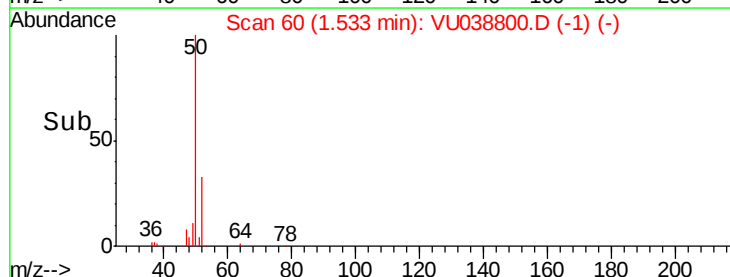
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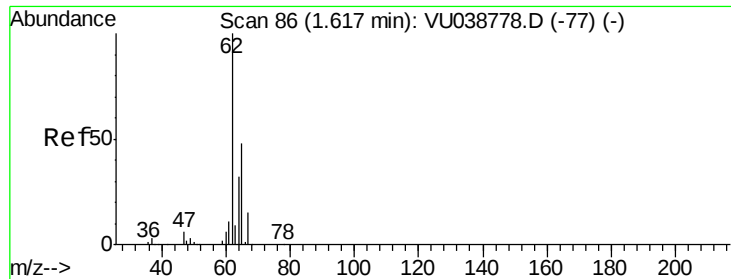
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 46.150 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

Instrument :

MSVOA_U

ClientSampleId :

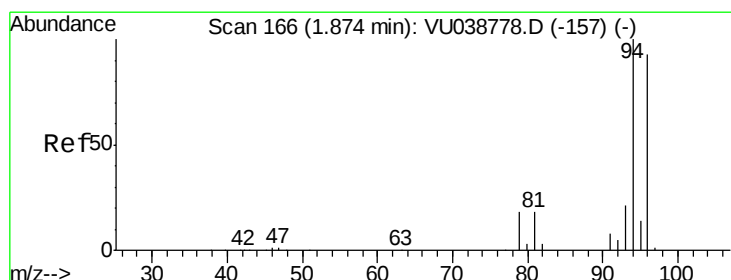
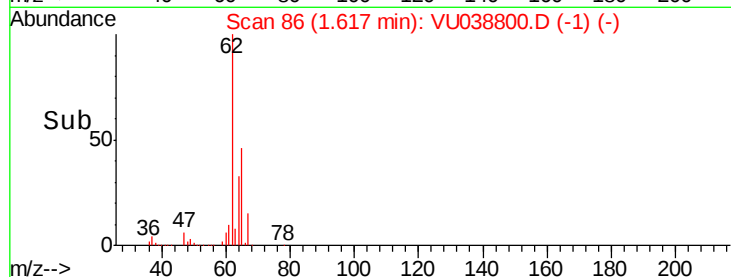
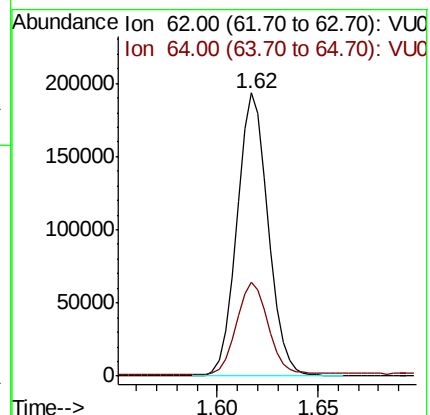
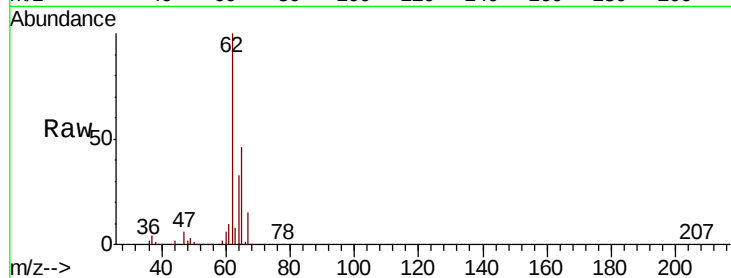
VSTD05050

Tot Ion: 62 Resp: 210182

Ion Ratio Lower Upper

62 100

64 33.0 23.0 42.8



#6

Bromomethane

Concen: 44.682 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038800.D

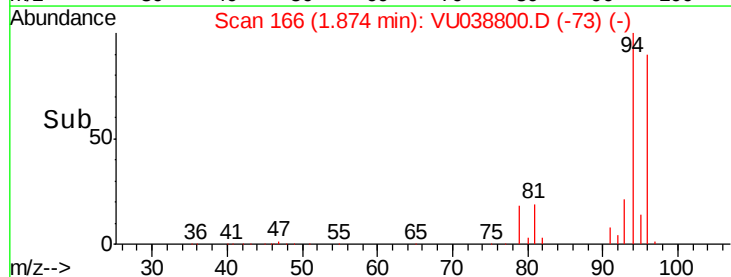
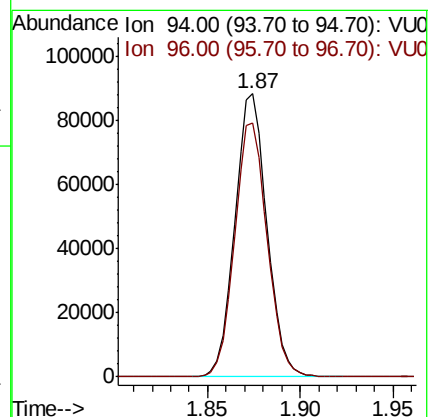
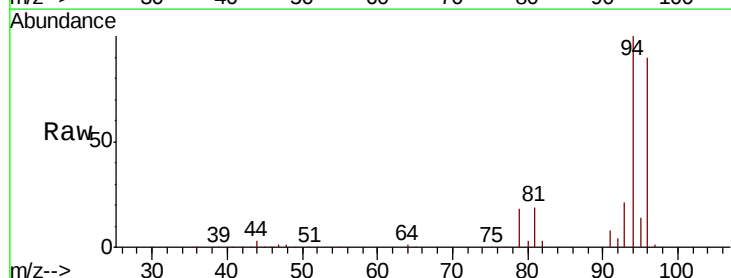
Acq: 11 Jun 2020 00:49

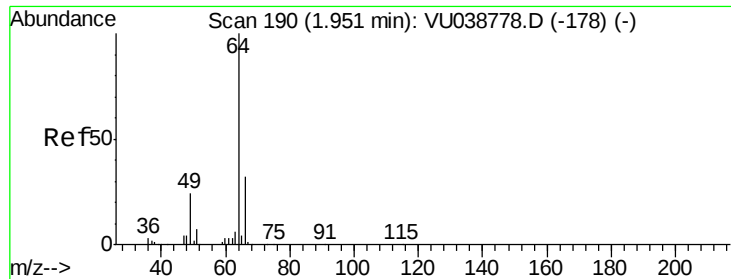
Tgt Ion: 94 Resp: 105984

Ion Ratio Lower Upper

94 100

96 89.8 66.2 123.0





#8

Chloroethane

Concen: 48.536 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

Instrument :

MSVOA_U

ClientSampleId :

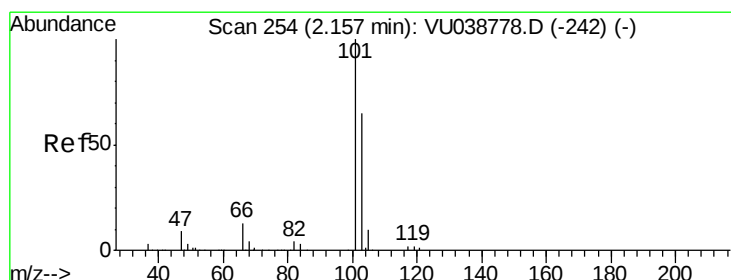
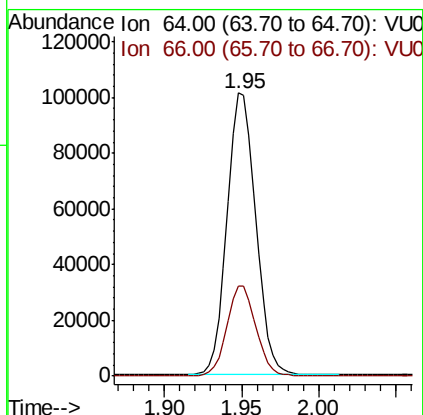
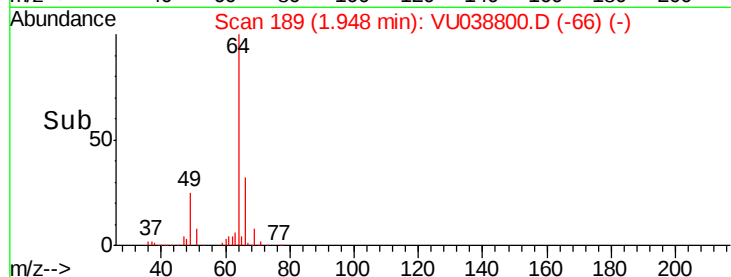
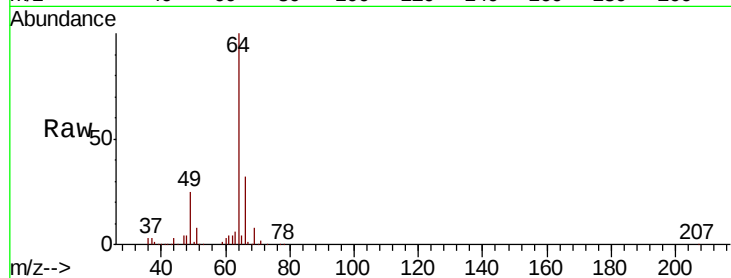
VSTD05050

Tot Ion: 64 Resp: 129313

Ion Ratio Lower Upper

64 100

66 32.0 21.6 40.2



#9

Trichlorofluoromethane

Concen: 50.866 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU038800.D

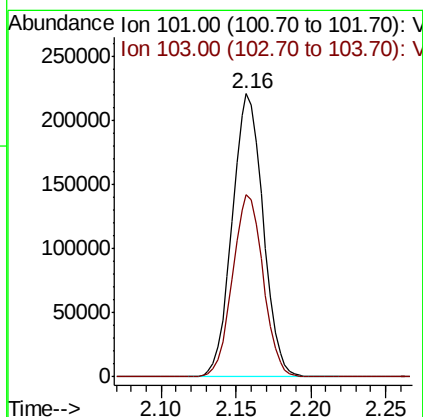
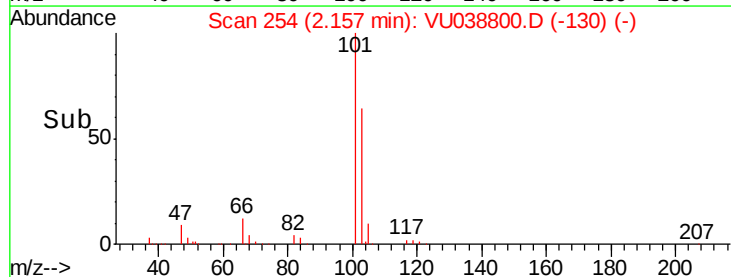
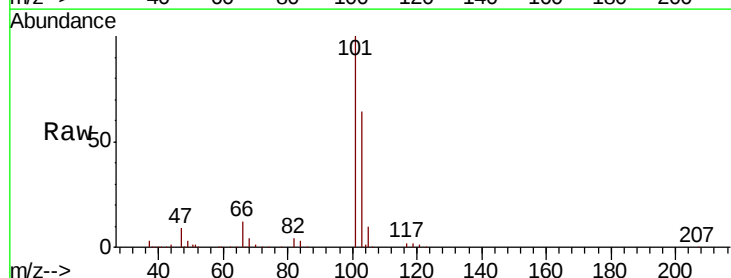
Acq: 11 Jun 2020 00:49

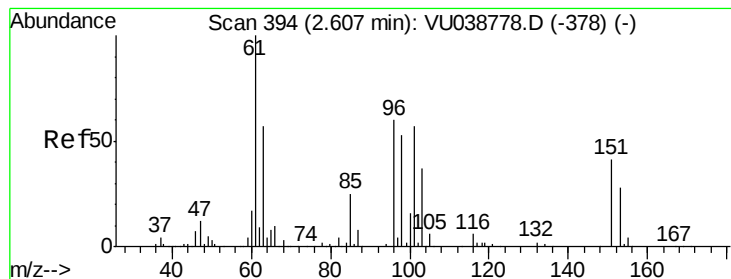
Tgt Ion: 101 Resp: 319031

Ion Ratio Lower Upper

101 100

103 63.7 51.7 77.5





#10

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

Concen: 47.716 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038800.D

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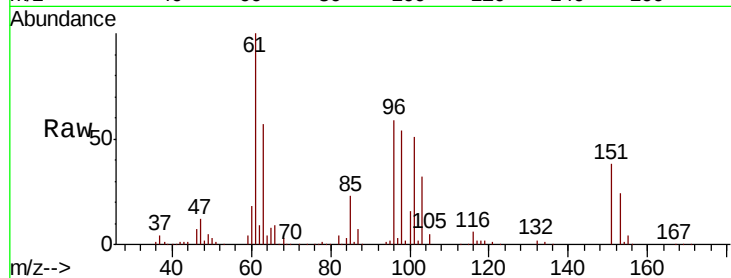
Tot Ion:101 Resp: 174444

Ion Ratio Lower Upper

101 100

85 43.5 35.1 52.7

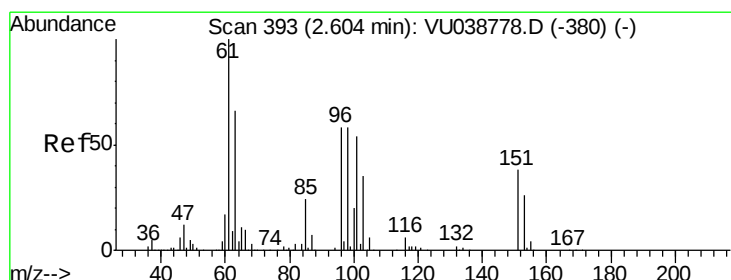
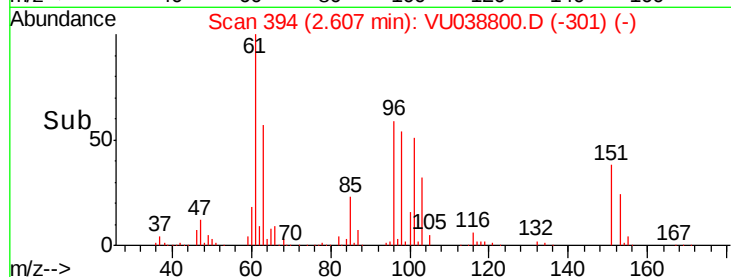
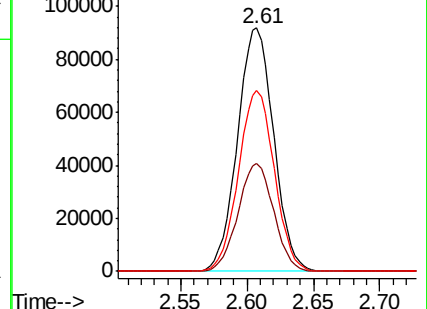
151 73.5 57.4 86.0



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: 47.887 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

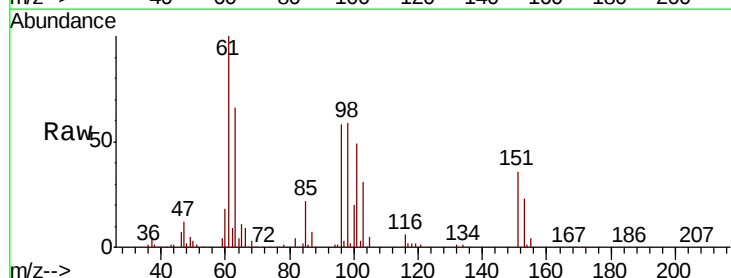
Tgt Ion: 96 Resp: 172544

Ion Ratio Lower Upper

96 100

61 173.0 120.0 223.0

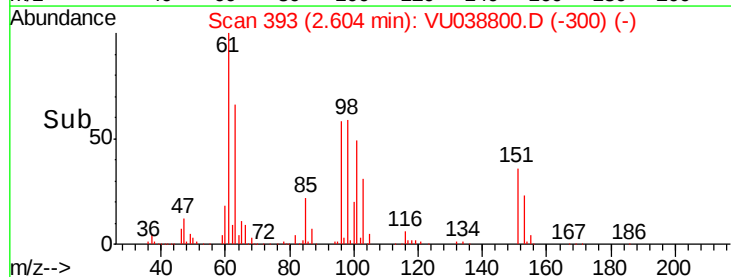
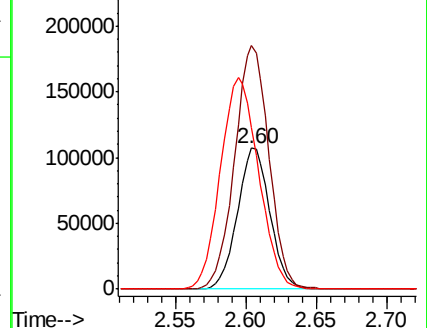
63 114.8 75.8 140.8

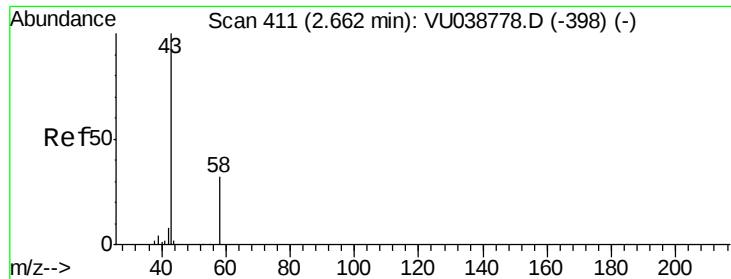


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 95.987 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

