

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051120\
 Data File : VU038112.D
 Acq On : 11 May 2020 17:27
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Quant Time: May 12 01:13:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 12 01:10:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	691962	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	671616	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	344115	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	311836	51.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.46%
7) Chloroethane-d5	1.93	69	260676	52.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.30%
11) 1,1-Dichloroethene-d2	2.59	63	500566	50.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.56%
21) 2-Butanone-d5	4.66	46	539684	113.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.45%
24) Chloroform-d	5.10	84	483560	51.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.62%
26) 1,2-Dichloroethane-d4	5.74	65	328804	50.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.44%
32) Benzene-d6	5.76	84	1042185	52.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.30%
36) 1,2-Dichloropropane-d6	6.72	67	337833	51.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.94%
41) Toluene-d8	7.92	98	943282	51.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.88%
43) trans-1,3-Dichloropropene-	8.20	79	158273	51.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.84%
47) 2-Hexanone-d5	8.65	63	345142	120.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.91%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	486658	51.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.90%
64) 1,2-Dichlorobenzene-d4	12.20	152	351668	48.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	238202	44.245 ug/L	99
3) Chloromethane	1.53	50	310880	45.564 ug/L	99
5) Vinyl chloride	1.62	62	320087	46.170 ug/L	100
6) Bromomethane	1.87	94	178484	54.052 ug/L	98
8) Chloroethane	1.95	64	198567	47.625 ug/L	99
9) Trichlorofluoromethane	2.16	101	338447	46.970 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	210419	47.515 ug/L	99
12) 1,1-Dichloroethene	2.60	96	211565	46.683 ug/L	86
13) Acetone	2.65	43	339854	110.918 ug/L	100
14) Carbon disulfide	2.82	76	652674	43.477 ug/L	99
15) Methyl Acetate	2.97	43	364523	54.641 ug/L	99
16) Methylene chloride	3.08	84	257918	48.281 ug/L	100
17) trans-1,2-Dichloroethene	3.39	96	231486	47.310 ug/L	99
18) Methyl tert-butyl Ether	3.40	73	800075	49.144 ug/L	100
19) 1,1-Dichloroethane	3.91	63	480855	49.333 ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	264895	48.962 ug/L	98
22) 2-Butanone	4.74	43	549235	110.753 ug/L	100

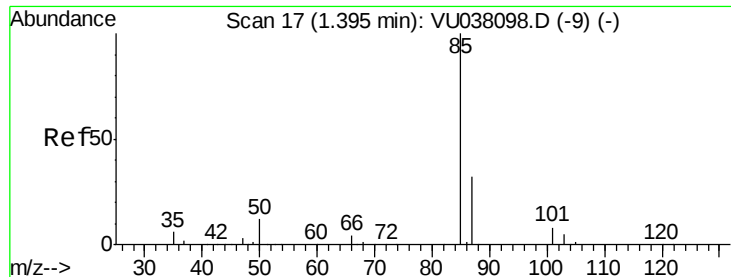
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051120\
 Data File : VU038112.D
 Acq On : 11 May 2020 17:27
 Operator : JC/MD
 Sample : VSTDCCC050EC
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Quant Time: May 12 01:13:30 2020
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 Quant Title : VOC Analysis
 QLast Update : Tue May 12 01:10:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	130005	51.085	ug/L	98
25) Chloroform	5.12	83	463658	49.555	ug/L	100
27) 1,2-Dichloroethane	5.83	62	375580	48.545	ug/L	99
29) Cyclohexane	5.42	56	405425	46.198	ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	367695	49.253	ug/L	99
31) Carbon tetrachloride	5.56	117	292394	49.615	ug/L	99
33) Benzene	5.81	78	1030531	49.083	ug/L	100
34) Trichloroethene	6.57	95	246826	48.481	ug/L	97
35) Methylcyclohexane	6.79	83	393982	46.069	ug/L	100
37) 1,2-Dichloropropane	6.82	63	282008	50.239	ug/L	99
38) Bromodichloromethane	7.13	83	335723	49.258	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	436545	50.734	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	978955	107.636	ug/L	99
42) Toluene	7.99	91	1067872	48.411	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	405982	50.536	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	258833	50.912	ug/L	98
46) Tetrachloroethene	8.57	164	175213	47.137	ug/L	98
48) 2-Hexanone	8.70	43	802326	107.045	ug/L	99
49) Dibromochloromethane	8.83	129	255818	52.176	ug/L	99
50) 1,2-Dibromoethane	8.94	107	272798	49.951	ug/L #	97
51) Chlorobenzene	9.47	112	671822	48.915	ug/L	98
52) Ethylbenzene	9.59	91	1181827	48.332	ug/L	99
53) m,p-Xylene	9.71	106	458836	49.421	ug/L	100
54) o-xylene	10.11	106	448423	49.057	ug/L	99
55) Styrene	10.13	104	768623	49.504	ug/L	97
56) Isopropylbenzene	10.50	105	1142938	48.560	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	462057	50.908	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	399676	51.351	ug/L	99
61) Bromoform	10.31	173	180263	48.991	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	518911	47.099	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	521226	46.820	ug/L	100
65) 1,2-Dichlorobenzene	12.22	146	523163	47.071	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	115996	50.000	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	368208	49.023	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	349258	48.512	ug/L	98
69) Naphthalene	14.11	128	1363741	49.373	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	356620	50.331	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 44.245 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

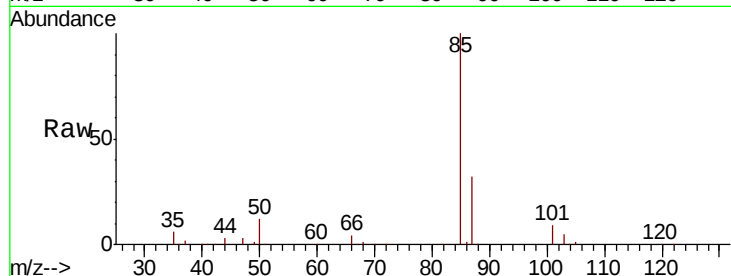
VSTD05038

Tot Ion: 85 Resp: 238202

Ion Ratio Lower Upper

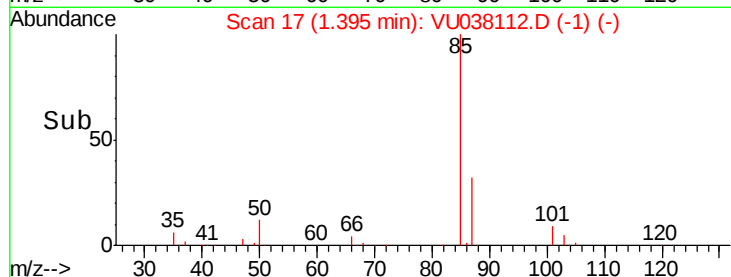
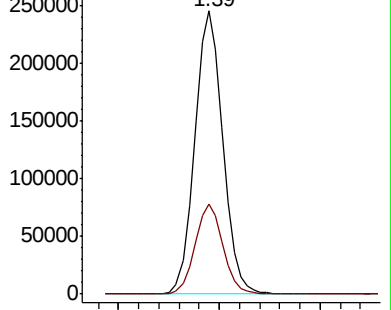
85 100

87 31.5 25.4 38.2

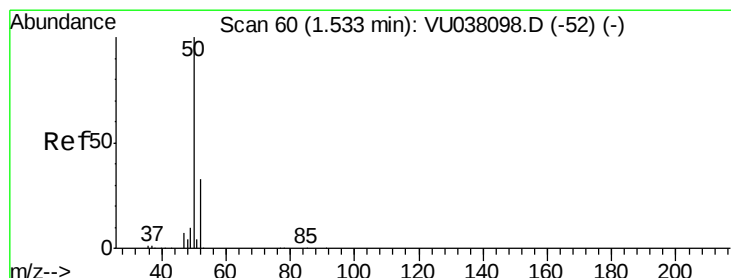


Abundance Ion 85.00 (84.70 to 85.70): VU038098.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038098.D (-9) (-)



Time-->



#3

Chloromethane

Concen: 45.564 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038112.D

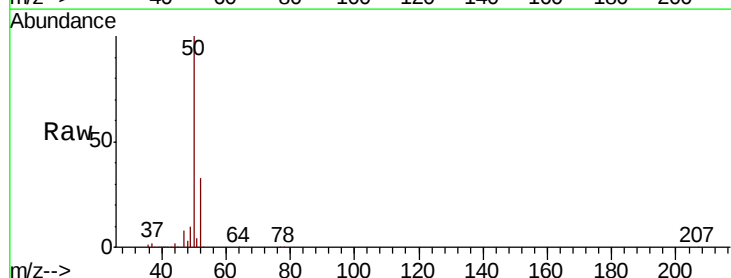
Acq: 11 May 2020 17:27

Tgt Ion: 50 Resp: 310880

Ion Ratio Lower Upper

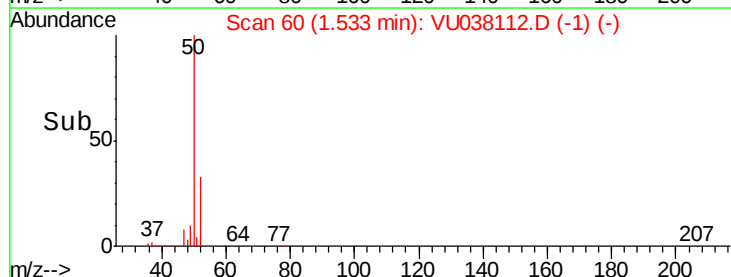
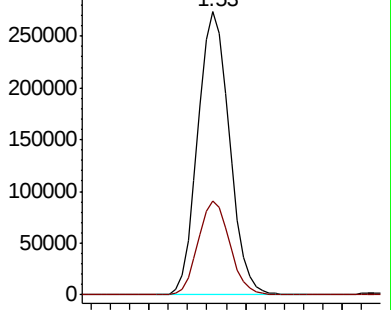
50 100

52 33.4 22.9 42.5

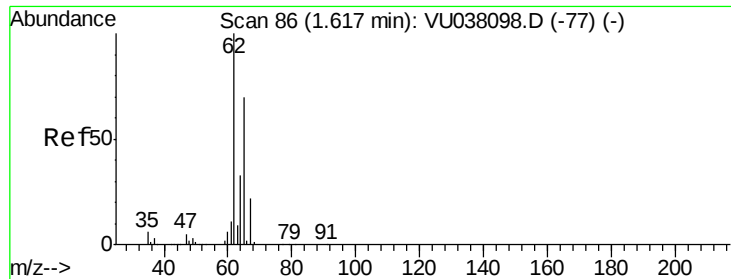


Abundance Ion 50.00 (49.70 to 50.70): VU038098.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU038098.D (-52) (-)



Time-->



#5

Vinyl chloride

Concen: 46.170 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

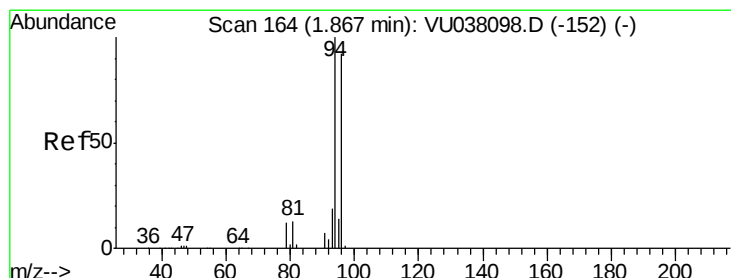
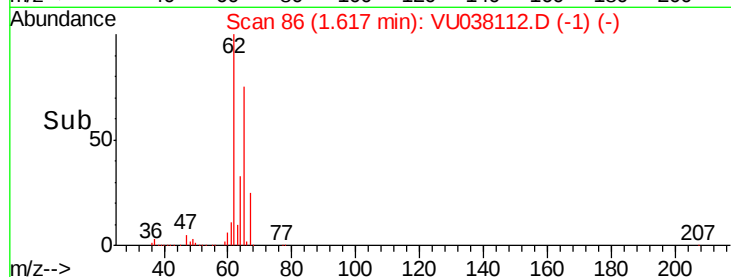
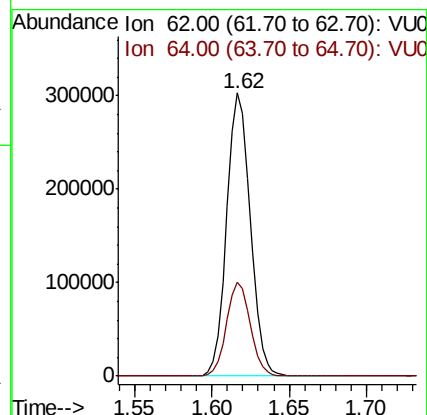
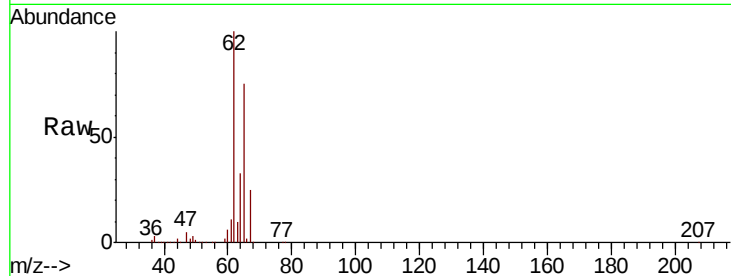
VSTD05038

Tot Ion: 62 Resp: 320087

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.2



#6

Bromomethane

Concen: 54.052 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU038112.D

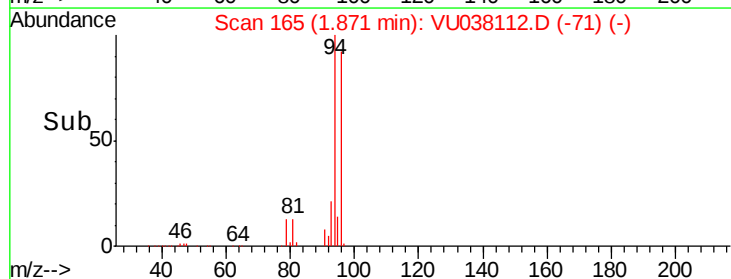
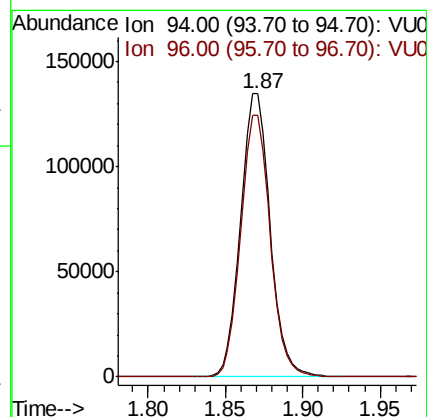
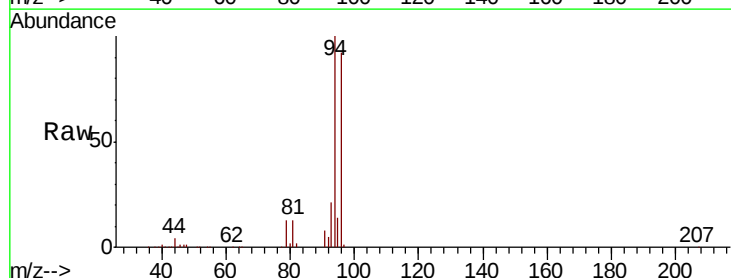
Acq: 11 May 2020 17:27

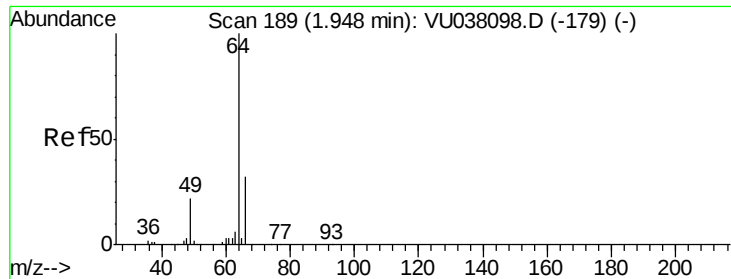
Tgt Ion: 94 Resp: 178484

Ion Ratio Lower Upper

94 100

96 92.3 65.9 122.5





#8

Chloroethane

Concen: 47.625 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

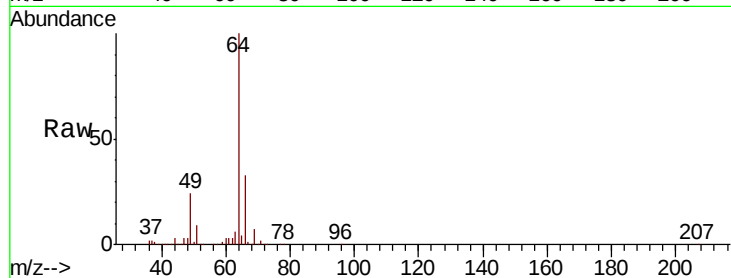
VSTD05038

Tot Ion: 64 Resp: 198567

Ion Ratio Lower Upper

64 100

66 32.5 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU038098.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU038098.D (-179) (-)

1.95

150000

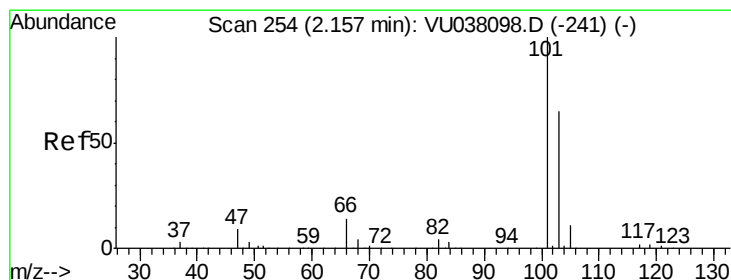
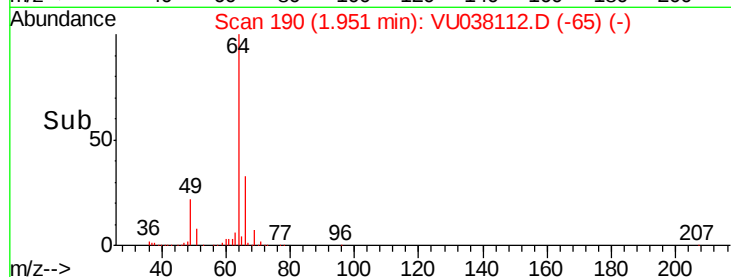
100000

50000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 46.970 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038112.D

