

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038778.D
 Acq On : 10 Jun 2020 14:47
 Operator : SY/MD
 Sample : VSTDCCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Jun 11 03:41:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 00:28:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	614247	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	605186	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	311355	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	127169	37.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.12%
7) Chloroethane-d5	1.93	69	105495	39.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.26%
11) 1,1-Dichloroethene-d2	2.59	63	316498	42.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.64%
21) 2-Butanone-d5	4.66	46	296826	88.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.90%
24) Chloroform-d	5.10	84	324176	43.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.62%
26) 1,2-Dichloroethane-d4	5.74	65	206141	42.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.06%
32) Benzene-d6	5.76	84	620959	42.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.72	67	191626	42.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.30%
41) Toluene-d8	7.92	98	560545	42.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.10%
43) trans-1,3-Dichloropropene-	8.20	79	97574	43.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.28%
47) 2-Hexanone-d5	8.66	63	205577	85.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.96%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	285423	42.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.18%
64) 1,2-Dichlorobenzene-d4	12.20	152	234459	43.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	235655	48.448	ug/L 99
3) Chloromethane	1.53	50	193826	41.307	ug/L 99
5) Vinyl chloride	1.62	62	219755	44.717	ug/L 99
6) Bromomethane	1.87	94	110447	43.153	ug/L 99
8) Chloroethane	1.95	64	132398	46.054	ug/L 98
9) Trichlorofluoromethane	2.16	101	330685	48.862	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	198675	50.364	ug/L 99
12) 1,1-Dichloroethene	2.60	96	182503	46.941	ug/L 98
13) Acetone	2.66	43	298571	110.975	ug/L 97
14) Carbon disulfide	2.82	76	586534	46.588	ug/L 99
15) Methyl Acetate	2.98	43	248839	44.259	ug/L 99
16) Methylene chloride	3.08	84	210402	45.580	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	196904	46.281	ug/L 99
18) Methyl tert-butyl Ether	3.40	73	627368	45.606	ug/L 99
19) 1,1-Dichloroethane	3.91	63	360977	44.777	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	213015	45.293	ug/L 97
22) 2-Butanone	4.75	43	396667	96.140	ug/L 99

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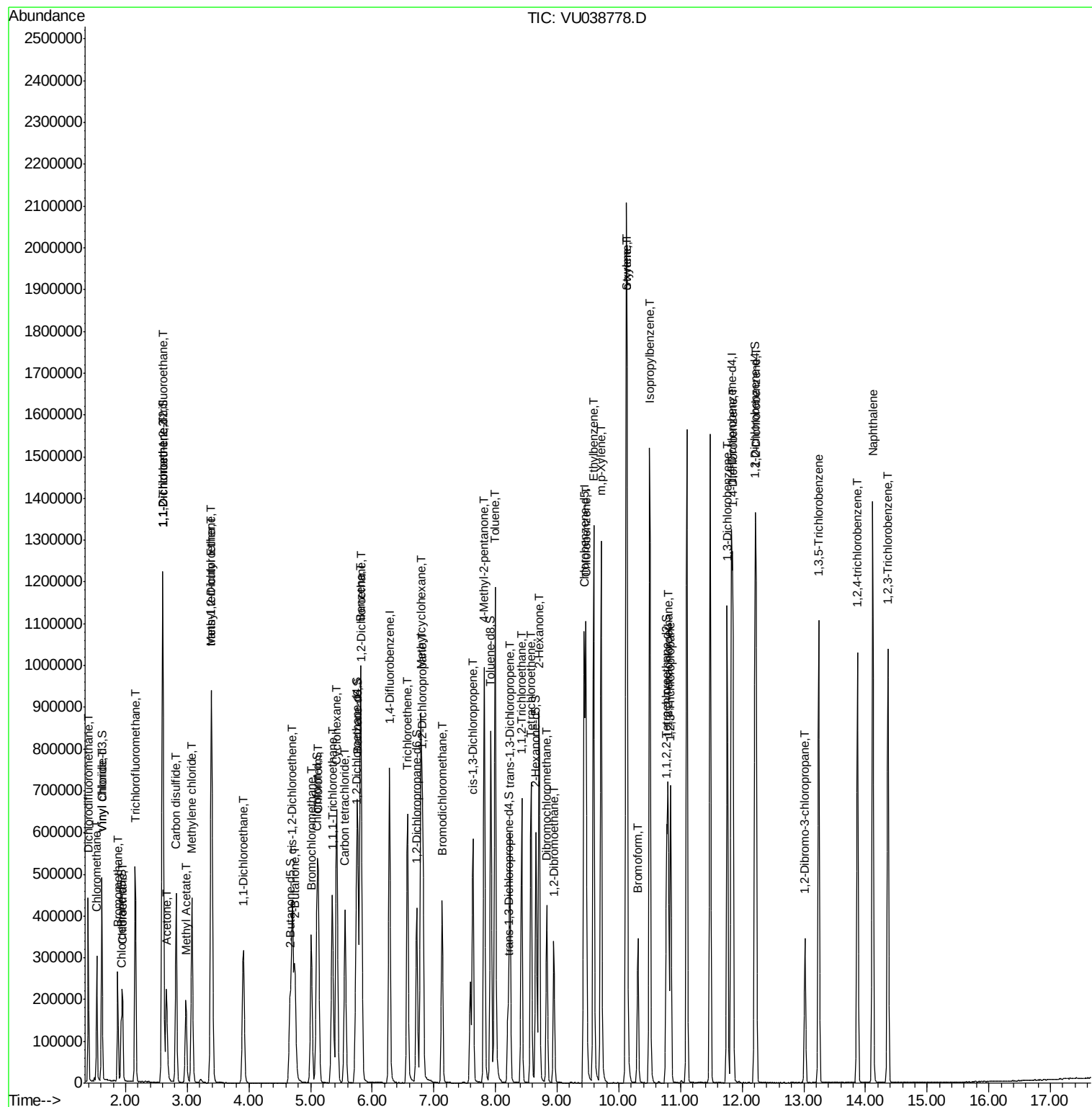
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	108147	46.426	ug/L	98
25) Chloroform	5.12	83	375230	46.507	ug/L	97
27) 1,2-Dichloroethane	5.83	62	309832	46.420	ug/L	99
29) Cyclohexane	5.42	56	329912	47.649	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	332889	46.814	ug/L	99
31) Carbon tetrachloride	5.56	117	284080	48.258	ug/L	99
33) Benzene	5.81	78	830167	46.194	ug/L	100
34) Trichloroethene	6.57	95	213246	46.655	ug/L	98
35) Methylcyclohexane	6.79	83	337056	48.897	ug/L	99
37) 1,2-Dichloropropane	6.82	63	212919	45.466	ug/L	99
38) Bromodichloromethane	7.13	83	281399	46.873	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	336823	46.636	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	634193	86.624	ug/L	99
42) Toluene	7.99	91	895467	47.654	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	323468	46.758	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	203980	45.254	ug/L	99
46) Tetrachloroethene	8.57	164	162569	49.301	ug/L	97
48) 2-Hexanone	8.71	43	545508	90.137	ug/L	99
49) Dibromochloromethane	8.83	129	216157	46.695	ug/L	99
50) 1,2-Dibromoethane	8.94	107	219286	45.262	ug/L	99
51) Chlorobenzene	9.47	112	563981	46.718	ug/L	100
52) Ethylbenzene	9.59	91	994156	47.938	ug/L	100
53) m,p-Xylene	9.71	106	388935	48.856	ug/L	99
54) o-xylene	10.12	106	372949	48.258	ug/L	98
55) Styrene	10.13	104	647544	48.334	ug/L	98
56) Isopropylbenzene	10.50	105	988028	48.985	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	336493	43.865	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	296084	45.091	ug/L	99
61) Bromoform	10.31	173	154728	45.309	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	443524	46.154	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	451276	46.376	ug/L	100
65) 1,2-Dichlorobenzene	12.22	146	441903	46.203	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	88544	44.673	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	326301	47.268	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	306221	47.054	ug/L	98
69) Naphthalene	14.12	128	1078514	46.878	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	306389	46.927	ug/L	99

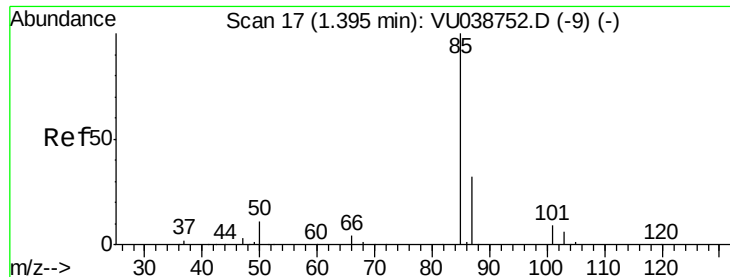
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU038778.D
Acq On : 10 Jun 2020 14:47
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Sample : VSTD0000050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

Quant Time: Jun 11 03:41:07 2020
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#2

Dichlorodifluoromethane

Concen: 48.448 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

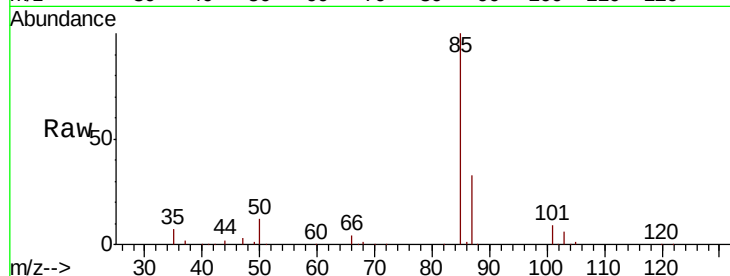
VSTD05049

Tot Ion: 85 Resp: 235655

Ion Ratio Lower Upper

85 100

87 32.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU038778.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038778.D (-1) (-)

1.39

250000

200000

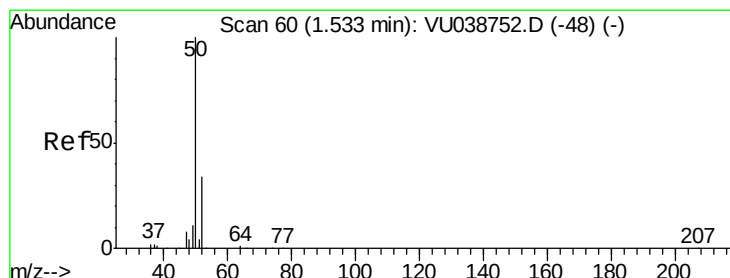
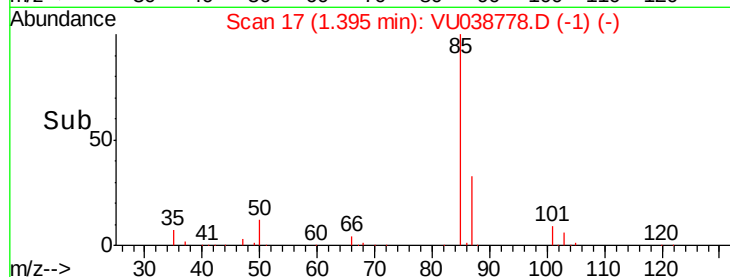
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 41.307 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038778.D

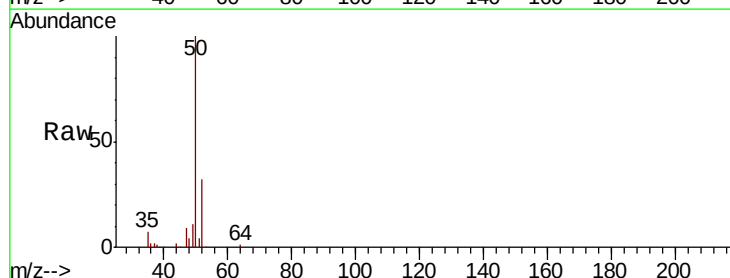
Acq: 10 Jun 2020 14:47

Tgt Ion: 50 Resp: 193826

Ion Ratio Lower Upper

50 100

52 32.4 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU038778.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU038778.D (-1) (-)

1.53

200000

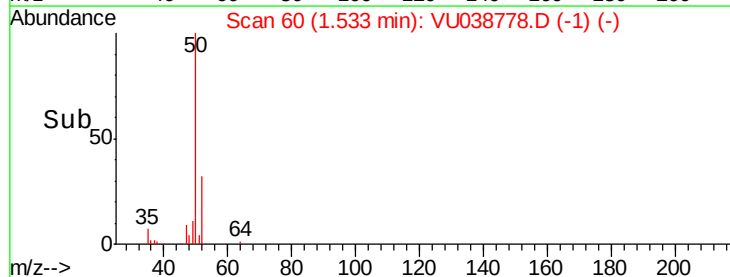
150000

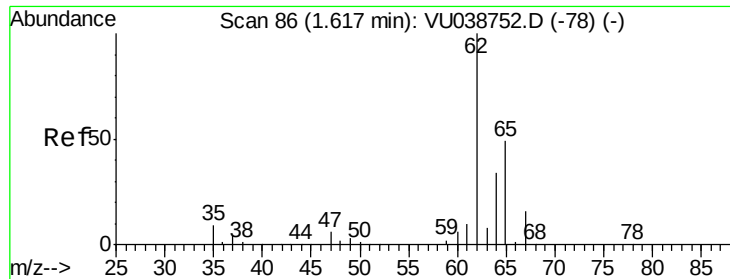
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 44.717 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

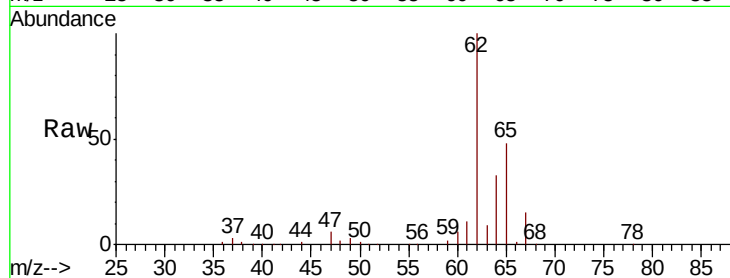
VSTD05049

Tot Ion: 62 Resp: 219755

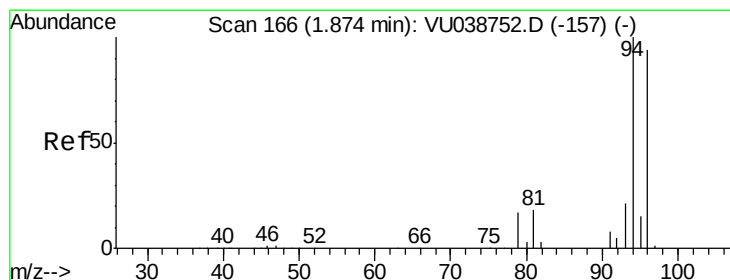
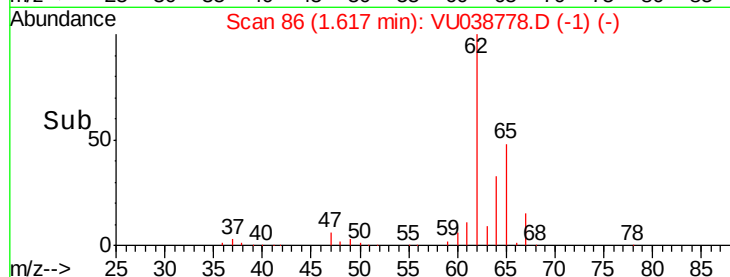
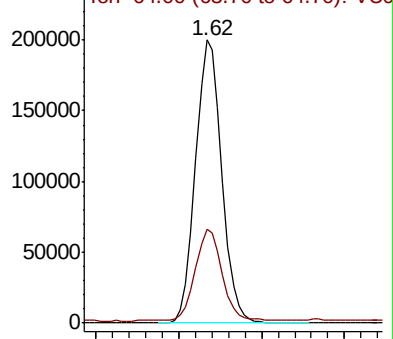
Ion Ratio Lower Upper

62 100

64 33.2 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU038778.D (-1) (-)



#6

Bromomethane

Concen: 43.153 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038778.D

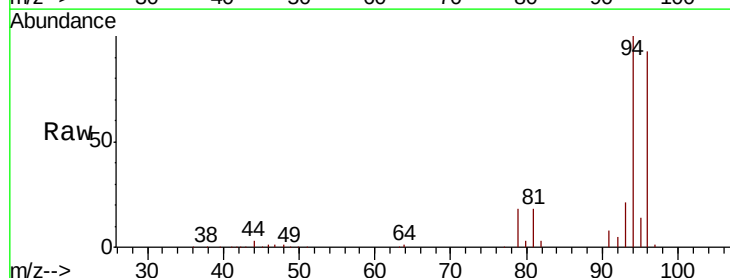
Acq: 10 Jun 2020 14:47

Tgt Ion: 94 Resp: 110447

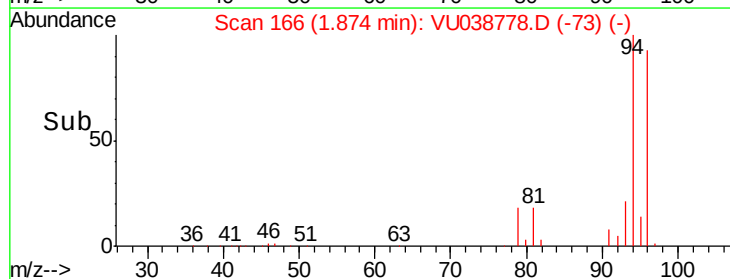
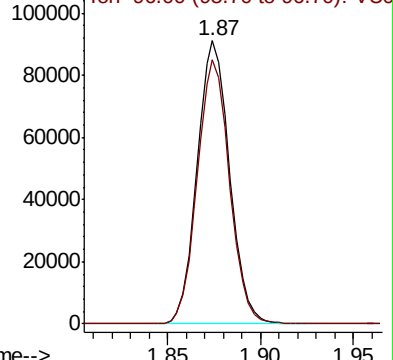
Ion Ratio Lower Upper

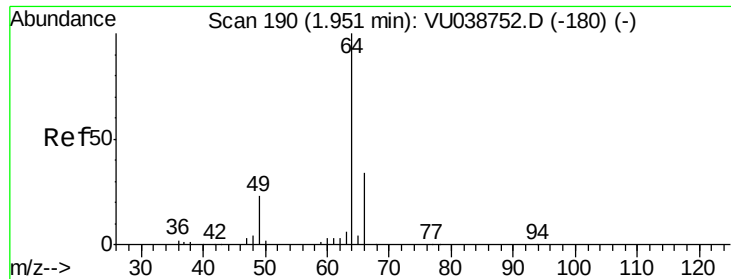
94 100

96 93.2 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU038778.D (-73) (-)