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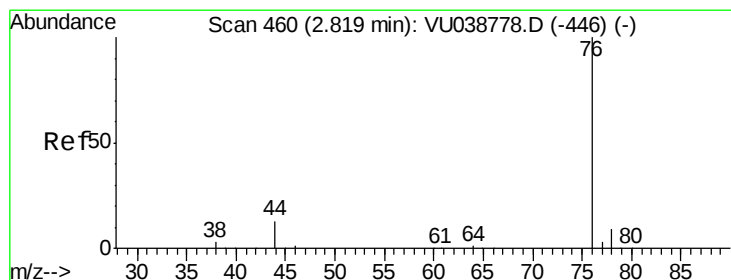
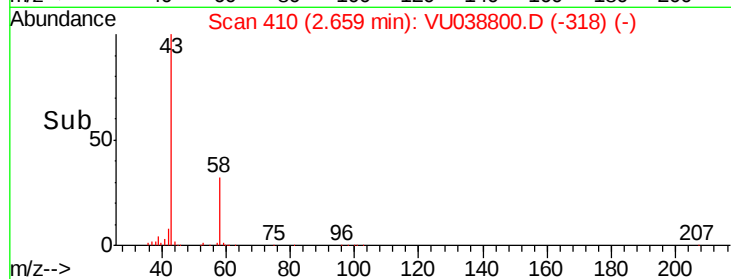
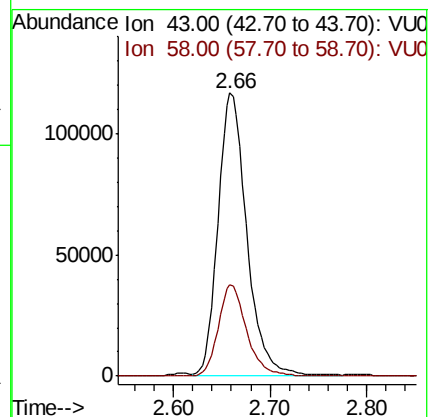
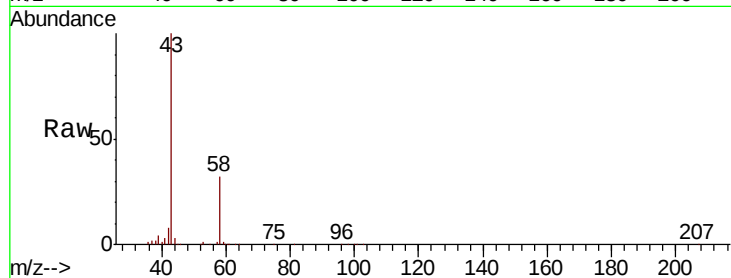
VSTD05050

Tot Ion: 43 Resp: 239331

Ion Ratio Lower Upper

43 100

58 32.0 0.0 67.6



#14

Carbon disulfide

Concen: 48.077 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

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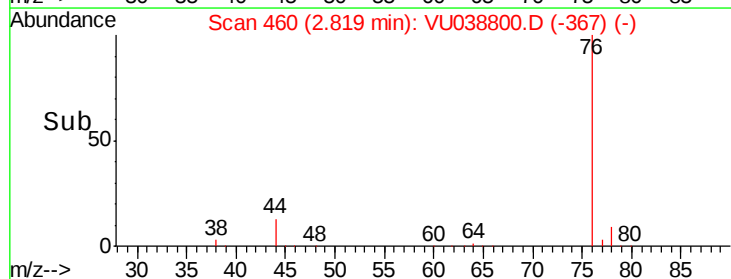
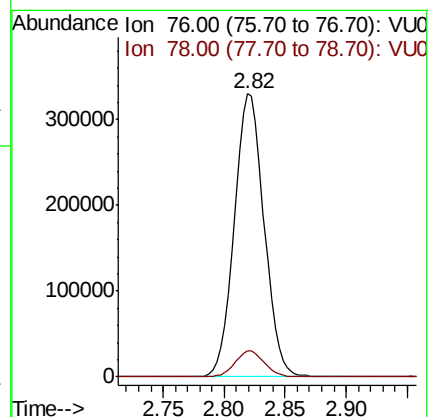
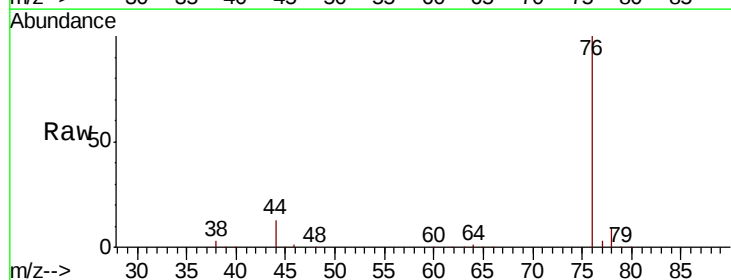
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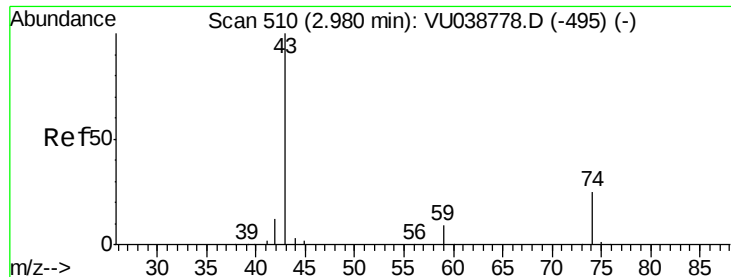
Tgt Ion: 76 Resp: 560957

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

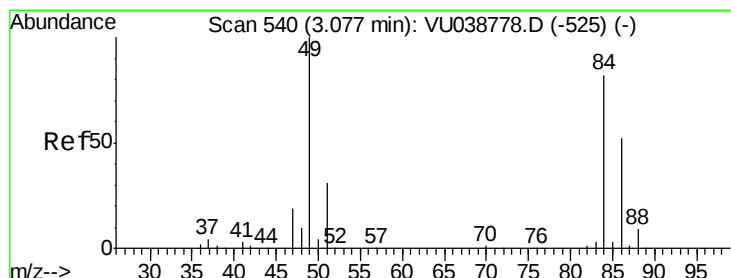
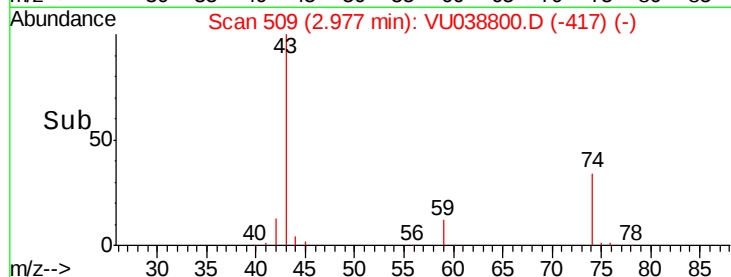
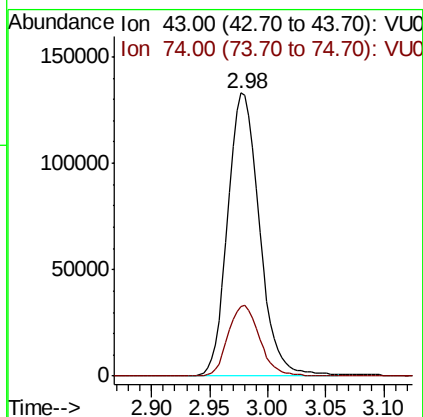
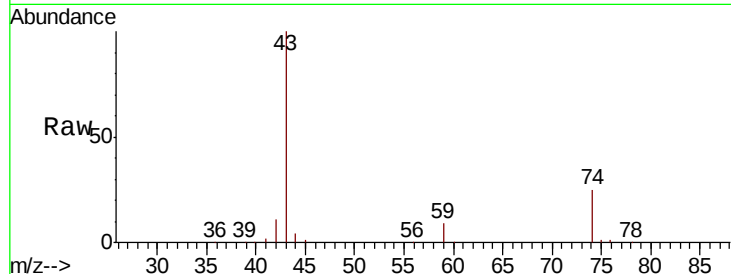




#15
Methvl Acetate
Concen: 48.496 ug/L
RT: 2.98 min Scan# 509
Delta R.T. -0.00 min
Lab File: VU038800.D
Acq: 11 Jun 2020 00:49

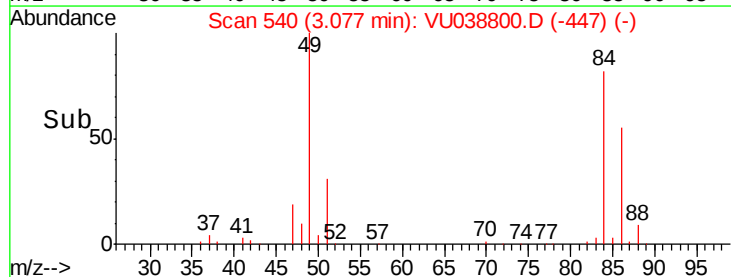
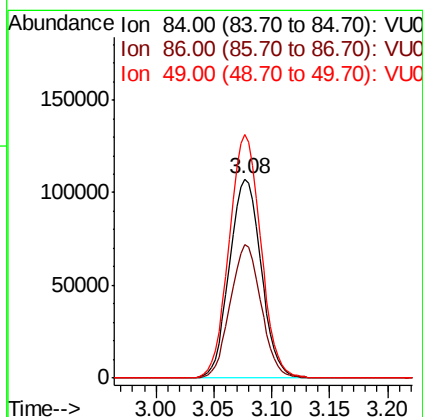
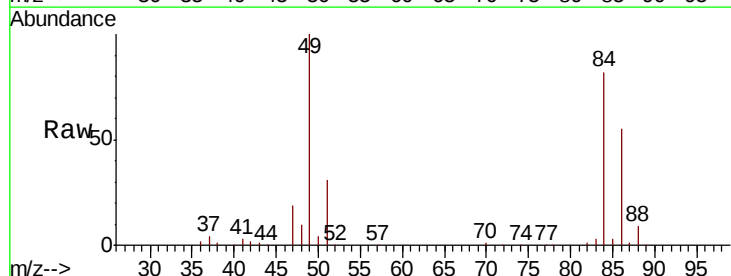
Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

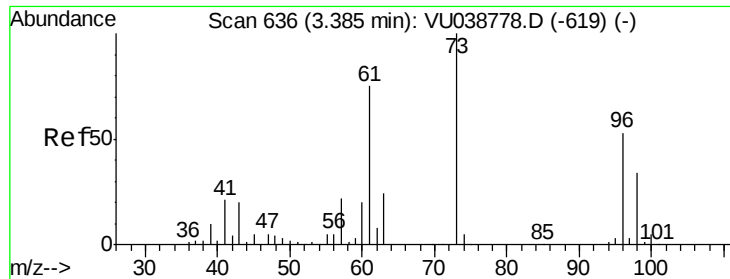
Tot Ion: 43 Resp: 252689
Ion Ratio Lower Upper
43 100
74 24.8 19.7 29.5



#16
Methylene chloride
Concen: 47.603 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038800.D
Acq: 11 Jun 2020 00:49

Tgt Ion: 84 Resp: 203648
Ion Ratio Lower Upper
84 100
86 66.9 44.7 83.1
49 122.5 84.5 156.9

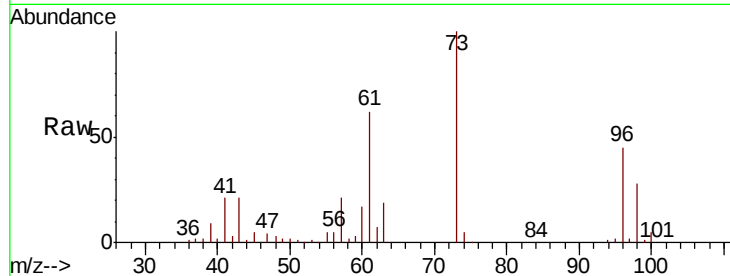




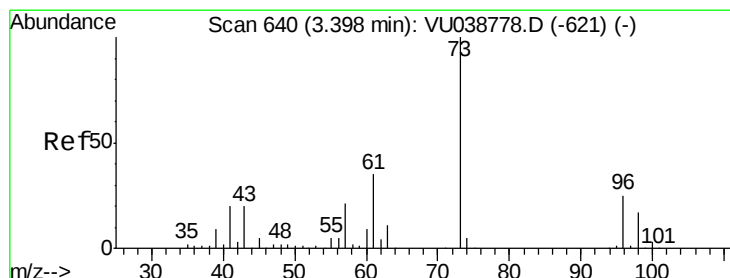
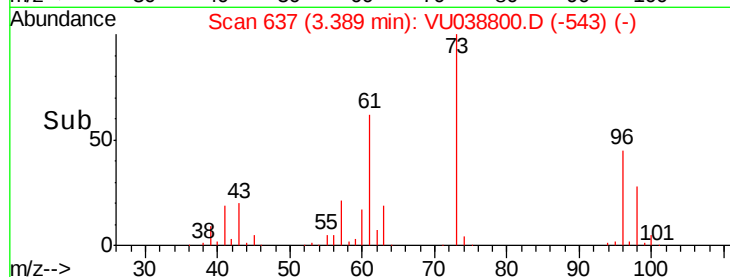
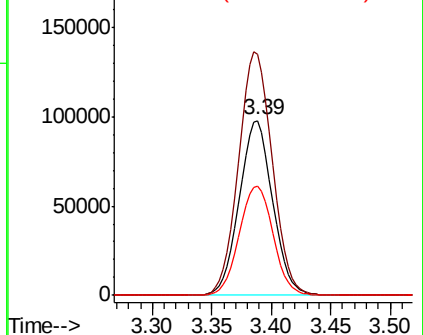
#17
trans-1,2-Dichloroethene
Concen: 48.284 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038800.D
Acq: 11 Jun 2020 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

Tot Ion: 96 Resp: 190379
Ion Ratio Lower Upper
96 100
61 137.8 98.2 182.4
98 62.2 44.3 82.3

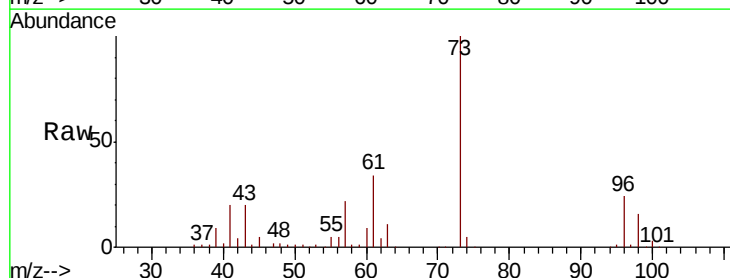


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

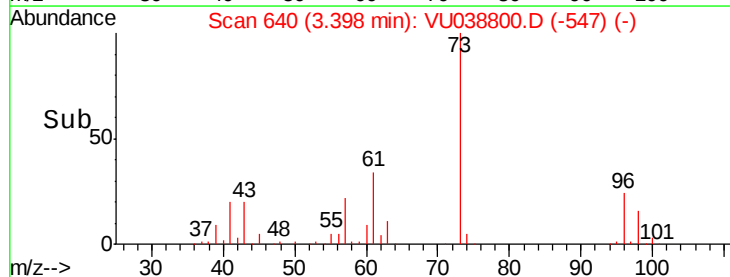
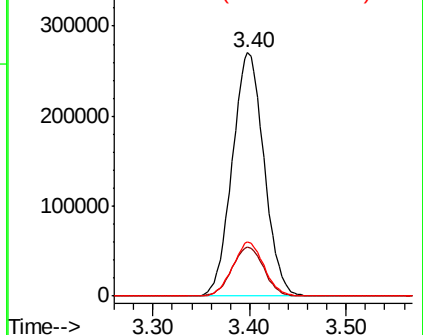


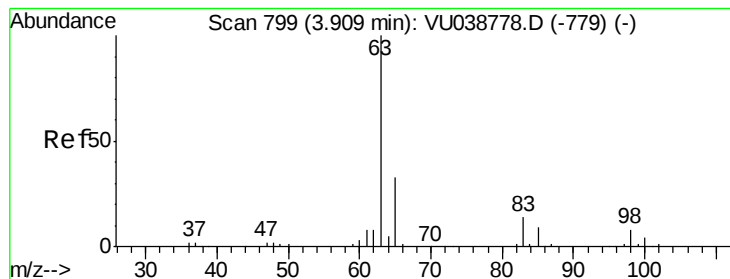
#18
Methyl tert-butyl Ether
Concen: 48.374 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU038800.D
Acq: 11 Jun 2020 00:49

Tgt Ion: 73 Resp: 616697
Ion Ratio Lower Upper
73 100
43 20.3 15.6 23.4
57 21.8 17.2 25.8



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 48.047 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

