

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052820\NOT REVIEWED DATA\
 Data File : VU038338.D
 Acq On : 28 May 2020 10:52
 Operator : JC/MD
 Sample : VSTD20033
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20033

Quant Time: May 28 11:29:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 28 11:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	652142	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	647127	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	335792	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	813292	198.66	ug/L	0.00
7) Chloroethane-d5	1.92	69	538886	170.38	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	1650795	197.28	ug/L	0.00
21) 2-Butanone-d5	4.66	46	1619484	416.36	ug/L	0.00
24) Chloroform-d	5.10	84	1614404	200.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	1044395	189.57	ug/L	0.00
32) Benzene-d6	5.76	84	3253554	193.50	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	1027223	197.07	ug/L	0.00
41) Toluene-d8	7.92	98	2972294	199.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	560574	216.03	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	1229871	448.16	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	1644630	213.20	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	1224411	196.72	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	999916	203.701	ug/L 99
3) Chloromethane	1.53	50	940391	207.862	ug/L 99
5) Vinyl chloride	1.62	62	1047311	209.550	ug/L 100
6) Bromomethane	1.87	94	461570	225.742	ug/L 98
8) Chloroethane	1.94	64	583468	191.056	ug/L 99
9) Trichlorofluoromethane	2.15	101	1364882	203.770	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	802682	200.425	ug/L 98
12) 1,1-Dichloroethene	2.60	96	807589	204.251	ug/L 99
13) Acetone	2.66	43	1121501	347.008	ug/L 98
14) Carbon disulfide	2.82	76	2670548	207.097	ug/L 100
15) Methyl Acetate	2.98	43	1195502	206.358	ug/L 100
16) Methylene chloride	3.08	84	925228	203.647	ug/L 96
17) trans-1,2-Dichloroethene	3.38	96	877688	206.656	ug/L 99
18) Methyl tert-butyl Ether	3.40	73	2953875	216.893	ug/L 100
19) 1,1-Dichloroethane	3.91	63	1652298	205.435	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	968388	208.142	ug/L 99
22) 2-Butanone	4.75	43	1830008	403.865	ug/L 100
23) Bromochloromethane	5.01	128	469460	203.818	ug/L 98
25) Chloroform	5.12	83	1634029	197.559	ug/L 99
27) 1,2-Dichloroethane	5.83	62	1338473	199.859	ug/L 99
29) Cyclohexane	5.42	56	1548338	208.678	ug/L 99
30) 1,1,1-Trichloroethane	5.35	97	1456532	206.985	ug/L 99
31) Carbon tetrachloride	5.56	117	1224036	208.711	ug/L 99
33) Benzene	5.81	78	3707928	204.010	ug/L 100
34) Trichloroethene	6.57	95	934535	200.967	ug/L 99
35) Methylcyclohexane	6.79	83	1570172	215.063	ug/L 98
37) 1,2-Dichloropropane	6.82	63	974354	206.709	ug/L 100
38) Bromodichloromethane	7.13	83	1290836	213.695	ug/L 98
39) cis-1,3-Dichloropropene	7.63	75	1648860	219.827	ug/L 99
40) 4-Methyl-2-pentanone	7.82	43	3390263	452.253	ug/L 99

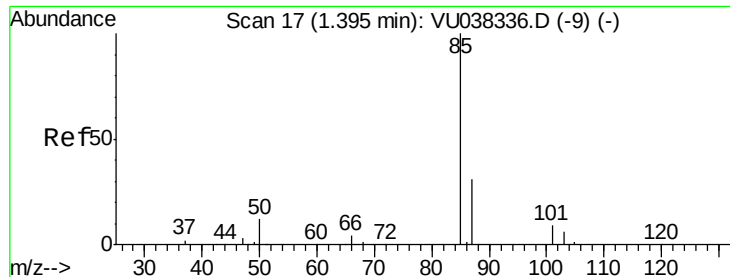
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052820\NOT REVIEWED DATA\
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 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	3991541	209.186	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	1601373	228.077	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	936332	209.325	ug/L	99
46) Tetrachloroethene	8.57	164	695273	204.513	ug/L	98
48) 2-Hexanone	8.71	43	2863778	452.460	ug/L	99
49) Dibromochloromethane	8.83	129	1008997	222.784	ug/L	100
50) 1,2-Dibromoethane	8.94	107	1035509	215.373	ug/L	99
51) Chlorobenzene	9.47	112	2559446	208.708	ug/L	99
52) Ethylbenzene	9.59	91	4626634	216.401	ug/L	99
53) m,p-Xylene	9.71	106	1771967	216.724	ug/L	98
54) o-xylene	10.12	106	1739014	218.766	ug/L	99
55) Styrene	10.13	104	3074855	225.061	ug/L	100
56) Isopropylbenzene	10.50	105	4586259	220.777	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	1726681	225.569	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	1423809	216.007	ug/L	100
61) Bromoform	10.31	173	779988	231.211	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	2051591	208.994	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	2075316	207.989	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	2013033	206.791	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	452872	227.244	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	1518280	217.325	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	1487816	222.044	ug/L	100
69) Naphthalene	14.11	128	5531134	230.549	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	1462340	218.466	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 203.701 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