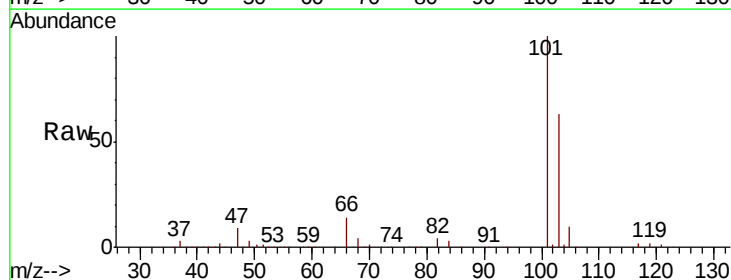
Acq: 11 May 2020 17:27

Tgt Ion: 101 Resp: 338447

Ion Ratio Lower Upper

101 100

103 63.5 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU038098.D (-241) (-)

Ion 103.00 (102.70 to 103.70): VU038098.D (-241) (-)

2.16

250000

200000

150000

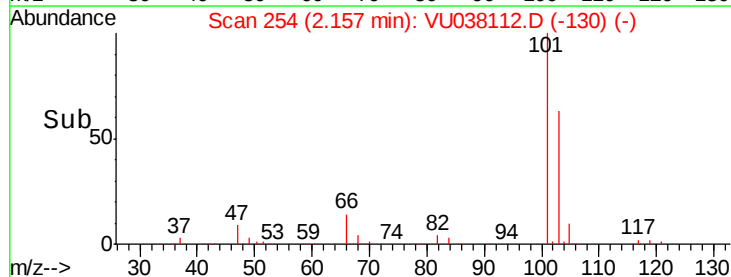
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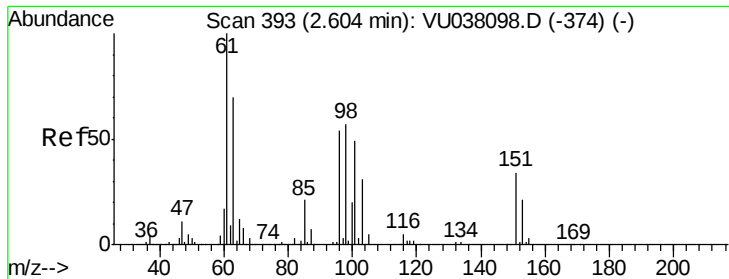
50000

0

2.10 2.15 2.20 2.25

Time-->





#10

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

Concen: 47.515 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

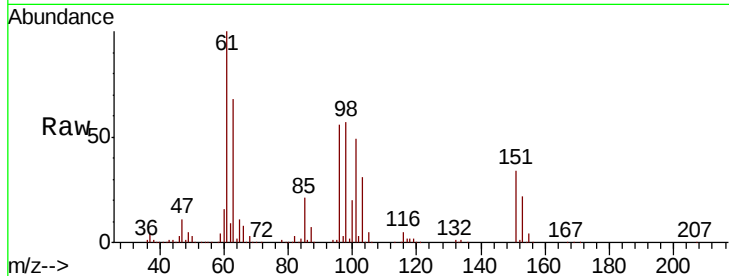
Tot Ion:101 Resp: 210419

Ion Ratio Lower Upper

101 100

85 43.6 34.7 52.1

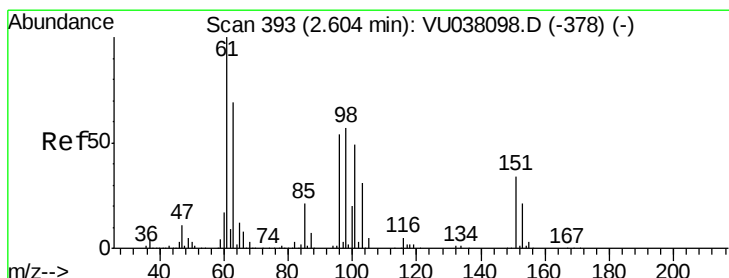
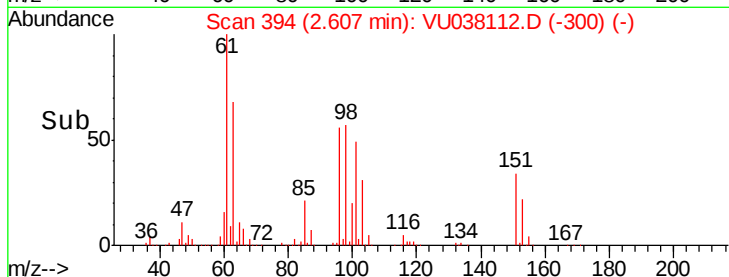
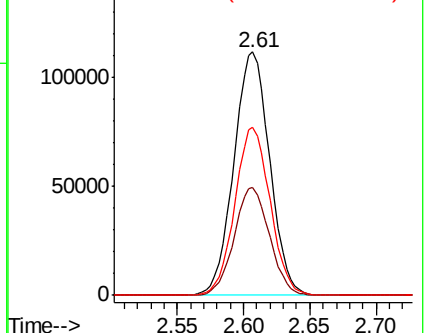
151 68.0 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.683 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

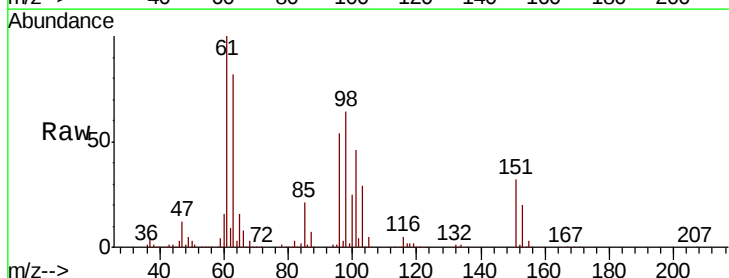
Tgt Ion: 96 Resp: 211565

Ion Ratio Lower Upper

96 100

61 184.6 126.1 234.3

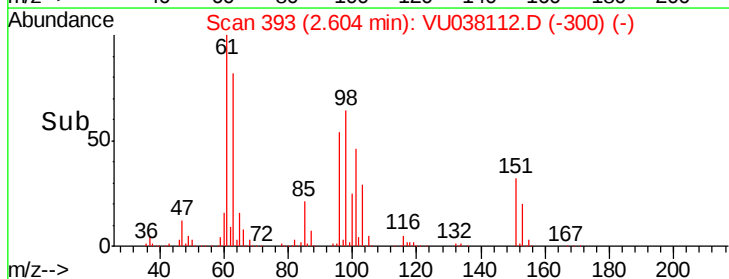
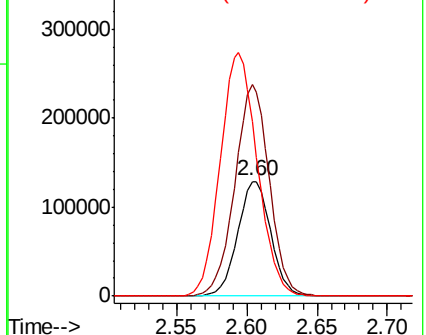
63 152.0 83.4 154.8

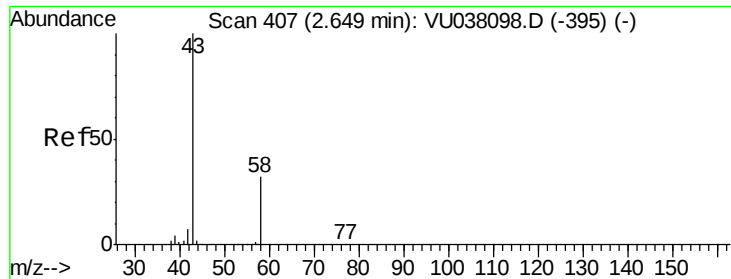


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 110.918 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

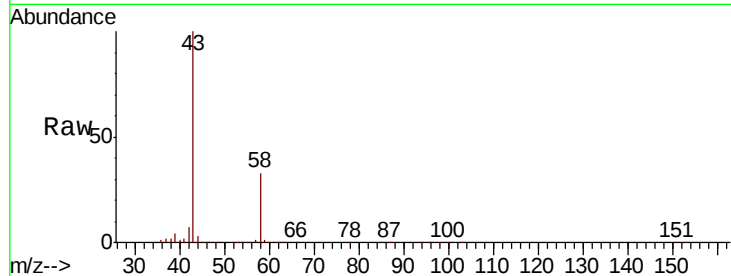
VSTD05038

Tot Ion: 43 Resp: 339854

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU038098.D (-395) (-)

Ion 58.00 (57.70 to 58.70): VU038098.D (-395) (-)

2.65

200000

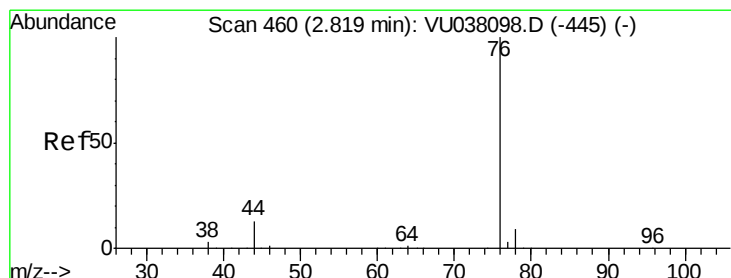
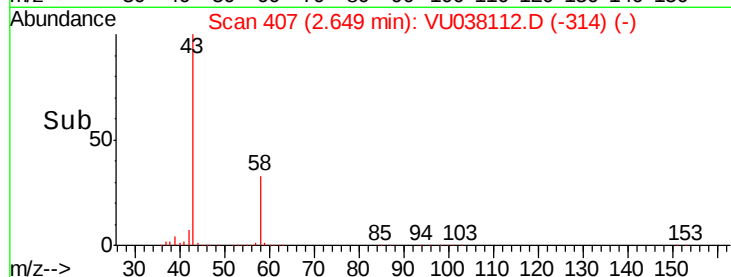
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 43.477 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038112.D

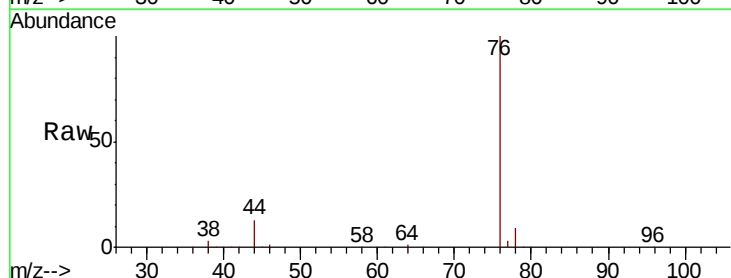
Acq: 11 May 2020 17:27

Tgt Ion: 76 Resp: 652674

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VU038098.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038098.D (-445) (-)

2.82

400000

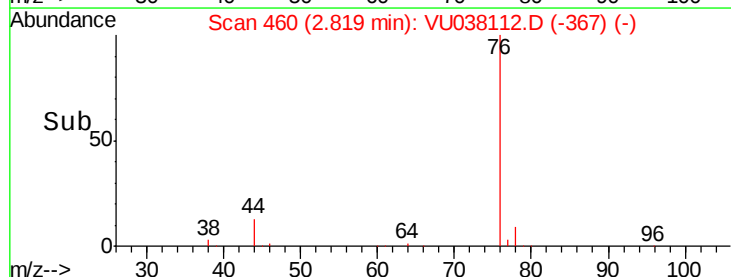
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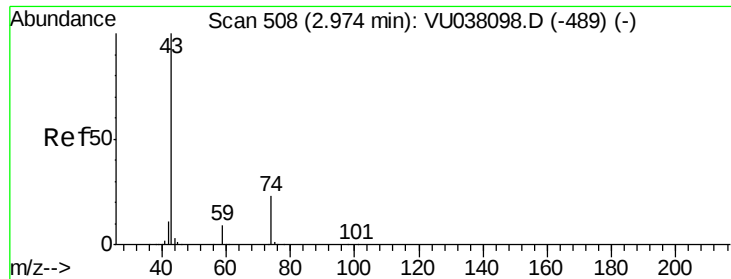
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100000

0

Time-->

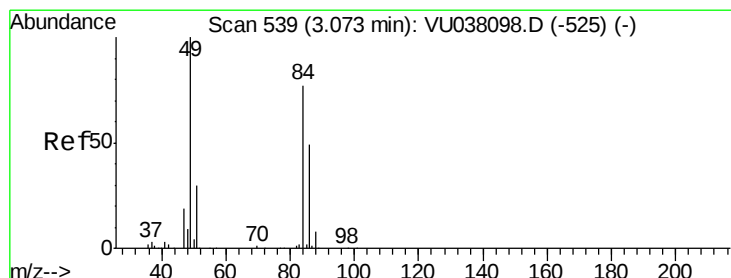
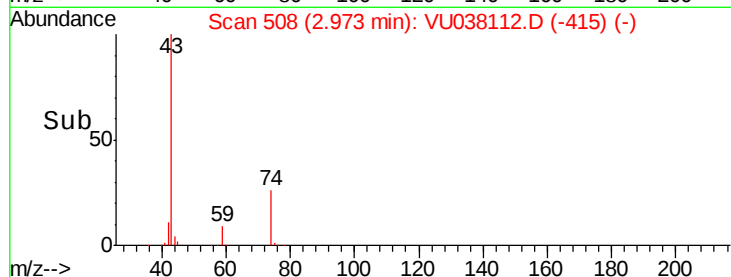
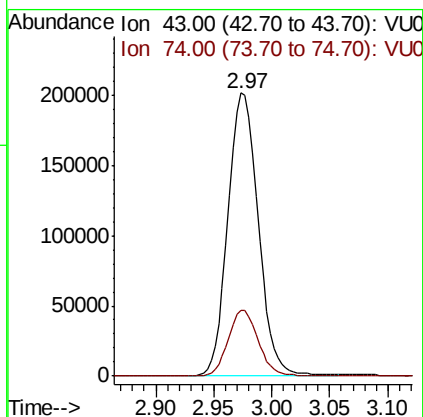
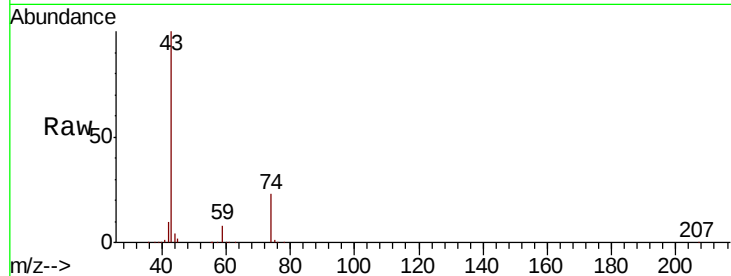




#15
Methvl Acetate
Concen: 54.641 ug/L
RT: 2.97 min Scan# 508
Delta R.T. -0.00 min
Lab File: VU038112.D
Acq: 11 May 2020 17:27

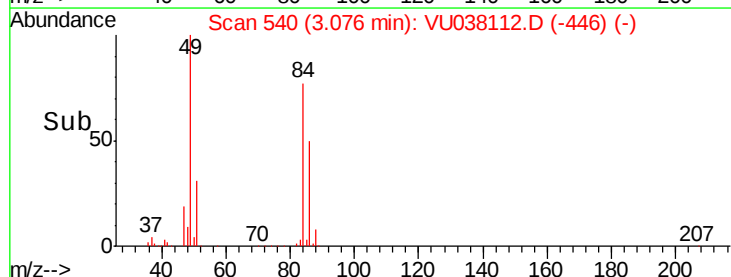
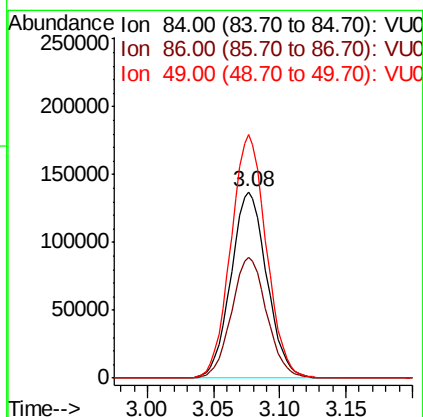
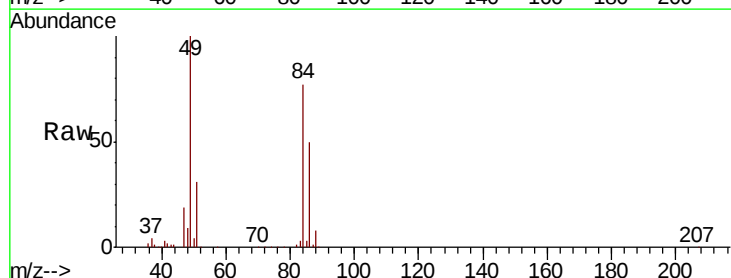
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

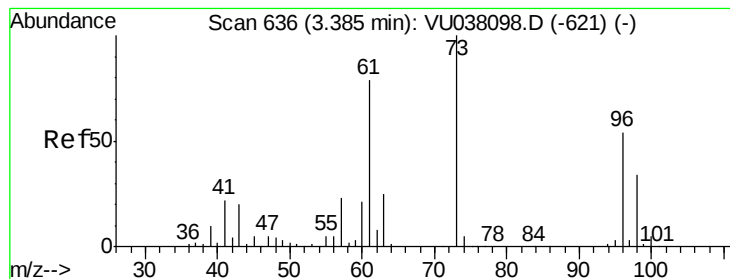
Tot Ion: 43 Resp: 364523
Ion Ratio Lower Upper
43 100
74 22.9 18.6 27.8



#16
Methylene chloride
Concen: 48.281 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038112.D
Acq: 11 May 2020 17:27

Tgt Ion: 84 Resp: 257918
Ion Ratio Lower Upper
84 100
86 64.7 45.1 83.9
49 130.5 91.2 169.4