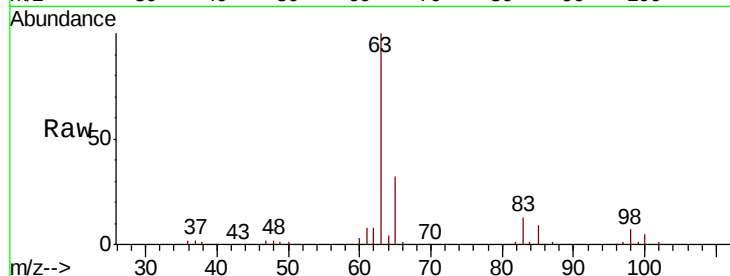
Tot Ion: 63 Resp: 358970

Ion Ratio Lower Upper

63 100

65 31.7 23.0 42.8

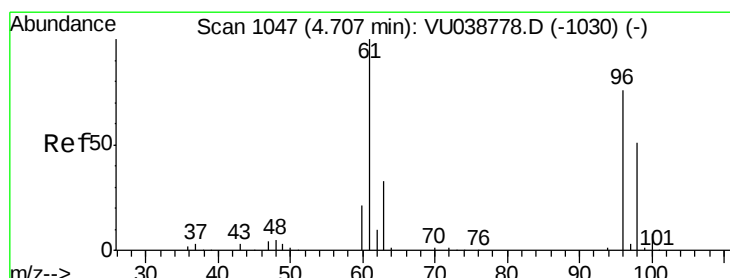
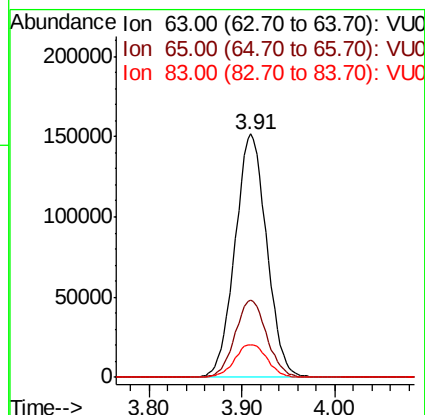
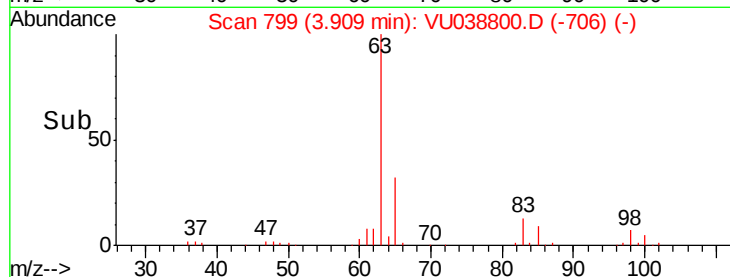
83 13.4 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU038778.D (-779) (-)

Ion 65.00 (64.70 to 65.70): VU038778.D (-779) (-)

Ion 83.00 (82.70 to 83.70): VU038778.D (-779) (-)



#20

cis-1,2-Dichloroethene

Concen: 48.246 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

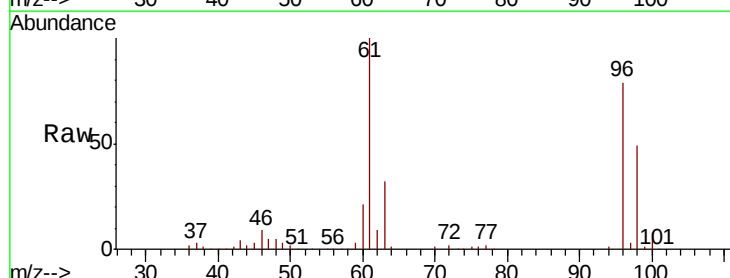
Tgt Ion: 96 Resp: 210286

Ion Ratio Lower Upper

96 100

61 126.9 89.5 166.1

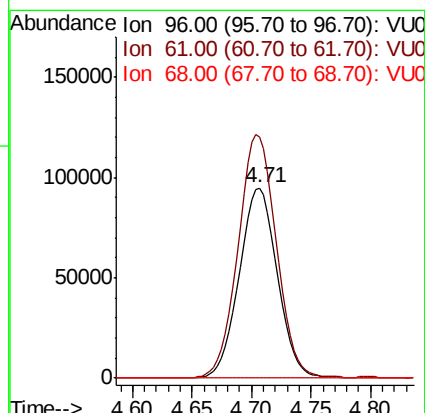
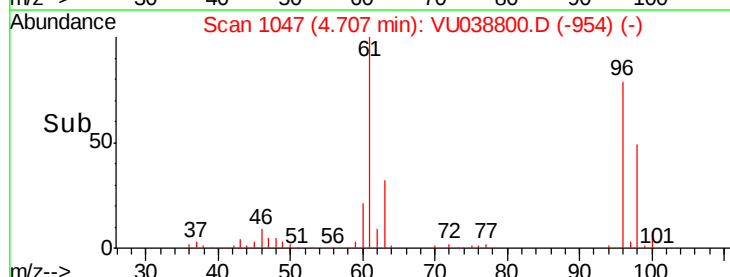
68 0.0 0.0 0.0

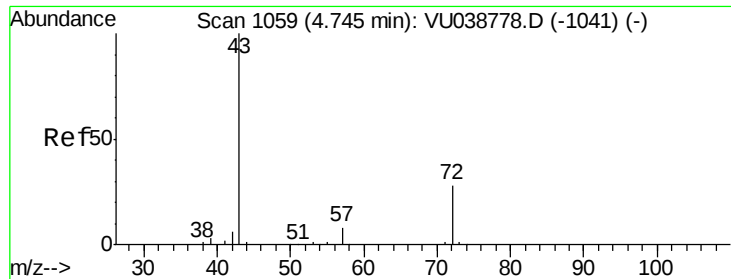


Abundance Ion 96.00 (95.70 to 96.70): VU038778.D (-1030) (-)

Ion 61.00 (60.70 to 61.70): VU038778.D (-1030) (-)

Ion 68.00 (67.70 to 68.70): VU038778.D (-1030) (-)





#22

2-Butanone

Concen: 98.479 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

Instrument :

MSVOA_U

ClientSampleId :

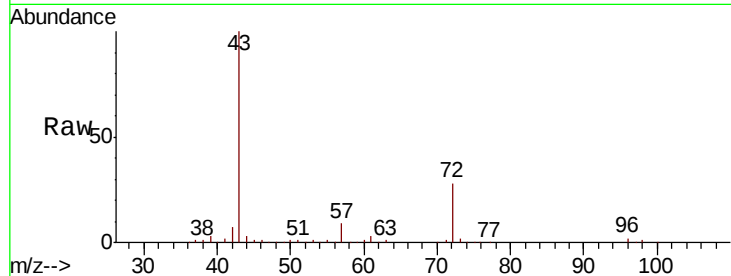
VSTD05050

Tot Ion: 43 Resp: 376558

Ion Ratio Lower Upper

43 100

72 28.6 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU038778.D (-1041) (-)

Ion 72.00 (71.70 to 72.70): VU038778.D (-1041) (-)

4.75

150000

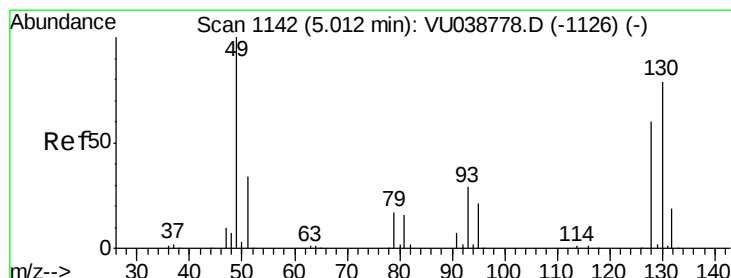
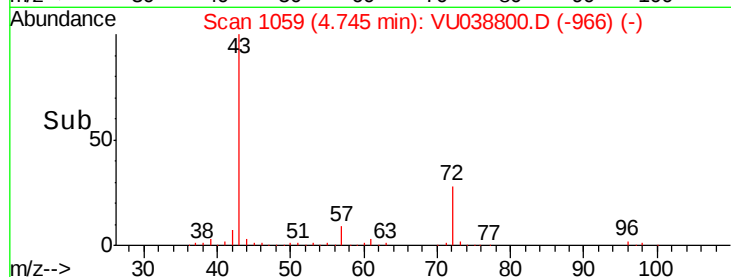
100000

50000

0

4.70 4.80 4.90

Time-->



#23

Bromochloromethane

Concen: 49.683 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

Tgt Ion: 128 Resp: 107259

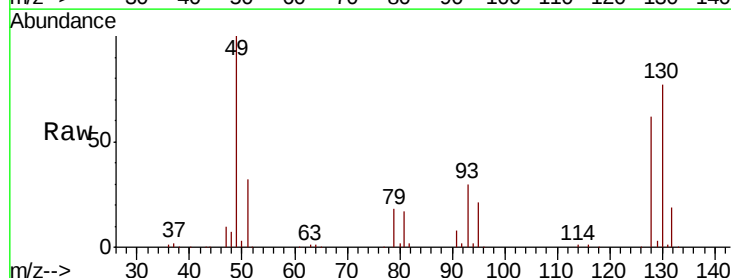
Ion Ratio Lower Upper

128 100

49 161.2 118.6 220.2

130 123.5 92.5 171.7

51 50.9 43.1 64.7



Abundance Ion 128.00 (127.70 to 128.70): VU038778.D (-1126) (-)

Ion 49.00 (48.70 to 49.70): VU038778.D (-1126) (-)

Ion 130.00 (129.70 to 130.70): VU038778.D (-1126) (-)

Ion 51.00 (50.70 to 51.70): VU038778.D (-1126) (-)

120000

100000

80000

60000

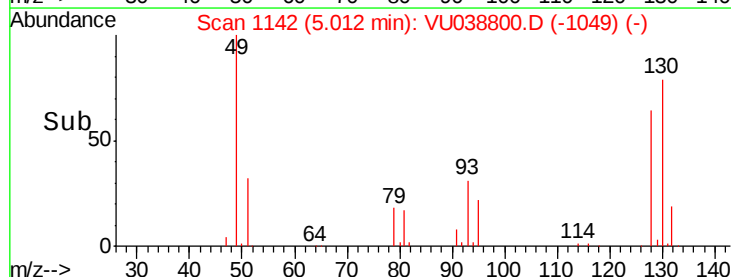
40000

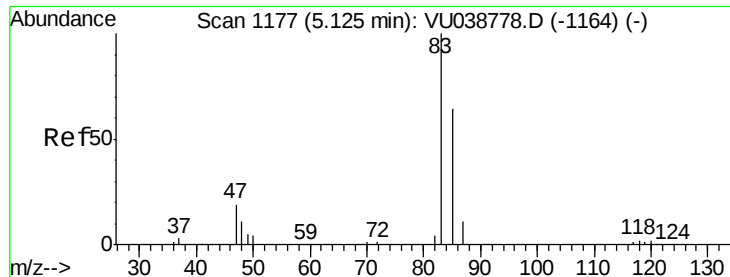
20000

0

4.95 5.00 5.05

Time-->

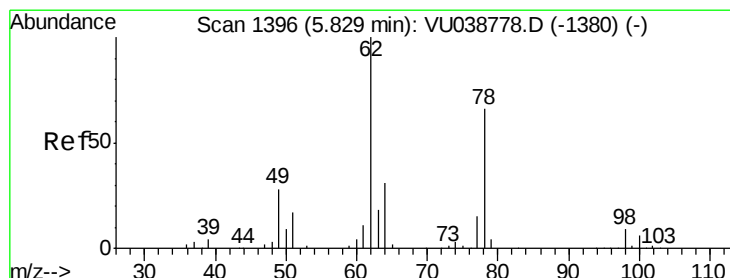
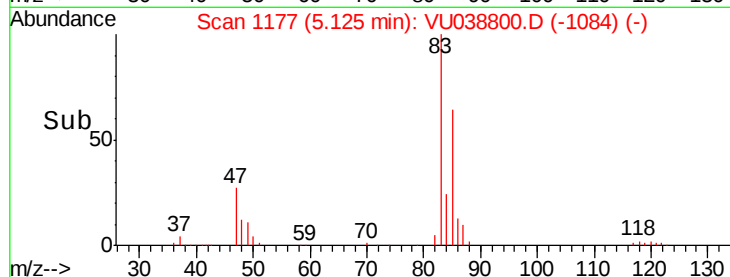
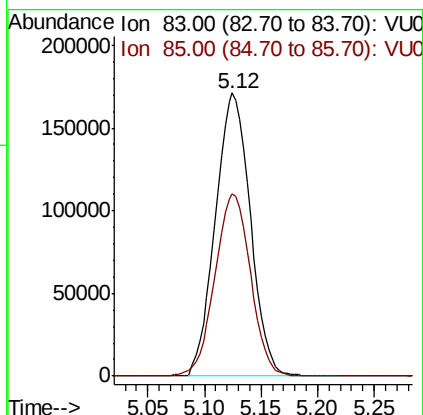
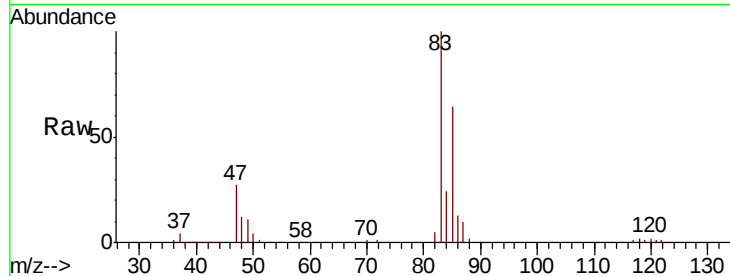




#25
Chloroform
Concen: 49.193 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU038800.D
Acq: 11 Jun 2020 00:49

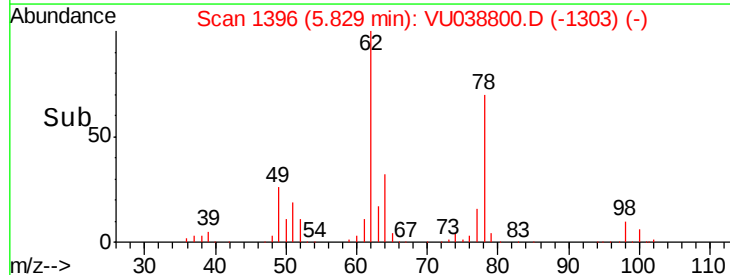
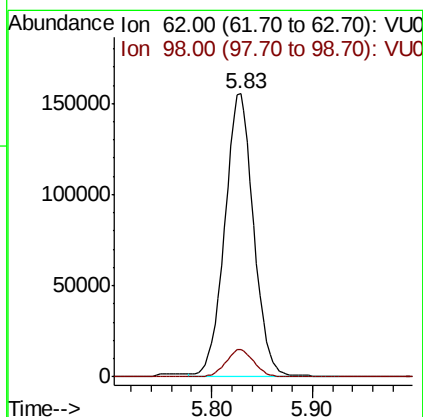
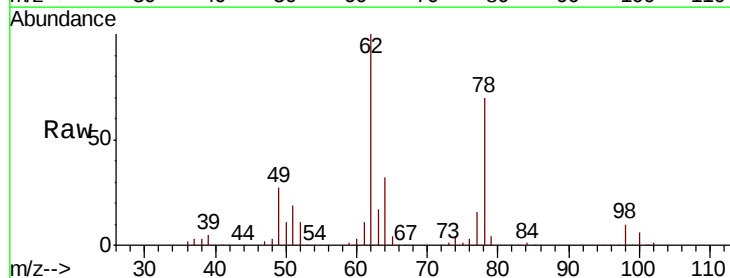
Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

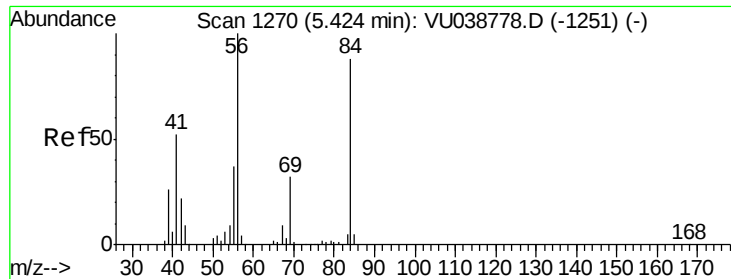
Tot Ion: 83 Resp: 367826
Ion Ratio Lower Upper
83 100
85 64.5 47.0 87.4



#27
1,2-Dichloroethane
Concen: 49.729 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038800.D
Acq: 11 Jun 2020 00:49

Tgt Ion: 62 Resp: 307608
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.6

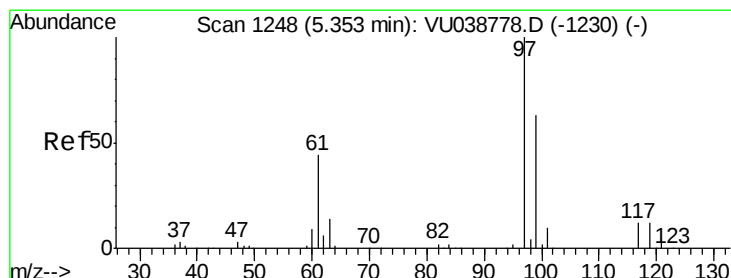
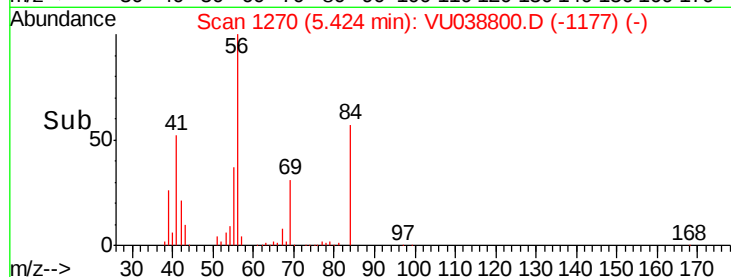
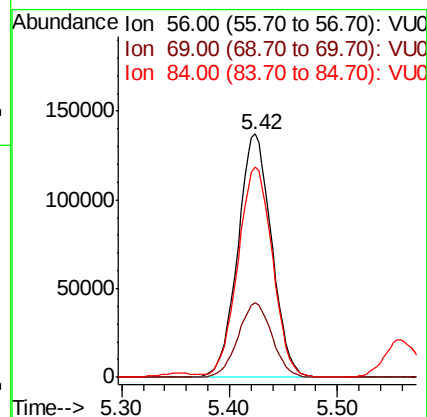
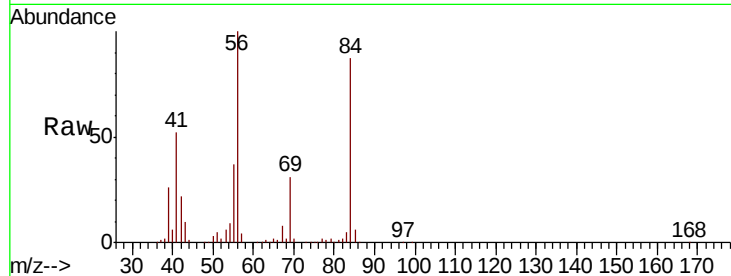