#8

Chloroethane

Concen: 46.054 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

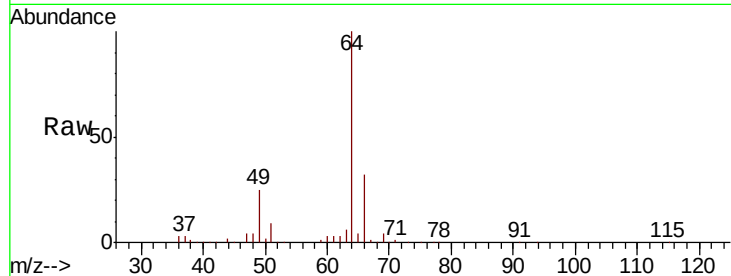
VSTD05049

Tot Ion: 64 Resp: 132398

Ion Ratio Lower Upper

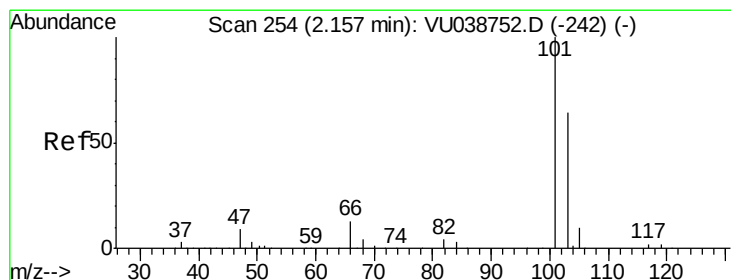
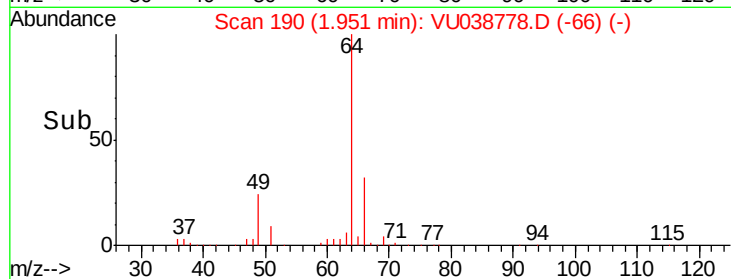
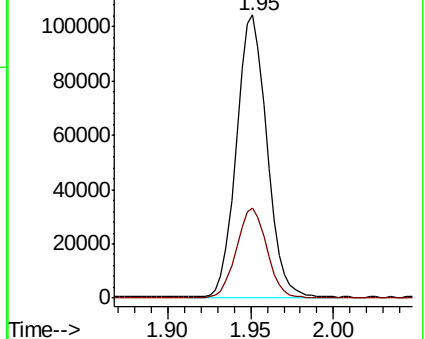
64 100

66 32.0 21.6 40.2



Abundance Ion 64.00 (63.70 to 64.70): VU038778.D (-66) (-)

Ion 66.00 (65.70 to 66.70): VU038778.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 48.862 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038778.D

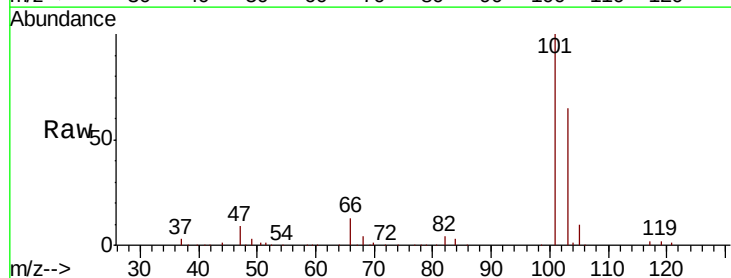
Acq: 10 Jun 2020 14:47

Tgt Ion: 101 Resp: 330685

Ion Ratio Lower Upper

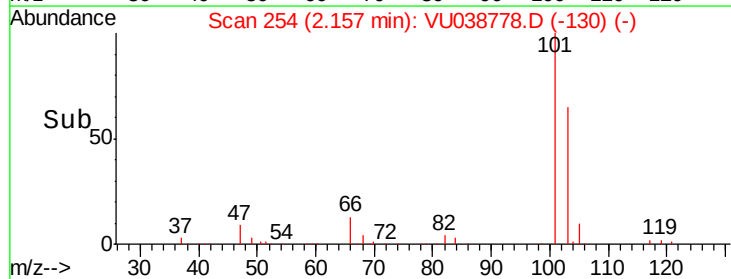
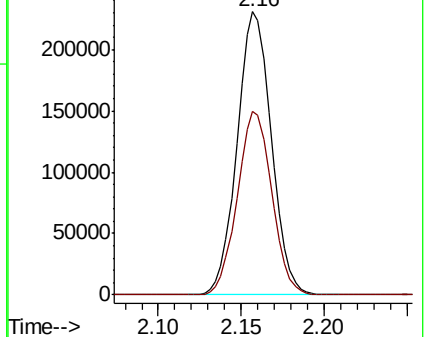
101 100

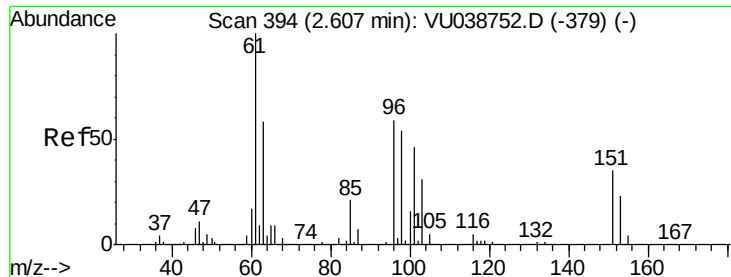
103 65.3 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU038778.D (-130) (-)

Ion 103.00 (102.70 to 103.70): VU038778.D (-130) (-)





#10

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

Concen: 50.364 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

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ClientSampleId :

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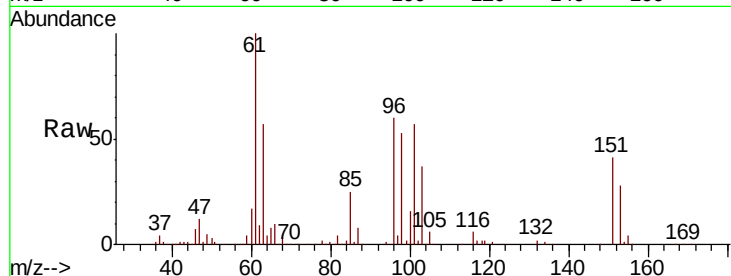
Tot Ion:101 Resp: 198675

Ion Ratio Lower Upper

101 100

85 43.2 35.1 52.7

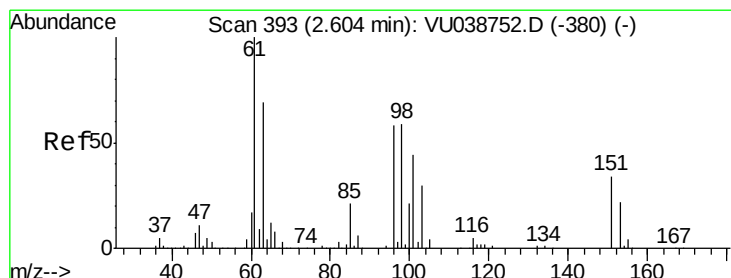
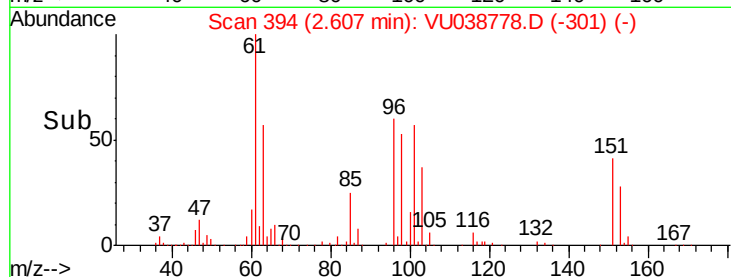
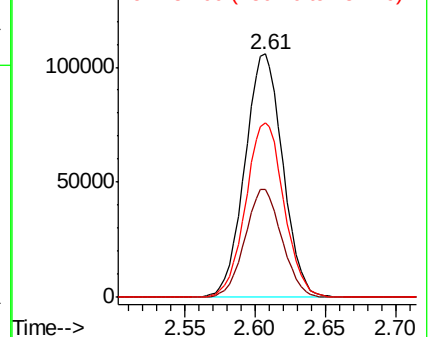
151 72.5 57.4 86.0



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: 46.941 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

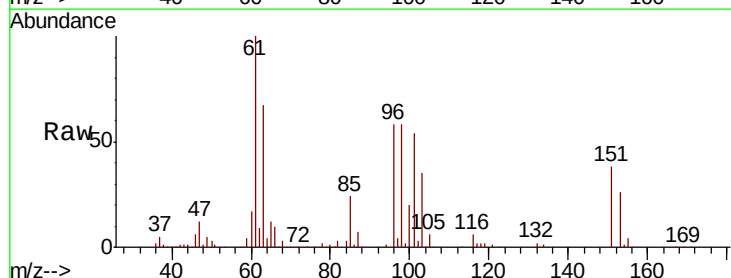
Tgt Ion: 96 Resp: 182503

Ion Ratio Lower Upper

96 100

61 171.3 120.0 223.0

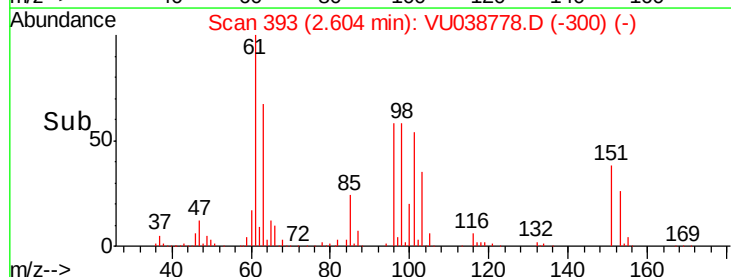
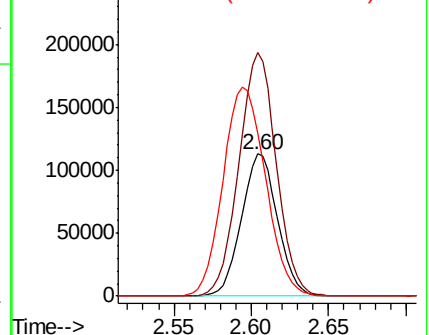
63 114.5 75.8 140.8

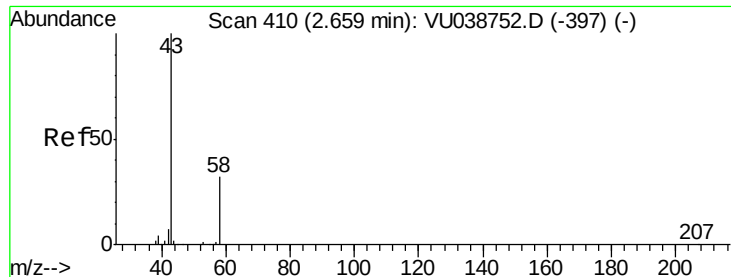


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 110.975 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

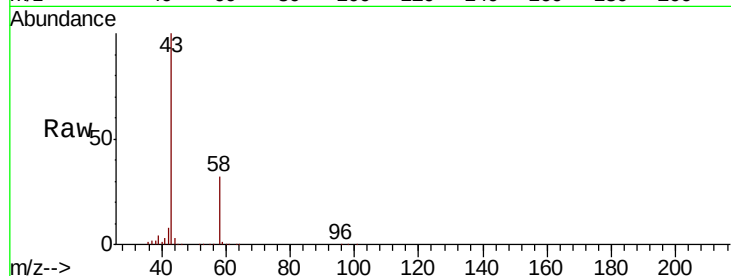
VSTD05049

Tot Ion: 43 Resp: 298571

Ion Ratio Lower Upper

43 100

58 32.1 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VU038778.D (-317) (-)

Ion 58.00 (57.70 to 58.70): VU038778.D (-317) (-)

2.66

150000

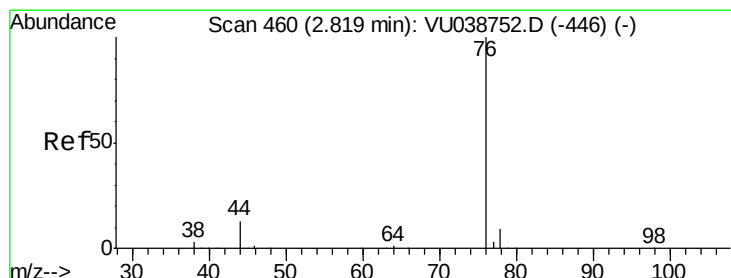
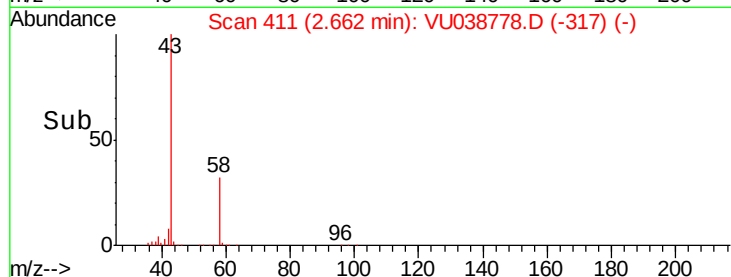
100000

50000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 46.588 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038778.D

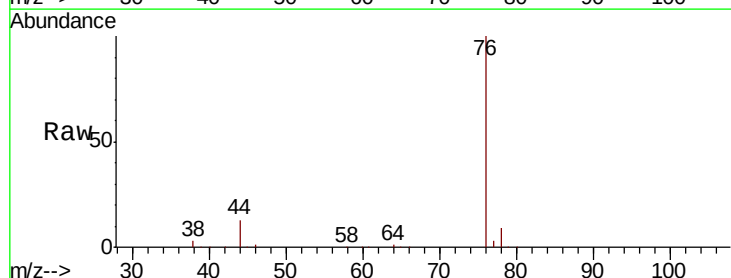
Acq: 10 Jun 2020 14:47

Tgt Ion: 76 Resp: 586534

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU038778.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU038778.D (-367) (-)

2.82

400000

300000

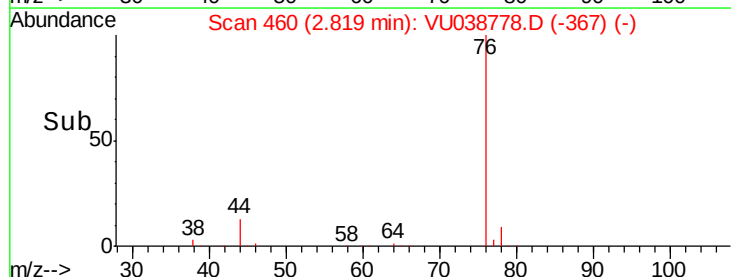
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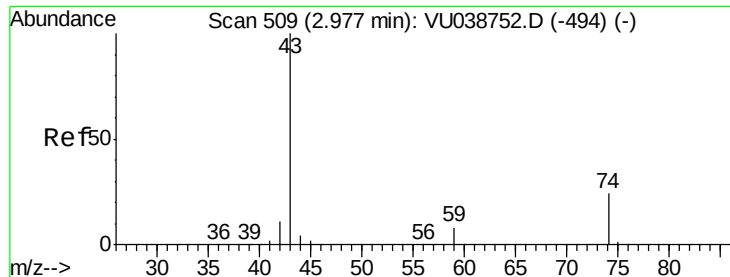
100000

0

2.80 2.90

Time-->





#15

Methvl Acetate

Concen: 44.259 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

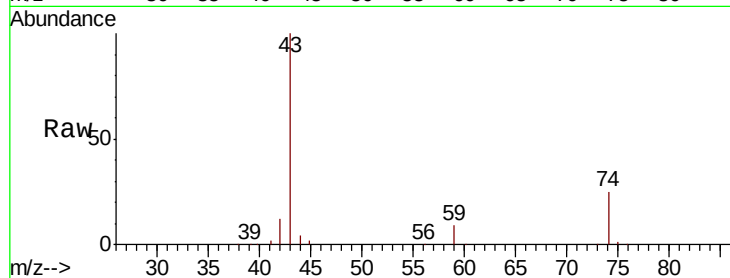
VSTD05049

Tot Ion: 43 Resp: 248839

Ion Ratio Lower Upper

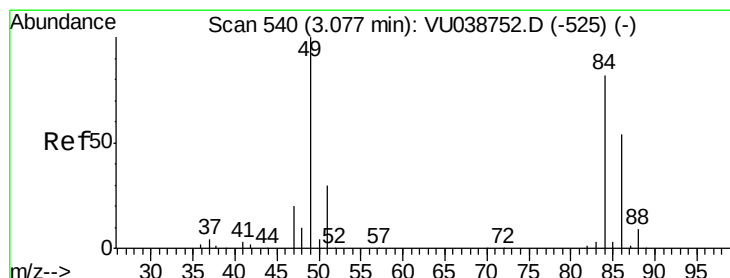
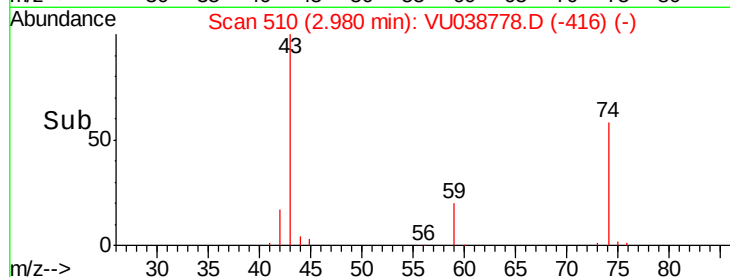
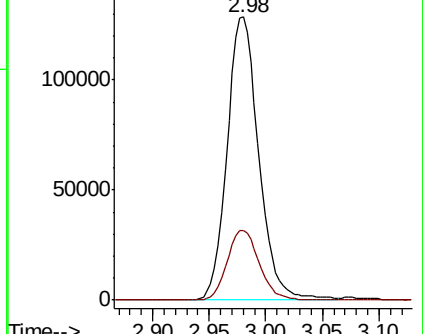
43 100

74 25.1 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VU038778.D (-416) (-)

Ion 74.00 (73.70 to 74.70): VU038778.D (-416) (-)