#17

trans-1,2-Dichloroethene

Concen: 47.310 ug/L

RT: 3.39 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

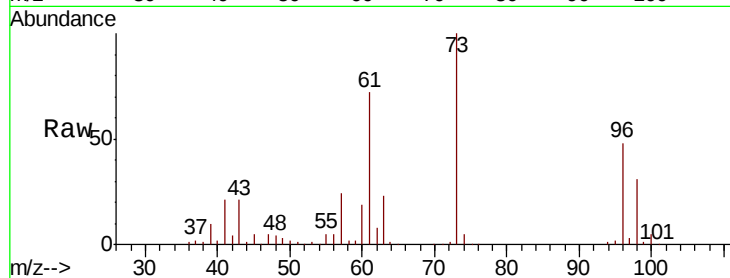
Tot Ion: 96 Resp: 231486

Ion Ratio Lower Upper

96 100

61 148.5 104.9 194.9

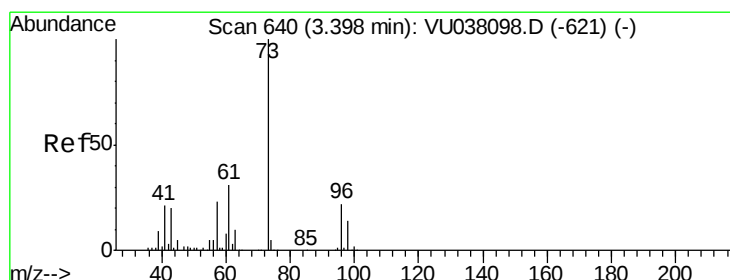
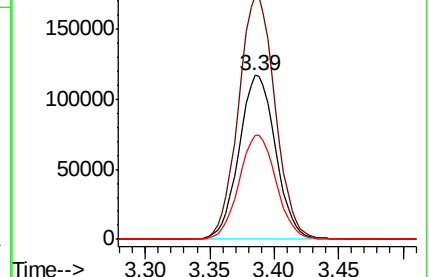
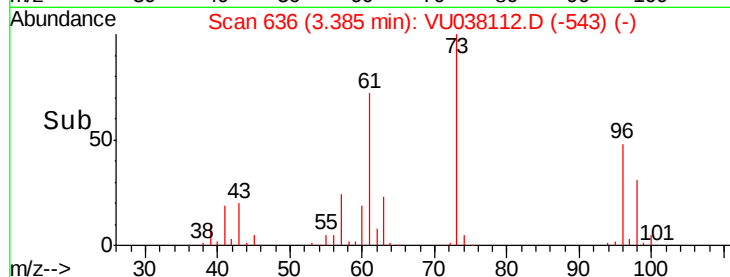
98 63.5 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU038112.D (-543) (-)

Ion 61.00 (60.70 to 61.70): VU038112.D (-543) (-)

Ion 98.00 (97.70 to 98.70): VU038112.D (-543) (-)



#18

Methyl tert-butyl Ether

Concen: 49.144 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

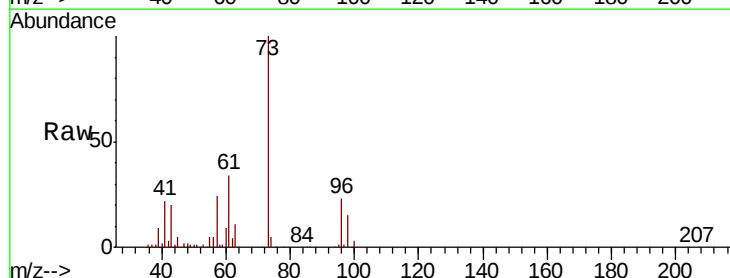
Tgt Ion: 73 Resp: 800075

Ion Ratio Lower Upper

73 100

43 20.3 16.3 24.5

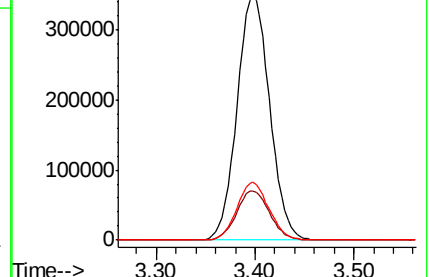
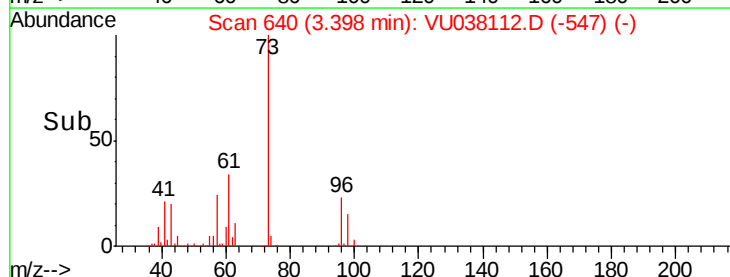
57 23.1 18.4 27.6

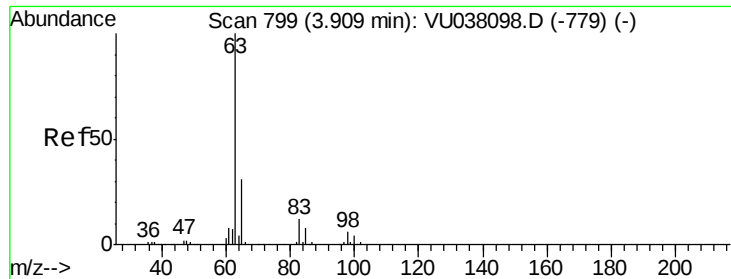


Abundance Ion 73.00 (72.70 to 73.70): VU038112.D (-547) (-)

Ion 43.00 (42.70 to 43.70): VU038112.D (-547) (-)

Ion 57.00 (56.70 to 57.70): VU038112.D (-547) (-)

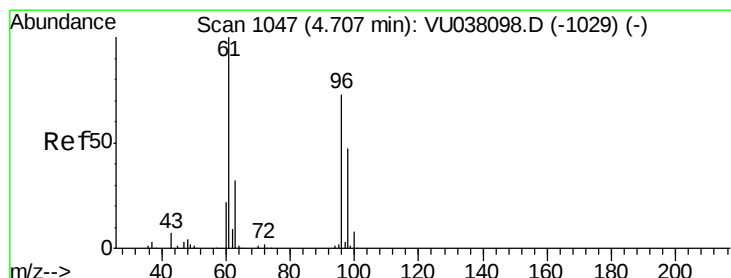
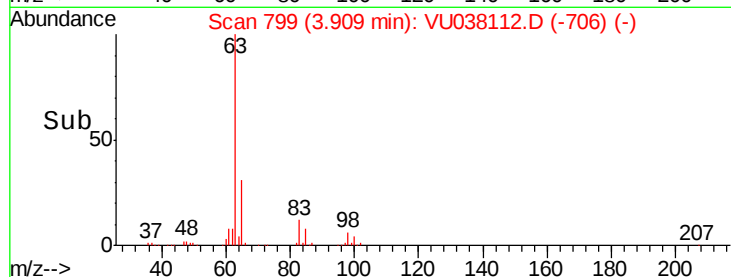
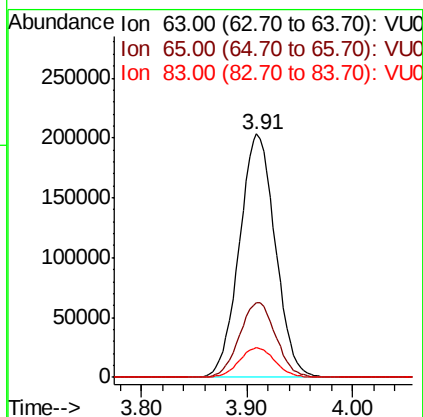
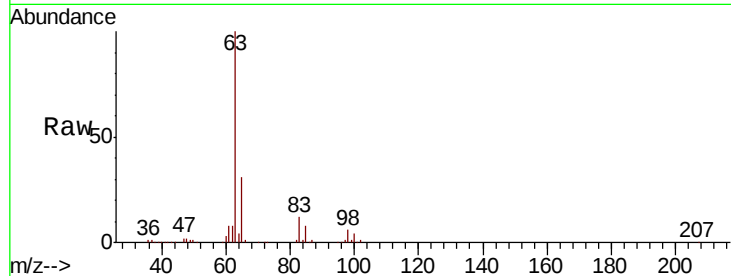




#19
 1,1-Dichloroethane
 Concen: 49.333 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

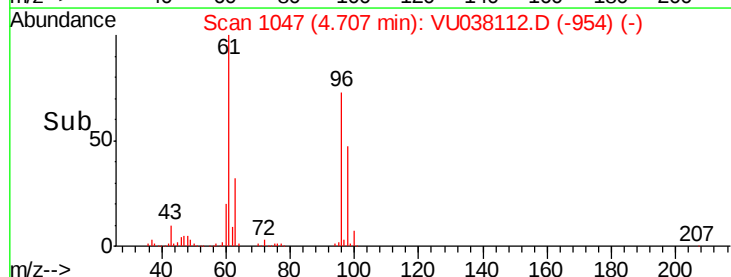
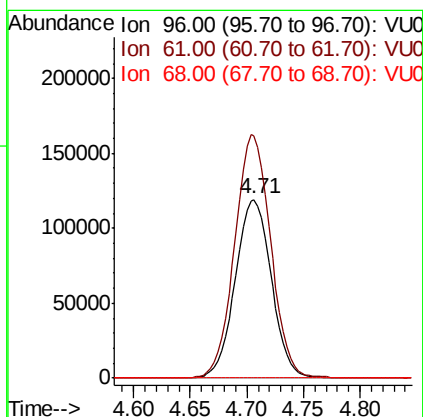
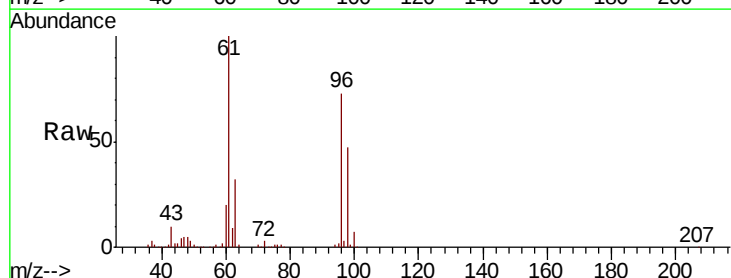
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

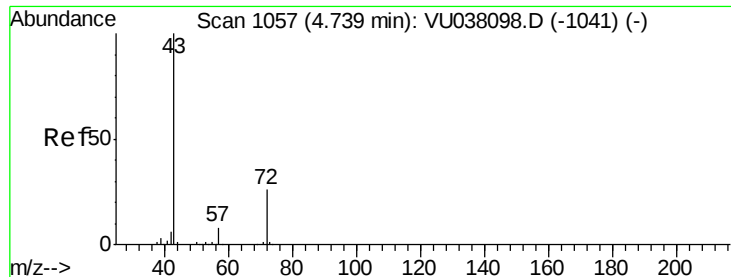
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	22.5	41.7
83	12.1	8.5	15.7



#20
 cis-1,2-Dichloroethene
 Concen: 48.962 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.1	93.9	174.3
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 110.753 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

Instrument :

MSVOA_U

ClientSampled :

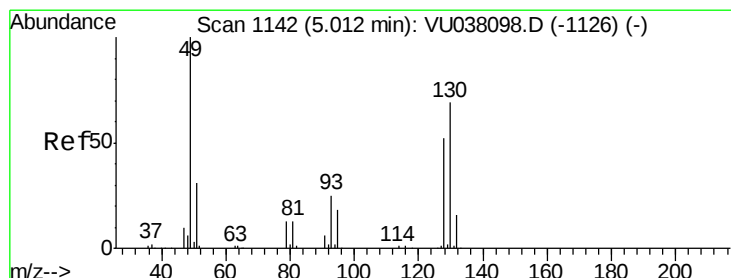
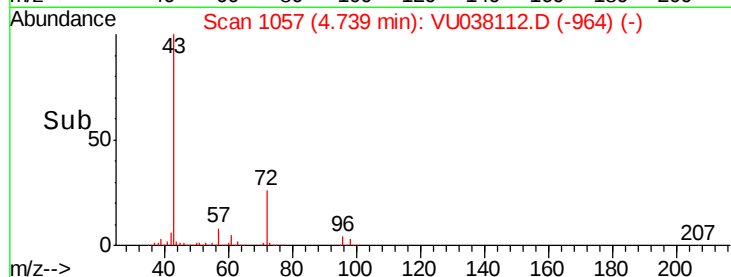
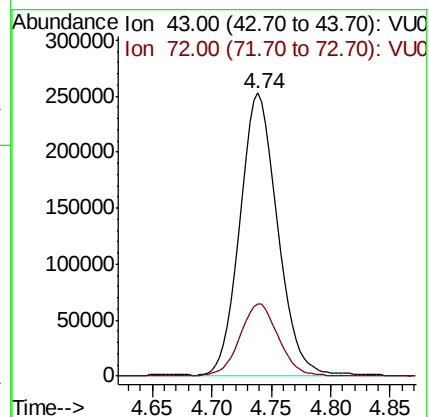
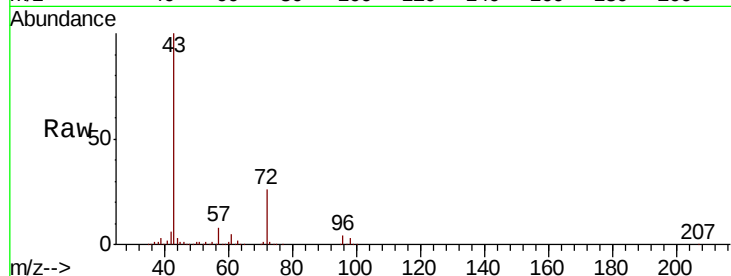
VSTD05038

Tot Ion: 43 Resp: 549235

Ion Ratio Lower Upper

43 100

72 26.6 13.4 40.1



#23

Bromochloromethane

Concen: 51.085 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

Tgt Ion: 128 Resp: 130005

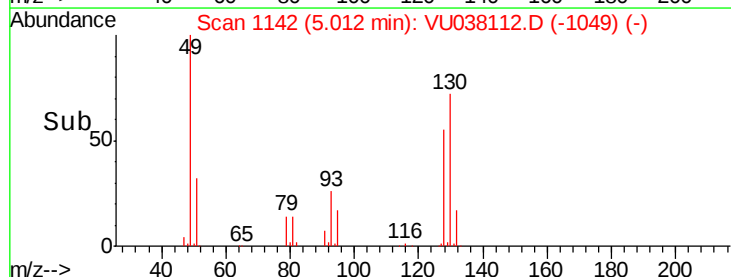
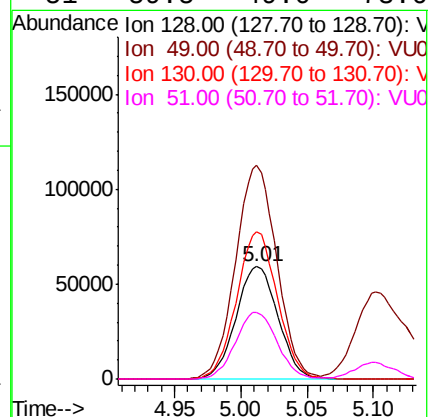
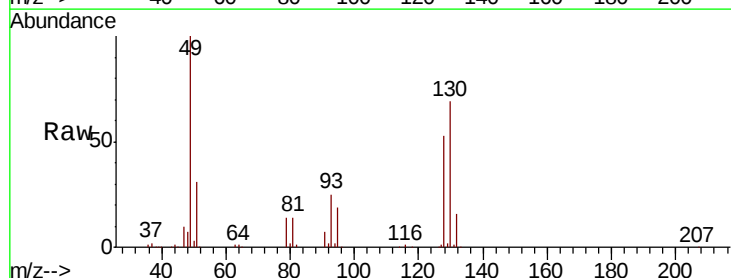
Ion Ratio Lower Upper

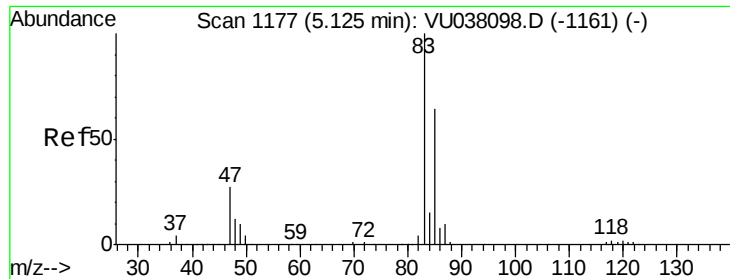
128 100

49 190.0 136.2 252.9

130 131.4 91.3 169.5

51 59.5 49.0 73.6

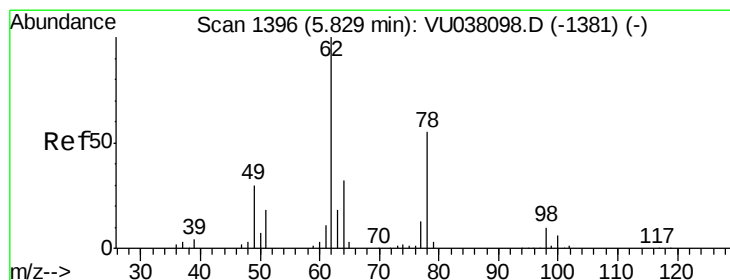
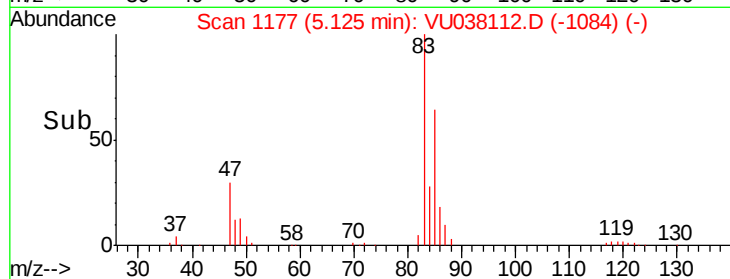
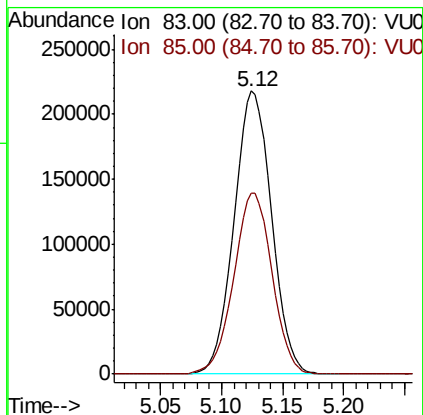
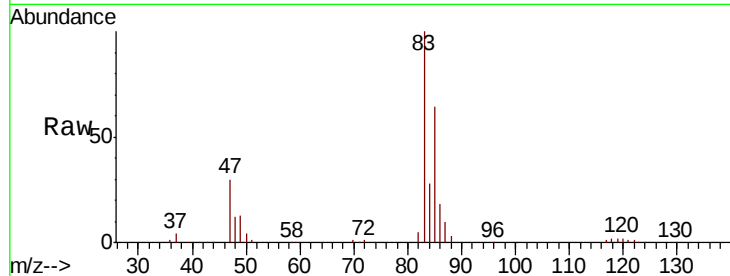