#29
Cyclohexane
Concen: 46.708 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038800.D
Acq: 11 Jun 2020 00:49

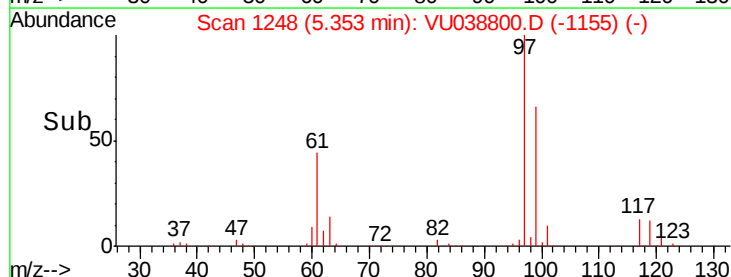
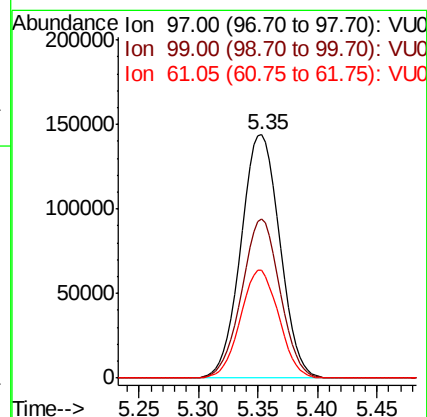
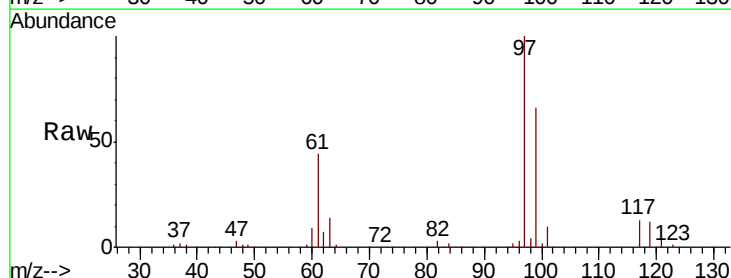
Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

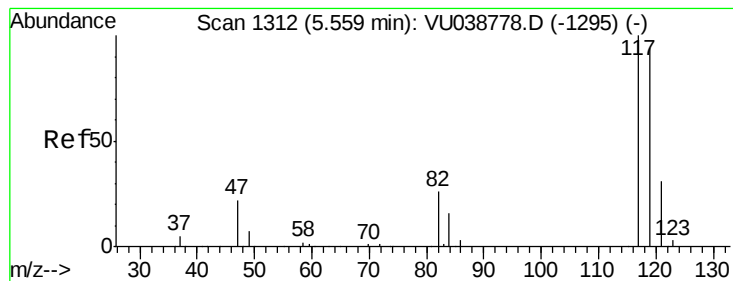
Tot Ion: 56 Resp: 299079
Ion Ratio Lower Upper
56 100
69 30.9 25.1 37.7
84 88.9 70.5 105.7



#30
1,1,1-Trichloroethane
Concen: 49.638 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038800.D
Acq: 11 Jun 2020 00:49

Tgt Ion: 97 Resp: 326430
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 43.8 35.2 52.8





#31

Carbon tetrachloride

Concen: 49.635 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

Instrument :

MSVOA_U

ClientSampleId :

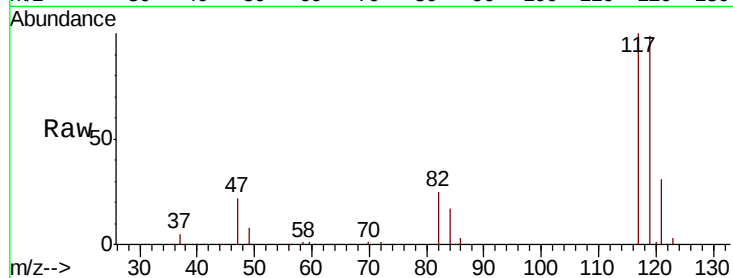
VSTD05050

Tot Ion:117 Resp: 270209

Ion Ratio Lower Upper

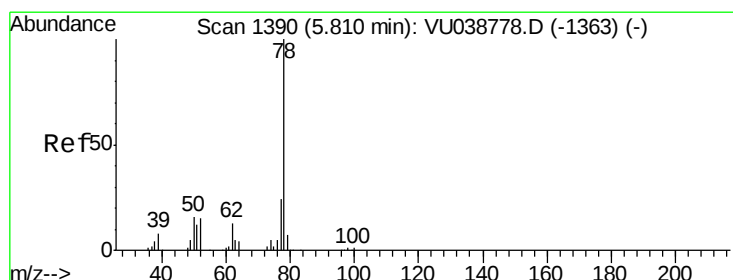
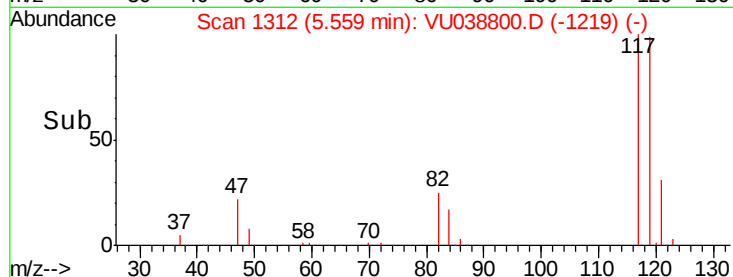
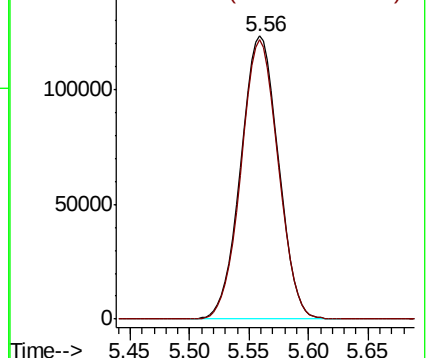
117 100

119 97.2 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.166 ug/L

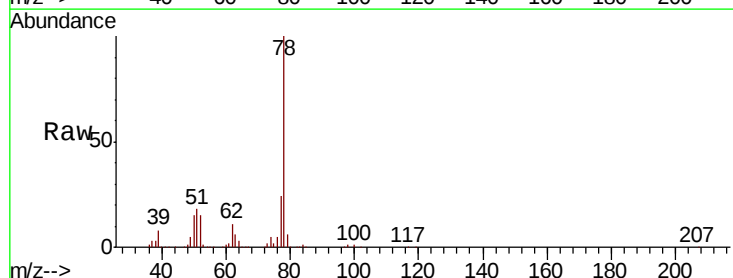
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

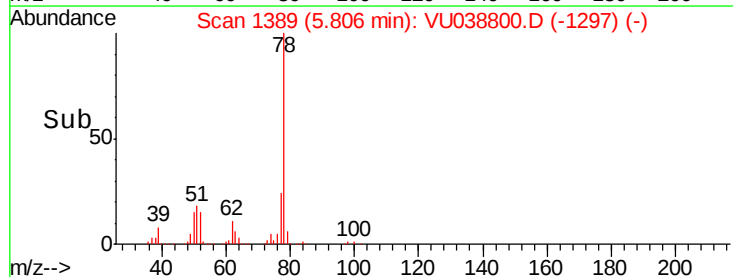
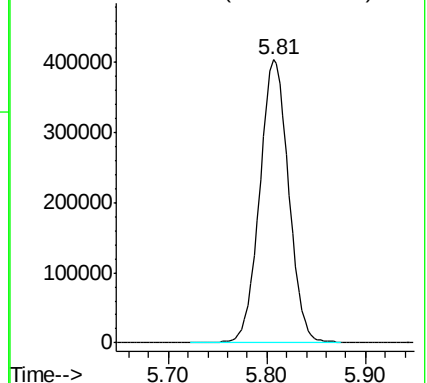
Lab File: VU038800.D

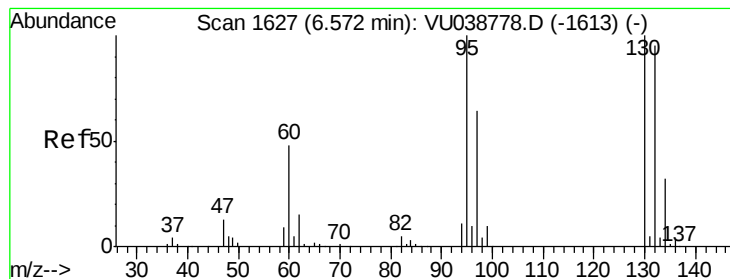
Acq: 11 Jun 2020 00:49

Tgt Ion: 78 Resp: 817120



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 49.266 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

Tot Ion: 95 Resp: 208245

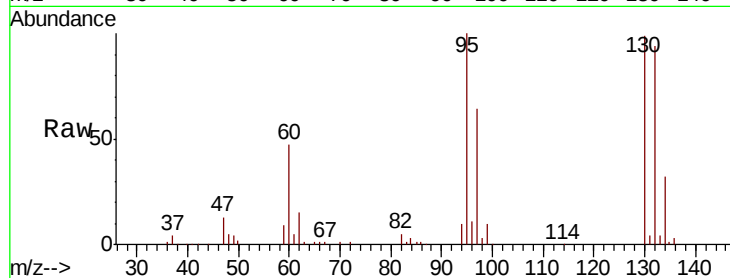
Ion Ratio Lower Upper

95 100

97 63.7 44.4 82.4

132 94.0 64.9 120.5

130 98.9 68.6 127.4

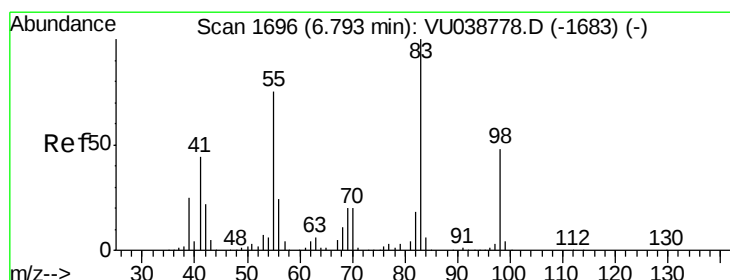
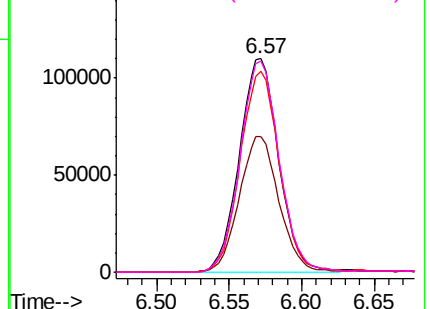
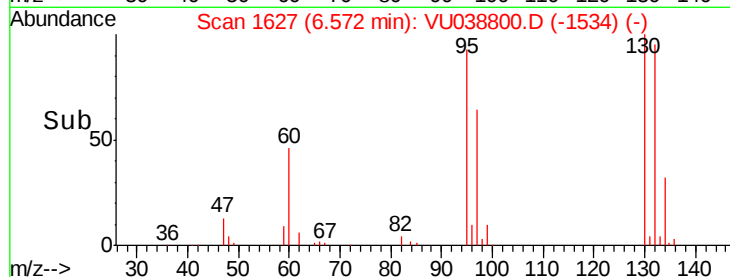


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 46.506 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

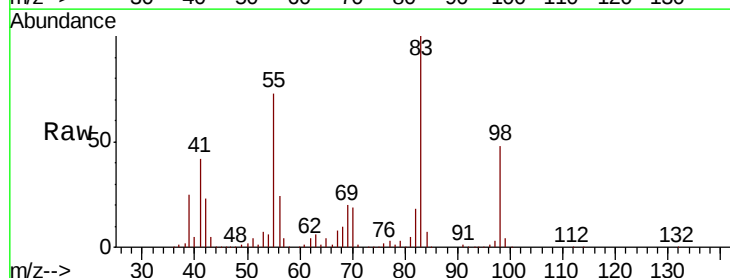
Tgt Ion: 83 Resp: 296466

Ion Ratio Lower Upper

83 100

55 73.9 63.2 94.8

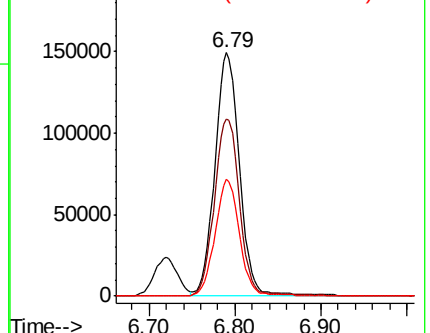
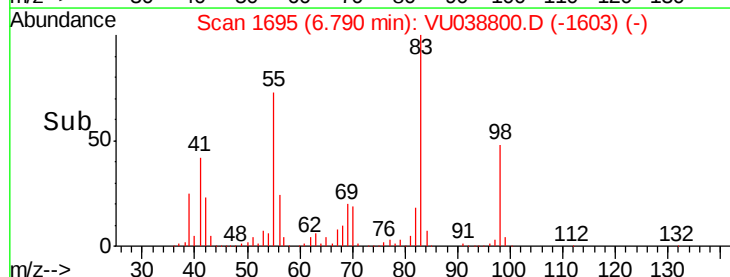
98 47.0 38.4 57.6

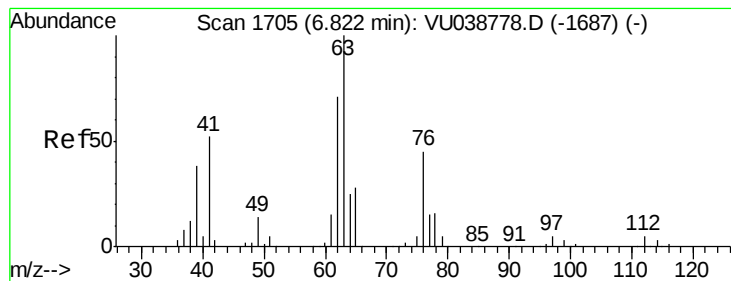


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 47.951 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

Instrument :

MSVOA_U

ClientSampleId :

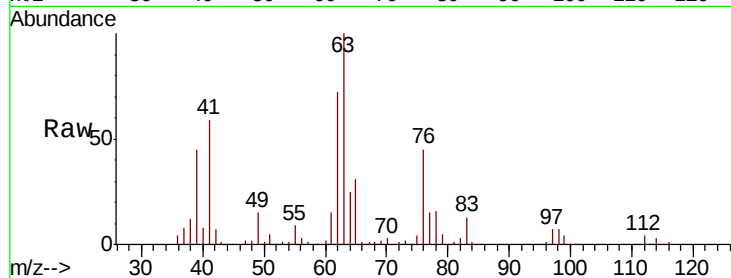
VSTD05050

Tot Ion: 63 Resp: 207669

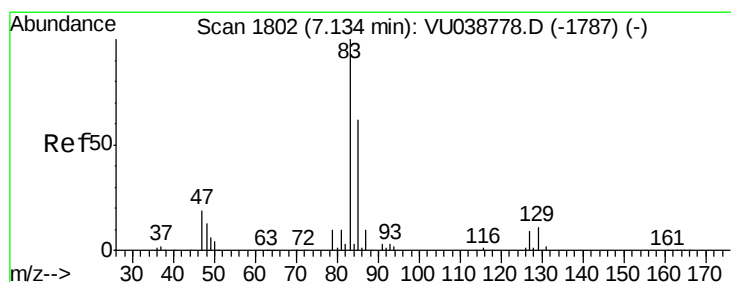
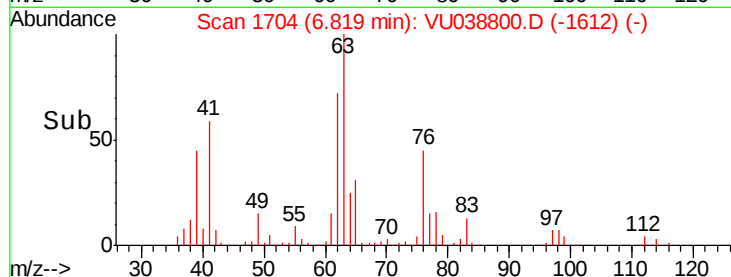
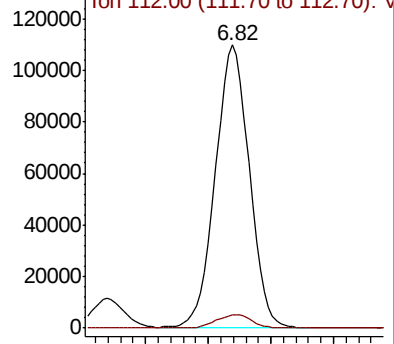
Ion Ratio Lower Upper

63 100

112 4.8 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VU038778.D (-1687) (-)