#16

Methylene chloride

Concen: 45.580 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

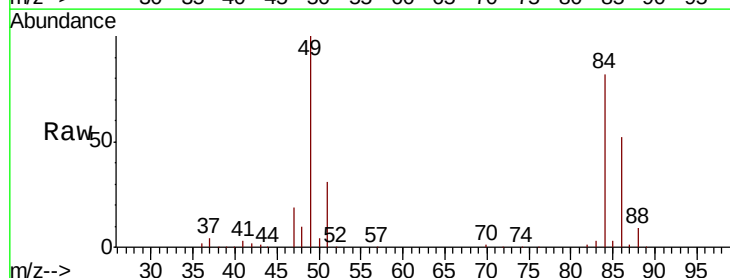
Tgt Ion: 84 Resp: 210402

Ion Ratio Lower Upper

84 100

86 63.6 44.7 83.1

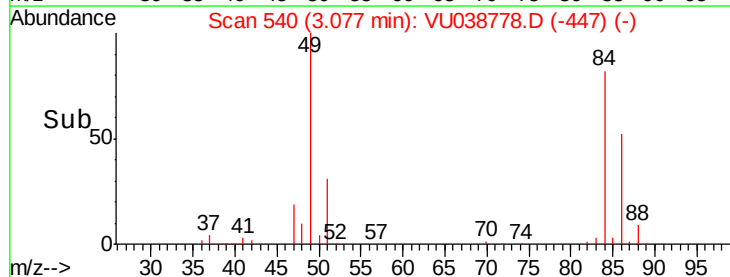
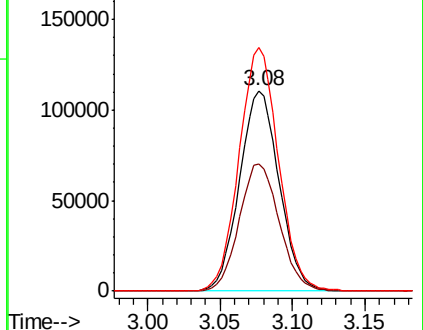
49 121.5 84.5 156.9

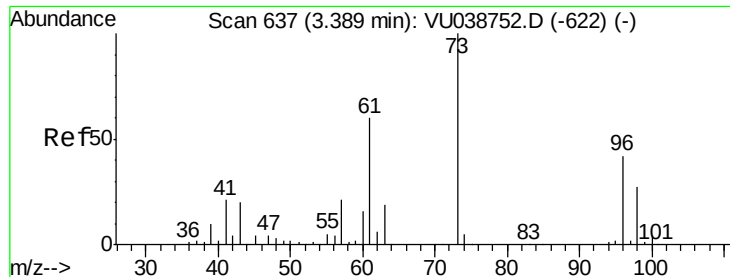


Abundance Ion 84.00 (83.70 to 84.70): VU038778.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU038778.D (-447) (-)

Ion 49.00 (48.70 to 49.70): VU038778.D (-447) (-)





#17

trans-1,2-Dichloroethene

Concen: 46.281 ug/L

RT: 3.39 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

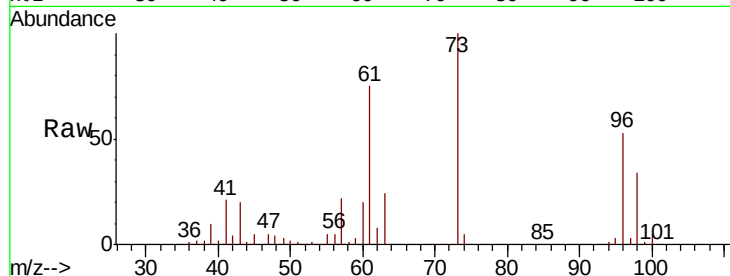
Tot Ion: 96 Resp: 196904

Ion Ratio Lower Upper

96 100

61 142.0 98.2 182.4

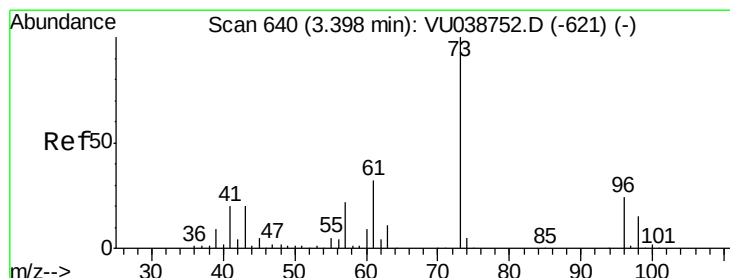
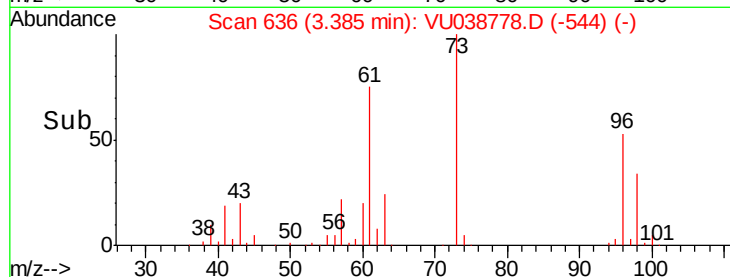
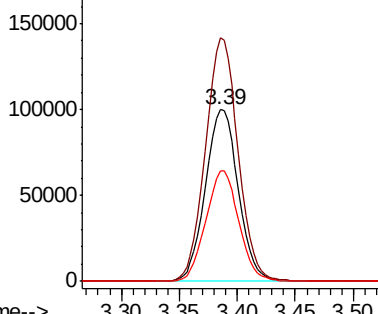
98 64.6 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU038778.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU038778.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU038778.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 45.606 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

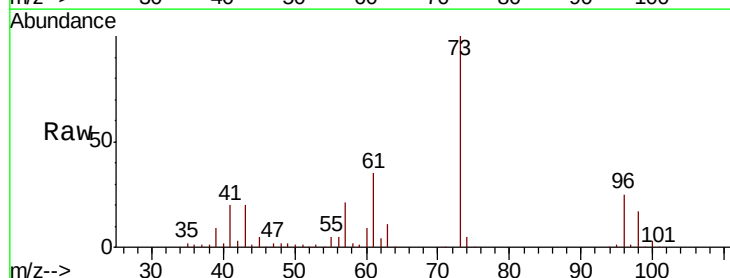
Tgt Ion: 73 Resp: 627368

Ion Ratio Lower Upper

73 100

43 20.2 15.6 23.4

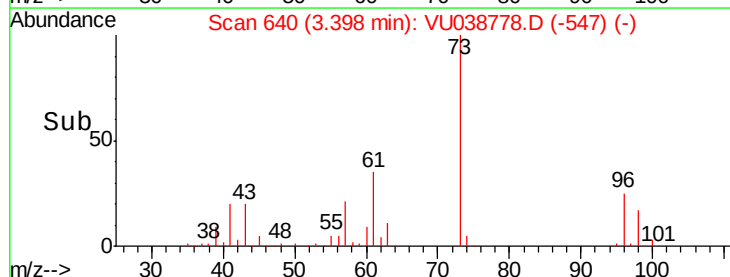
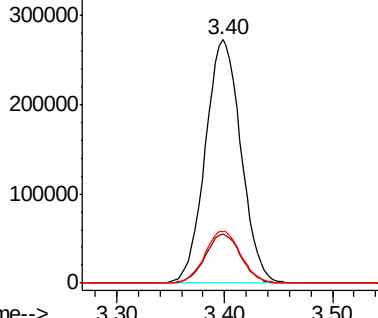
57 21.4 17.2 25.8

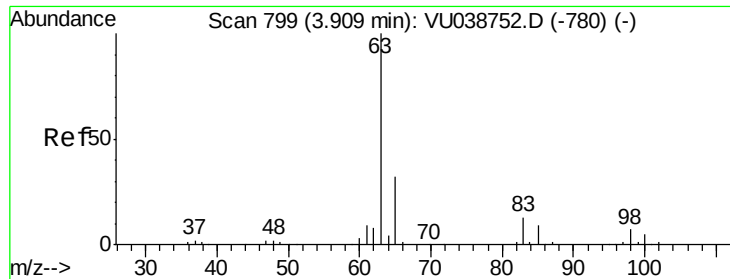


Abundance Ion 73.00 (72.70 to 73.70): VU038778.D (-547) (-)

Ion 43.00 (42.70 to 43.70): VU038778.D (-547) (-)

Ion 57.00 (56.70 to 57.70): VU038778.D (-547) (-)

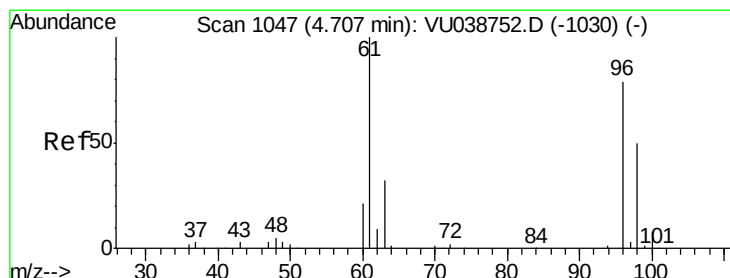
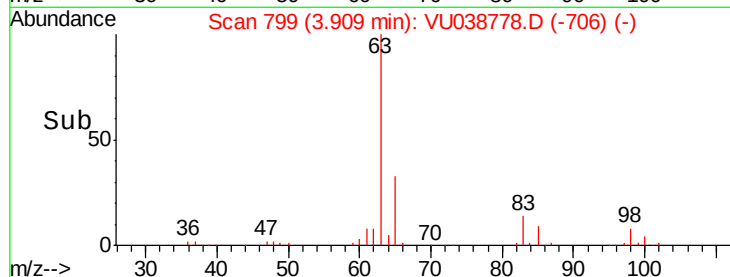
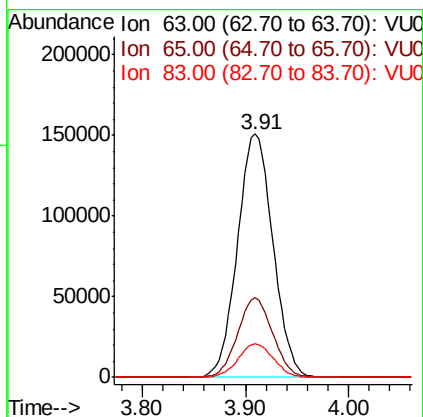
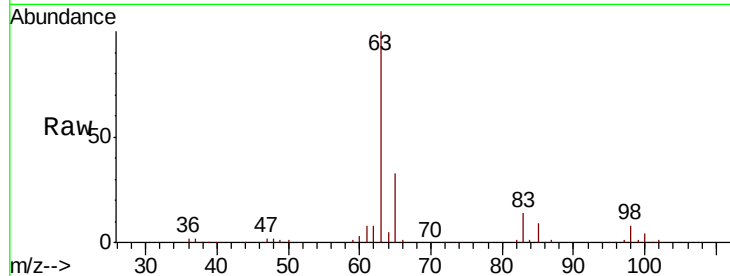




#19
 1,1-Dichloroethane
 Concen: 44.777 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038778.D
 Acq: 10 Jun 2020 14:47

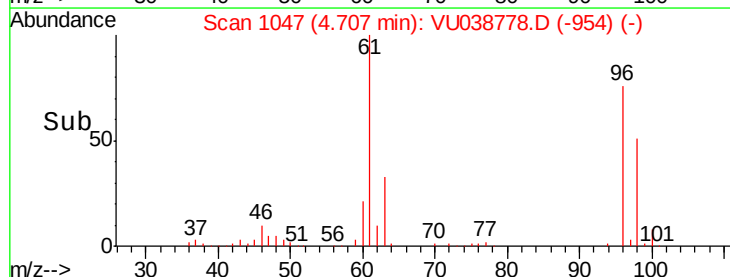
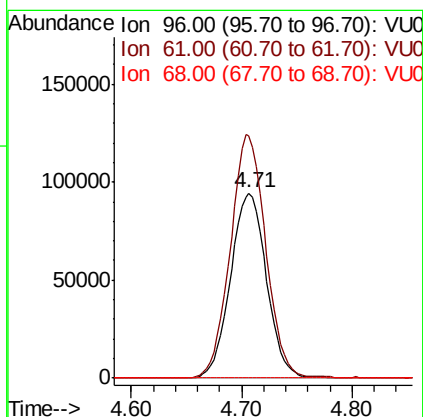
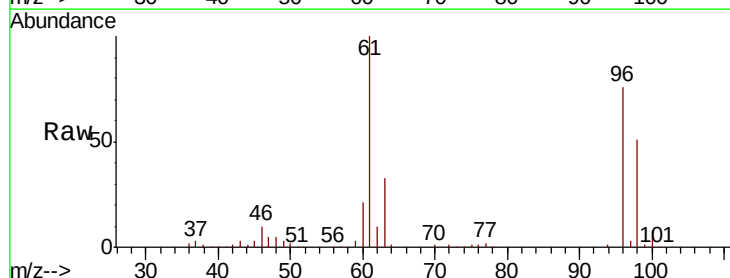
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

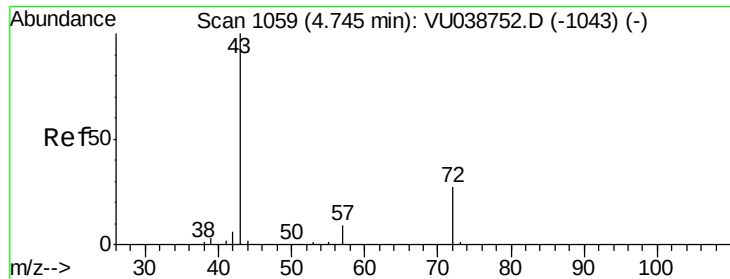
Tot Ion: 63 Resp: 360977
 Ion Ratio Lower Upper
 63 100
 65 32.6 23.0 42.8
 83 13.8 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 45.293 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038778.D
 Acq: 10 Jun 2020 14:47

Tgt Ion: 96 Resp: 213015
 Ion Ratio Lower Upper
 96 100
 61 131.5 89.5 166.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 96.140 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

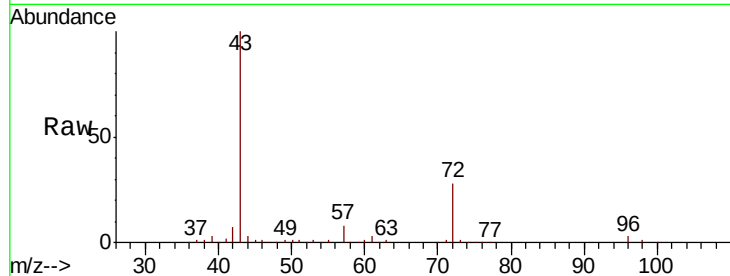
VSTD05049

Tot Ion: 43 Resp: 396667

Ion Ratio Lower Upper

43 100

72 28.7 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU038778.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU038778.D (-966) (-)

4.75

150000

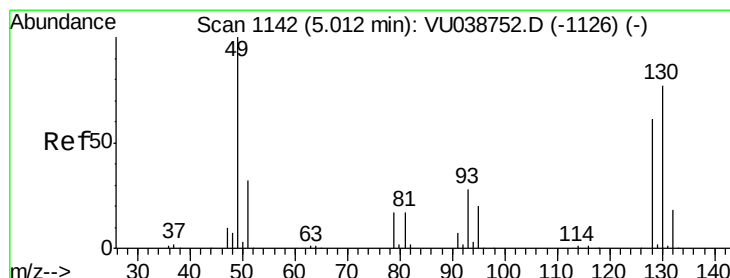
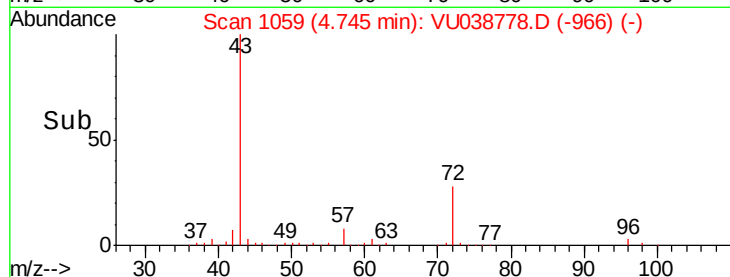
100000

50000

0

4.70 4.80

Time-->



#23

Bromochloromethane

Concen: 46.426 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Tgt Ion: 128 Resp: 108147

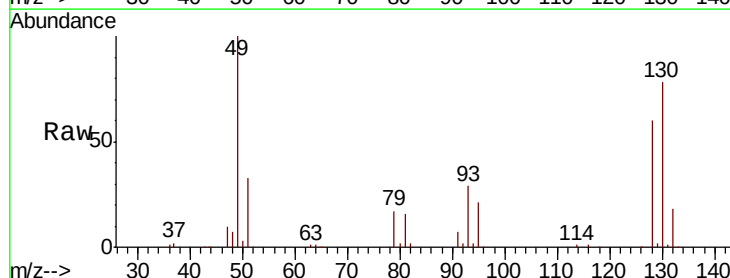
Ion Ratio Lower Upper

128 100

49 166.7 118.6 220.2

130 130.8 92.5 171.7

51 55.8 43.1 64.7



Abundance Ion 128.00 (127.70 to 128.70): VU038778.D (-1049) (-)

Ion 49.00 (48.70 to 49.70): VU038778.D (-1049) (-)

Ion 130.00 (129.70 to 130.70): VU038778.D (-1049) (-)

Ion 51.00 (50.70 to 51.70): VU038778.D (-1049) (-)

5.01

120000

100000

80000

60000

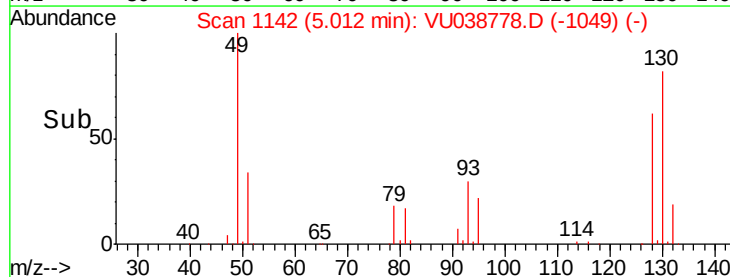
40000

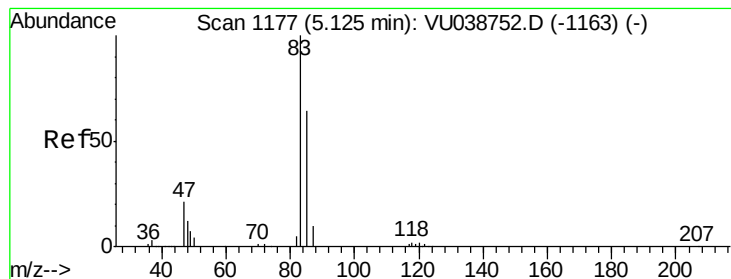
20000

0

4.90 4.95 5.00 5.05 5.10

Time-->





#25

Chloroform

Concen: 46.507 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

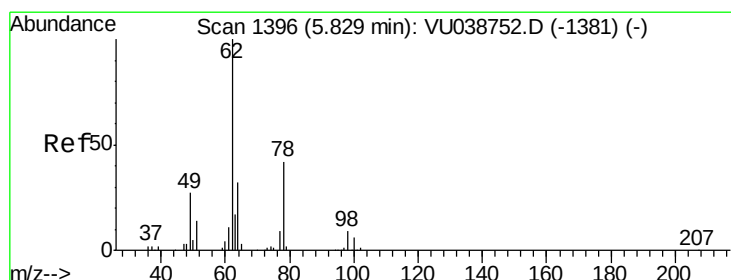
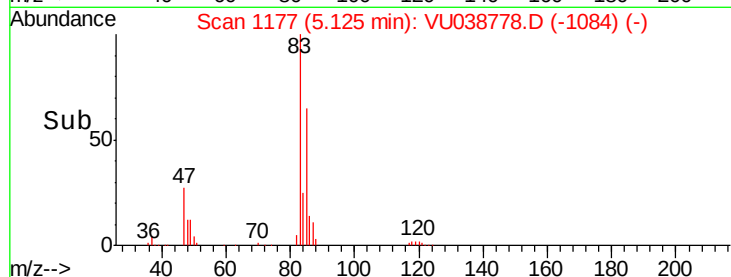
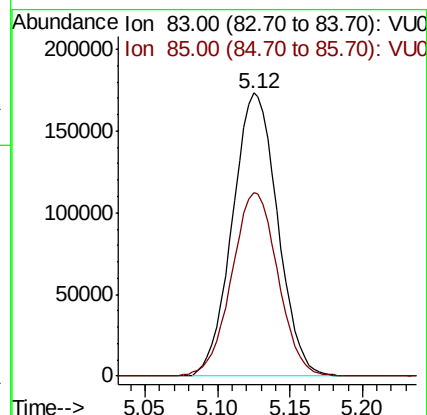
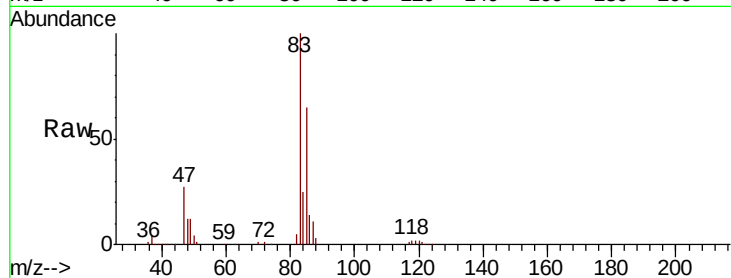
VSTD05049