#25
Chloroform
Concen: 49.555 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038112.D
Acq: 11 May 2020 17:27

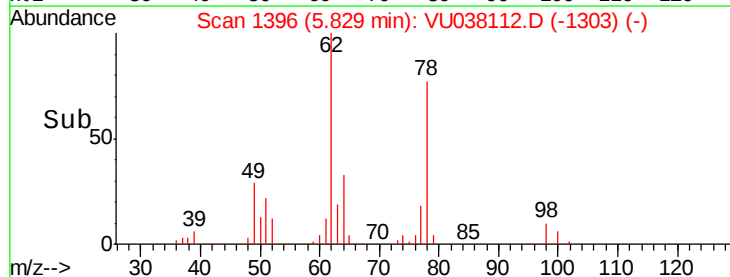
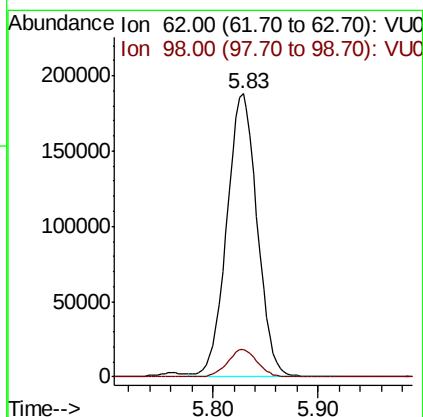
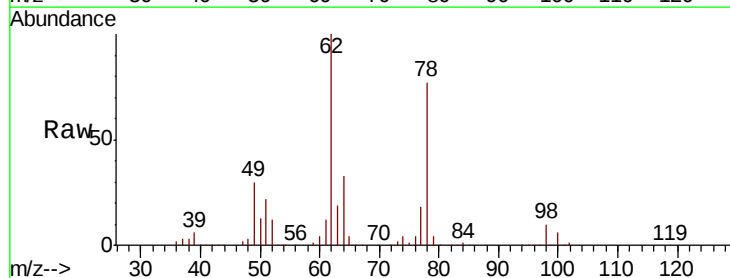
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

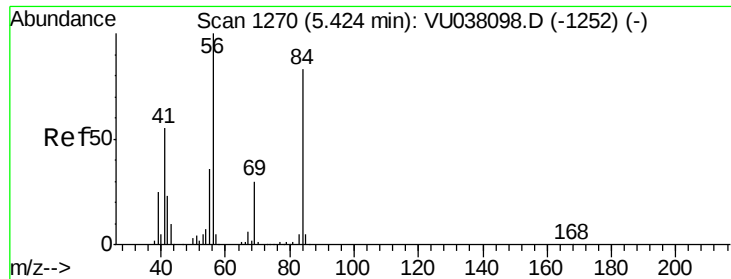
Tot Ion: 83 Resp: 463658
Ion Ratio Lower Upper
83 100
85 64.1 45.0 83.6



#27
1,2-Dichloroethane
Concen: 48.545 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038112.D
Acq: 11 May 2020 17:27

Tgt Ion: 62 Resp: 375580
Ion Ratio Lower Upper
62 100
98 9.8 7.6 11.4

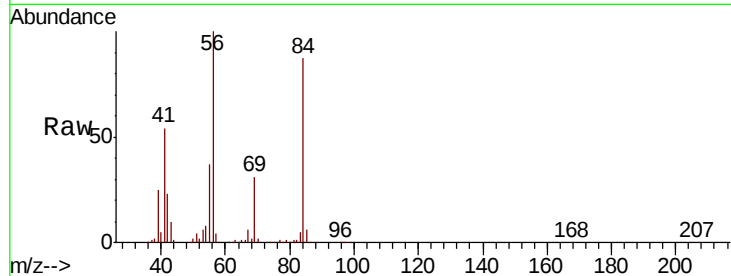




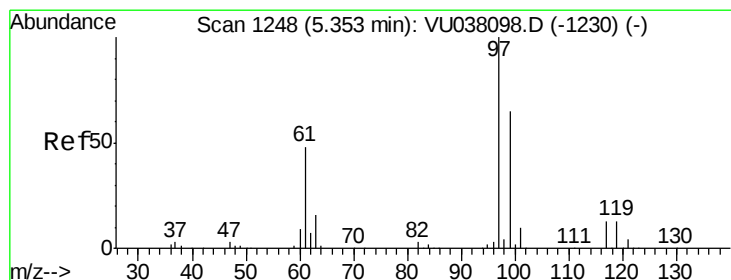
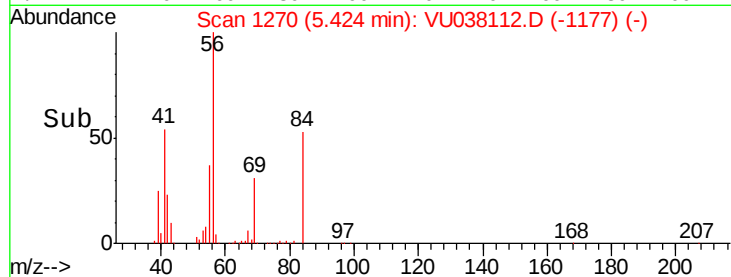
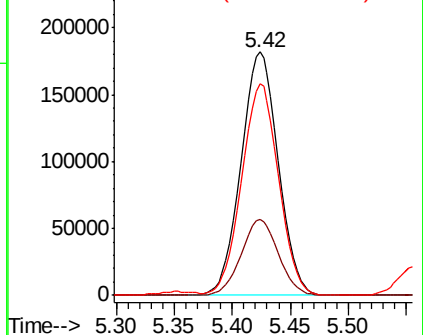
#29
Cyclohexane
Concen: 46.198 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038112.D
Acq: 11 May 2020 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

Tot Ion	56	Resp	405425
Ion Ratio	Lower	Upper	
56	100		
69	31.1	23.8	35.8
84	86.5	68.2	102.4

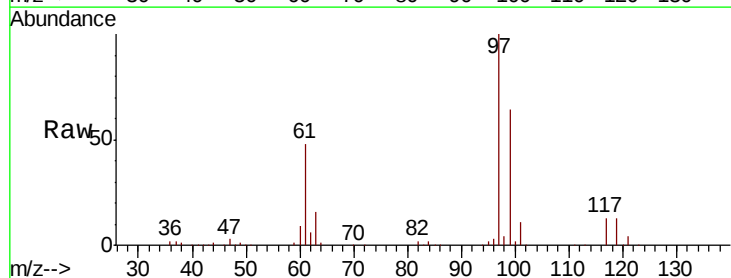


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

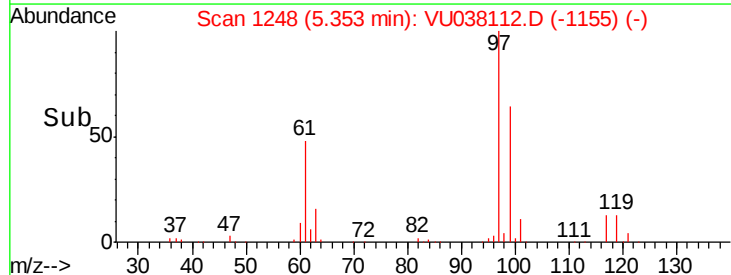
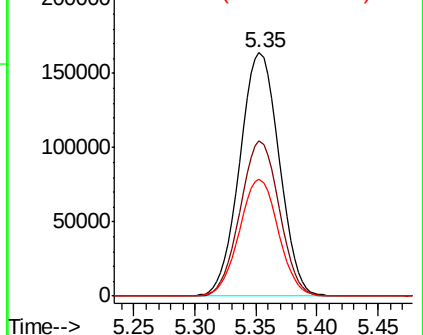


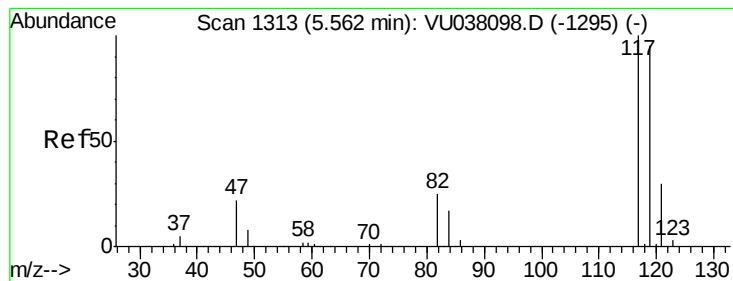
#30
1,1,1-Trichloroethane
Concen: 49.253 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU038112.D
Acq: 11 May 2020 17:27

Tgt Ion	97	Resp	367695
Ion Ratio	Lower	Upper	
97	100		
99	63.1	50.5	75.7
61	47.5	38.8	58.2



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 49.615 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

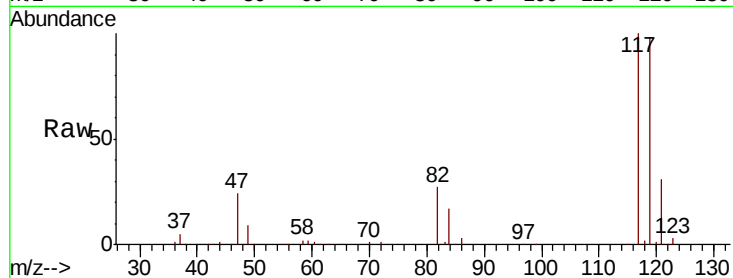
VSTD05038

Tot Ion:117 Resp: 292394

Ion Ratio Lower Upper

117 100

119 96.7 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.56

150000

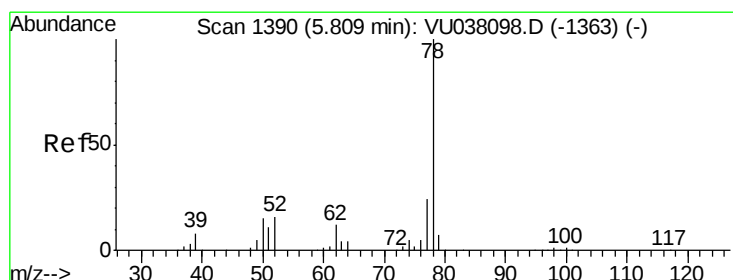
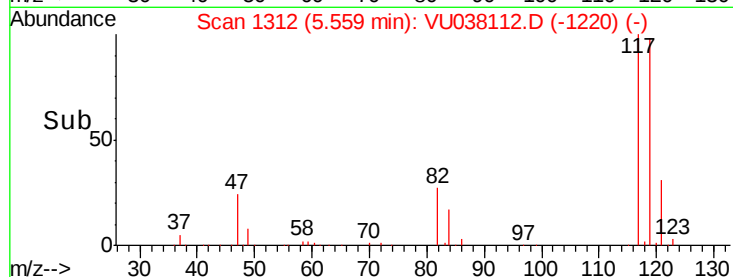
100000

50000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 49.083 ug/L

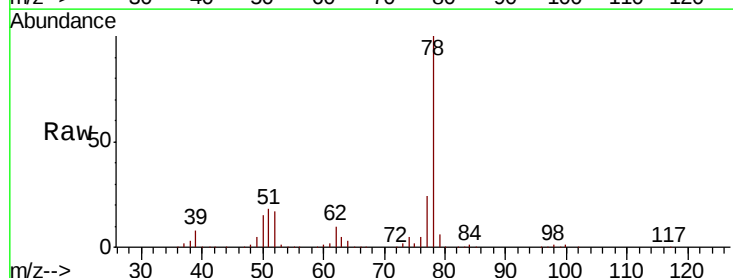
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

Tgt Ion: 78 Resp: 1030531



Abundance Ion 78.00 (77.70 to 78.70): VU0

600000

500000

400000

300000

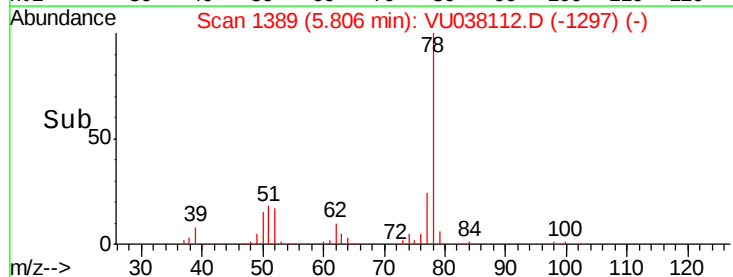
200000

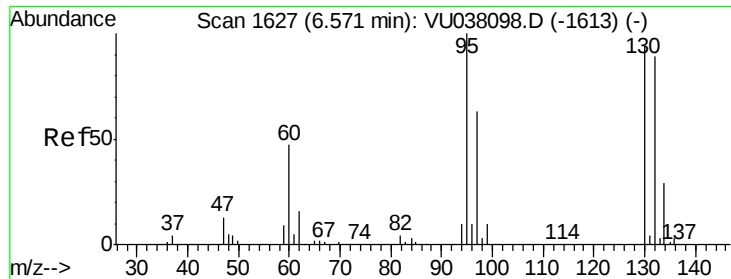
100000

0

Time-->

5.70 5.80 5.90

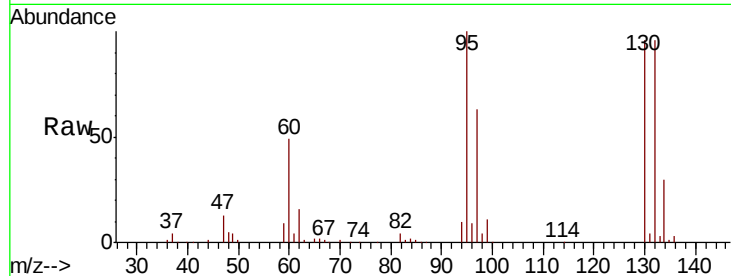




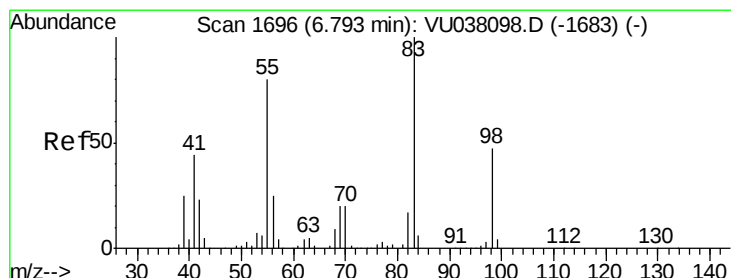
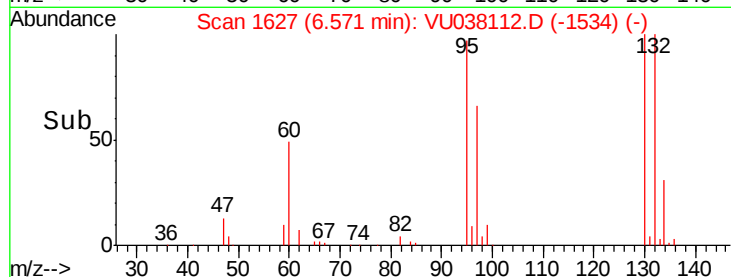
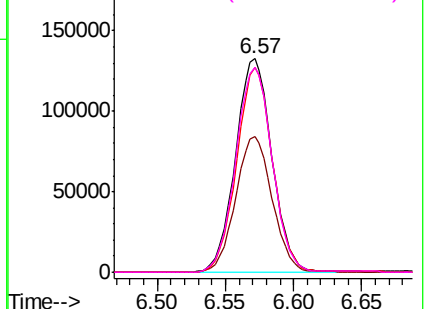
#34
 Trichloroethene
 Concen: 48.481 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Tot Ion: 95 Resp: 246826
 Ion Ratio Lower Upper
 95 100
 97 63.3 44.9 83.5
 132 96.0 63.2 117.4
 130 96.1 65.9 122.3

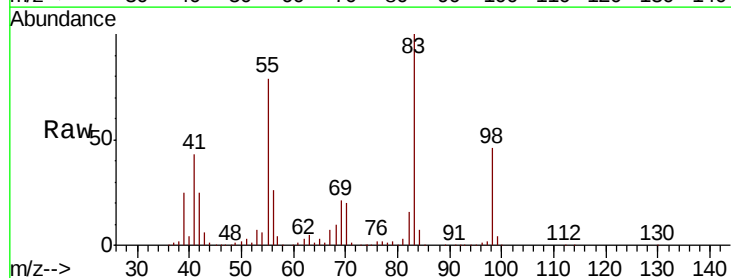


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

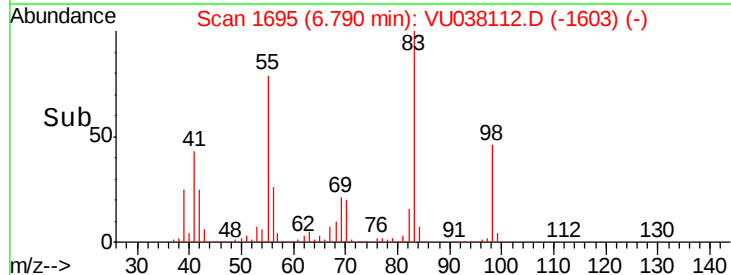
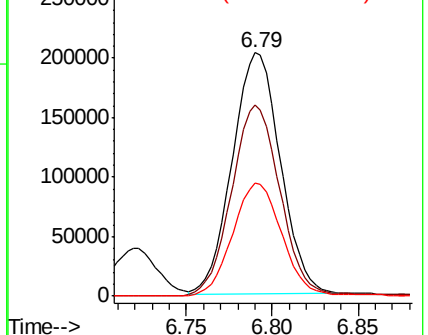


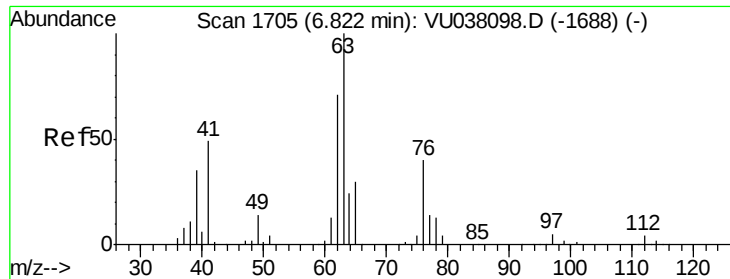
#35
 Methylcyclohexane
 Concen: 46.069 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

Tgt Ion: 83 Resp: 393982
 Ion Ratio Lower Upper
 83 100
 55 79.8 64.2 96.4
 98 47.6 38.1 57.1