#38

Bromodichloromethane

Concen: 50.040 ug/L

RT: 7.13 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

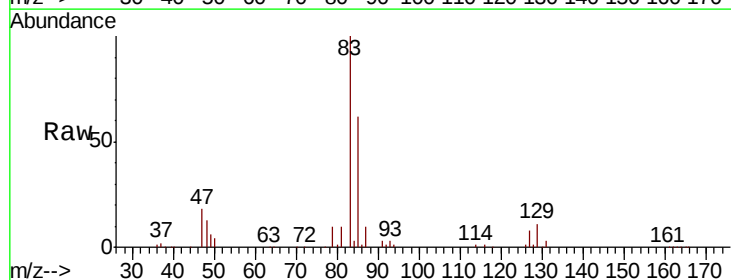
Tgt Ion: 83 Resp: 277819

Ion Ratio Lower Upper

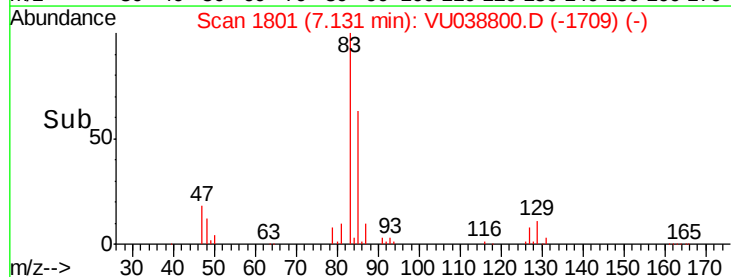
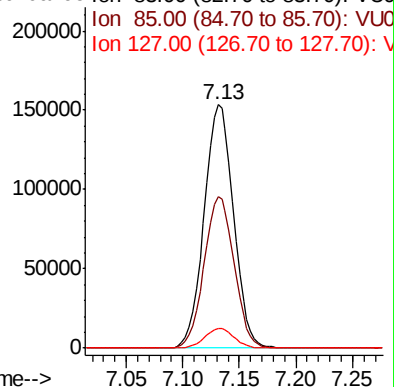
83 100

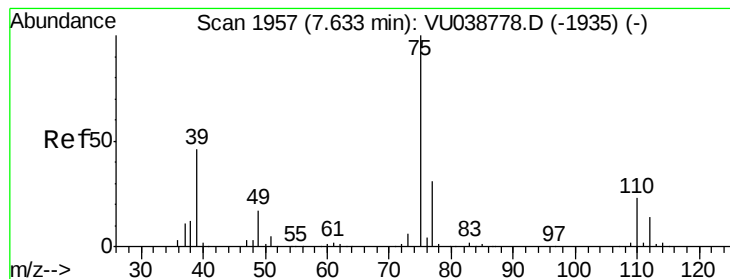
85 62.4 45.1 83.9

127 7.8 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VU038778.D (-1787) (-)



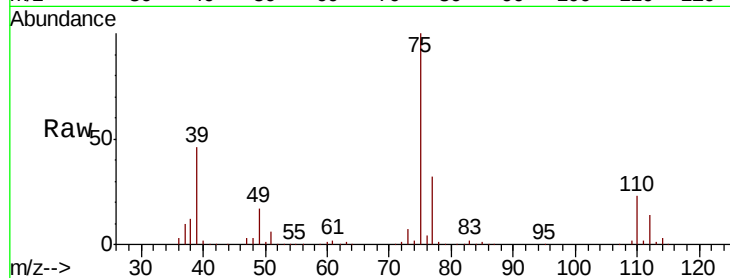


#39

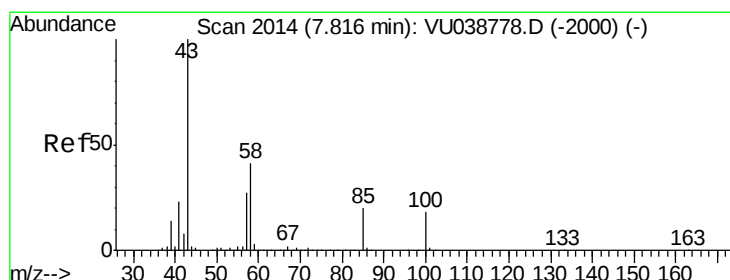
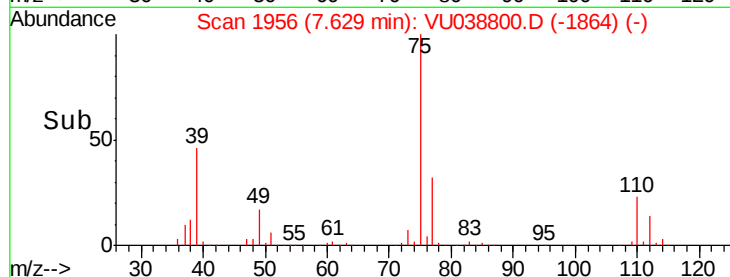
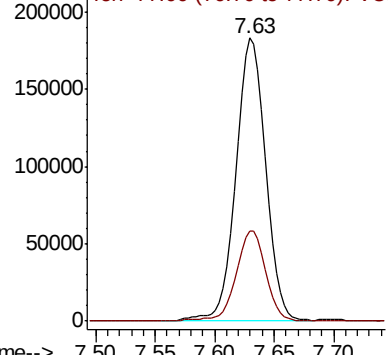
cis-1,3-Dichloropropene
Concen: 47.604 ug/L
RT: 7.63 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VU038800.D
Acq: 11 Jun 2020 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

Tot Ion: 75 Resp: 317954
Ion Ratio Lower Upper
75 100
77 31.9 22.2 41.2



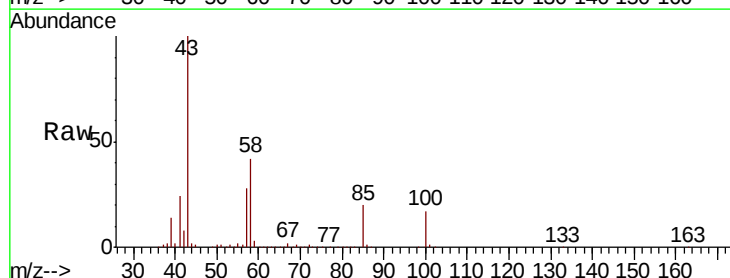
Abundance Ion 75.00 (74.70 to 75.70): VU038778.D (-1935) (-)
Ion 77.00 (76.70 to 77.70): VU038778.D (-1935) (-)



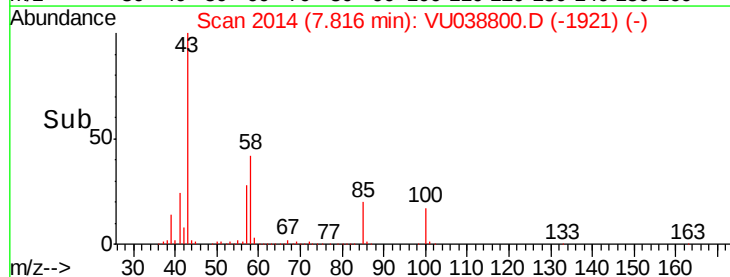
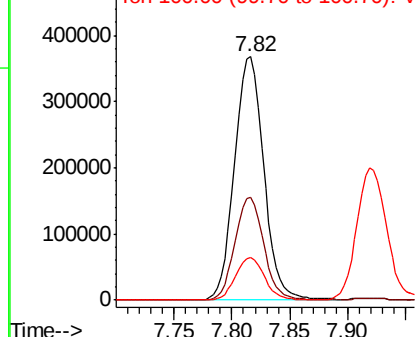
#40

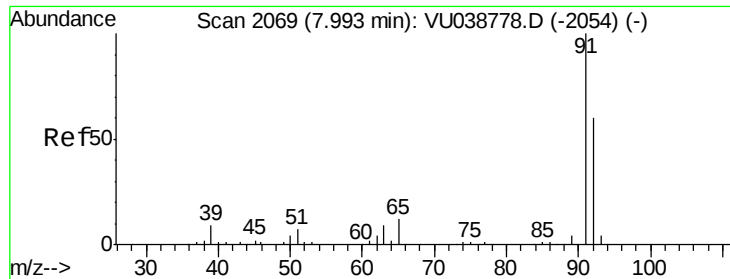
4-Methyl-2-pentanone
Concen: 95.500 ug/L
RT: 7.82 min Scan# 2014
Delta R.T. 0.00 min
Lab File: VU038800.D
Acq: 11 Jun 2020 00:49

Tgt Ion: 43 Resp: 646594
Ion Ratio Lower Upper
43 100
58 41.5 33.0 49.4
100 17.2 13.4 20.0



Abundance Ion 43.00 (42.70 to 43.70): VU038778.D (-2000) (-)
Ion 58.00 (57.70 to 58.70): VU038778.D (-2000) (-)
Ion 100.00 (99.70 to 100.70): VU038778.D (-2000) (-)





#42

Toluene

Concen: 49.674 ug/L

RT: 7.99 min Scan# 2068

Delta R.T. -0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

Instrument :

MSVOA_U

ClientSampleId :

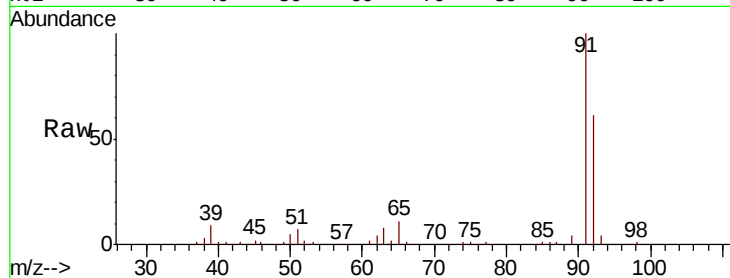
VSTD05050

Tot Ion: 91 Resp: 863211

Ion Ratio Lower Upper

91 100

92 60.7 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU038778.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU038778.D (-2054) (-)

7.99

500000

400000

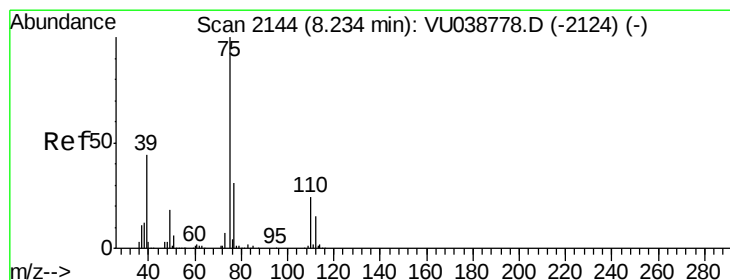
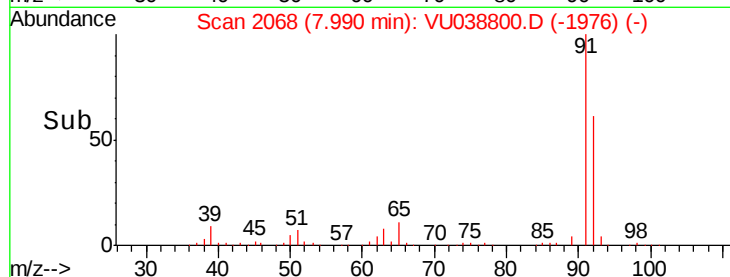
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.216 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038800.D

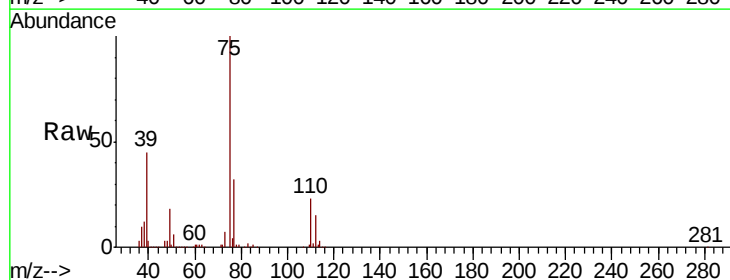
Acq: 11 Jun 2020 00:49

Tgt Ion: 75 Resp: 308469

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU038778.D (-2124) (-)

Ion 77.00 (76.70 to 77.70): VU038778.D (-2124) (-)

8.23

200000

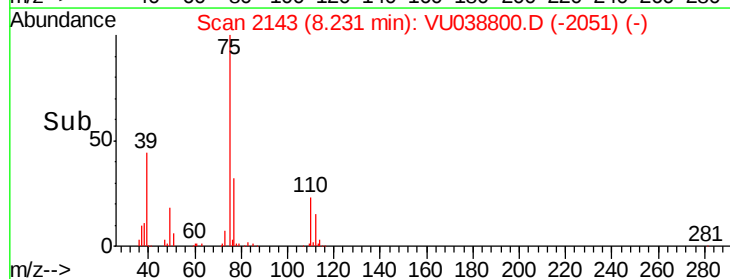
150000

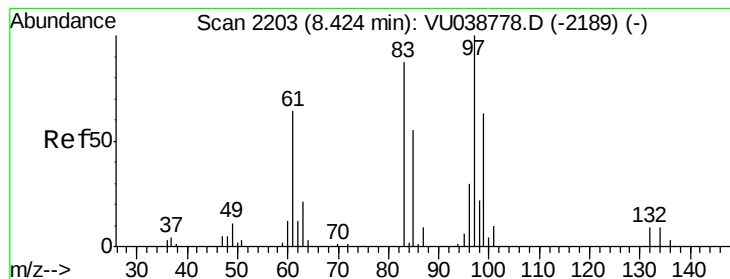
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 48.942 ug/L

RT: 8.42 min Scan# 2202

Delta R.T. -0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

Tot Ion: 97 Resp: 204011

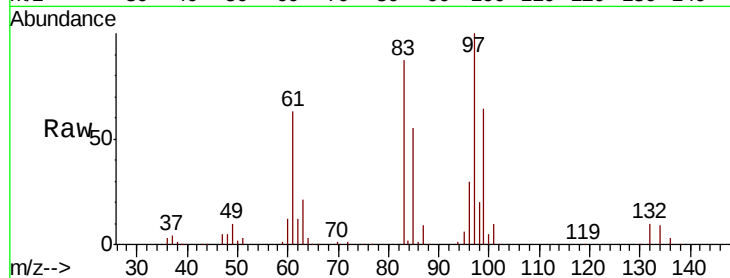
Ion Ratio Lower Upper

97 100

99 64.1 43.6 81.0

83 87.1 60.0 111.4

85 55.0 38.4 71.2

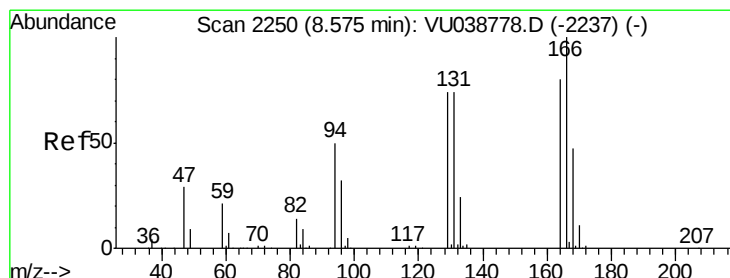
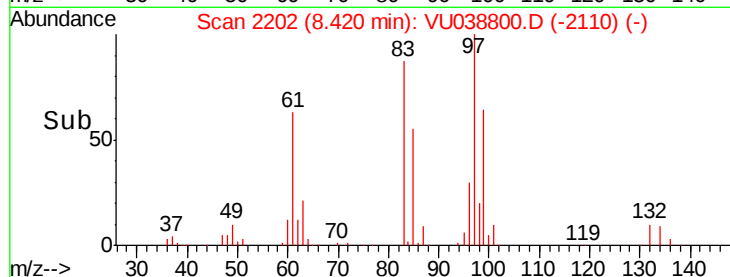
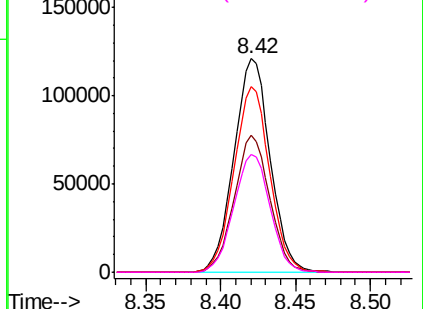


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 49.226 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

Tgt Ion: 164 Resp: 150115

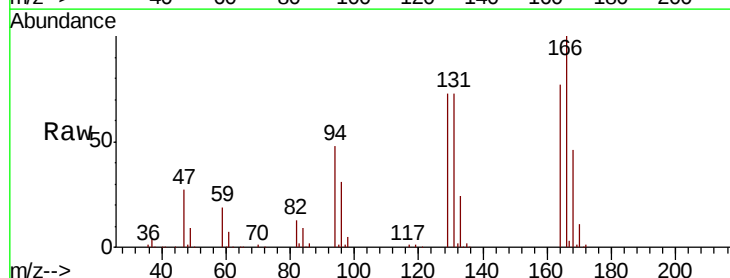
Ion Ratio Lower Upper

164 100

129 94.8 67.2 124.8

131 94.5 65.5 121.6

166 130.1 90.4 168.0

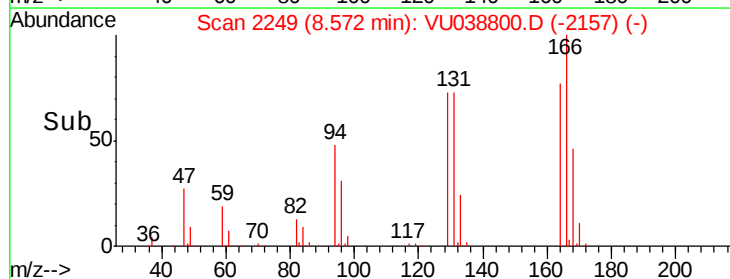
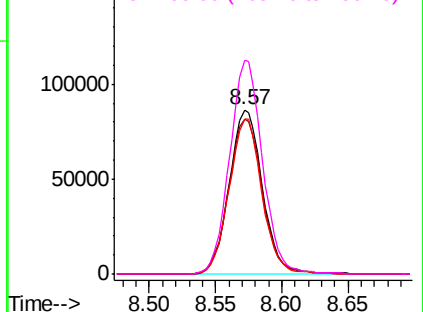