Tot Ion: 83 Resp: 375230

Ion Ratio Lower Upper

83 100

85 65.0 47.0 87.4



#27

1,2-Dichloroethane

Concen: 46.420 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU038778.D

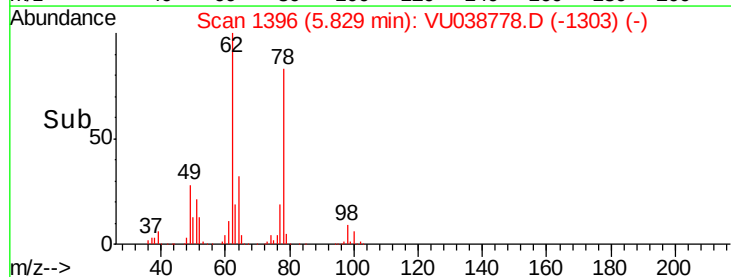
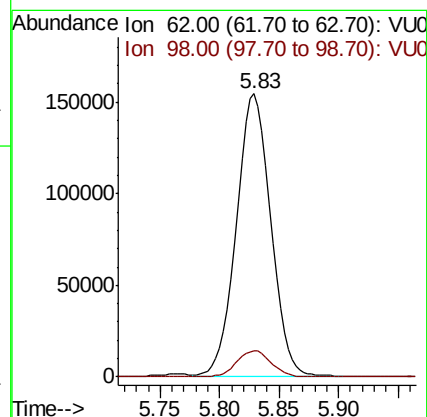
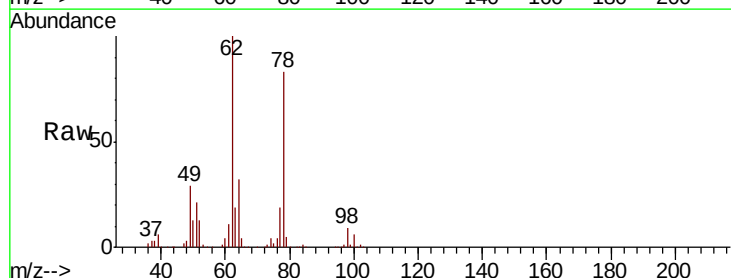
Acq: 10 Jun 2020 14:47

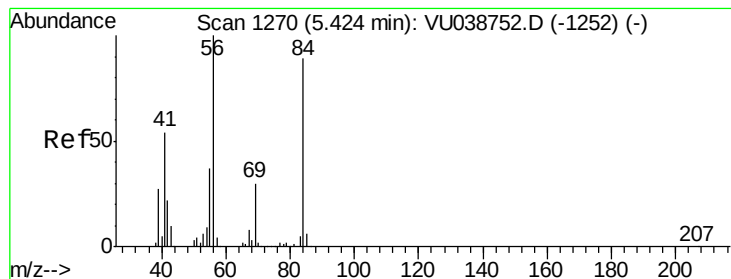
Tgt Ion: 62 Resp: 309832

Ion Ratio Lower Upper

62 100

98 9.3 7.8 11.6





#29

Cyclohexane

Concen: 47.649 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

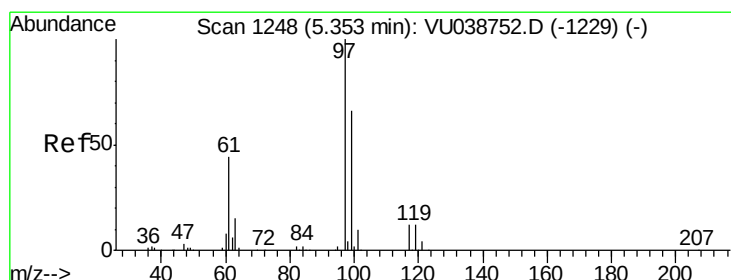
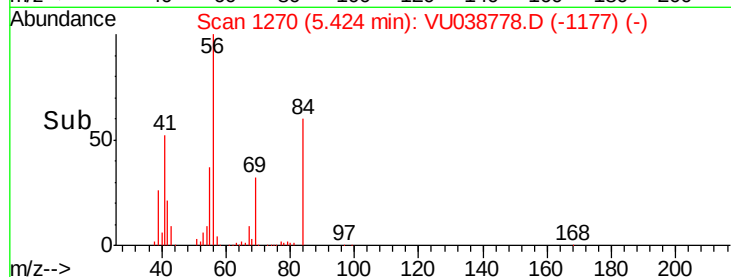
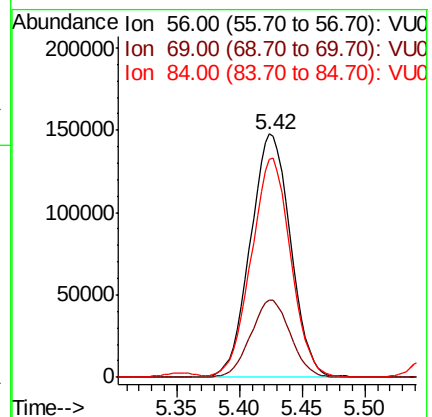
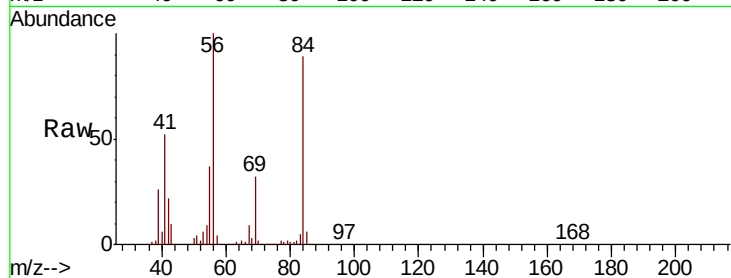
Tot Ion: 56 Resp: 329912

Ion Ratio Lower Upper

56 100

69 31.3 25.1 37.7

84 88.7 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 46.814 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

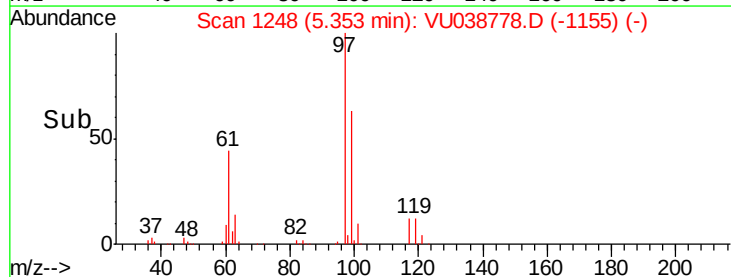
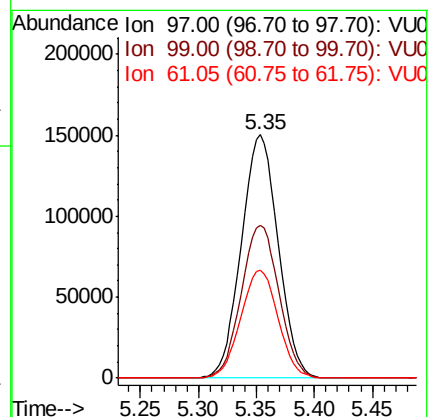
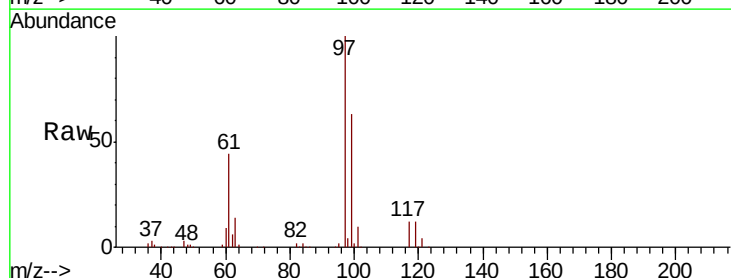
Tgt Ion: 97 Resp: 332889

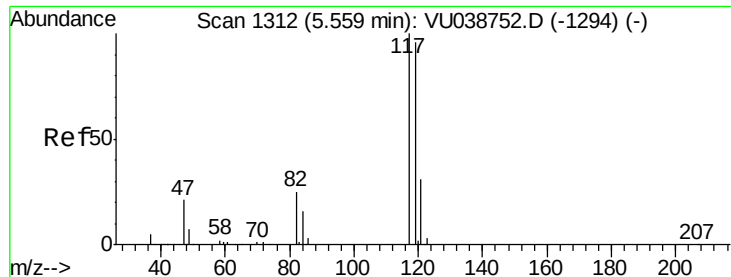
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 45.0 35.2 52.8

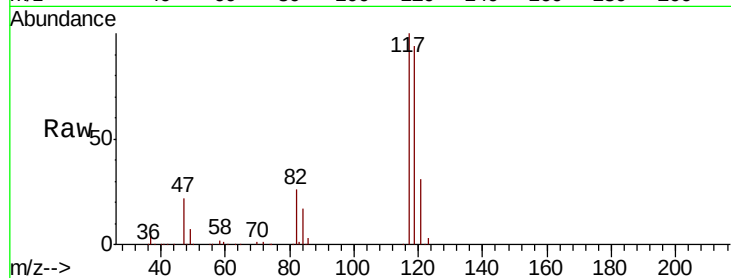




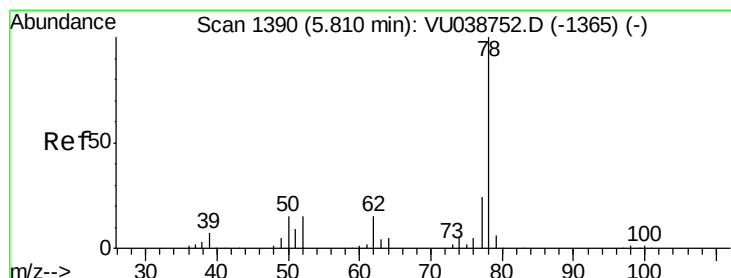
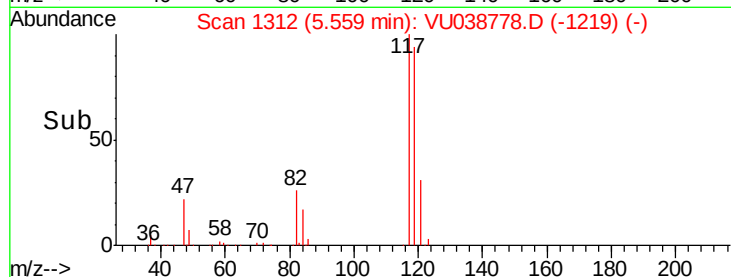
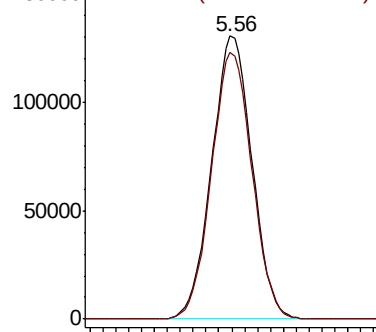
#31
Carbon tetrachloride
Concen: 48.258 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU038778.D
Acq: 10 Jun 2020 14:47

Instrument :
MSVOA_U
ClientSampled :
VSTD05049

Tot Ion:117 Resp: 284080
Ion Ratio Lower Upper
117 100
119 94.8 76.6 114.8

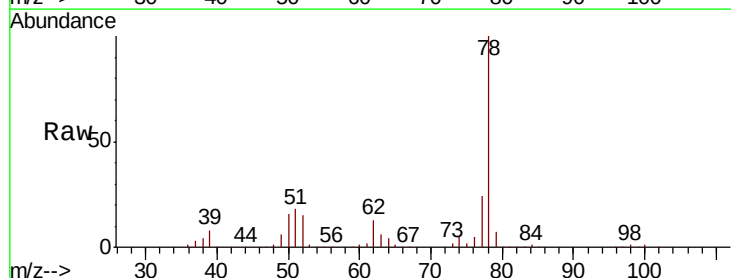


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

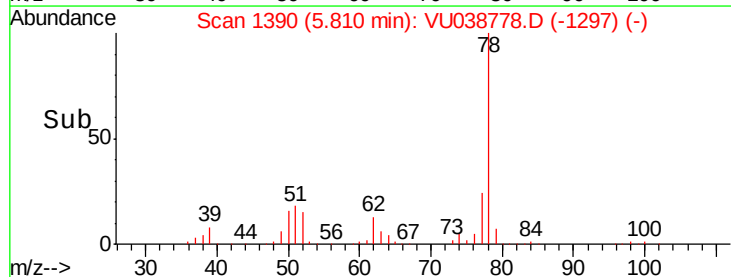
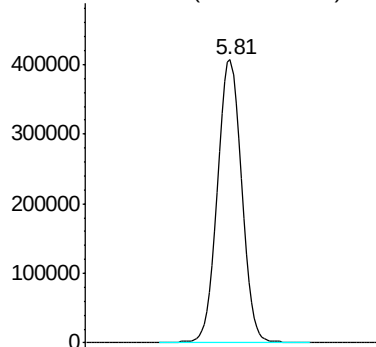


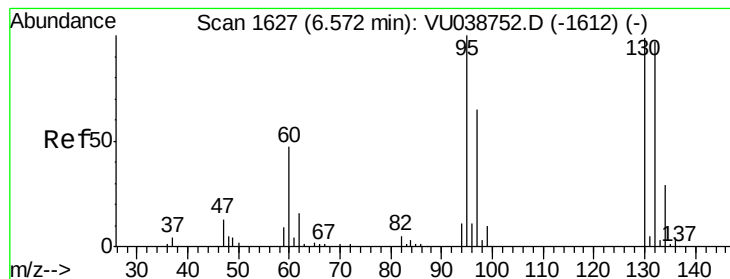
#33
Benzene
Concen: 46.194 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU038778.D
Acq: 10 Jun 2020 14:47

Tgt Ion: 78 Resp: 830167



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 46.655 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

Tot Ion: 95 Resp: 213246

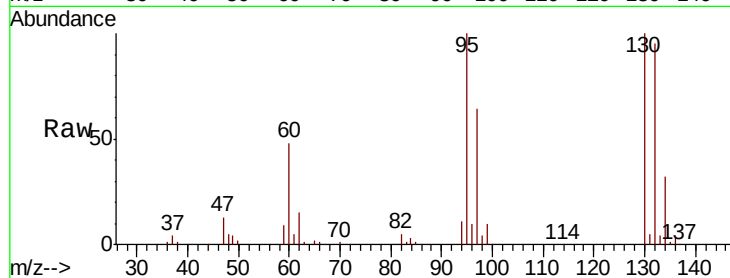
Ion Ratio Lower Upper

95 100

97 64.3 44.4 82.4

132 95.0 64.9 120.5

130 99.5 68.6 127.4

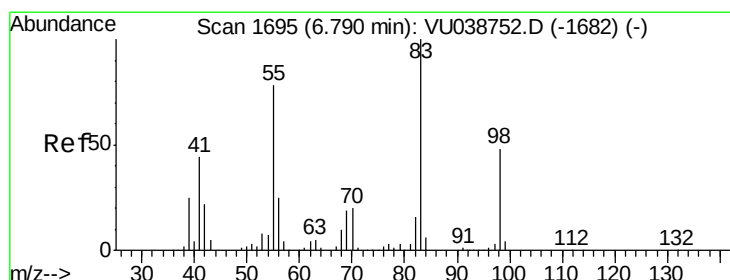
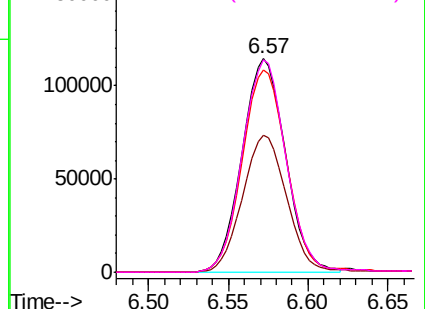
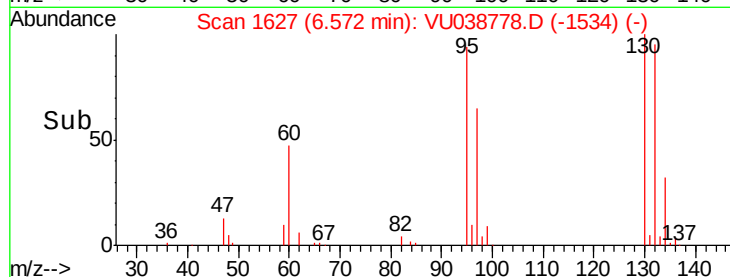


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 48.897 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