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

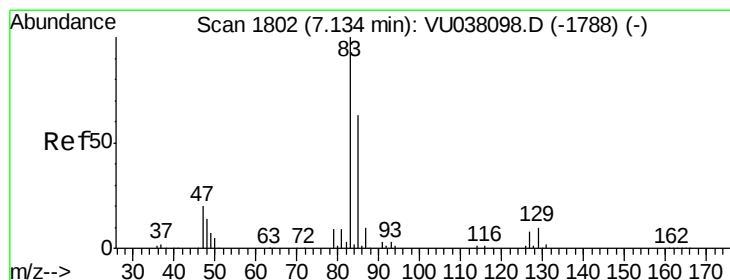
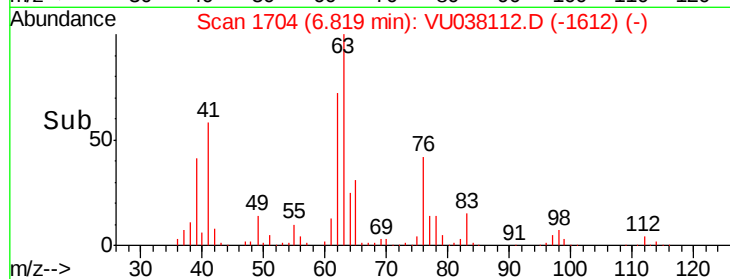
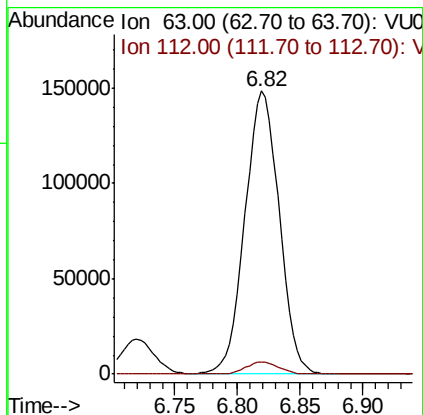
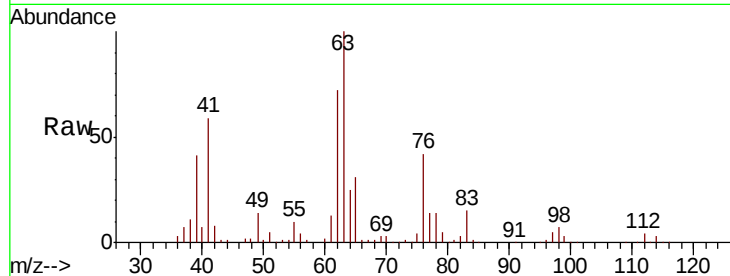




#37
 1,2-Dichloropropane
 Concen: 50.239 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

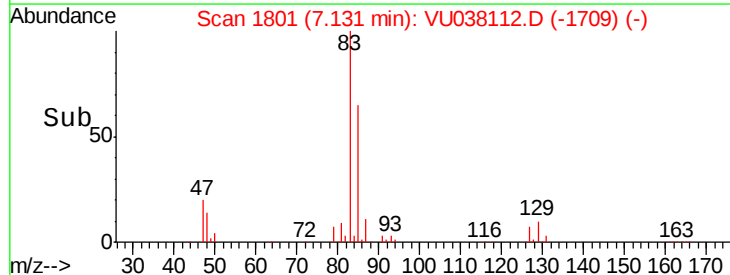
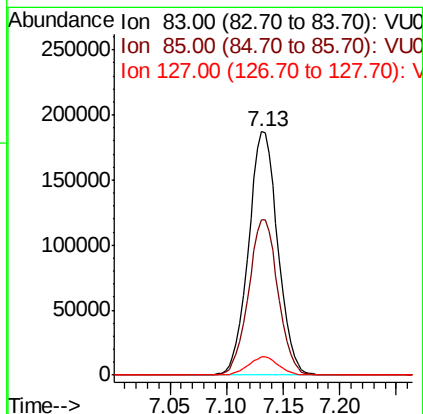
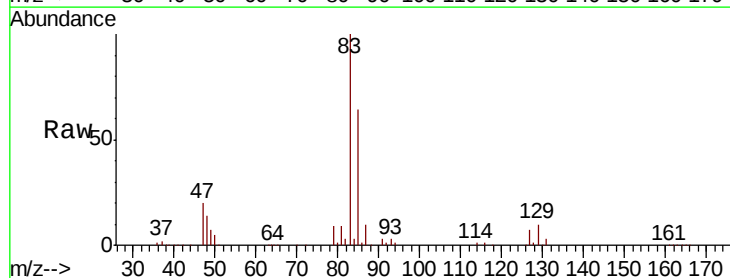
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

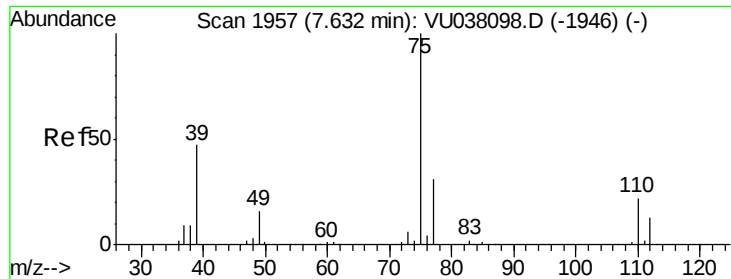
Tot Ion: 63 Resp: 282008
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.1 4.7



#38
 Bromodichloromethane
 Concen: 49.258 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

Tgt Ion: 83 Resp: 335723
 Ion Ratio Lower Upper
 83 100
 85 63.6 43.8 81.3
 127 7.3 6.1 9.1

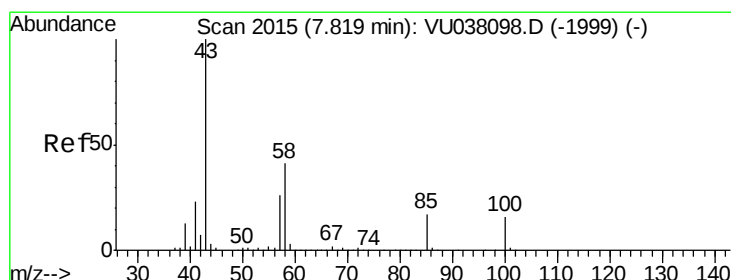
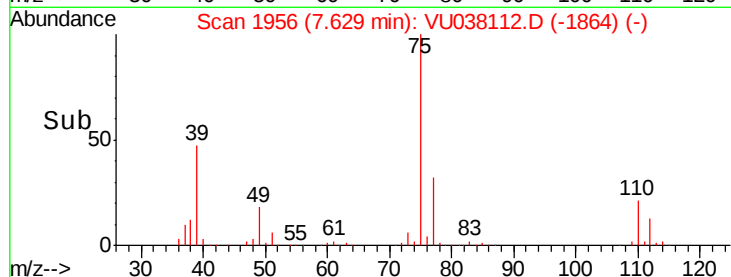
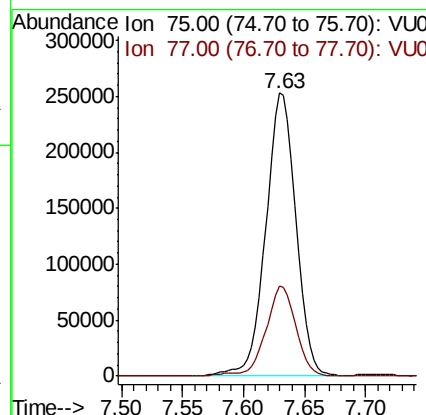
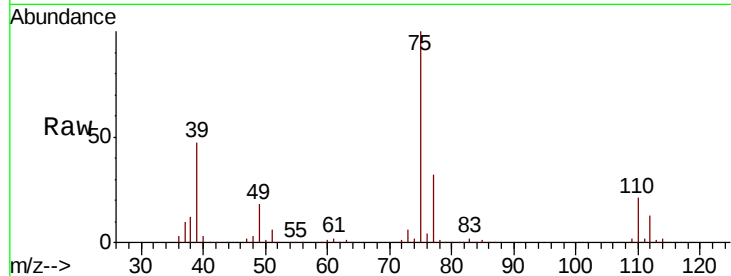




#39
 cis-1,3-Dichloropropene
 Concen: 50.734 ug/L
 RT: 7.63 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

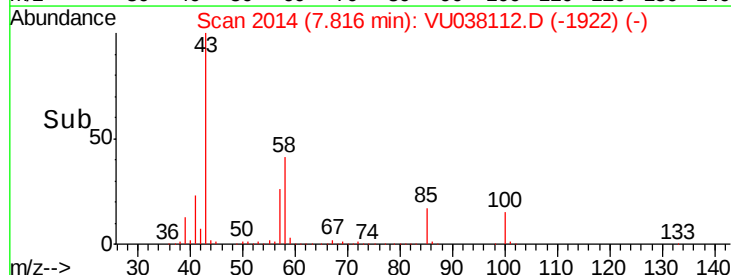
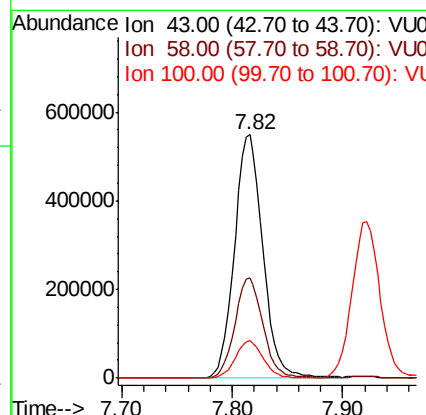
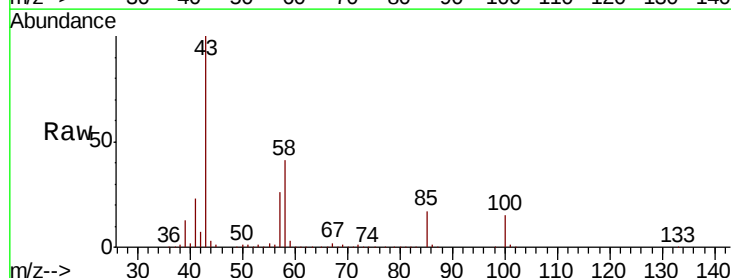
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

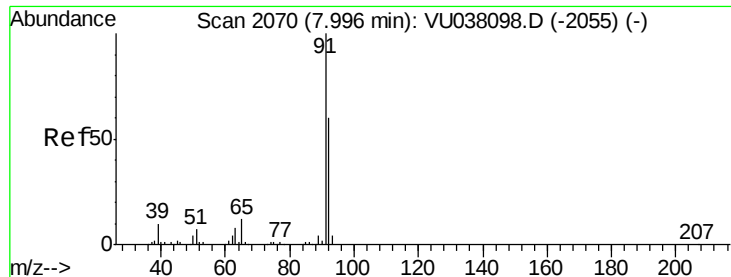
Tot Ion: 75 Resp: 436545
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 107.636 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

Tgt Ion: 43 Resp: 978955
 Ion Ratio Lower Upper
 43 100
 58 40.9 31.8 47.8
 100 15.2 12.2 18.2





#42

Toluene

Concen: 48.411 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

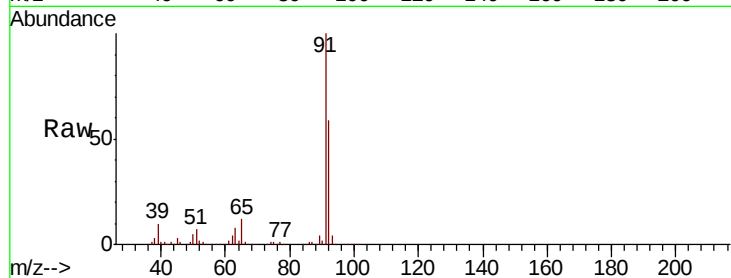
VSTD05038

Tot Ion: 91 Resp: 1067872

Ion Ratio Lower Upper

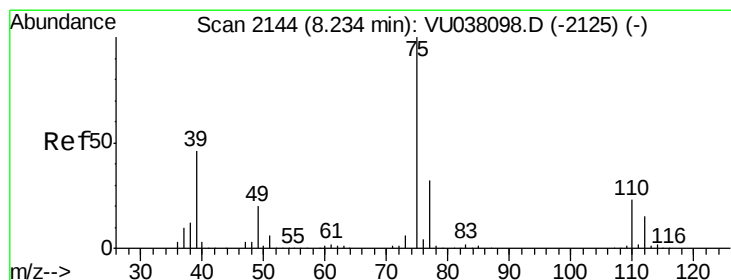
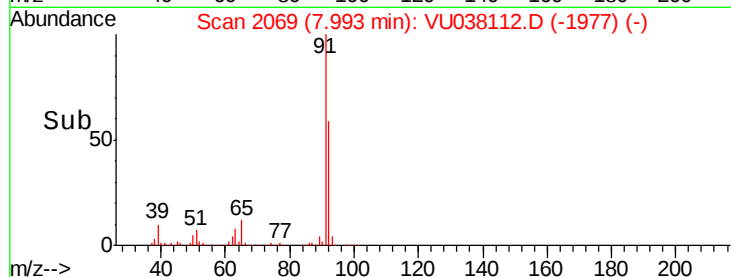
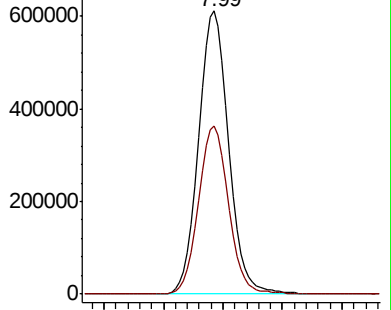
91 100

92 59.5 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VU038098.D (-2055) (-)

Ion 92.00 (91.70 to 92.70): VU038098.D (-2055) (-)



#44

trans-1,3-Dichloropropene

Concen: 50.536 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038112.D

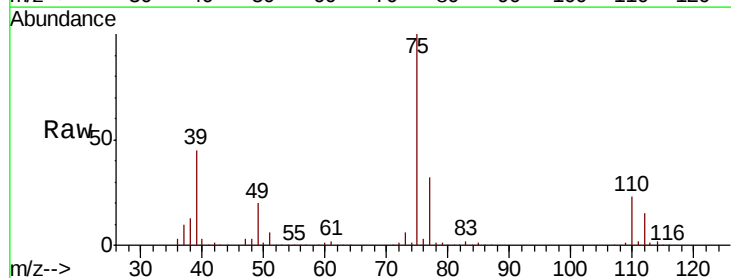
Acq: 11 May 2020 17:27

Tgt Ion: 75 Resp: 405982

Ion Ratio Lower Upper

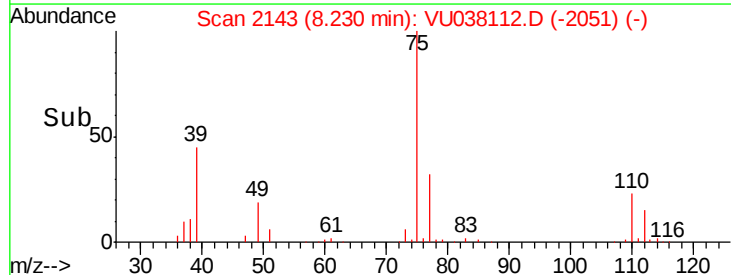
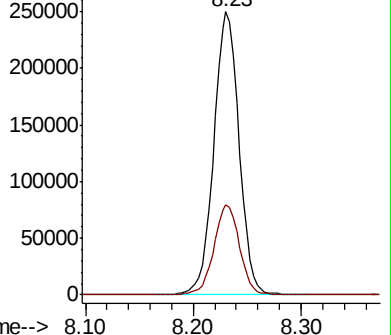
75 100

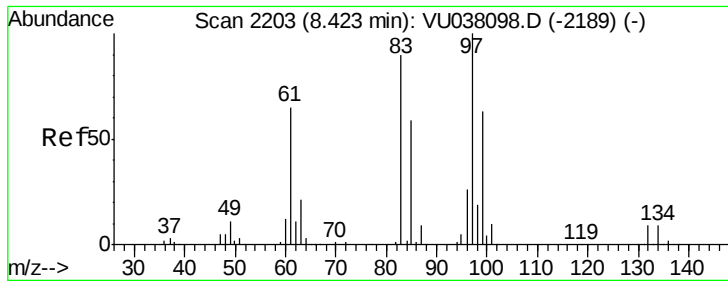
77 32.1 21.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU038098.D (-2125) (-)

Ion 77.00 (76.70 to 77.70): VU038098.D (-2125) (-)

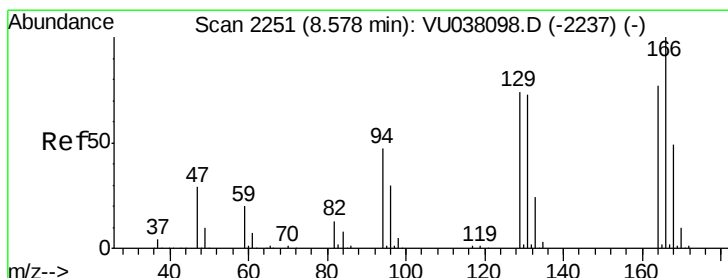
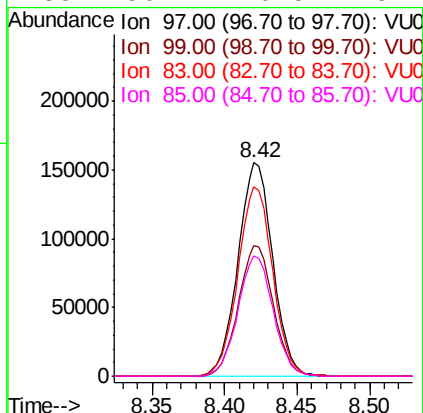
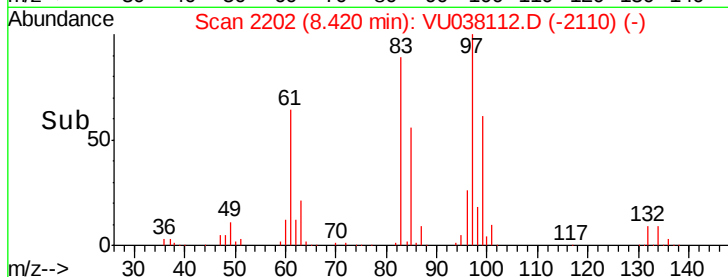
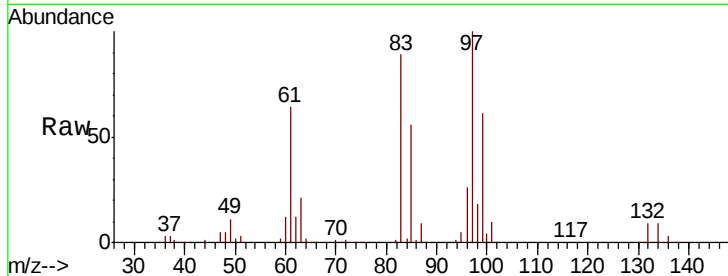