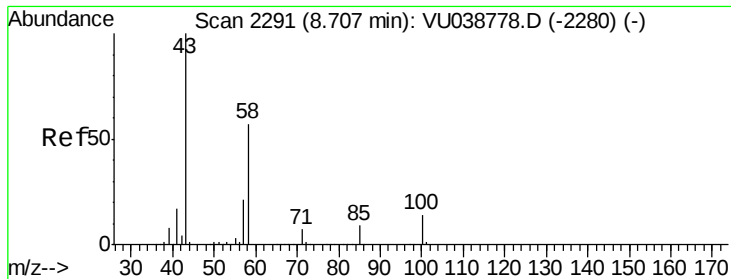
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

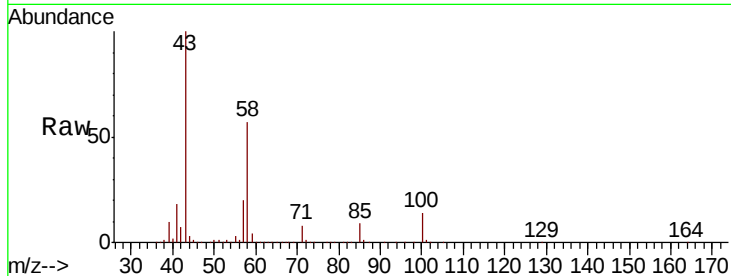




#48
2-Hexanone
Concen: 98.993 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU038800.D
Acq: 11 Jun 2020 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

Tot Ion	43	Resp	554047
Ion Ratio	Lower	Upper	
43	100		
58	56.5	46.2	69.4
57	20.2	16.6	24.8
100	13.7	10.6	16.0



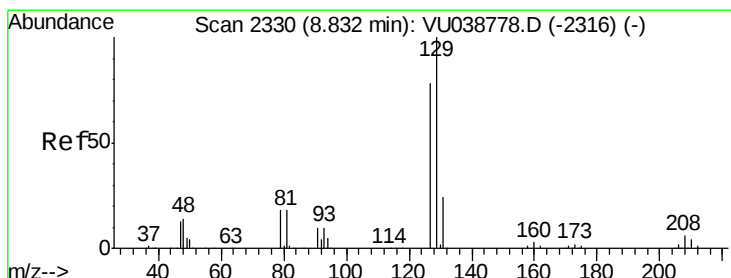
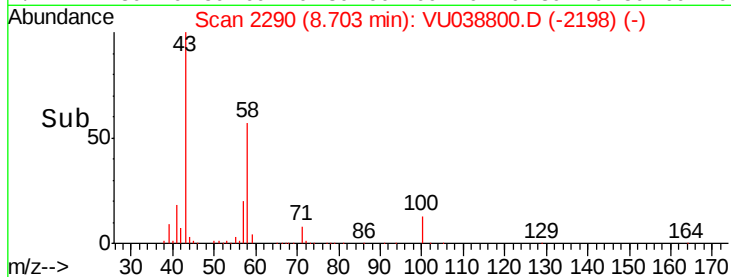
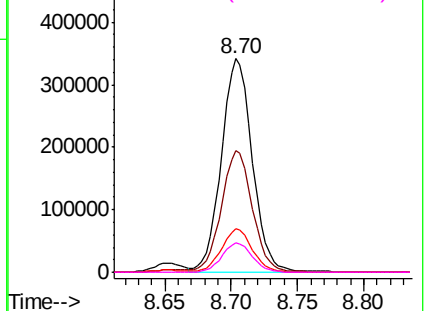
Abundance

Ion 43.00 (42.70 to 43.70): VU038778.D (-2280) (-)

Ion 58.00 (57.70 to 58.70): VU038778.D (-2280) (-)

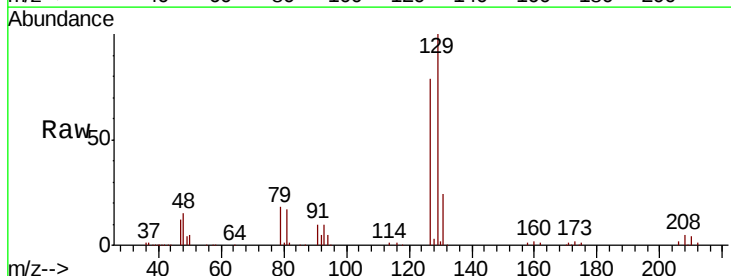
Ion 57.00 (56.70 to 57.70): VU038778.D (-2280) (-)

Ion 100.00 (99.70 to 100.70): VU038778.D (-2280) (-)



#49
Dibromochloromethane
Concen: 49.349 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU038800.D
Acq: 11 Jun 2020 00:49

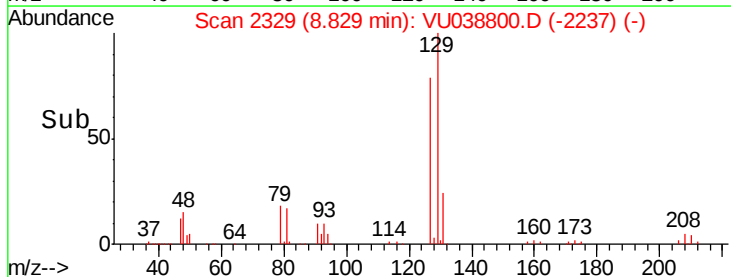
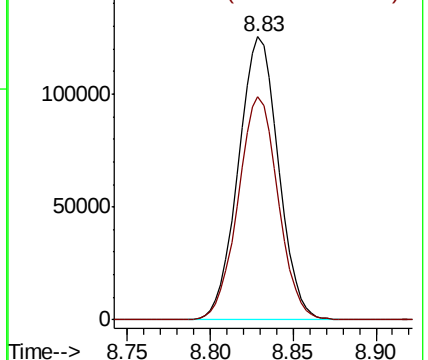
Tgt Ion	129	Resp	211261
Ion Ratio	Lower	Upper	
129	100		
127	78.9	55.8	103.6

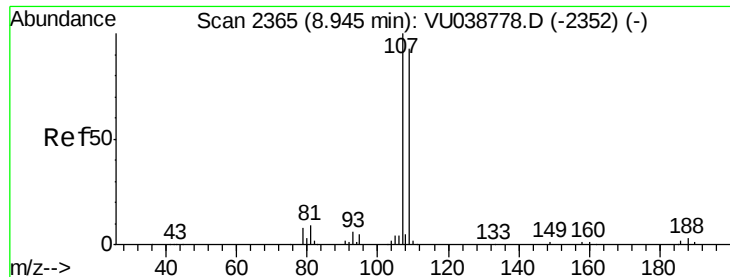


Abundance

Ion 129.00 (128.70 to 129.70): VU038778.D (-2316) (-)

Ion 127.00 (126.70 to 127.70): VU038778.D (-2316) (-)

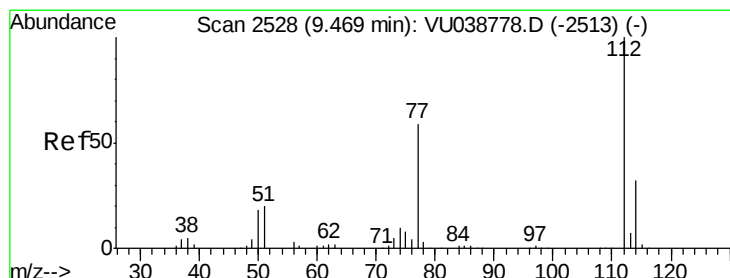
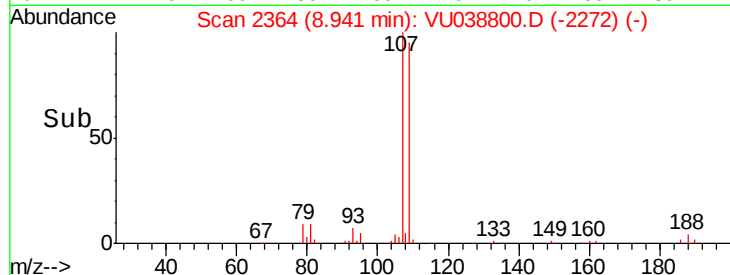
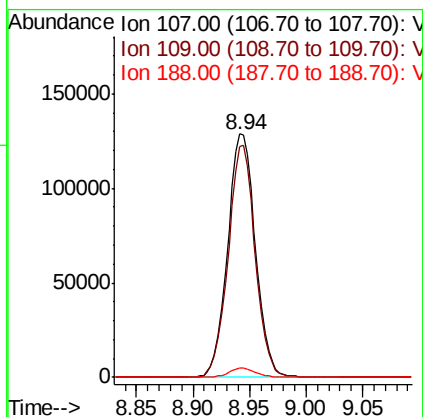
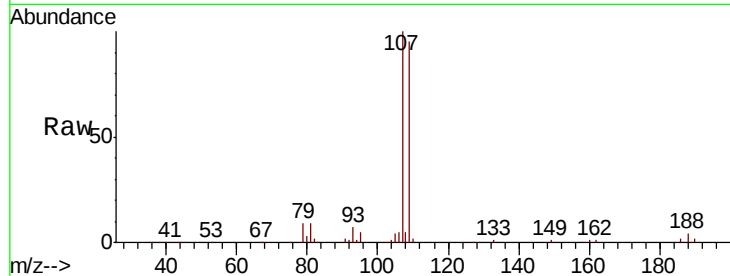




#50
 1,2-Dibromoethane
 Concen: 49.143 ug/L
 RT: 8.94 min Scan# 2364
 Delta R.T. -0.00 min
 Lab File: VU038800.D
 Acq: 11 Jun 2020 00:49

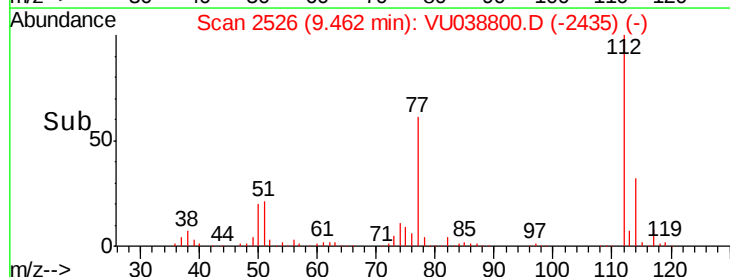
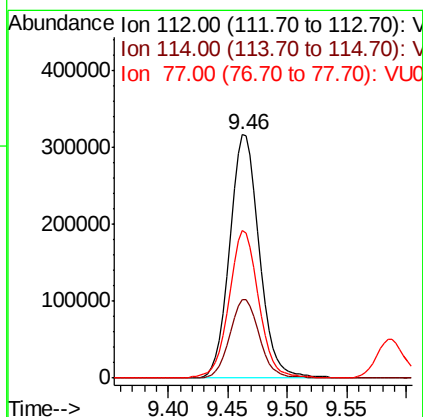
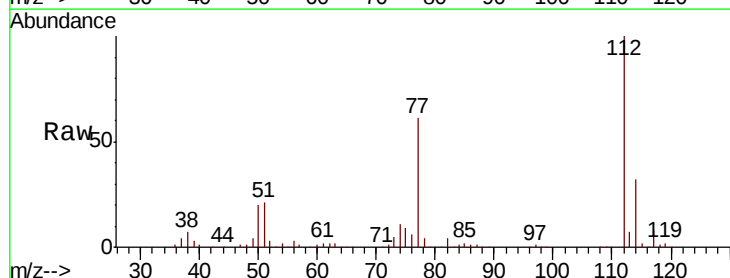
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

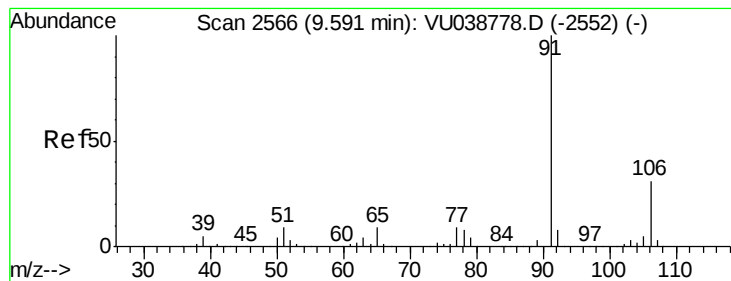
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	65.9	122.5
188	3.6	2.9	4.3



#51
 Chlorobenzene
 Concen: 48.936 ug/L
 RT: 9.46 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: VU038800.D
 Acq: 11 Jun 2020 00:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.2	41.2
77	60.8	47.9	71.9





#52

Ethylbenzene

Concen: 49.601 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

Instrument :

MSVOA_U

ClientSampleId :

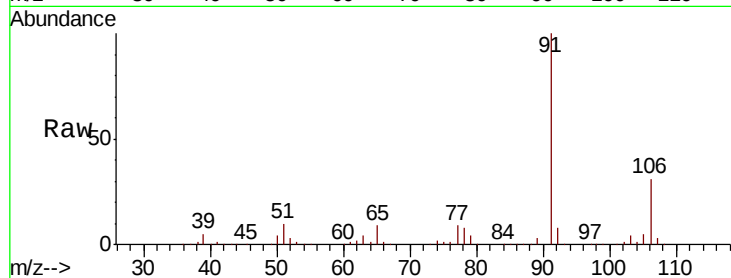
VSTD05050

Tot Ion: 91 Resp: 951281

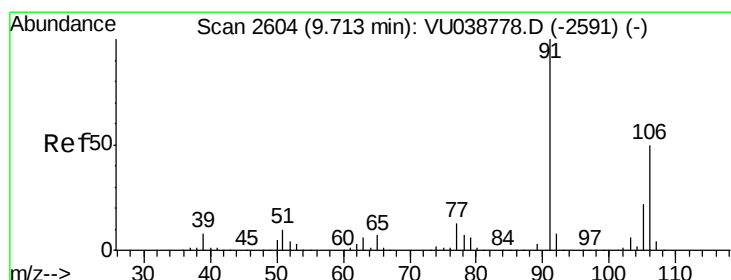
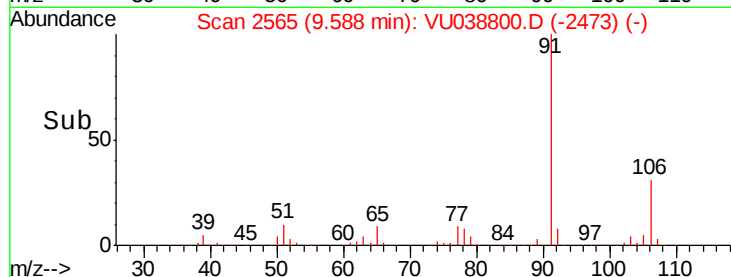
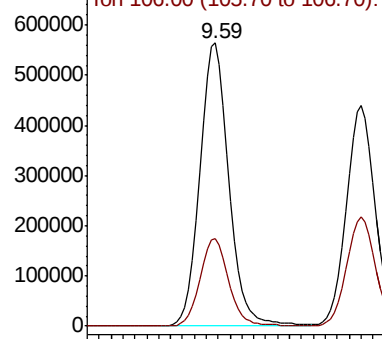
Ion Ratio Lower Upper

91 100

106 31.0 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU038778.D (-2552) (-)



#53

m,p-Xylene

Concen: 50.380 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038800.D

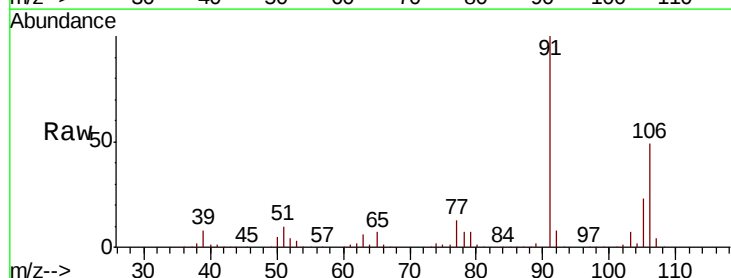
Acq: 11 Jun 2020 00:49

Tgt Ion: 106 Resp: 370899

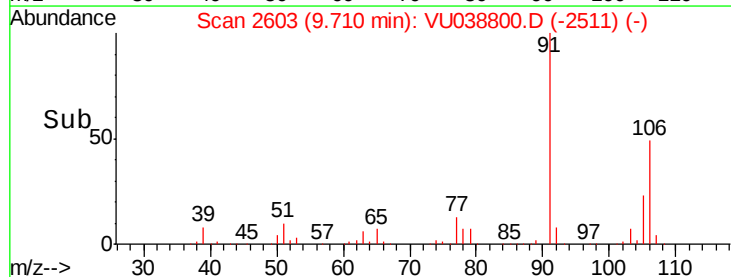
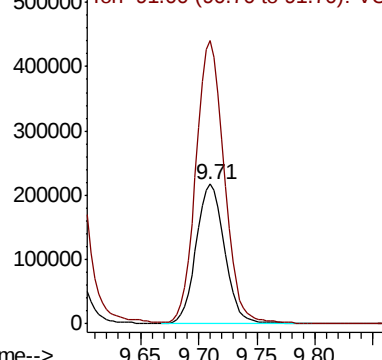
Ion Ratio Lower Upper

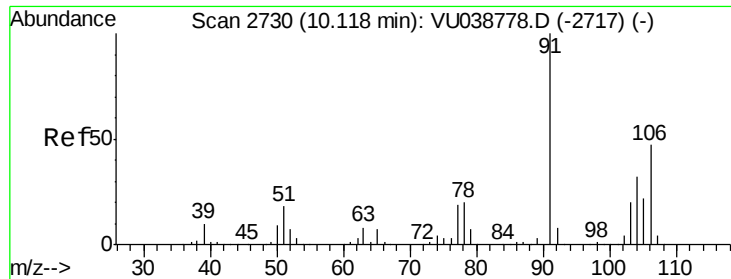
106 100

91 202.6 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): VU038778.D (-2591) (-)