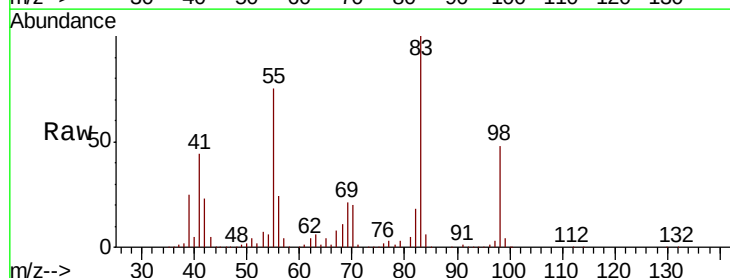
Tgt Ion: 83 Resp: 337056

Ion Ratio Lower Upper

83 100

55 78.0 63.2 94.8

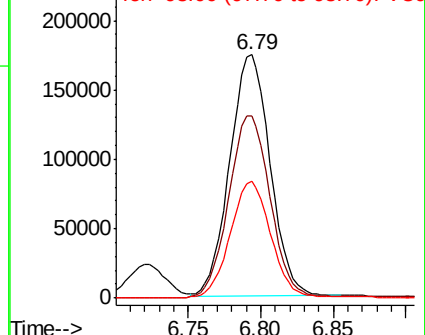
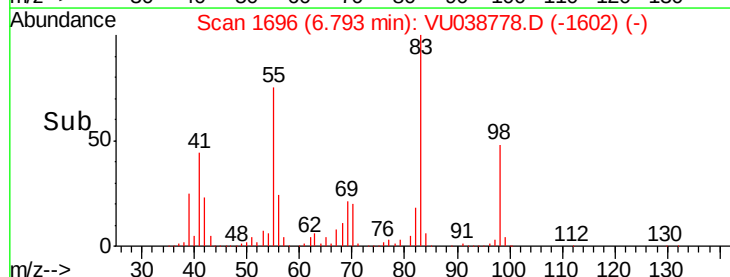
98 48.4 38.4 57.6

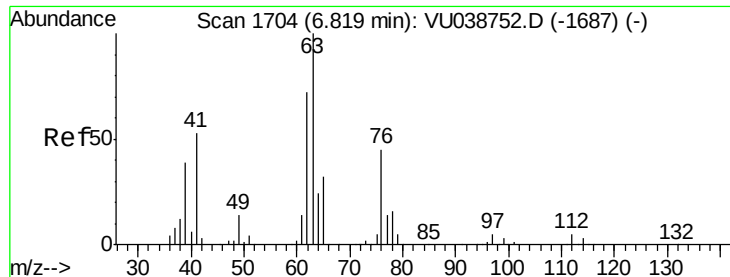


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

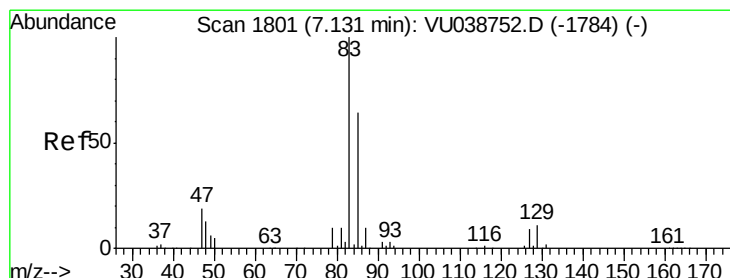
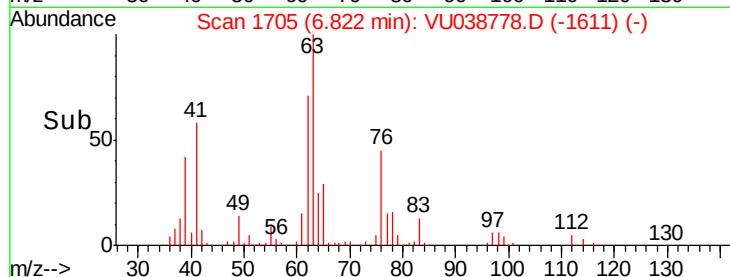
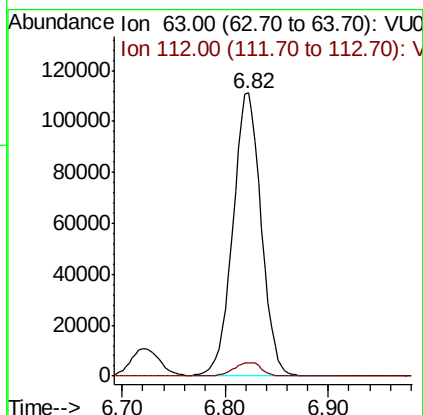
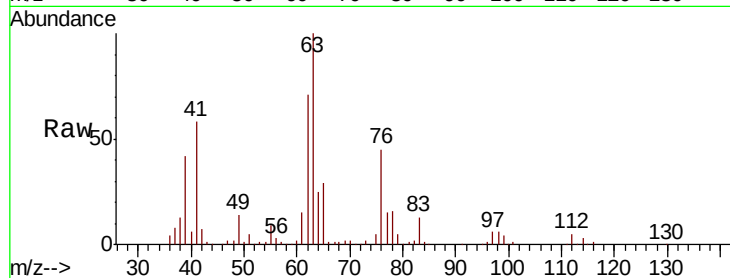




#37
 1,2-Dichloropropane
 Concen: 45.466 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038778.D
 Acq: 10 Jun 2020 14:47

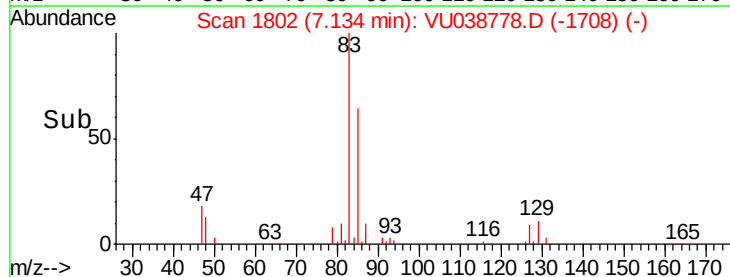
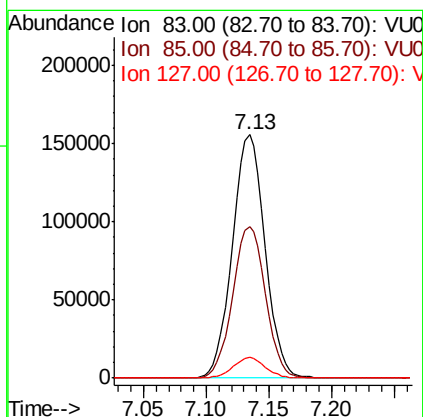
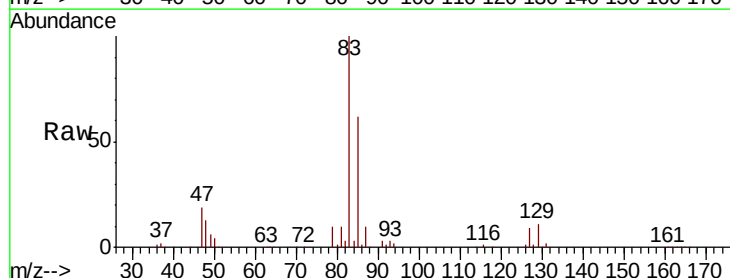
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

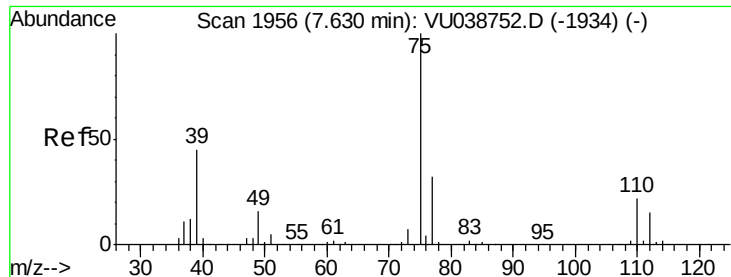
Tot Ion: 63 Resp: 212919
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.4 5.2



#38
 Bromodichloromethane
 Concen: 46.873 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038778.D
 Acq: 10 Jun 2020 14:47

Tgt Ion: 83 Resp: 281399
 Ion Ratio Lower Upper
 83 100
 85 62.1 45.1 83.9
 127 8.6 7.0 10.4

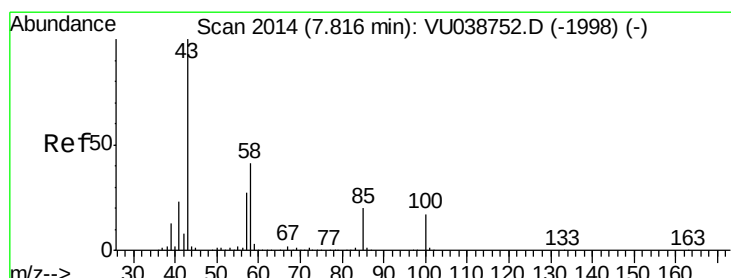
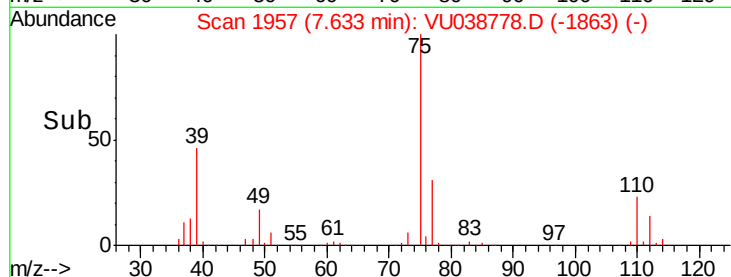
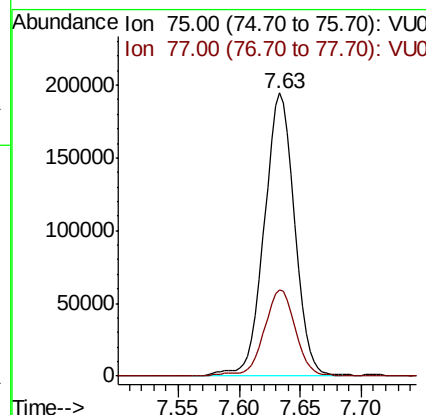
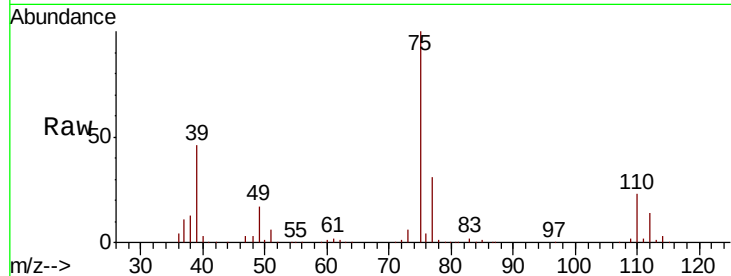




#39
 cis-1,3-Dichloropropene
 Concen: 46.636 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038778.D
 Acq: 10 Jun 2020 14:47

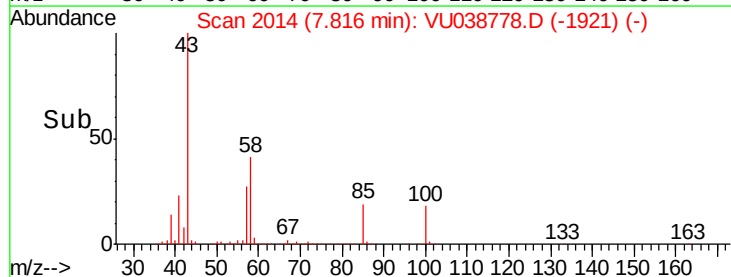
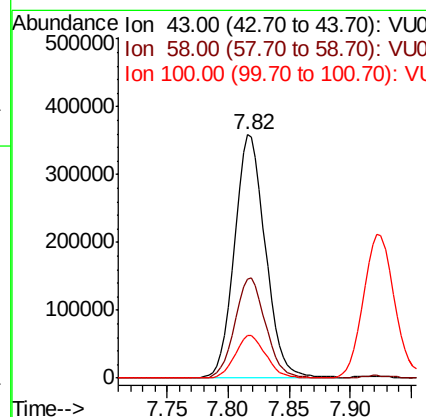
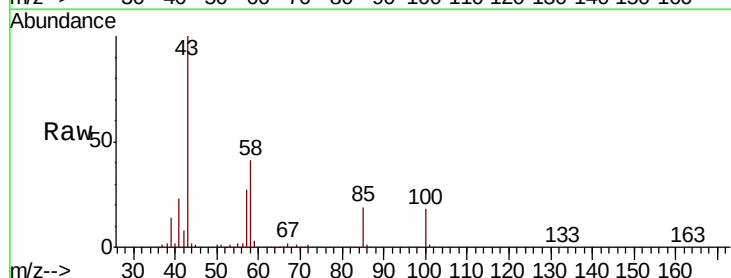
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

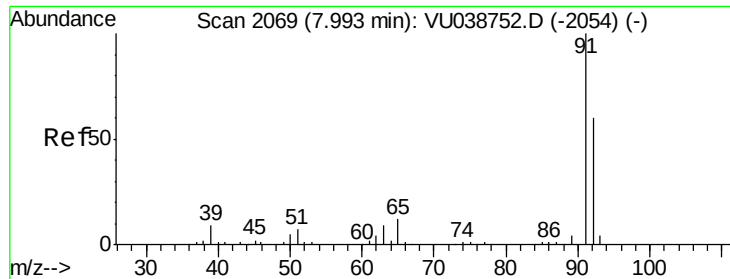
Tot Ion: 75 Resp: 336823
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 86.624 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU038778.D
 Acq: 10 Jun 2020 14:47

Tgt Ion: 43 Resp: 634193
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.0 49.4
 100 17.4 13.4 20.0





#42

Toluene

Concen: 47.654 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

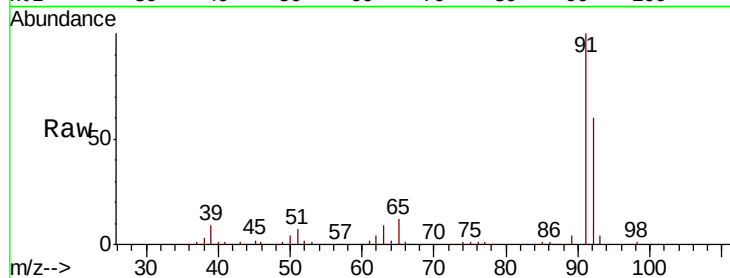
VSTD05049

Tot Ion: 91 Resp: 895467

Ion Ratio Lower Upper

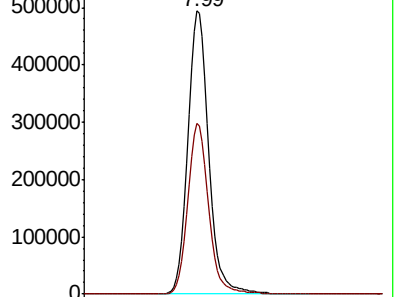
91 100

92 60.3 42.2 78.4

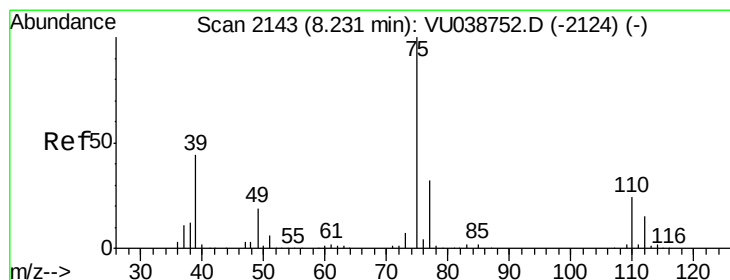
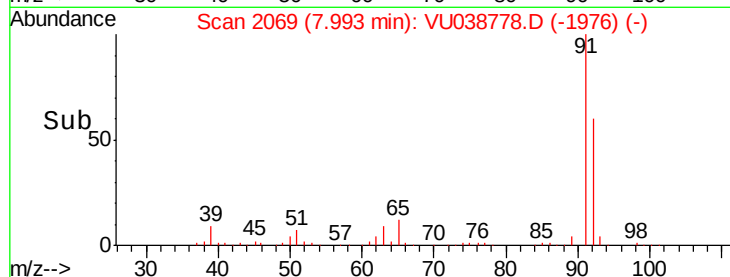


Abundance Ion 91.00 (90.70 to 91.70): VU038752.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU038752.D (-2054) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 46.758 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038778.D

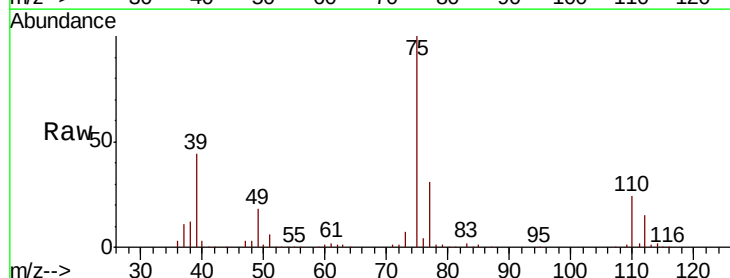
Acq: 10 Jun 2020 14:47

Tgt Ion: 75 Resp: 323468

Ion Ratio Lower Upper

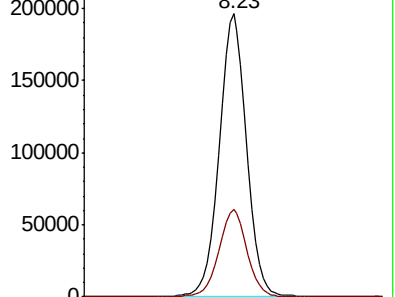
75 100

77 30.9 22.5 41.7

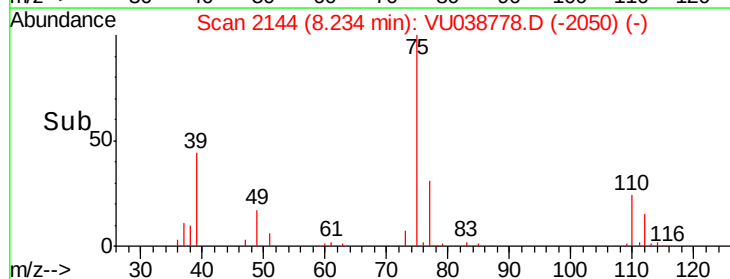


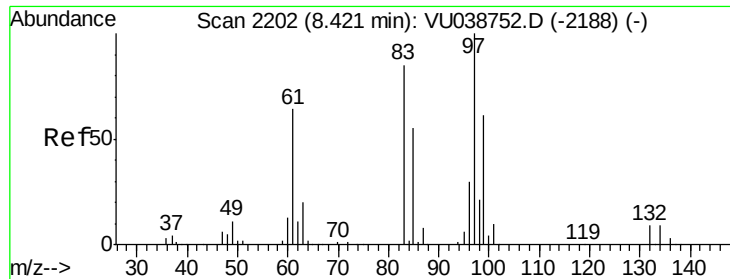
Abundance Ion 75.00 (74.70 to 75.70): VU038752.D (-2124) (-)

Ion 77.00 (76.70 to 77.70): VU038752.D (-2124) (-)