#45
 1,1,2-Trichloroethane
 Concen: 50.912 ug/L
 RT: 8.42 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

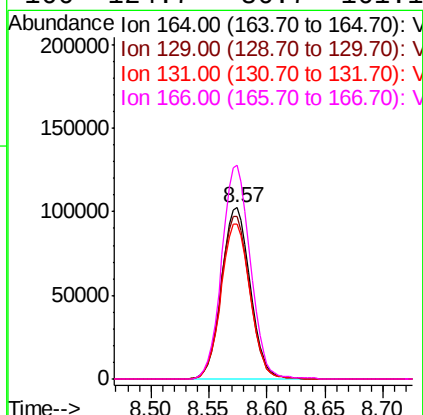
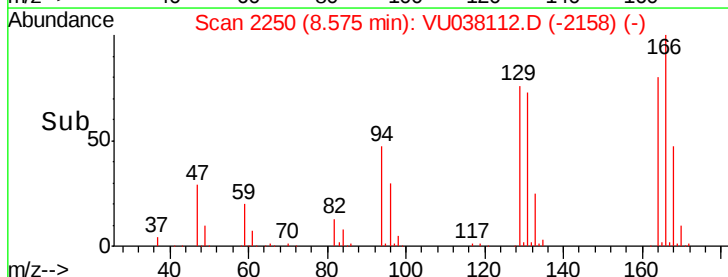
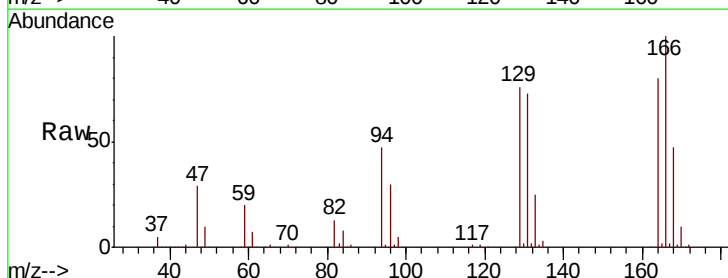
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

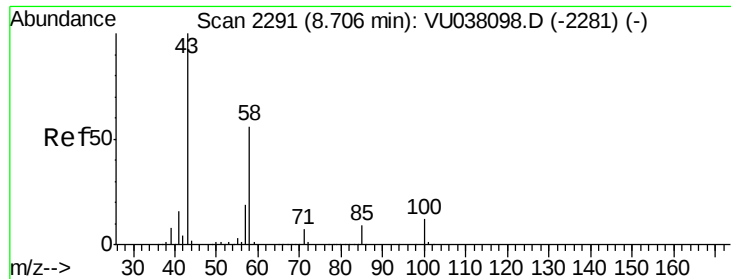
Tot Ion:	97	Resp:	258833
Ion	Ratio	Lower	Upper
97	100		
99	61.2	44.4	82.4
83	88.9	61.9	115.1
85	56.4	40.5	75.1



#46
 Tetrachloroethene
 Concen: 47.137 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

Tgt Ion:	164	Resp:	175213
Ion	Ratio	Lower	Upper
164	100		
129	94.9	68.4	127.0
131	90.7	65.7	122.1
166	124.7	86.7	161.1

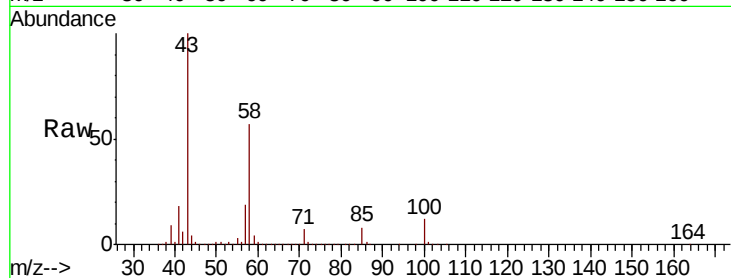




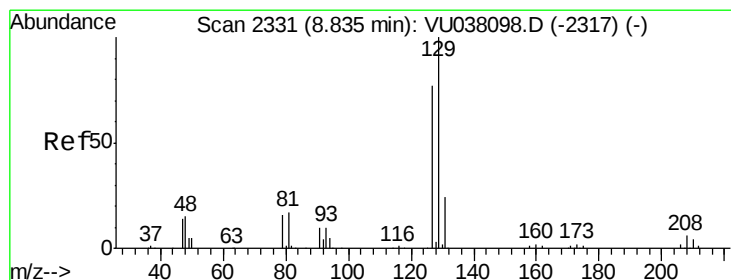
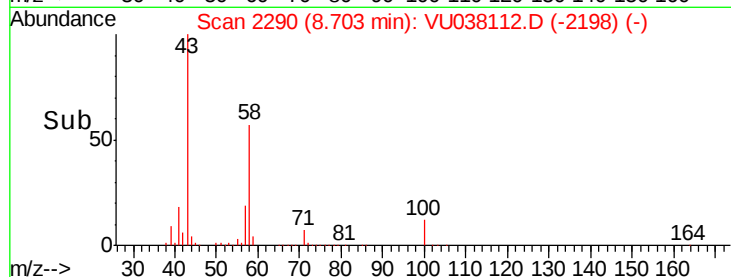
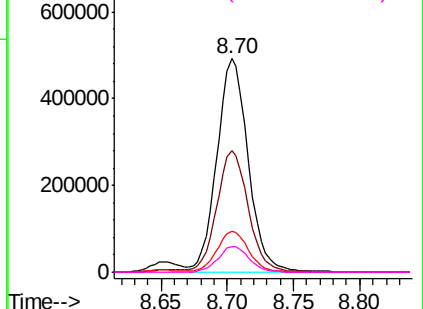
#48
2-Hexanone
Concen: 107.045 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU038112.D
Acq: 11 May 2020 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

Tot Ion:	43	Resp:	802326
Ion	Ratio	Lower	Upper
43	100		
58	57.4	46.4	69.6
57	19.5	16.4	24.6
100	12.1	9.5	14.3

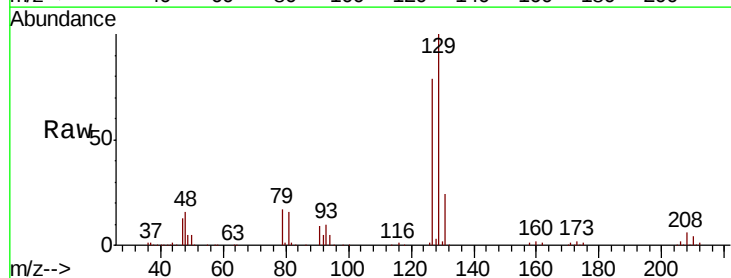


Abundance Ion 43.00 (42.70 to 43.70): VU038112.D (-2281) (-)
Ion 58.00 (57.70 to 58.70): VU038112.D (-2281) (-)
Ion 57.00 (56.70 to 57.70): VU038112.D (-2281) (-)
Ion 100.00 (99.70 to 100.70): VU038112.D (-2281) (-)

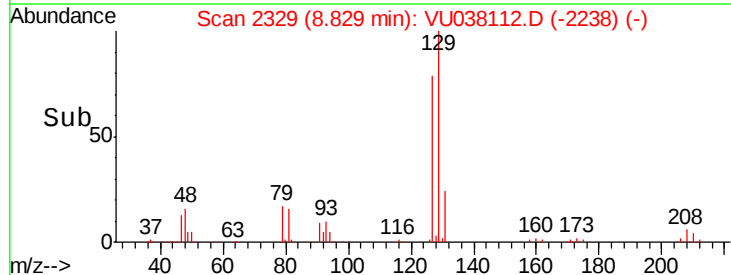
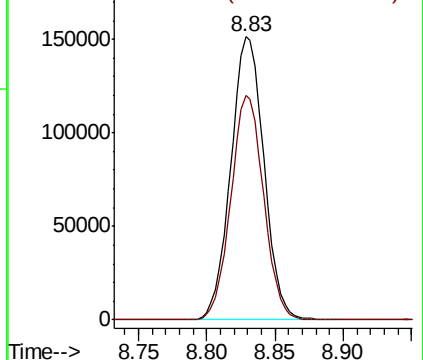


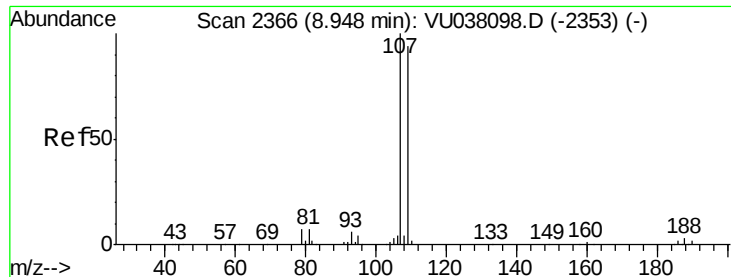
#49
Dibromochloromethane
Concen: 52.176 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.01 min
Lab File: VU038112.D
Acq: 11 May 2020 17:27

Tgt Ion:	129	Resp:	255818
Ion	Ratio	Lower	Upper
129	100		
127	79.2	54.7	101.5



Abundance Ion 129.00 (128.70 to 129.70): VU038112.D (-2317) (-)
Ion 127.00 (126.70 to 127.70): VU038112.D (-2317) (-)

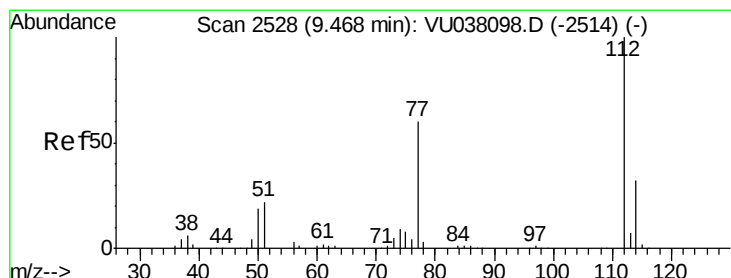
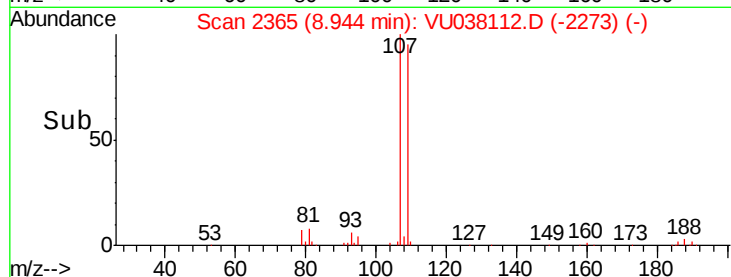
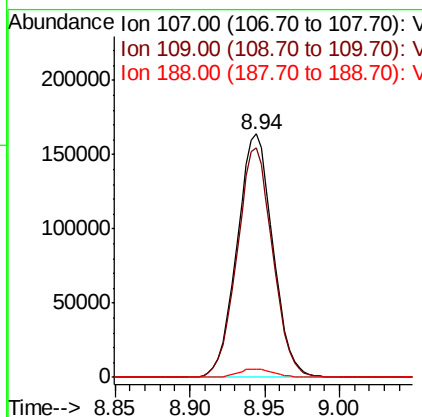
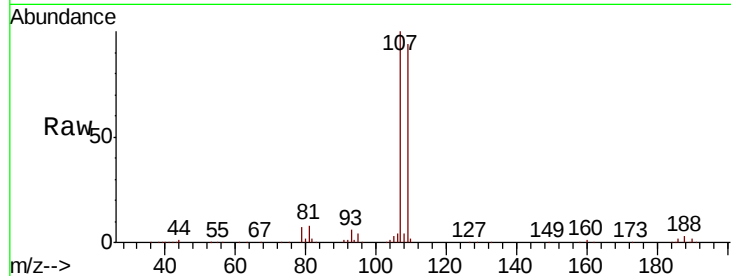




#50
 1,2-Dibromoethane
 Concen: 49.951 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

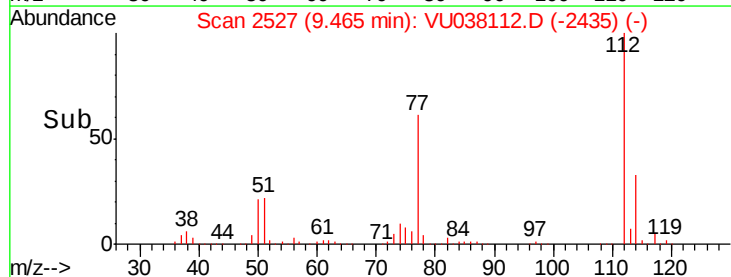
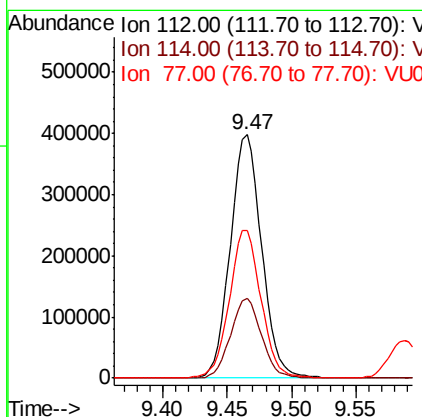
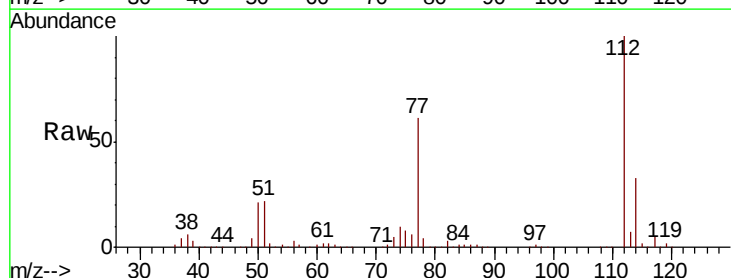
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

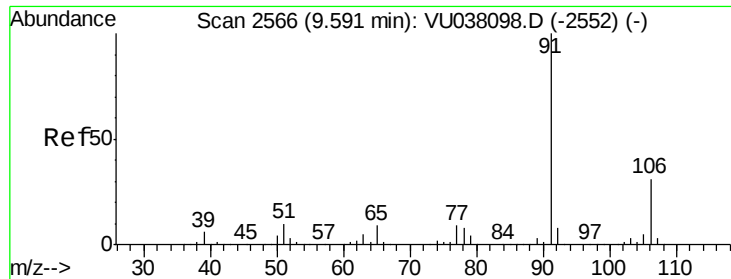
Tot Ion:107 Resp: 272798
 Ion Ratio Lower Upper
 107 100
 109 94.4 64.1 119.1
 188 3.4 2.2 3.2#



#51
 Chlorobenzene
 Concen: 48.915 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

Tgt Ion:112 Resp: 671822
 Ion Ratio Lower Upper
 112 100
 114 32.5 21.6 40.2
 77 60.5 49.3 73.9

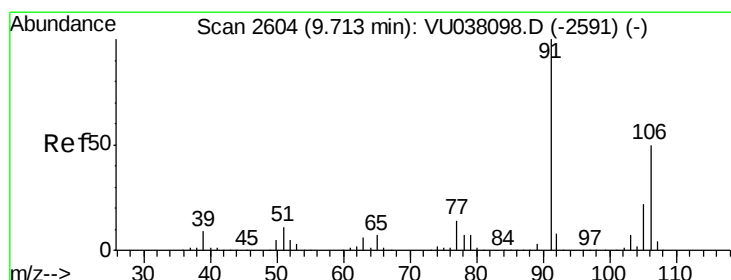
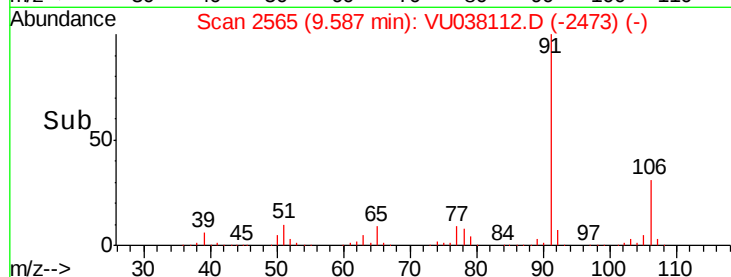
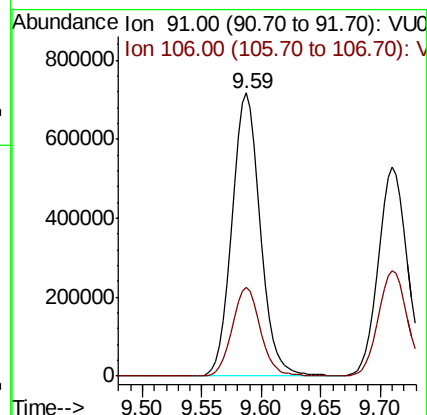
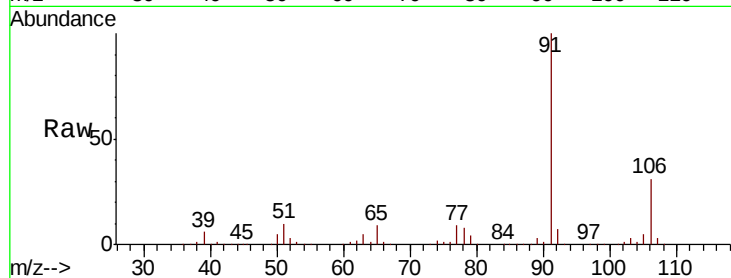




#52
Ethylbenzene
Concen: 48.332 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038112.D
Acq: 11 May 2020 17:27