#54

o-xylene

Concen: 50.001 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

Instrument :

MSVOA_U

ClientSampleId :

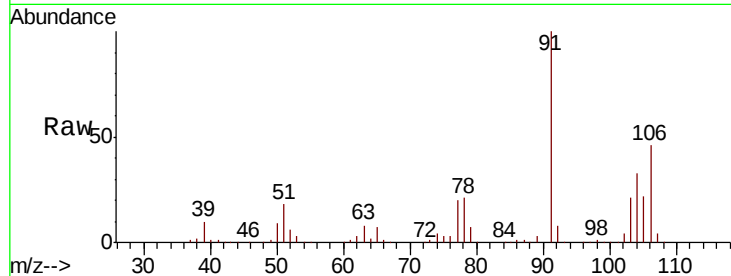
VSTD05050

Tot Ion:106 Resp: 357356

Ion Ratio Lower Upper

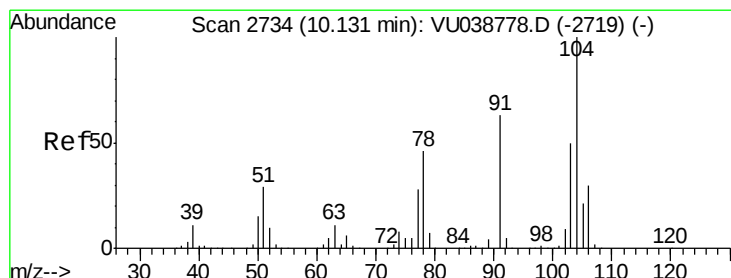
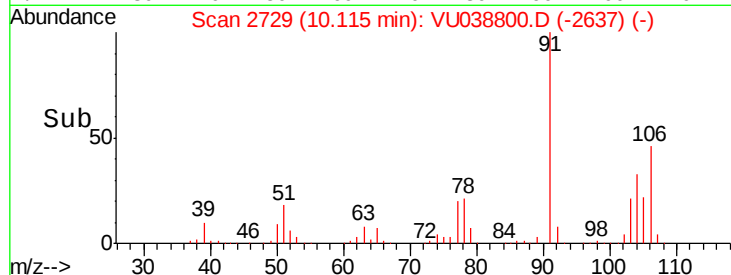
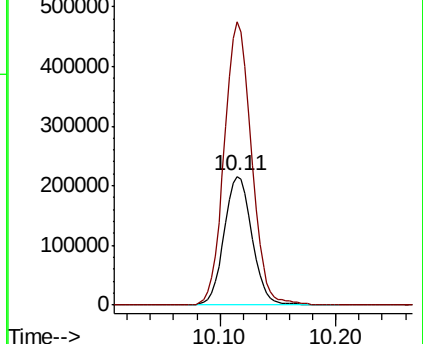
106 100

91 219.4 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.421 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU038800.D

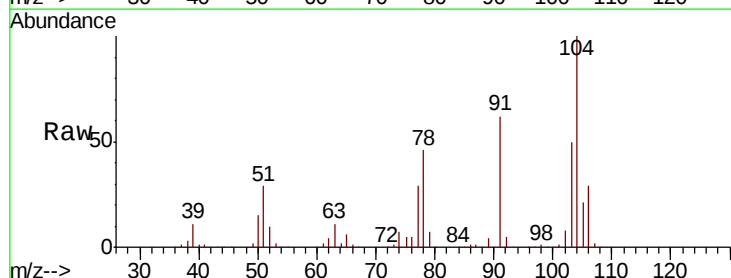
Acq: 11 Jun 2020 00:49

Tgt Ion:104 Resp: 624700

Ion Ratio Lower Upper

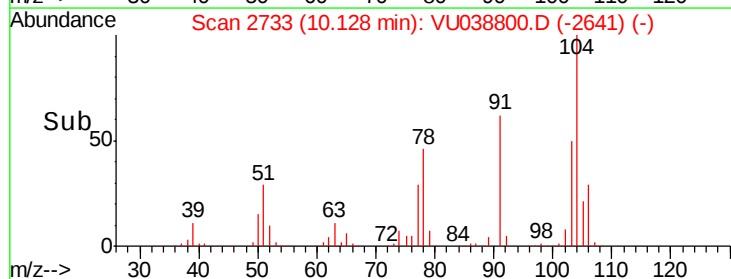
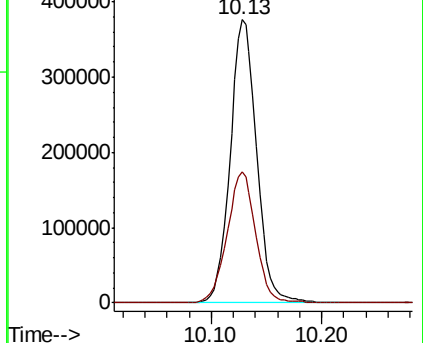
104 100

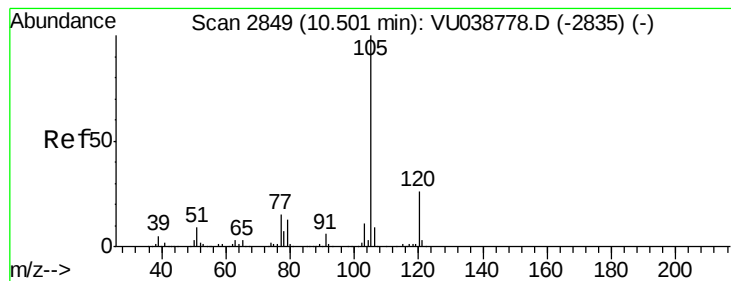
78 46.5 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 49.878 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

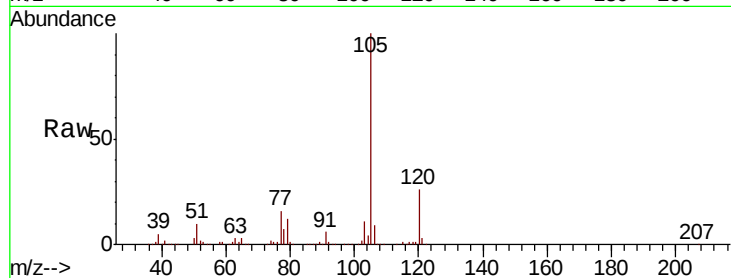
Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

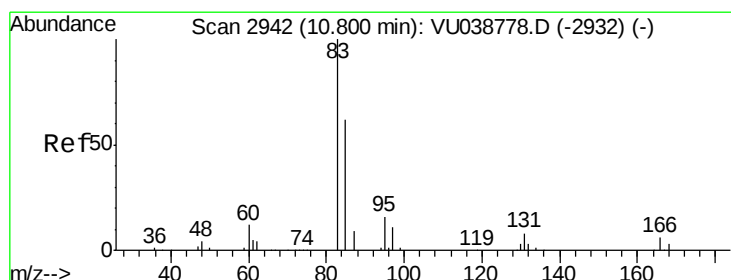
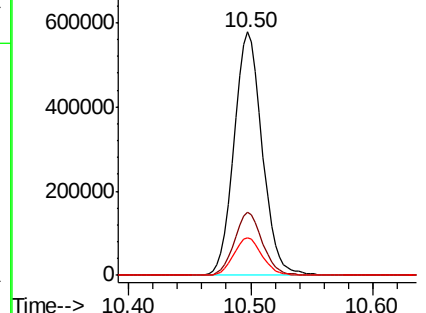
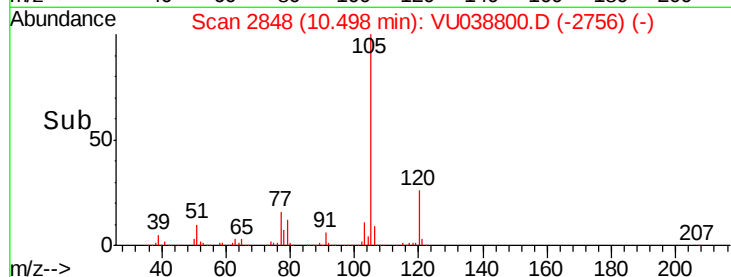
Tot Ion:	105	Resp:	930367
Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.9	31.3
77	15.7	12.6	19.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.358 ug/L

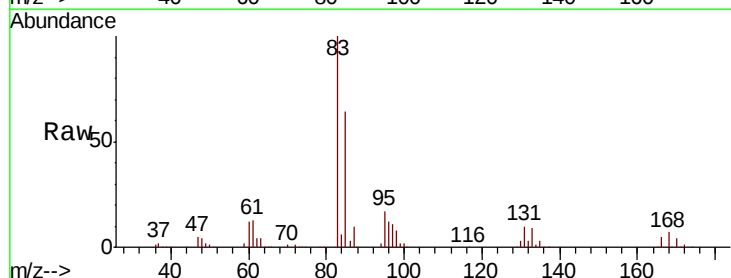
RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

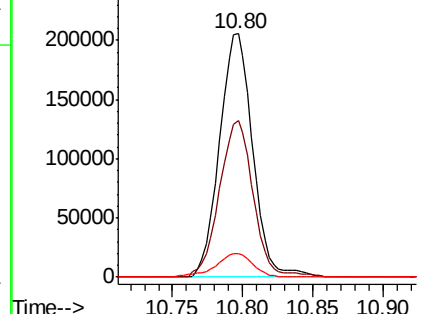
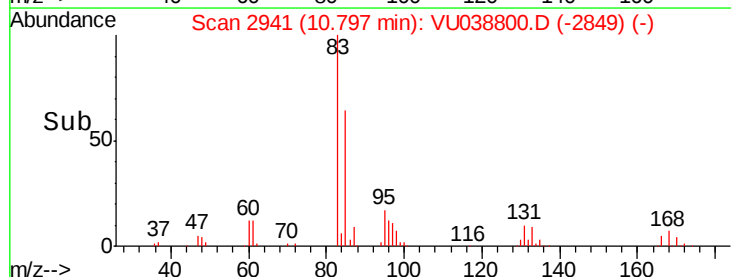
Tgt Ion:	83	Resp:	335968
Ion	Ratio	Lower	Upper
83	100		
85	64.1	45.3	84.1
131	9.9	7.2	10.8

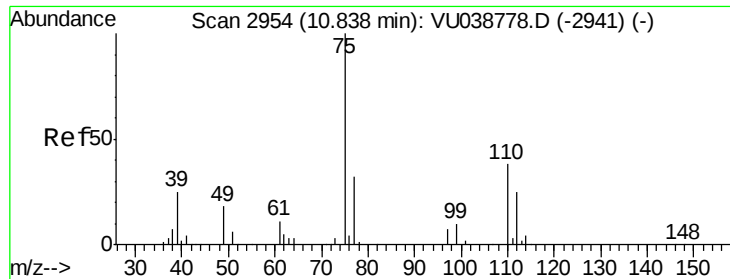


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.895 ug/L

RT: 10.84 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

Instrument :

MSVOA_U

ClientSampleId :

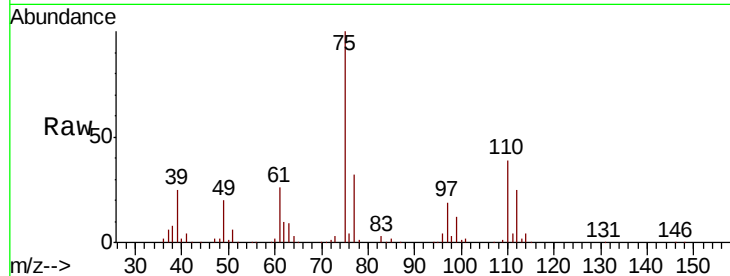
VSTD05050

Tot Ion: 75 Resp: 296915

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.84

200000

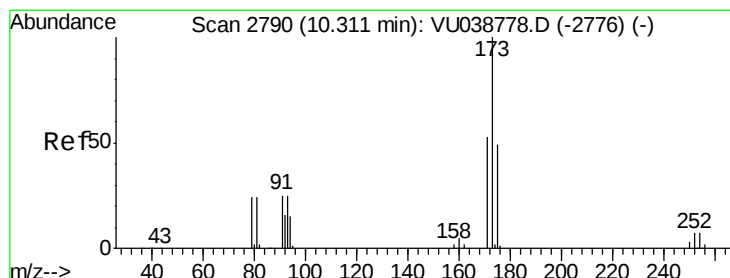
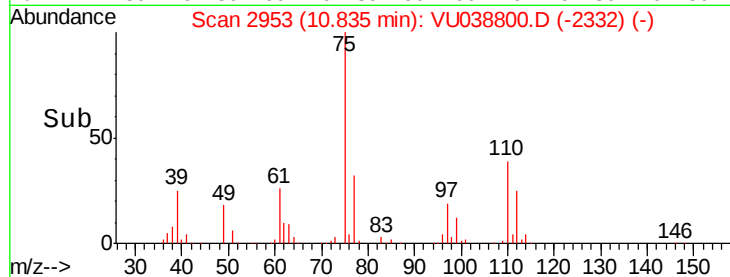
150000

100000

50000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 48.658 ug/L

RT: 10.30 min Scan# 2788

Delta R.T. -0.01 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

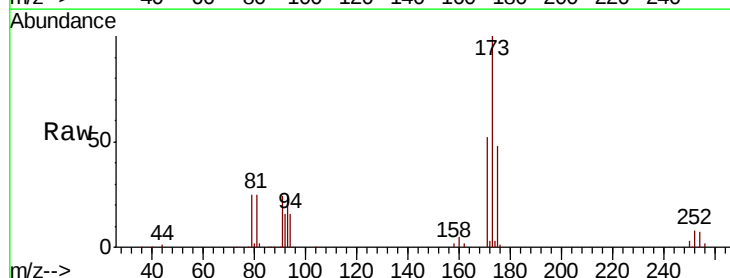
Tgt Ion: 173 Resp: 153951

Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

254 6.9 5.8 8.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

10.30

120000

100000

80000

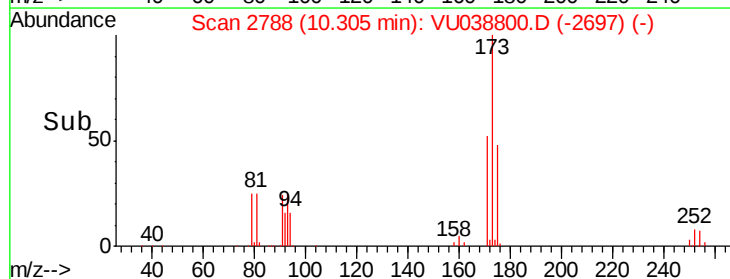
60000

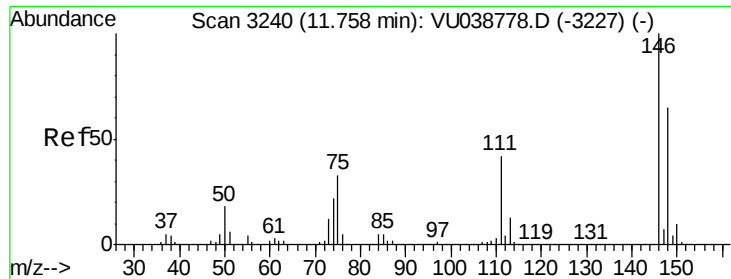
40000

20000

0

Time--> 10.30 10.40





#62

1,3-Dichlorobenzene

Concen: 48.035 ug/L

RT: 11.75 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

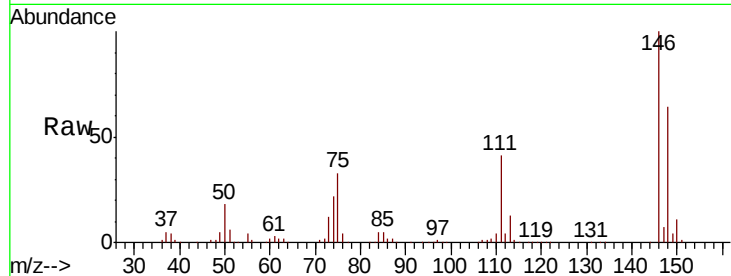
Tot Ion:146 Resp: 427674

Ion Ratio Lower Upper

146 100

111 40.7 29.2 54.2

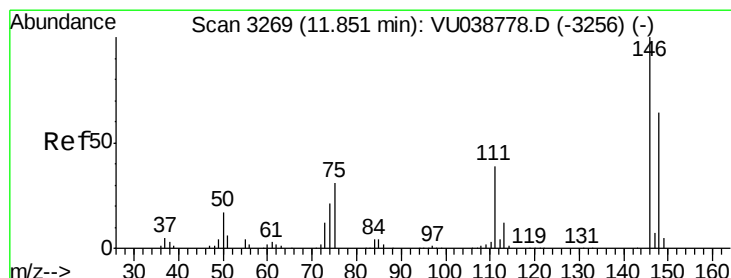
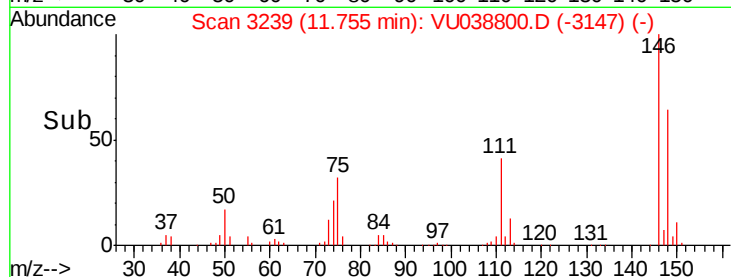
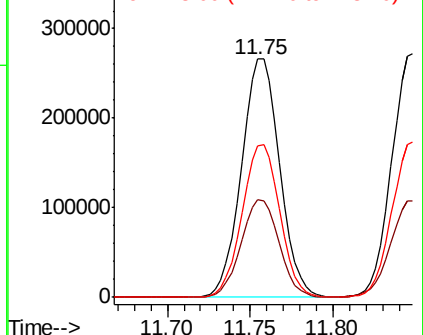
148 63.7 45.2 84.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 47.541 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