Time-->

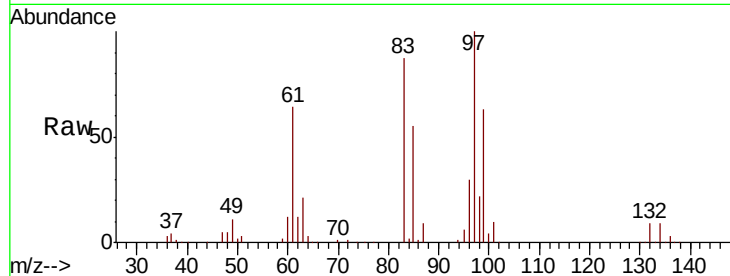




#45
1,1,2-Trichloroethane
Concen: 45.254 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU038778.D
Acq: 10 Jun 2020 14:47

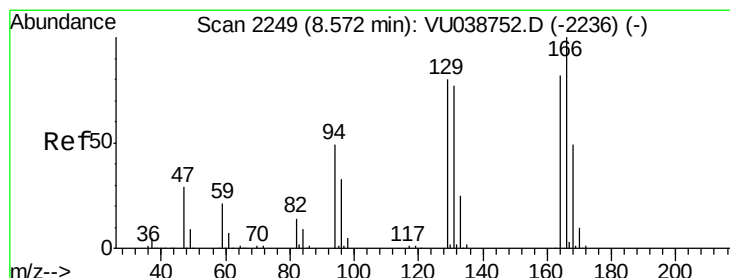
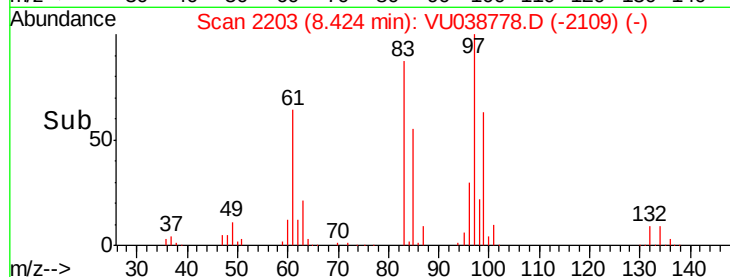
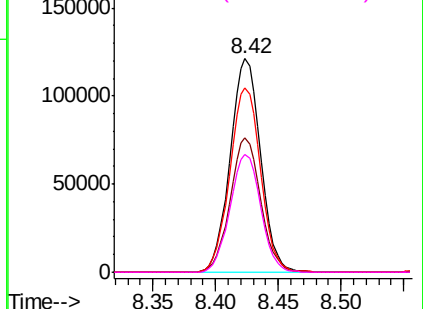
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

Tot Ion:	97	Resp:	203980
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.6	81.0
83	86.6	60.0	111.4
85	55.2	38.4	71.2



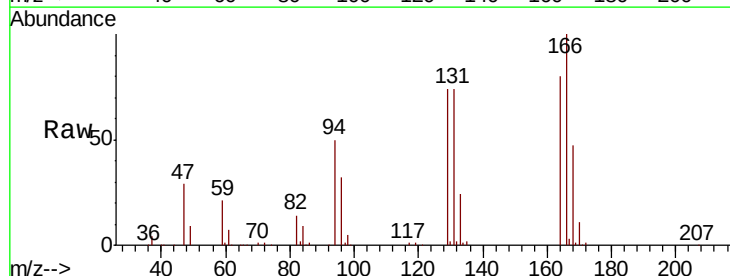
Abundance

Ion 97.00 (96.70 to 97.70): VU038778.D (-2188) (-)



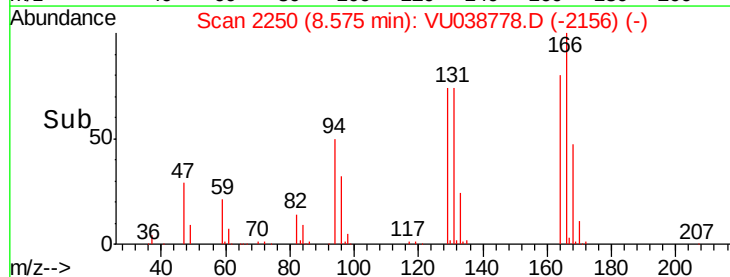
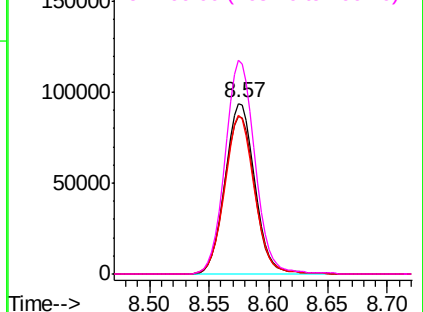
#46
Tetrachloroethene
Concen: 49.301 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU038778.D
Acq: 10 Jun 2020 14:47

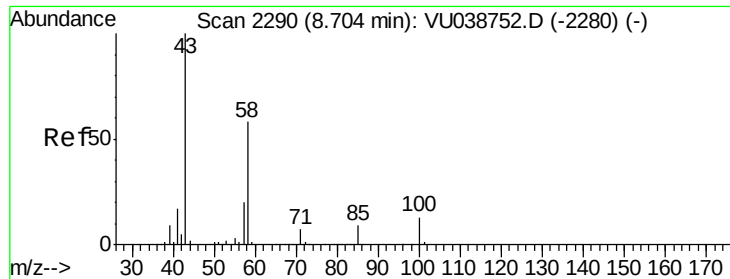
Tgt Ion:	164	Resp:	162569
Ion	Ratio	Lower	Upper
164	100		
129	92.6	67.2	124.8
131	93.1	65.5	121.6
166	125.1	90.4	168.0



Abundance

Ion 164.00 (163.70 to 164.70): VU038778.D (-2156) (-)

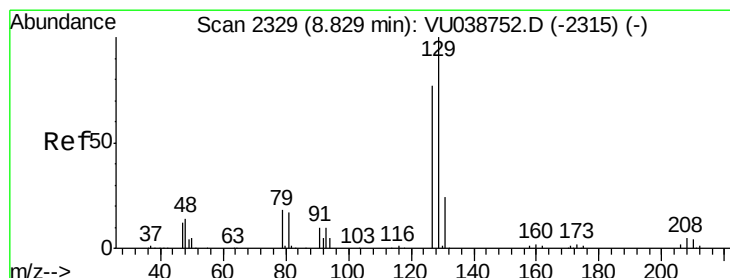
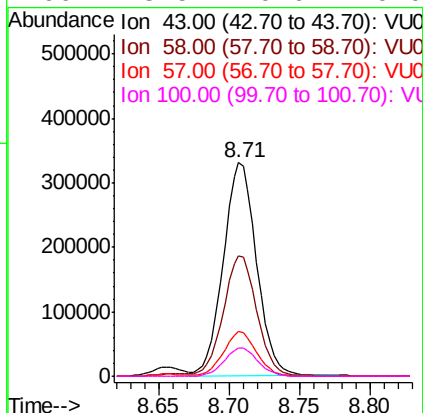
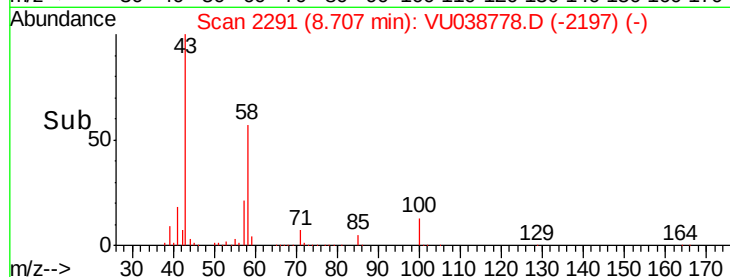
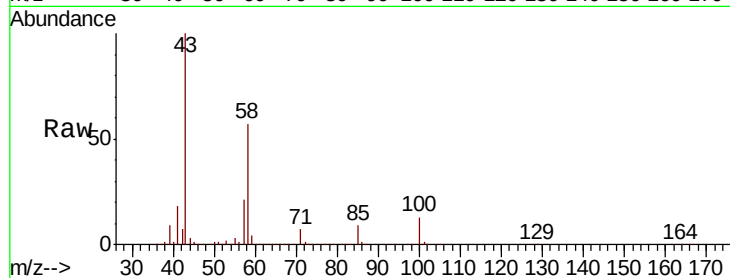




#48
2-Hexanone
Concen: 90.137 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU038778.D
Acq: 10 Jun 2020 14:47

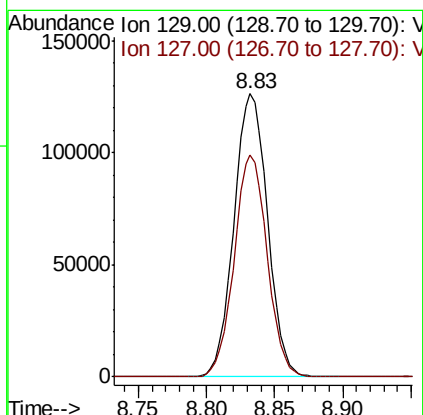
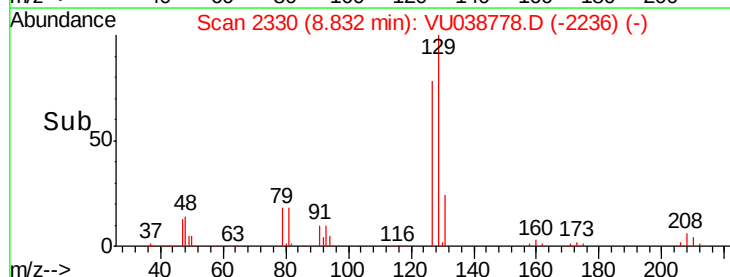
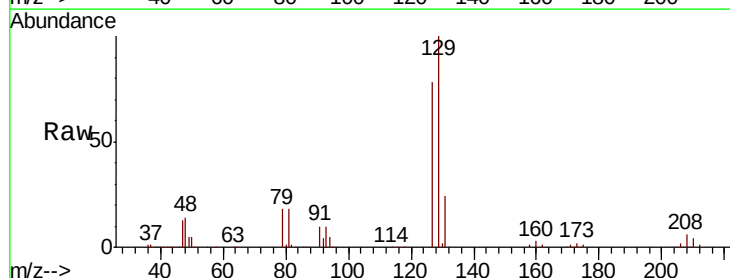
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

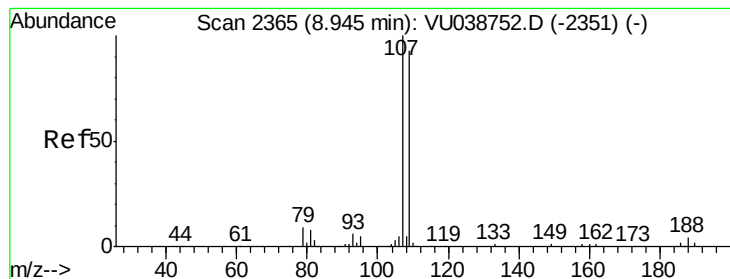
Tot Ion: 43 Resp: 545508
Ion Ratio Lower Upper
43 100
58 56.5 46.2 69.4
57 20.7 16.6 24.8
100 13.5 10.6 16.0



#49
Dibromochloromethane
Concen: 46.695 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038778.D
Acq: 10 Jun 2020 14:47

Tgt Ion: 129 Resp: 216157
Ion Ratio Lower Upper
129 100
127 78.4 55.8 103.6





#50

1,2-Dibromoethane

Concen: 45.262 ug/L

RT: 8.94 min Scan# 2365

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

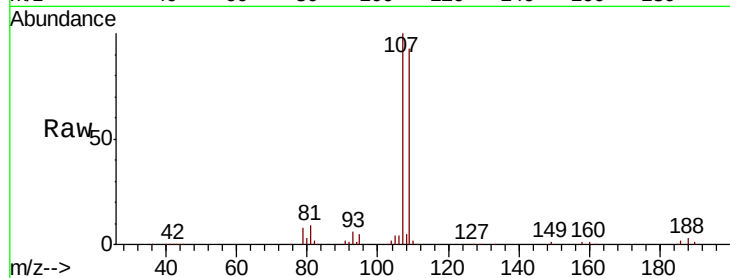
Tot Ion:107 Resp: 219286

Ion Ratio Lower Upper

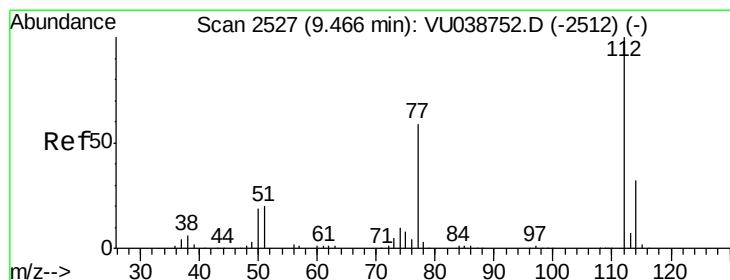
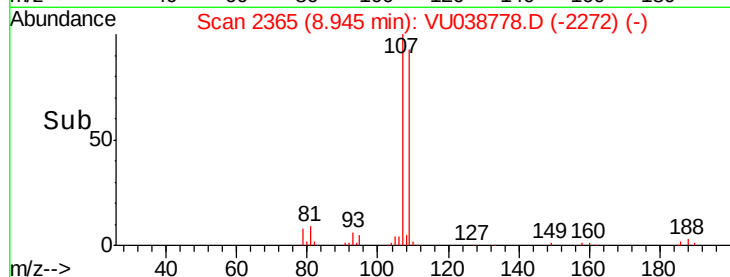
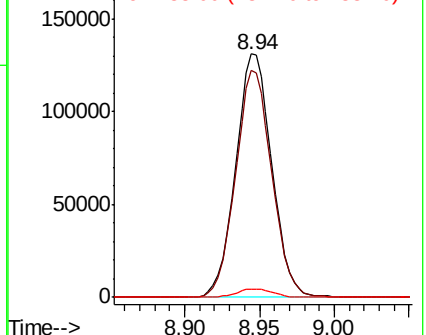
107 100

109 93.1 65.9 122.5

188 3.4 2.9 4.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 46.718 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

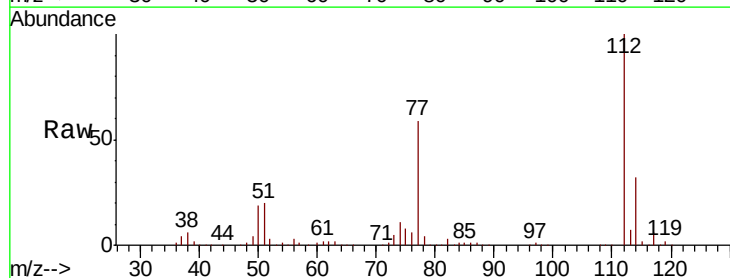
Tgt Ion:112 Resp: 563981

Ion Ratio Lower Upper

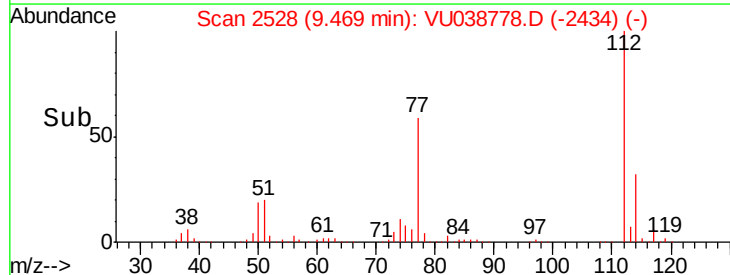
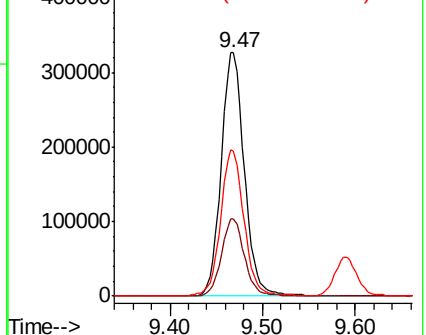
112 100

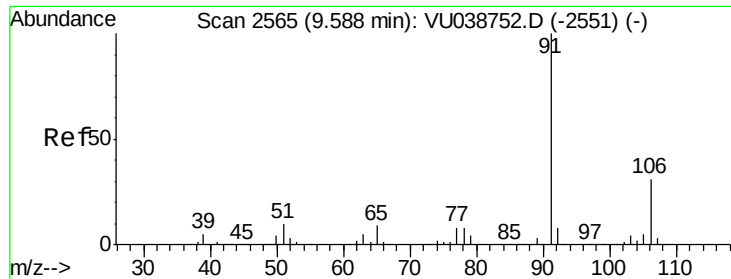
114 31.9 22.2 41.2

77 59.5 47.9 71.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 47.938 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

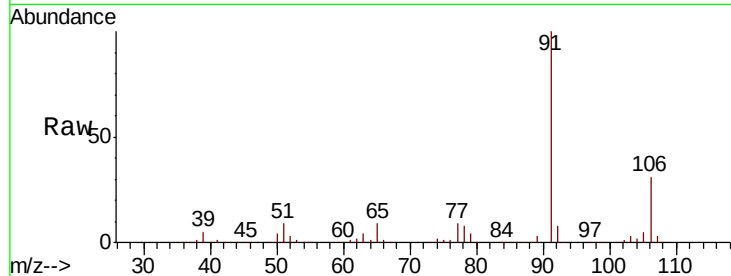
VSTD05049

Tot Ion: 91 Resp: 994156

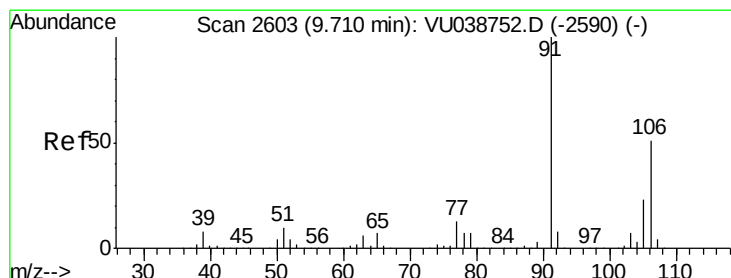
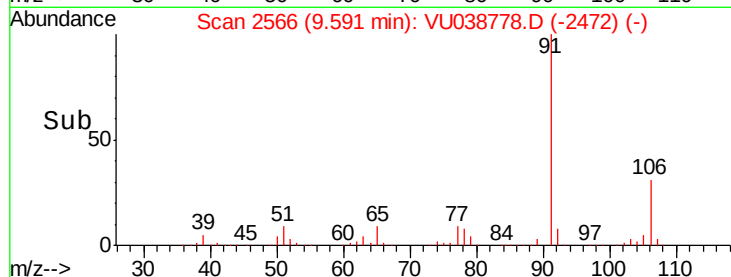
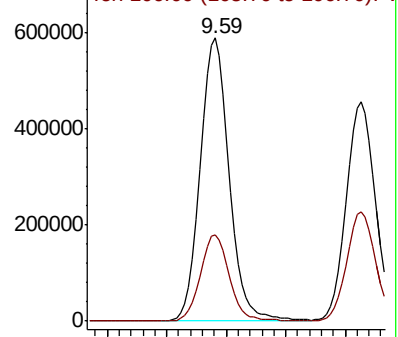
Ion Ratio Lower Upper