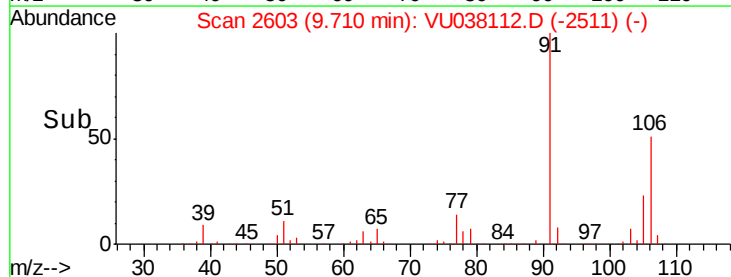
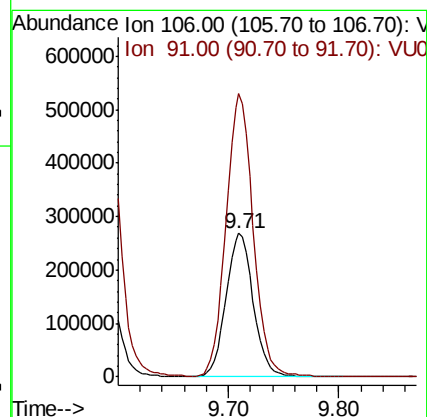
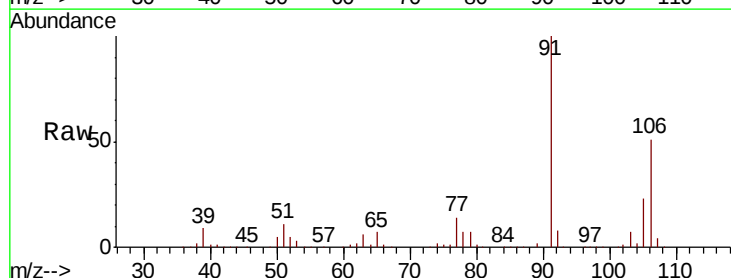
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

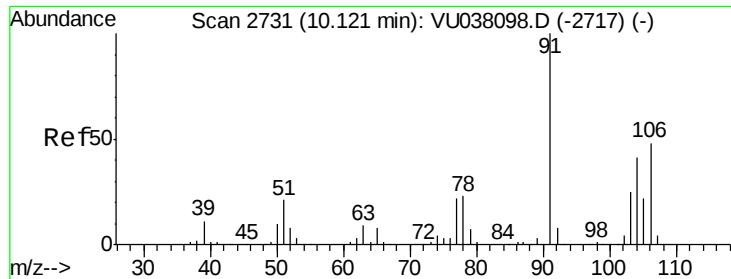
Tot Ion: 91 Resp: 1181827
Ion Ratio Lower Upper
91 100
106 31.3 21.6 40.2



#53
m,p-Xylene
Concen: 49.421 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VU038112.D
Acq: 11 May 2020 17:27

Tgt Ion: 106 Resp: 458836
Ion Ratio Lower Upper
106 100
91 197.4 138.0 256.4





#54

o-xylene

Concen: 49.057 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.01 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

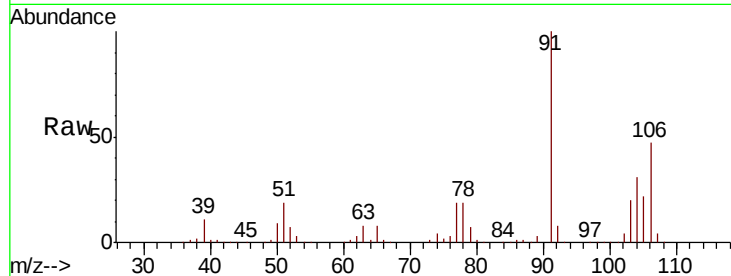
VSTD05038

Tot Ion:106 Resp: 448423

Ion Ratio Lower Upper

106 100

91 212.3 149.4 277.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

600000

400000

200000

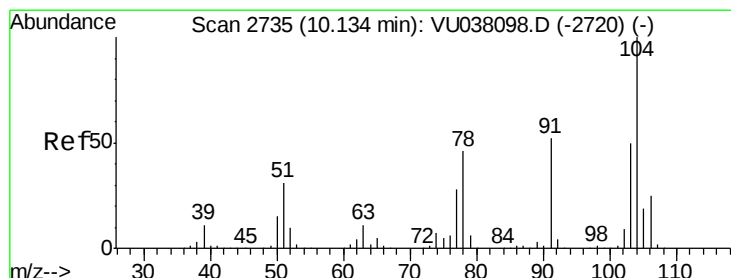
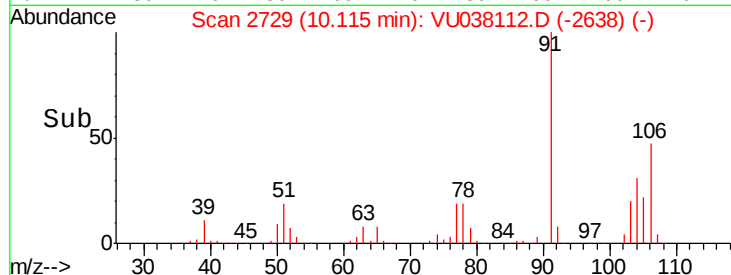
0

10.11

10.10

10.20

Time-->



#55

Styrene

Concen: 49.504 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU038112.D

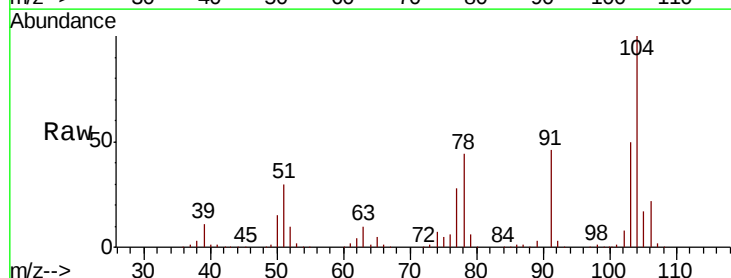
Acq: 11 May 2020 17:27

Tgt Ion:104 Resp: 768623

Ion Ratio Lower Upper

104 100

78 44.4 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

200000

100000

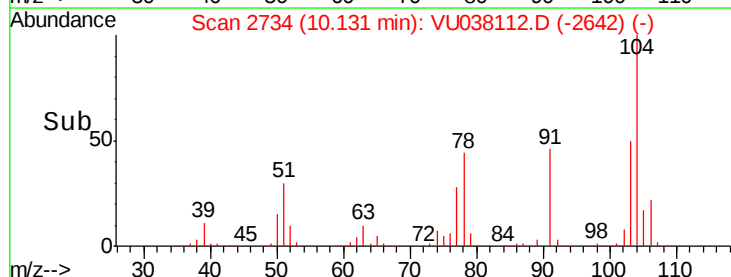
0

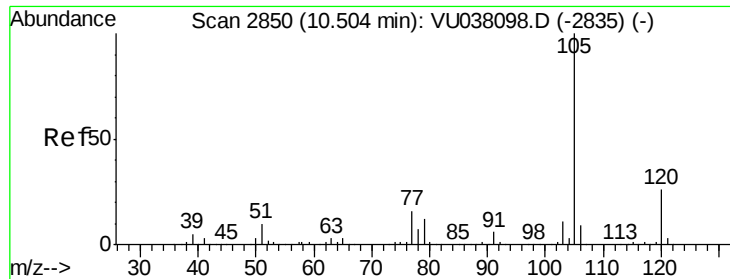
10.13

10.10

10.20

Time-->





#56

Isopropylbenzene

Concen: 48.560 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.01 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

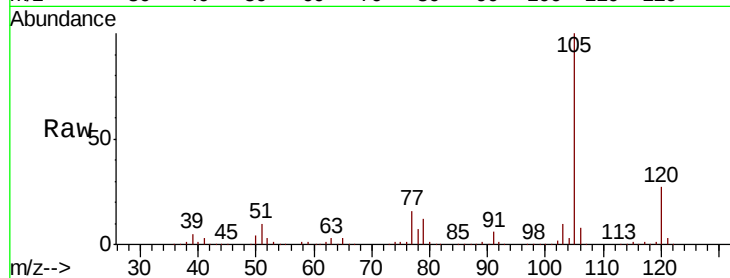
Tot Ion:105 Resp: 1142938

Ion Ratio Lower Upper

105 100

120 26.2 20.5 30.7

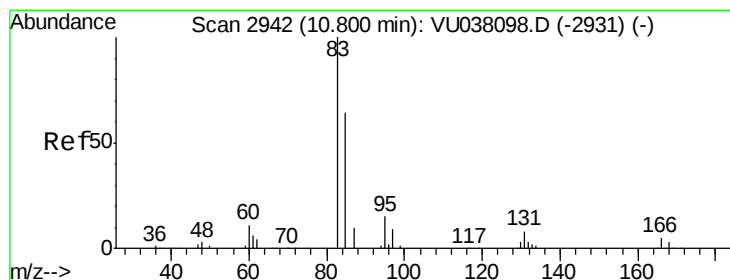
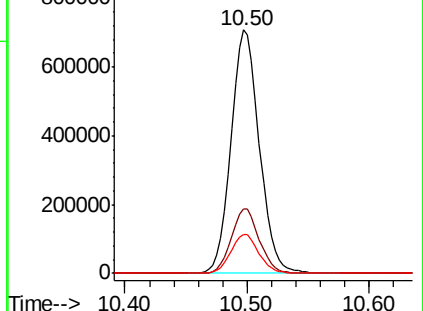
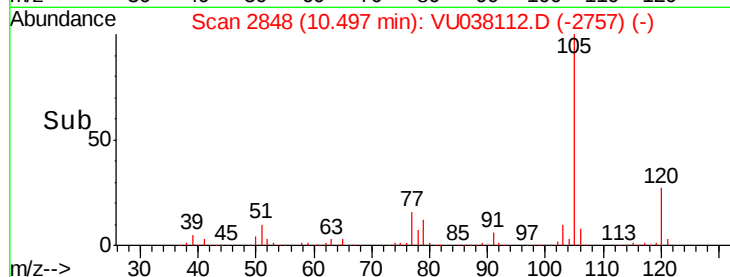
77 16.0 13.0 19.4



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: 50.908 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

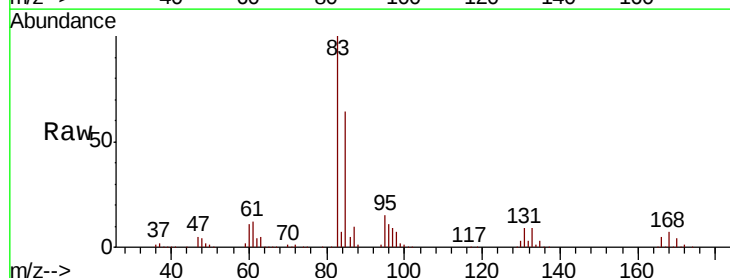
Tgt Ion: 83 Resp: 462057

Ion Ratio Lower Upper

83 100

85 63.9 44.9 83.3

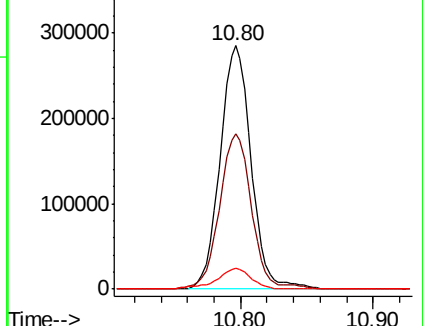
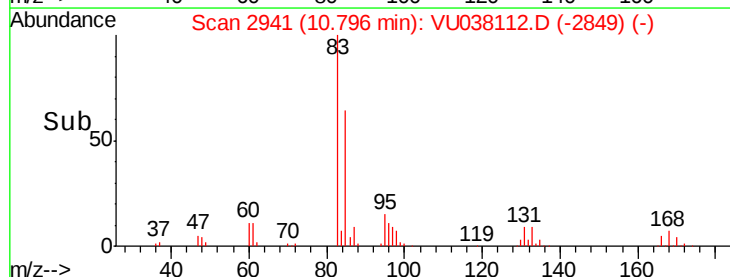
131 8.5 6.8 10.2

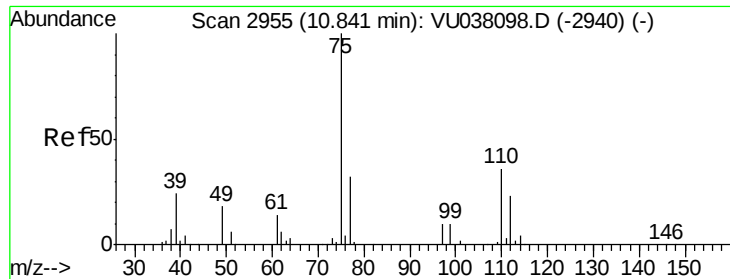


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.351 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

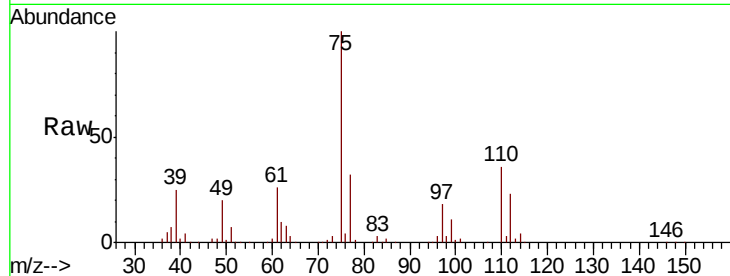
VSTD05038

Tot Ion: 75 Resp: 399676

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU038098.D (-2940) (-)

Ion 77.00 (76.70 to 77.70): VU038098.D (-2940) (-)

10.84

250000

200000

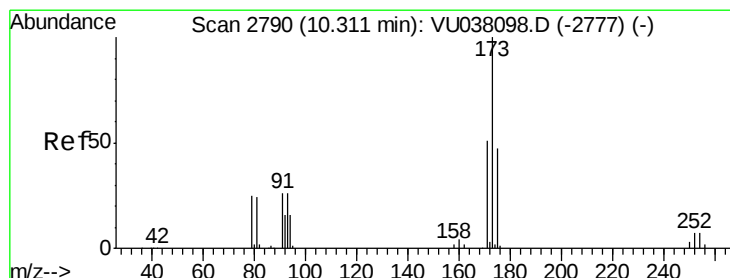
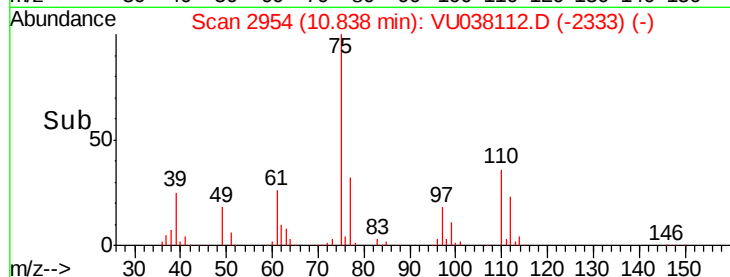
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 48.991 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

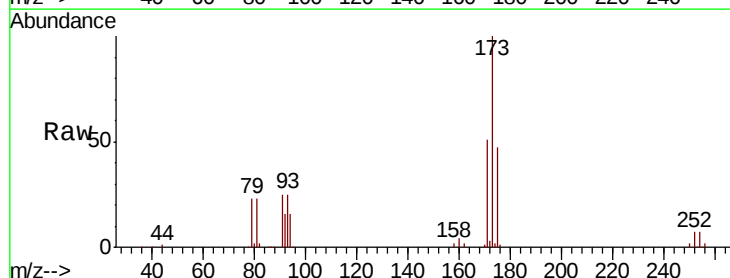
Tgt Ion:173 Resp: 180263

Ion Ratio Lower Upper

173 100

175 47.5 39.0 58.4

254 6.6 4.7 7.1



Abundance Ion 173.00 (172.70 to 173.70): VU038098.D (-2777) (-)

Ion 175.00 (174.70 to 175.70): VU038098.D (-2777) (-)

Ion 254.00 (253.70 to 254.70): VU038098.D (-2777) (-)

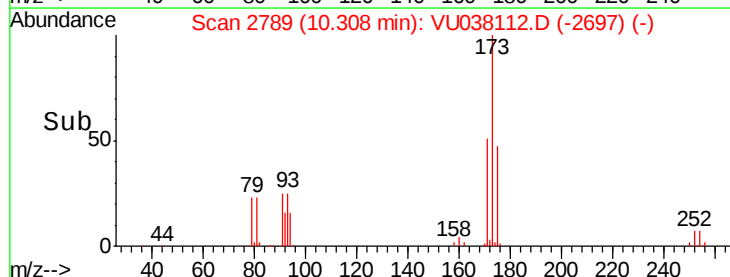
150000

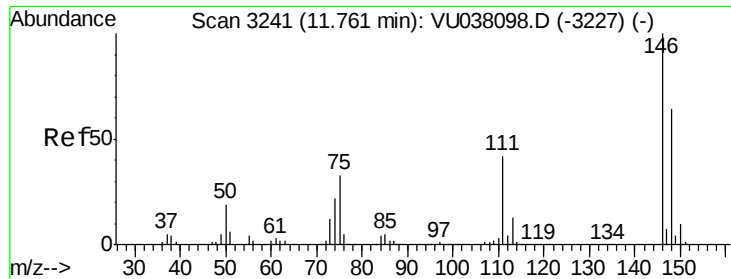
100000

50000

0

Time-->

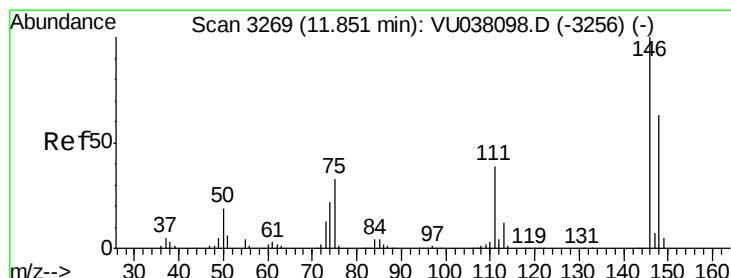
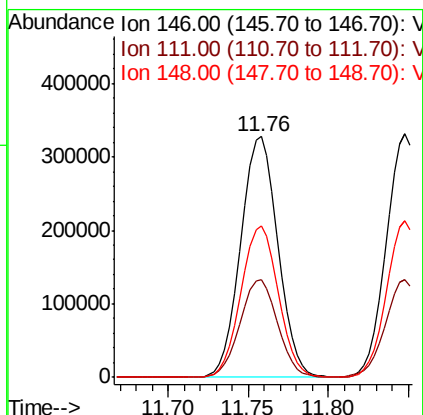
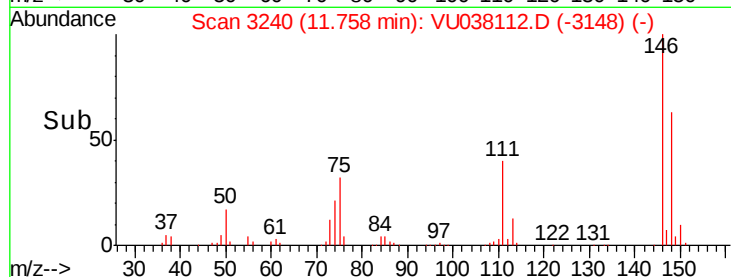
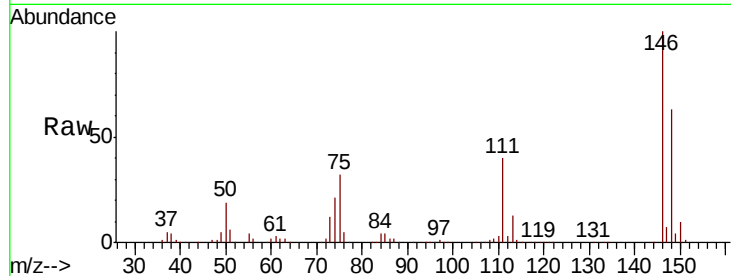