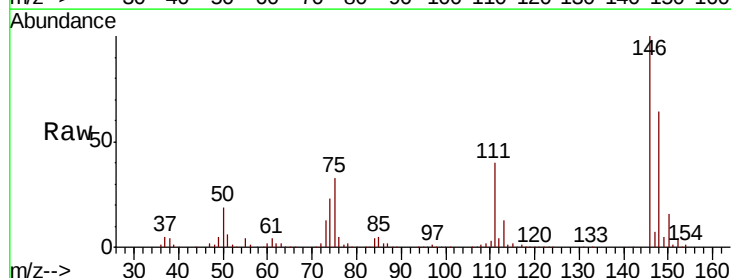
Tgt Ion:146 Resp: 428602

Ion Ratio Lower Upper

146 100

111 39.7 27.6 51.4

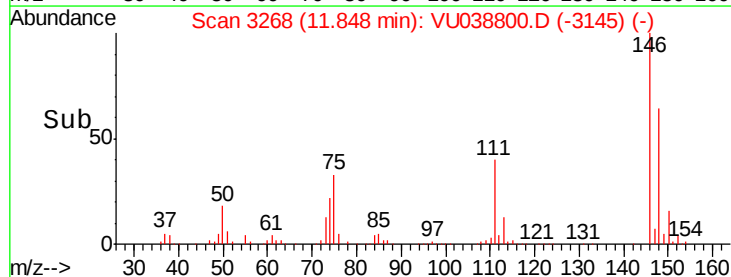
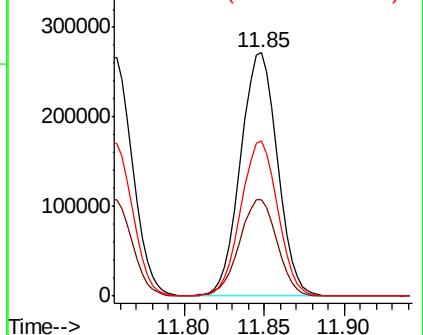
148 63.9 44.3 82.3

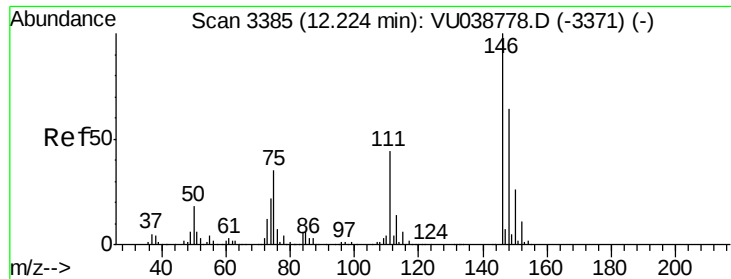


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

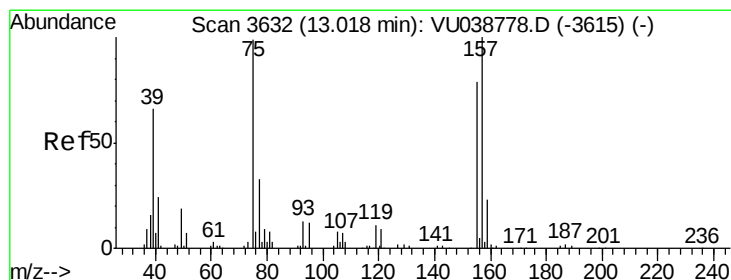
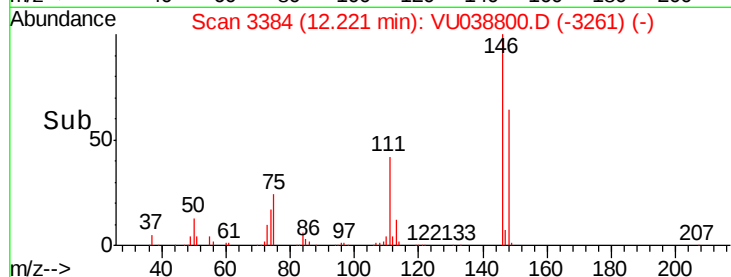
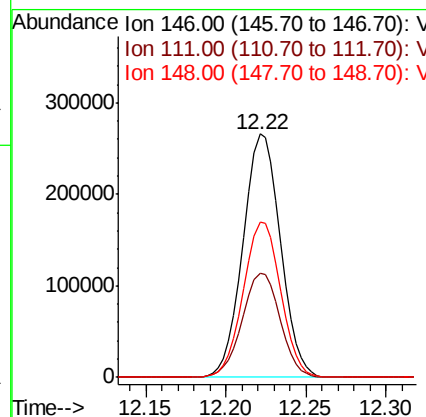
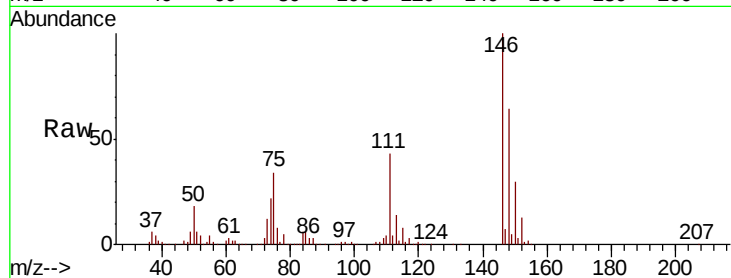




#65
 1,2-Dichlorobenzene
 Concen: 47.819 ug/L
 RT: 12.22 min Scan# 3384
 Delta R.T. -0.00 min
 Lab File: VU038800.D
 Acq: 11 Jun 2020 00:49

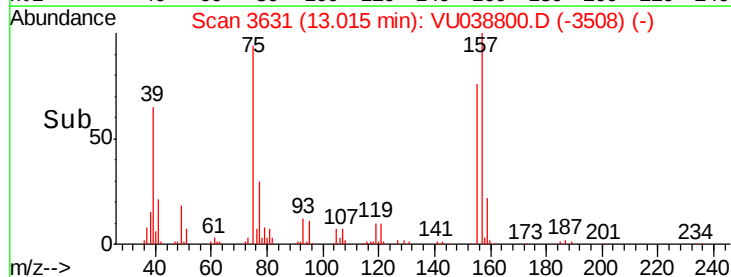
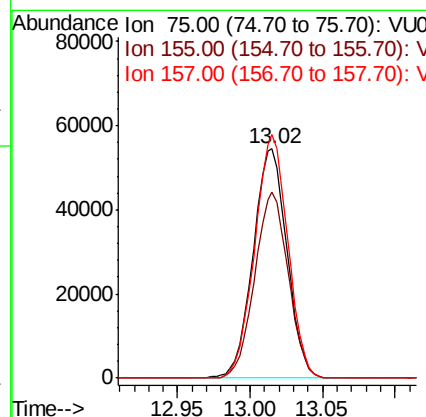
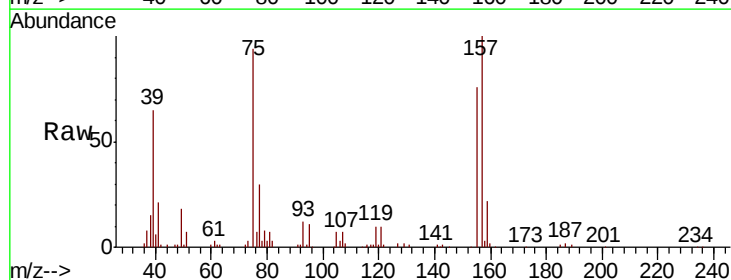
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

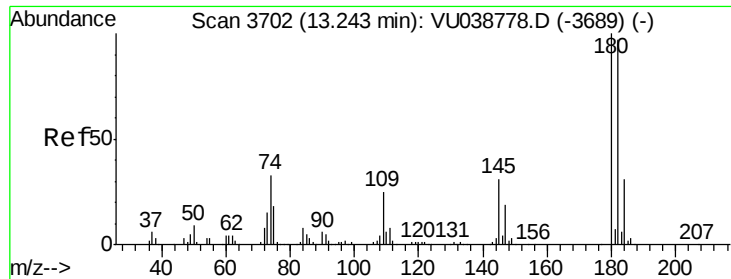
Tot Ion:146 Resp: 423743
 Ion Ratio Lower Upper
 146 100
 111 42.9 34.8 52.2
 148 63.7 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.362 ug/L
 RT: 13.02 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU038800.D
 Acq: 11 Jun 2020 00:49

Tgt Ion: 75 Resp: 88811
 Ion Ratio Lower Upper
 75 100
 155 81.2 63.8 95.6
 157 106.2 80.2 120.2

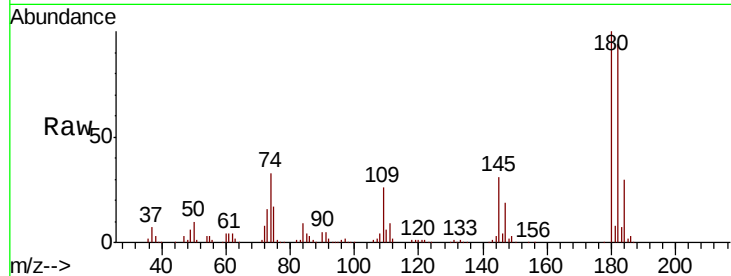




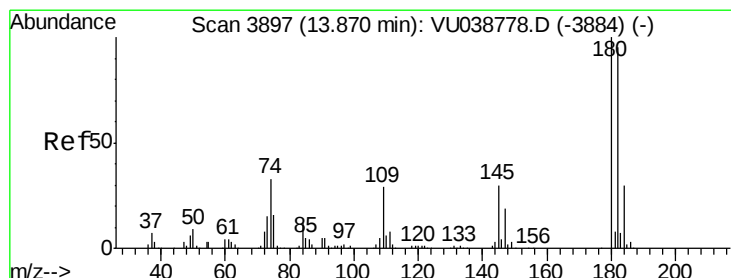
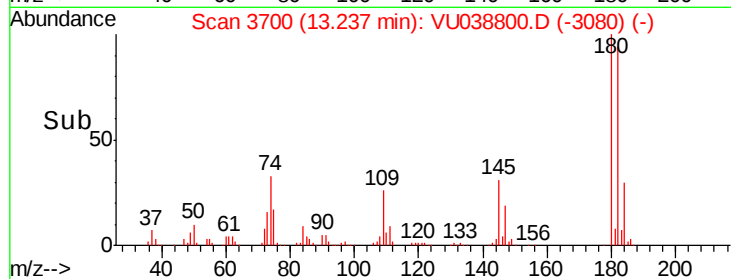
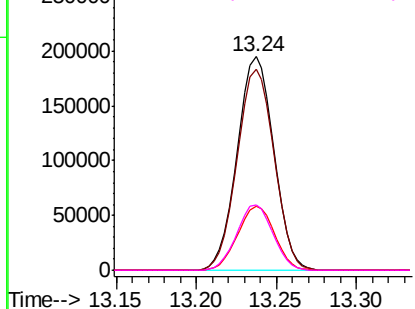
#67
 1,3,5-Trichlorobenzene
 Concen: 47.376 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.01 min
 Lab File: VU038800.D
 Acq: 11 Jun 2020 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Tot Ion:180	Resp:	303005
Ion	Ratio	Lower Upper
180	100	
182	95.3	76.6 114.8
184	30.3	24.7 37.1
145	30.5	24.7 37.1

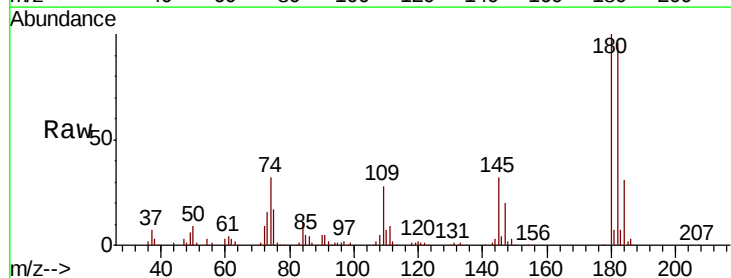


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

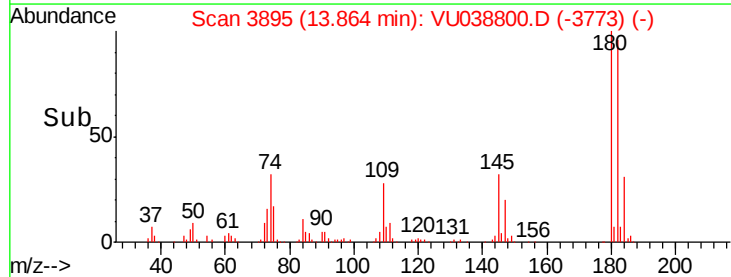
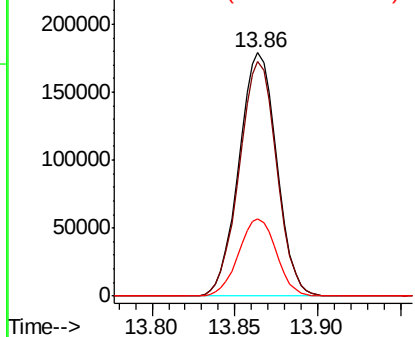


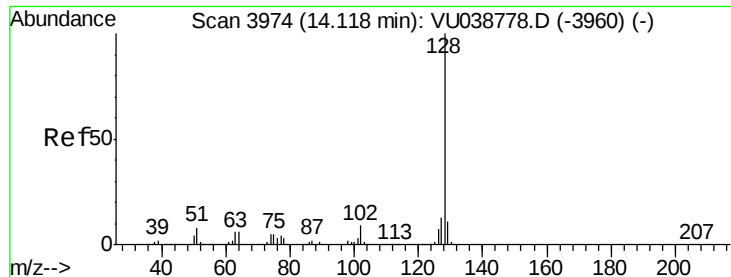
#68
 1,2,4-trichlorobenzene
 Concen: 46.972 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU038800.D
 Acq: 11 Jun 2020 00:49

Tgt Ion:180	Resp:	283218
Ion	Ratio	Lower Upper
180	100	
182	95.6	76.8 115.2
145	31.8	25.4 38.2



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





#69

Naphthalene

Concen: 49.441 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

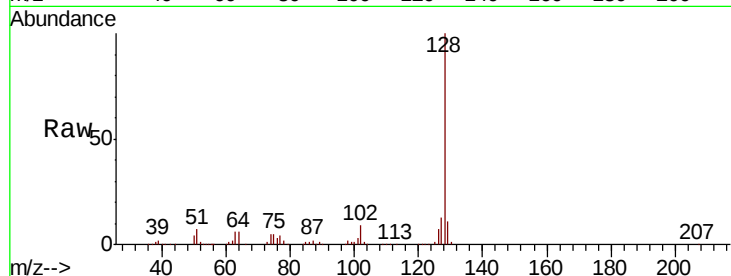
Tot Ion:128 Resp: 1053854

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

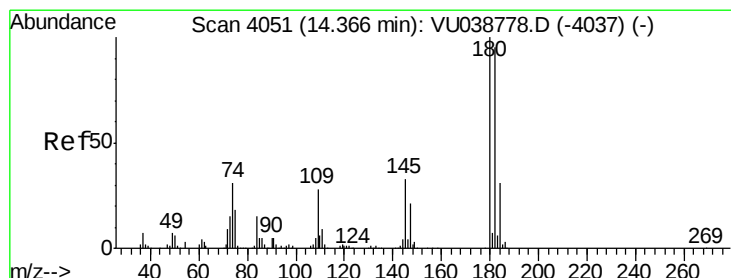
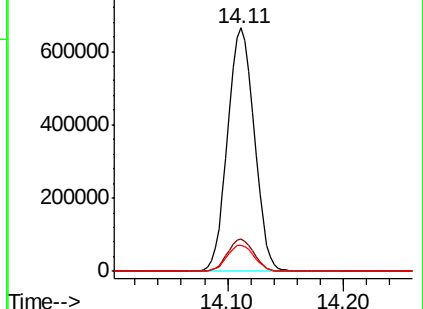
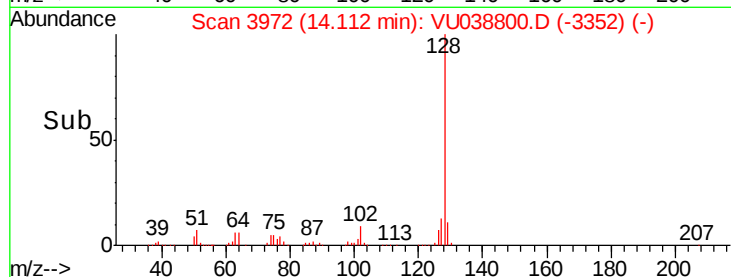
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.579 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.01 min

Lab File: VU038800.D

Acq: 11 Jun 2020 00:49

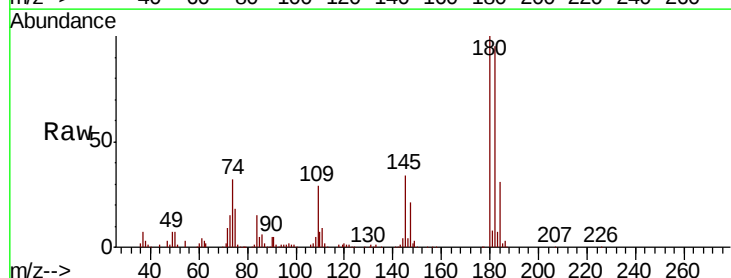
Tgt Ion:180 Resp: 293867

Ion Ratio Lower Upper

180 100

182 95.6 75.9 113.9

145 34.1 26.4 39.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