91 100

106 30.6 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU038752.D (-2551) (-)



#53

m,p-Xylene

Concen: 48.856 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038778.D

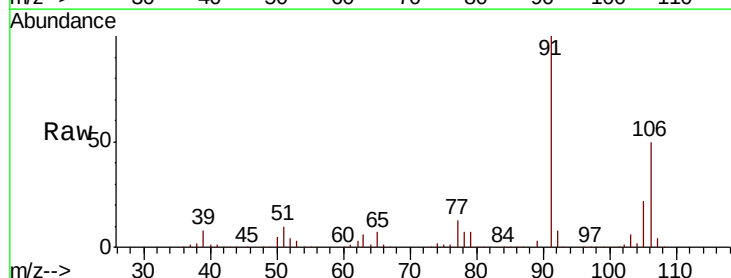
Acq: 10 Jun 2020 14:47

Tgt Ion: 106 Resp: 388935

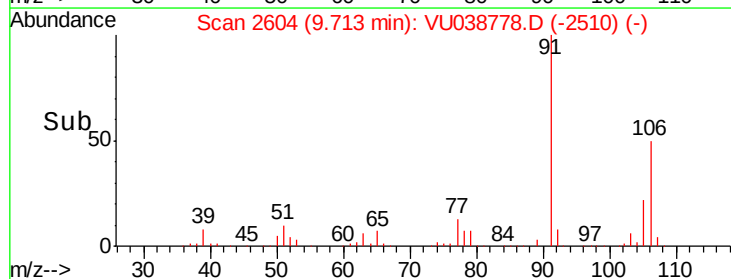
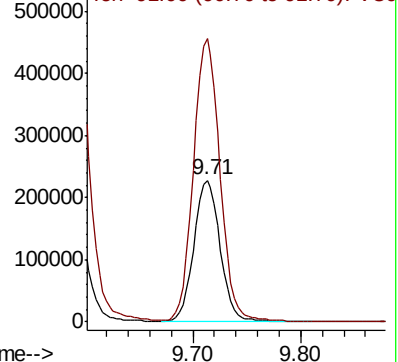
Ion Ratio Lower Upper

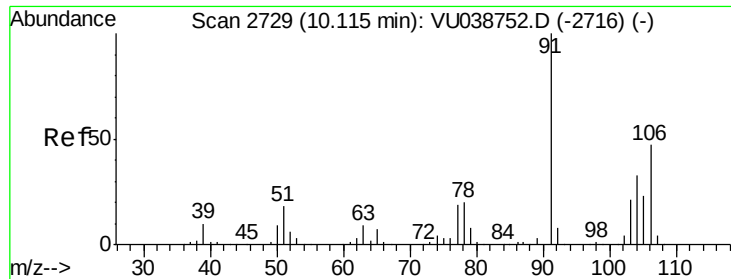
106 100

91 199.4 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): VU038778.D (-2510) (-)





#54

o-xylene

Concen: 48.258 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

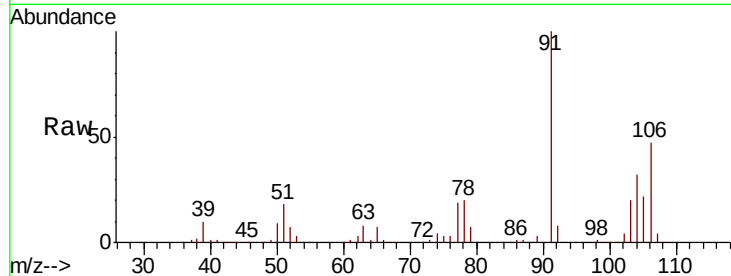
VSTD05049

Tot Ion:106 Resp: 372949

Ion Ratio Lower Upper

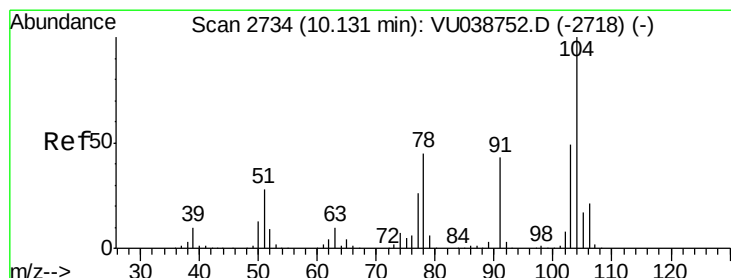
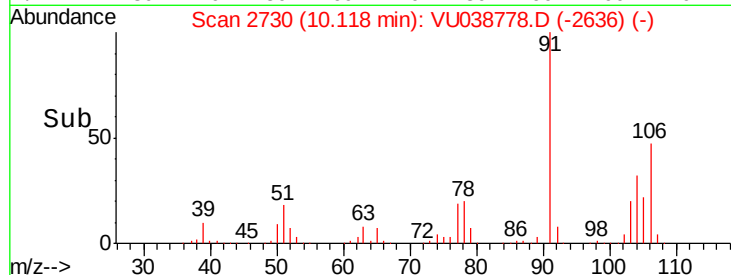
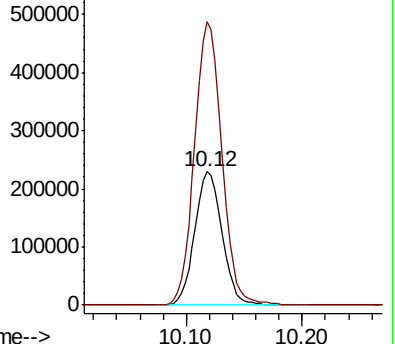
106 100

91 212.7 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 48.334 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU038778.D

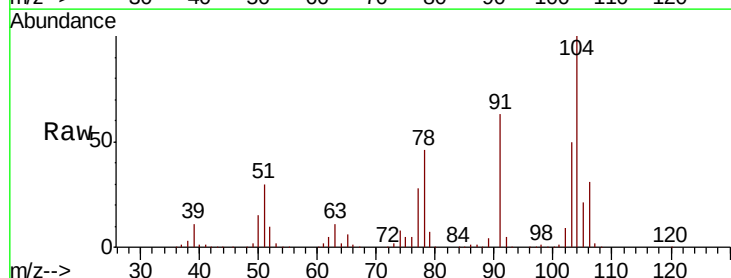
Acq: 10 Jun 2020 14:47

Tgt Ion:104 Resp: 647544

Ion Ratio Lower Upper

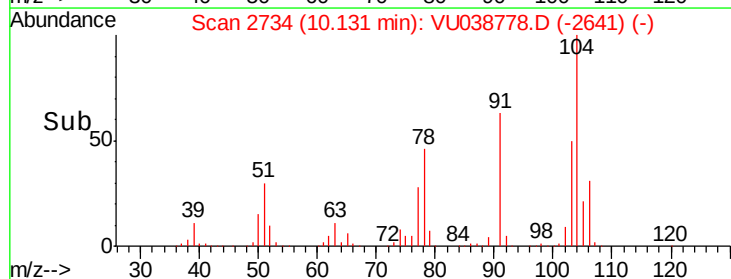
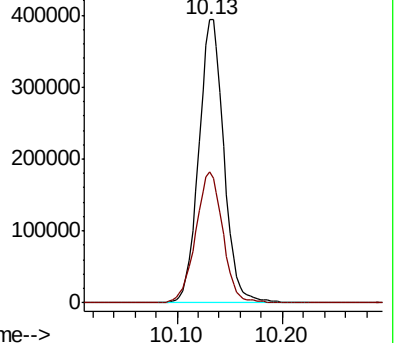
104 100

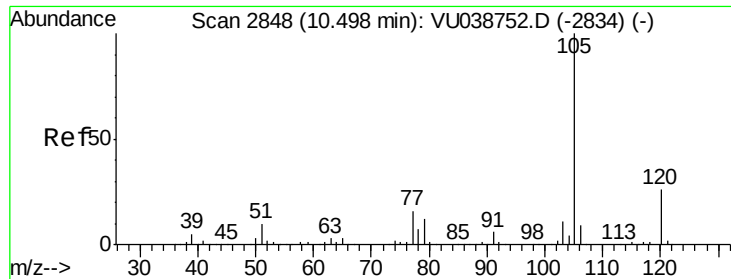
78 46.3 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 48.985 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

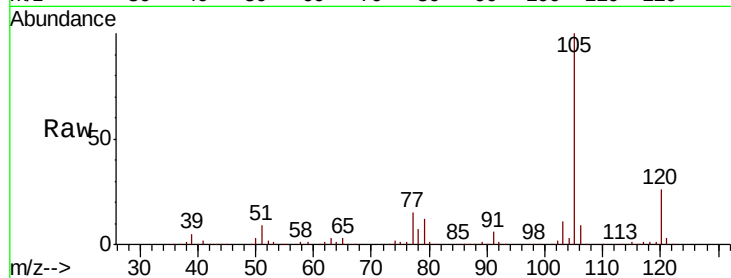
Tot Ion:105 Resp: 988028

Ion Ratio Lower Upper

105 100

120 25.7 20.9 31.3

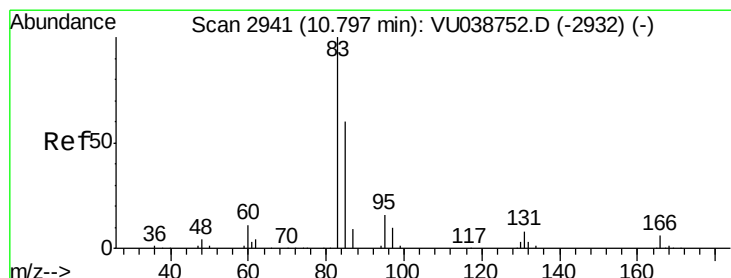
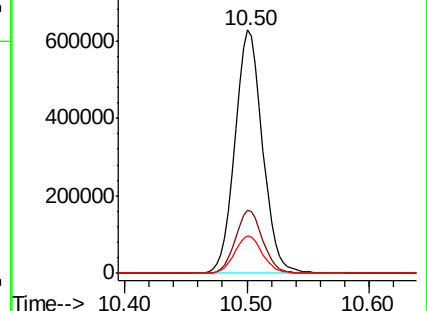
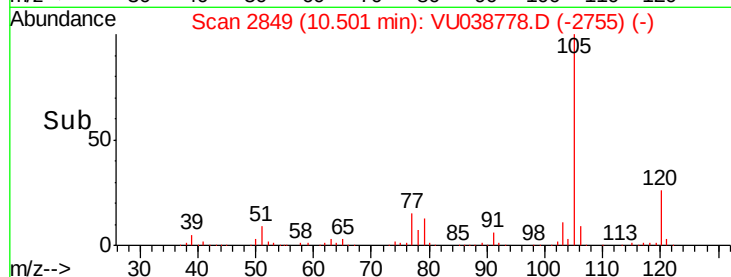
77 15.7 12.6 19.0



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: 43.865 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

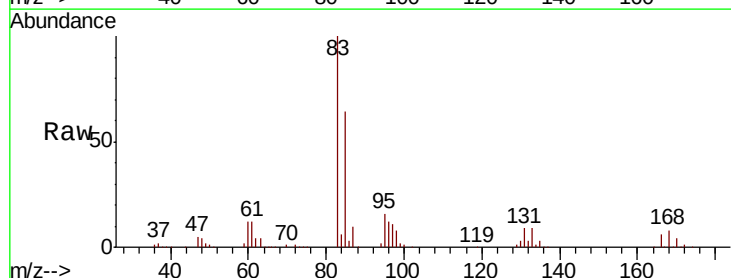
Tgt Ion: 83 Resp: 336493

Ion Ratio Lower Upper

83 100

85 64.3 45.3 84.1

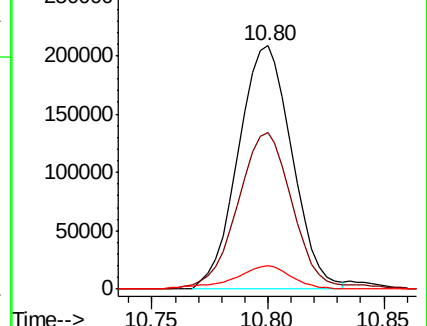
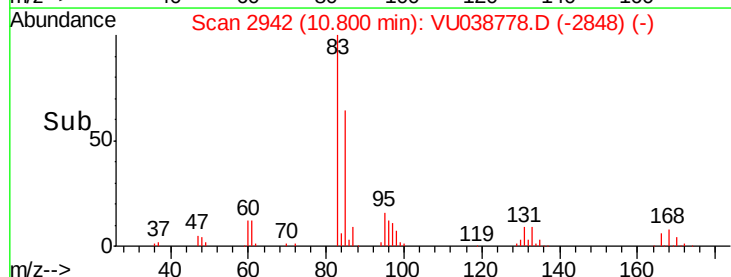
131 9.4 7.2 10.8

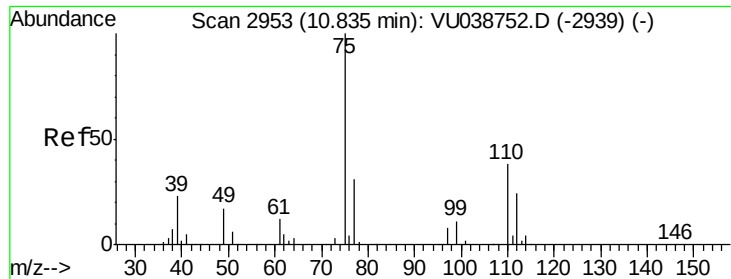


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 45.091 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

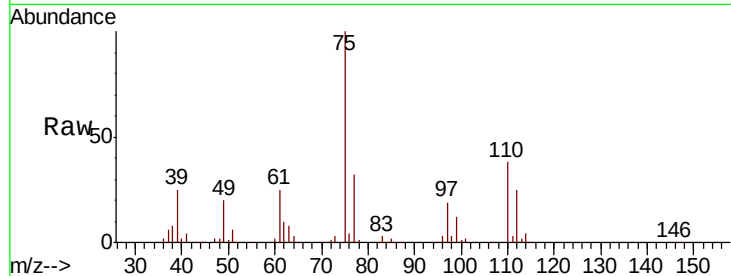
VSTD05049

Tot Ion: 75 Resp: 296084

Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VU038752.D (-2939) (-)

Ion 77.00 (76.70 to 77.70): VU038752.D (-2939) (-)

10.84

200000

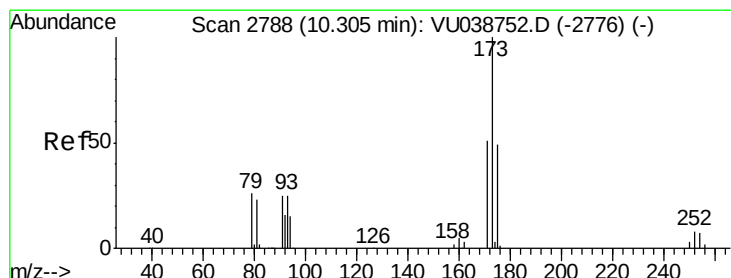
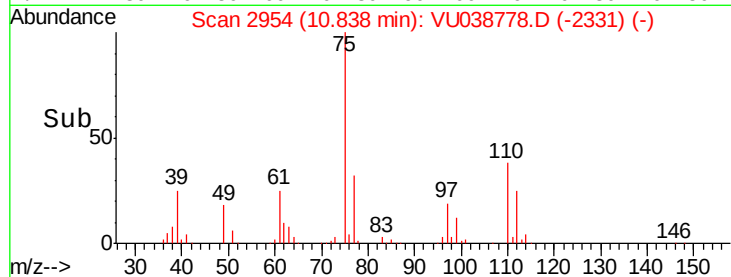
150000

100000

50000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 45.309 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.01 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

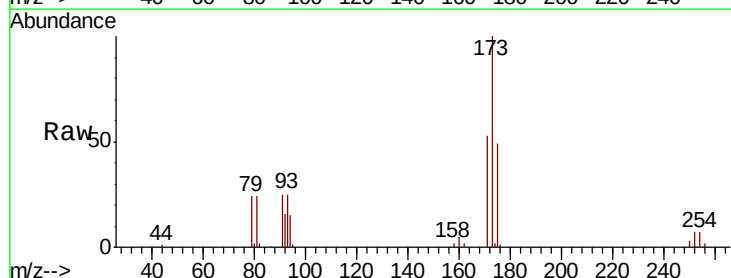
Tgt Ion: 173 Resp: 154728

Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.4

254 7.0 5.8 8.8



Abundance Ion 173.00 (172.70 to 173.70): VU038752.D (-2776) (-)

Ion 175.00 (174.70 to 175.70): VU038752.D (-2776) (-)

Ion 254.00 (253.70 to 254.70): VU038752.D (-2776) (-)

10.31

120000

100000

80000

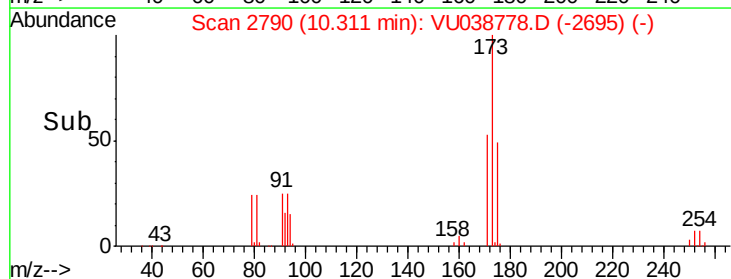
60000

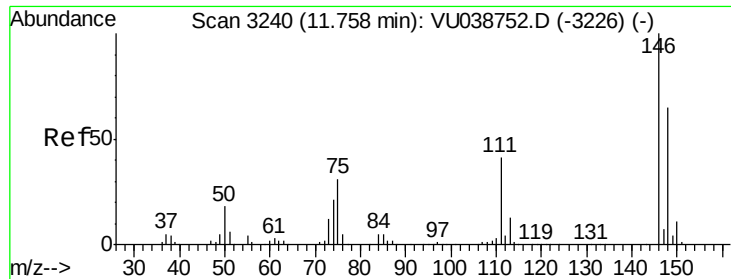
40000

20000

0

Time--> 10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 46.154 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