#62
 1,3-Dichlorobenzene
 Concen: 47.099 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

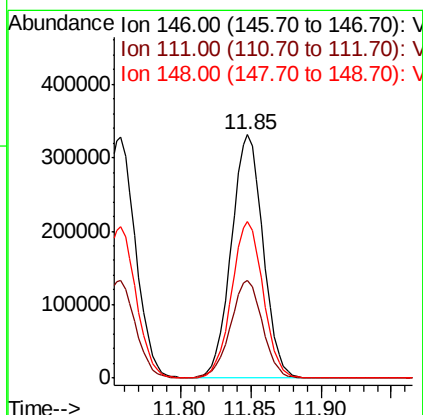
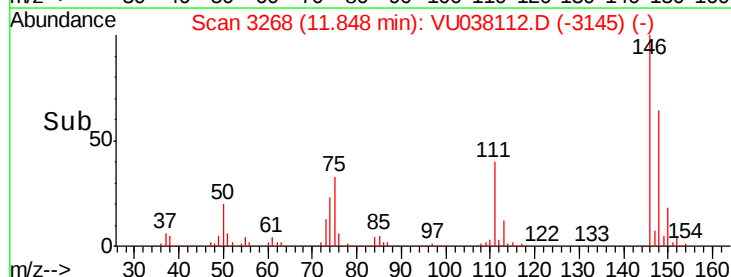
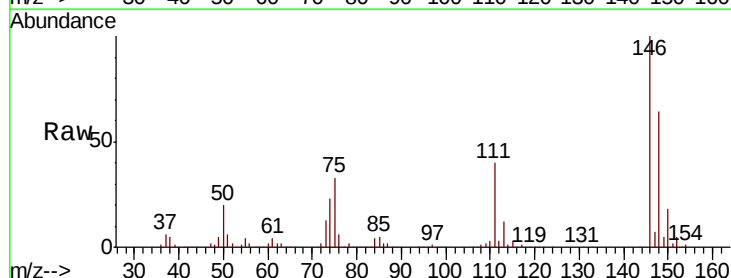
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

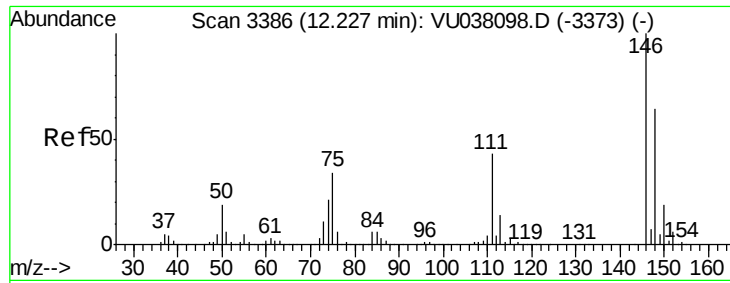
Tot Ion:146 Resp: 518911
 Ion Ratio Lower Upper
 146 100
 111 40.4 29.2 54.2
 148 63.1 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 46.820 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

Tgt Ion:146 Resp: 521226
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.2 52.4
 148 64.1 44.5 82.7

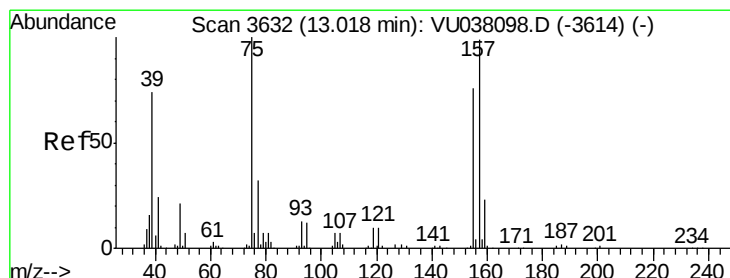
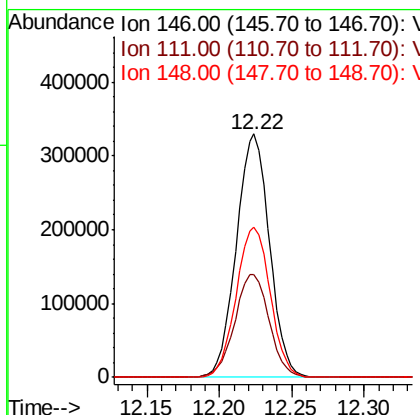
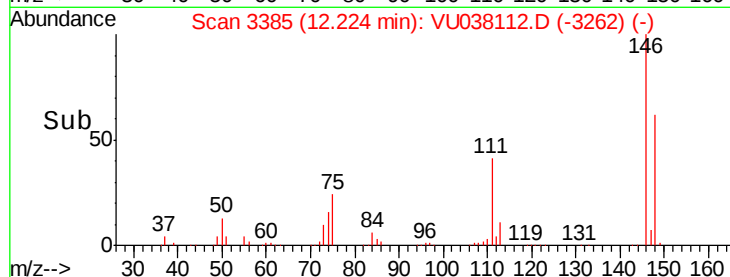
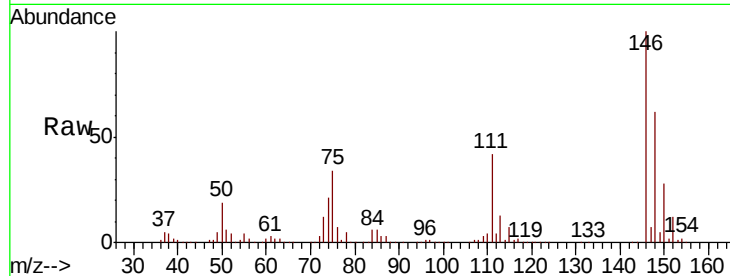




#65
 1,2-Dichlorobenzene
 Concen: 47.071 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

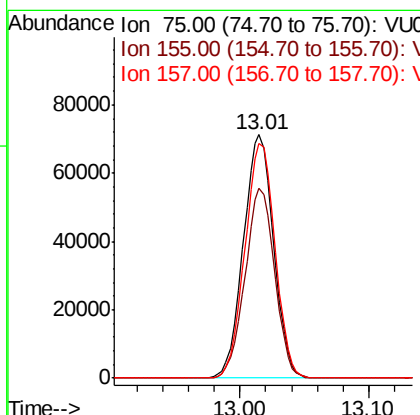
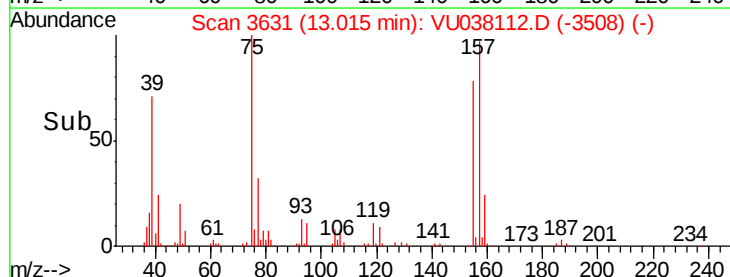
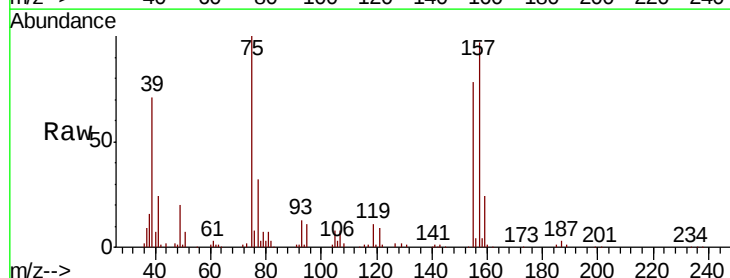
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

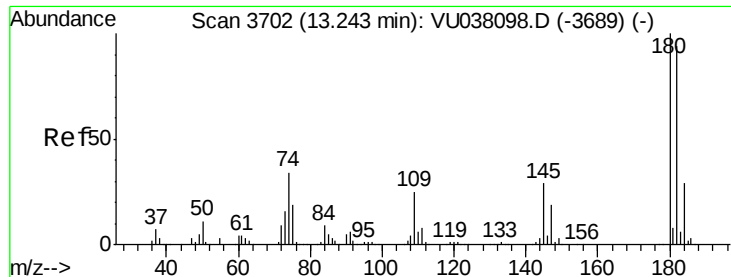
Tot Ion:146 Resp: 523163
 Ion Ratio Lower Upper
 146 100
 111 42.4 34.6 51.8
 148 61.9 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.000 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

Tgt Ion: 75 Resp: 115996
 Ion Ratio Lower Upper
 75 100
 155 77.8 61.3 91.9
 157 96.5 76.9 115.3

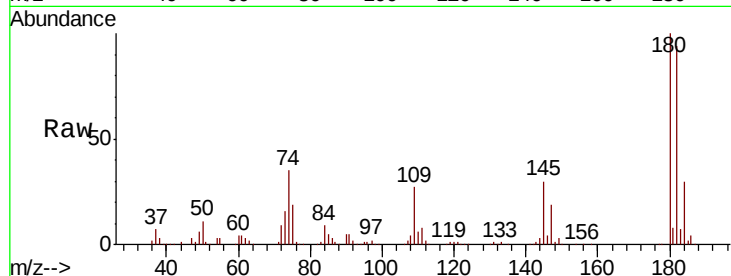




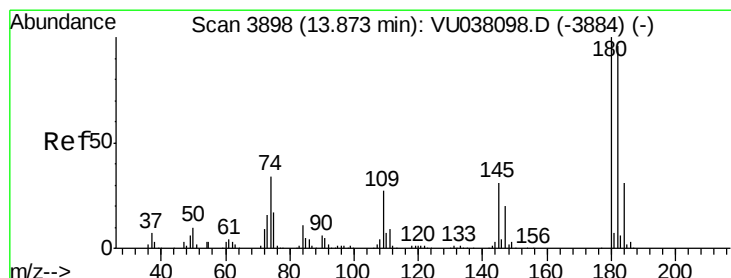
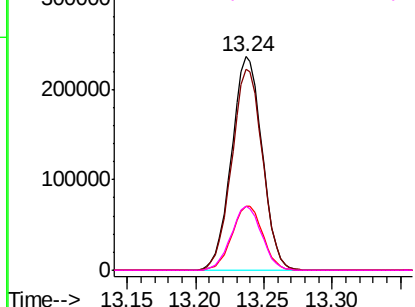
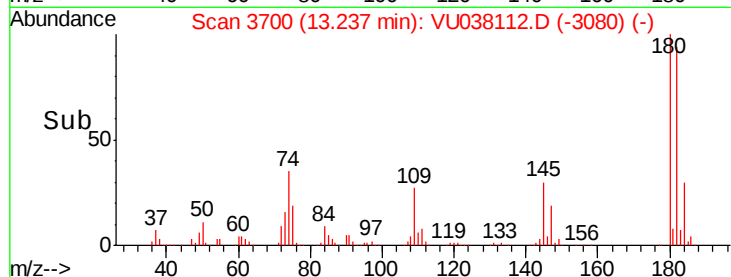
#67
 1,3,5-Trichlorobenzene
 Concen: 49.023 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.01 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Tot Ion:180	Resp:	368208
Ion	Ratio	Lower Upper
180	100	
182	94.5	75.7 113.5
184	30.1	24.2 36.2
145	29.8	24.6 37.0

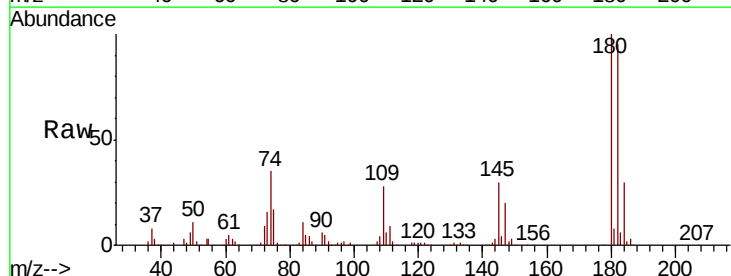


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

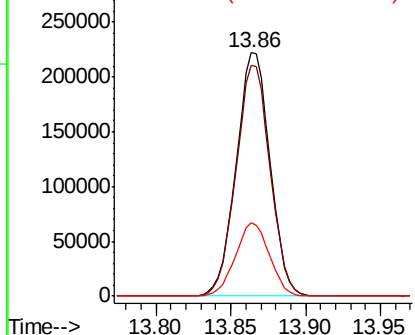
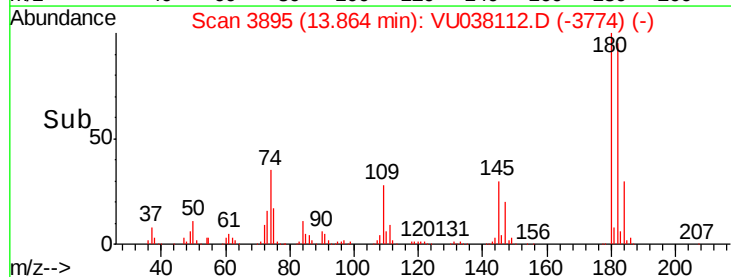


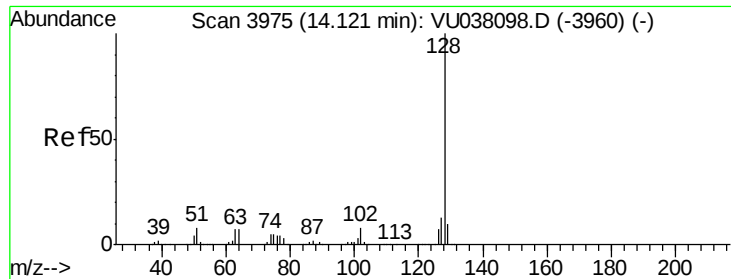
#68
 1,2,4-trichlorobenzene
 Concen: 48.512 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU038112.D
 Acq: 11 May 2020 17:27

Tgt Ion:180	Resp:	349258
Ion	Ratio	Lower Upper
180	100	
182	95.7	75.4 113.0
145	30.5	25.3 37.9



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: 49.373 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

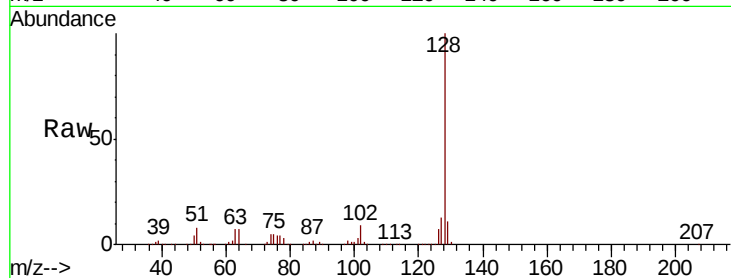
Tot Ion:128 Resp: 1363741

Ion Ratio Lower Upper

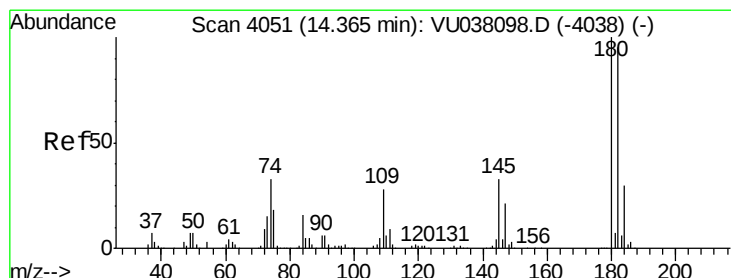
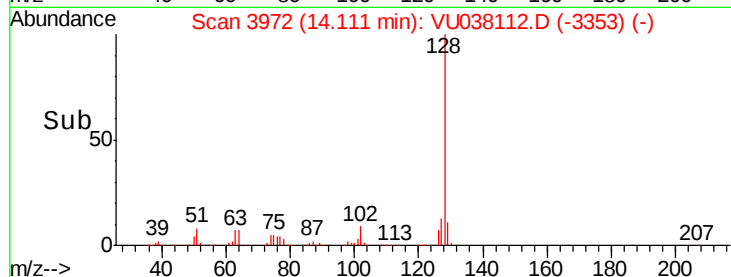
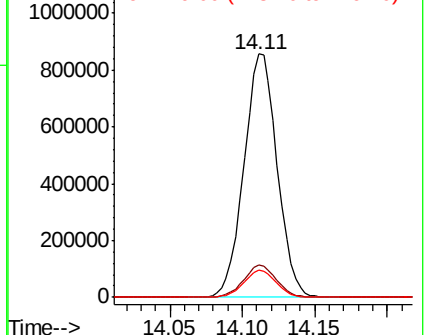
128 100

127 13.1 10.4 15.6

129 10.9 8.8 13.2



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: 50.331 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038112.D

Acq: 11 May 2020 17:27

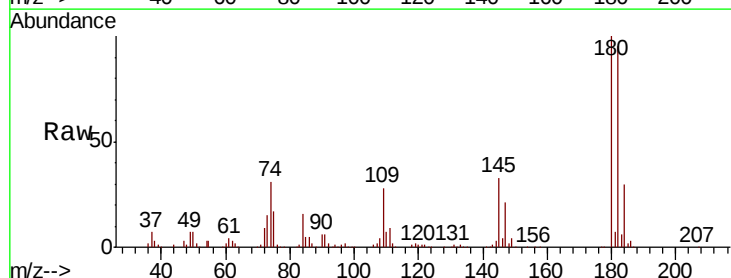
Tgt Ion:180 Resp: 356620

Ion Ratio Lower Upper

180 100

182 95.1 75.9 113.9

145 33.4 27.0 40.4



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