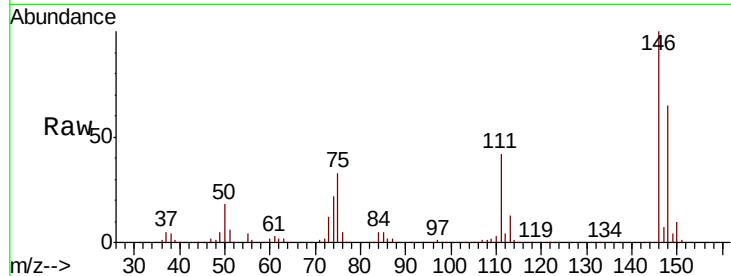
Tot Ion:146 Resp: 443524

Ion Ratio Lower Upper

146 100

111 42.3 29.2 54.2

148 65.2 45.2 84.0

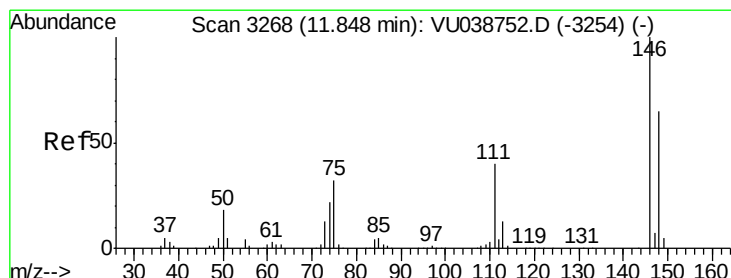
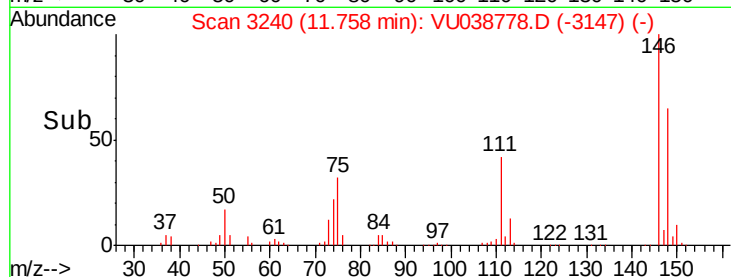
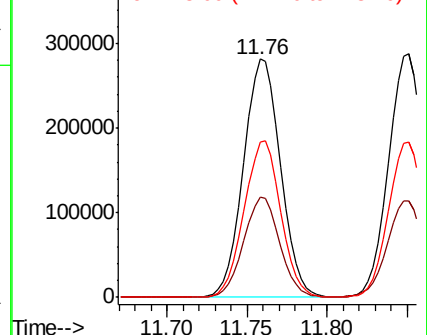


Abundance

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: 46.376 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

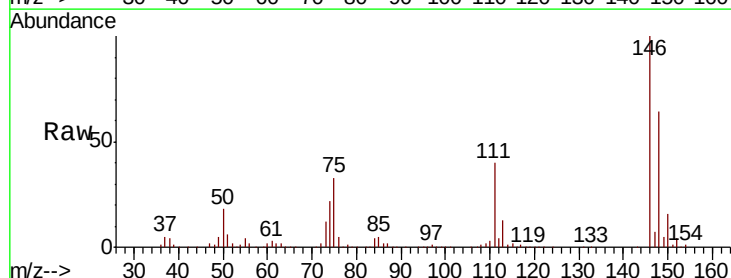
Tgt Ion:146 Resp: 451276

Ion Ratio Lower Upper

146 100

111 39.5 27.6 51.4

148 63.7 44.3 82.3

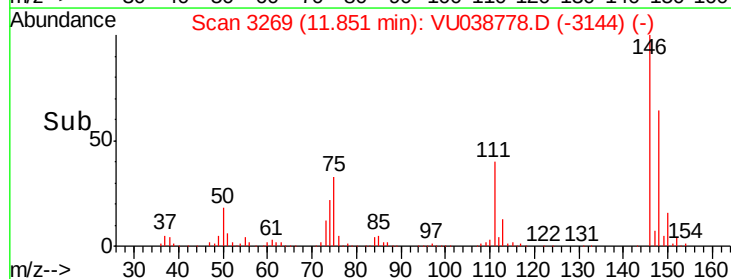
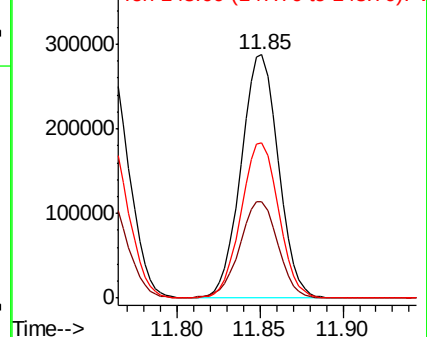


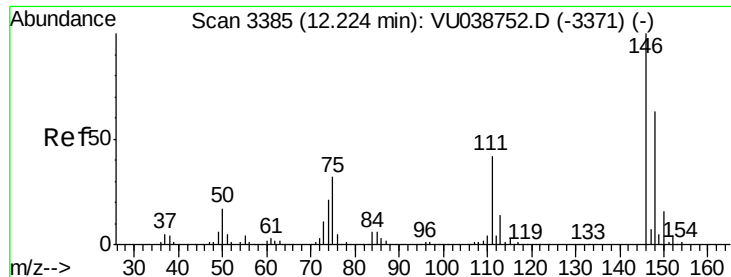
Abundance

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: 46.203 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

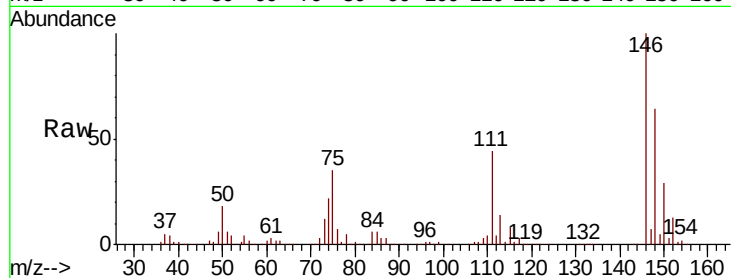
Tot Ion:146 Resp: 441903

Ion Ratio Lower Upper

146 100

111 44.4 34.8 52.2

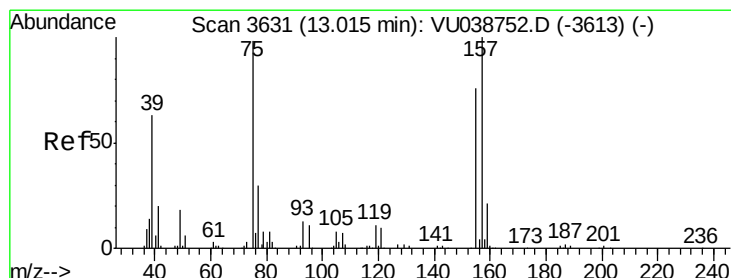
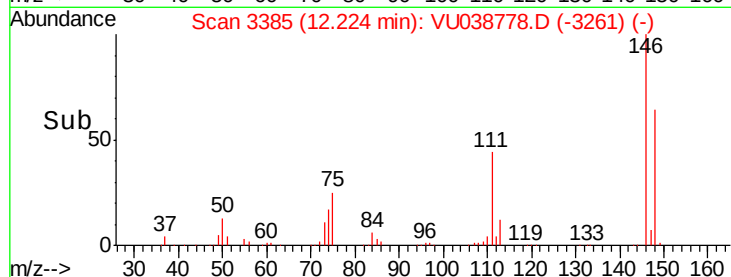
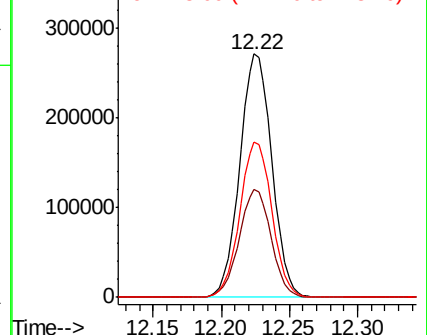
148 63.8 50.8 76.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 44.673 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

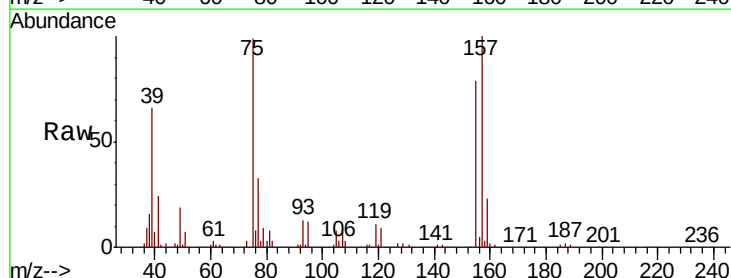
Tgt Ion: 75 Resp: 88544

Ion Ratio Lower Upper

75 100

155 79.4 63.8 95.6

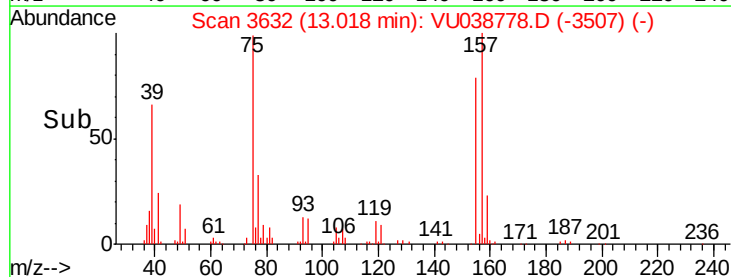
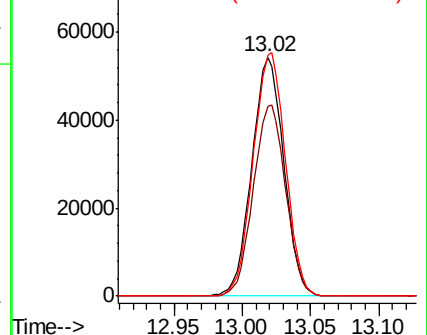
157 101.0 80.2 120.2

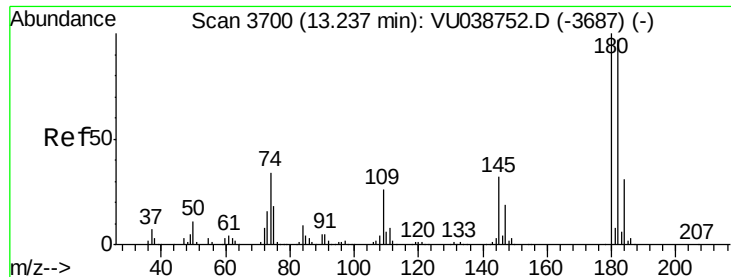


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

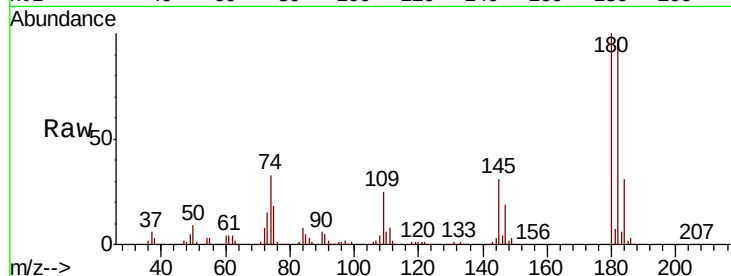




#67
 1,3,5-Trichlorobenzene
 Concen: 47.268 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.01 min
 Lab File: VU038778.D
 Acq: 10 Jun 2020 14:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.6	114.8
184	30.8	24.7	37.1
145	30.8	24.7	37.1



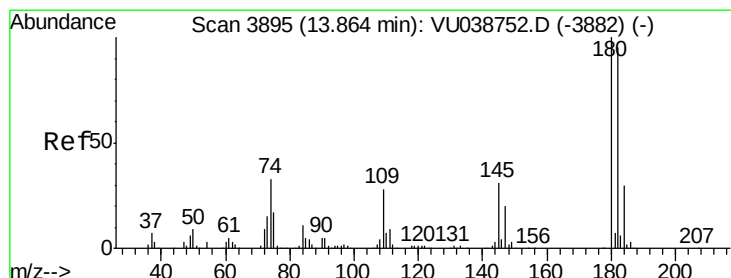
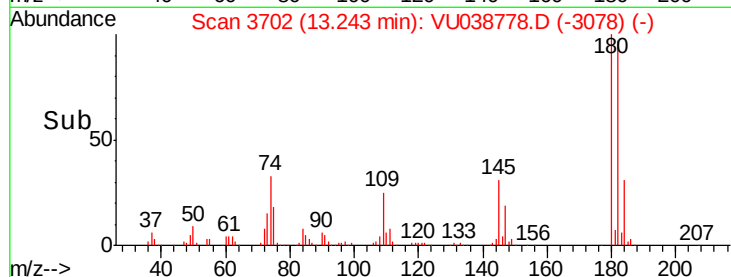
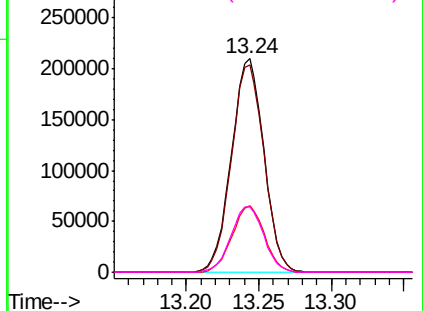
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

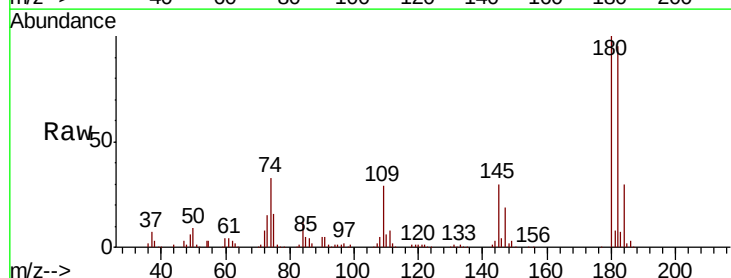
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.054 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.01 min
 Lab File: VU038778.D
 Acq: 10 Jun 2020 14:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.8	115.2
145	31.1	25.4	38.2

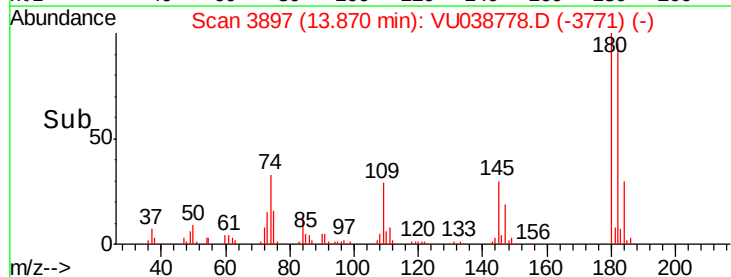
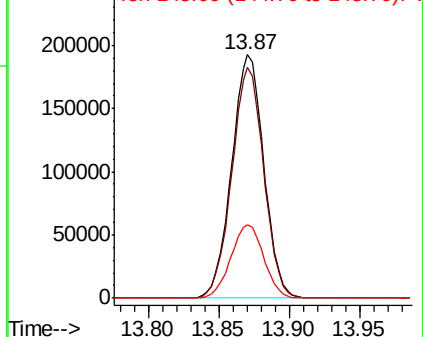


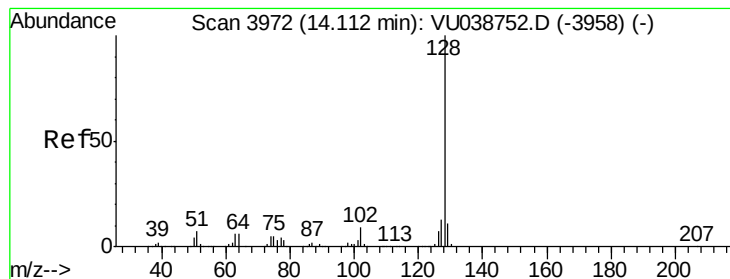
Abundance

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: 46.878 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.01 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

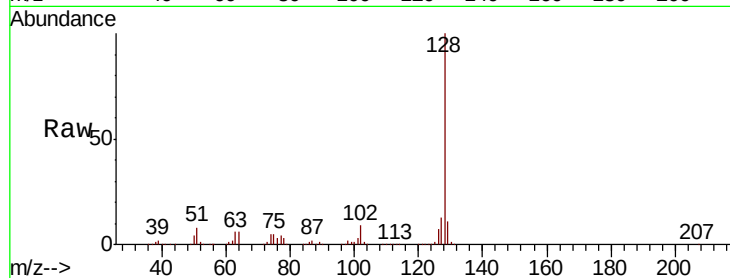
Tot Ion:128 Resp: 1078514

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

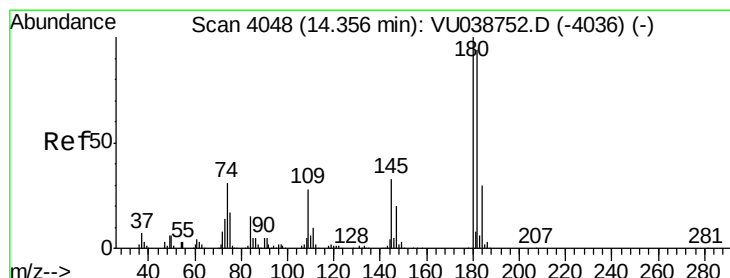
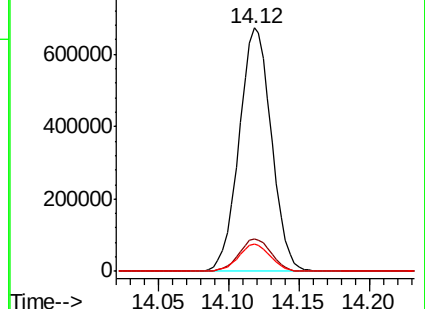
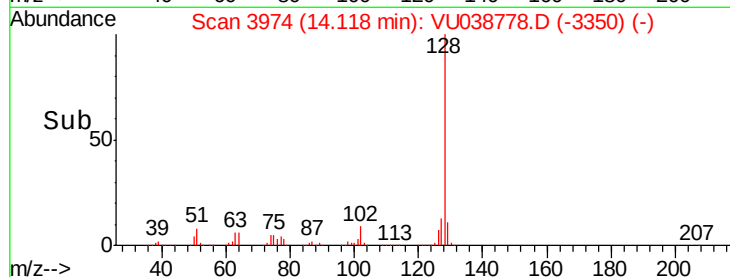
129 10.8 8.6 12.8



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: 46.927 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. 0.01 min

Lab File: VU038778.D

Acq: 10 Jun 2020 14:47

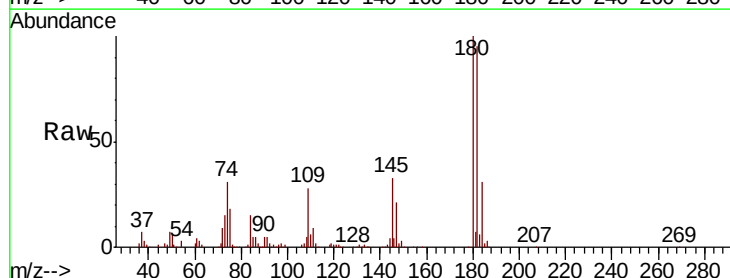
Tgt Ion:180 Resp: 306389

Ion Ratio Lower Upper

180 100

182 96.0 75.9 113.9

145 33.5 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