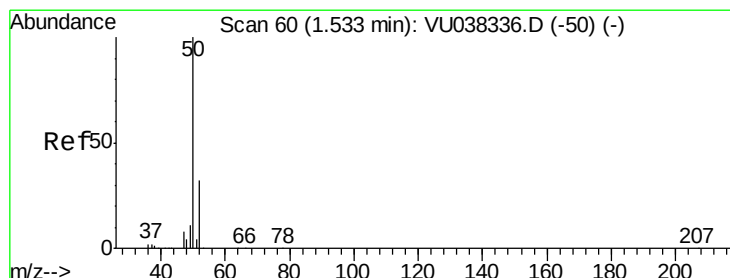
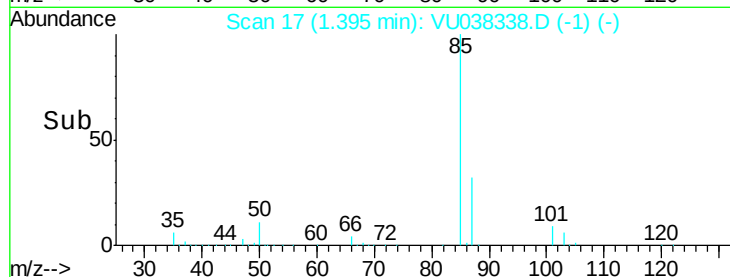
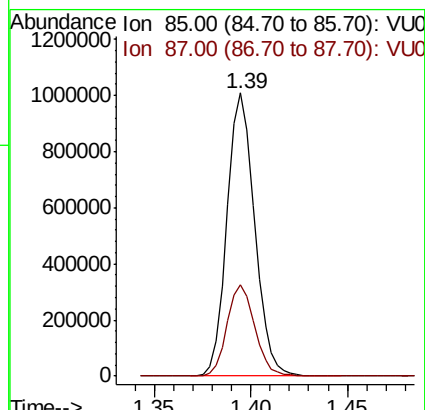
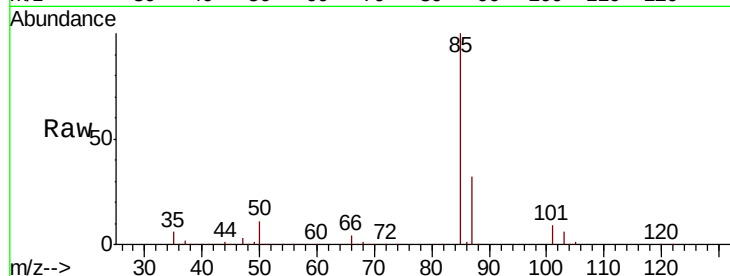
VSTD20033

Tot Ion: 85 Resp: 999916

Ion Ratio Lower Upper

85 100

87 32.2 25.2 37.8



#3

Chloromethane

Concen: 207.862 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038338.D

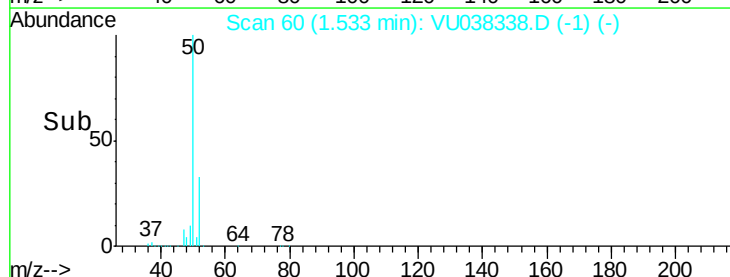
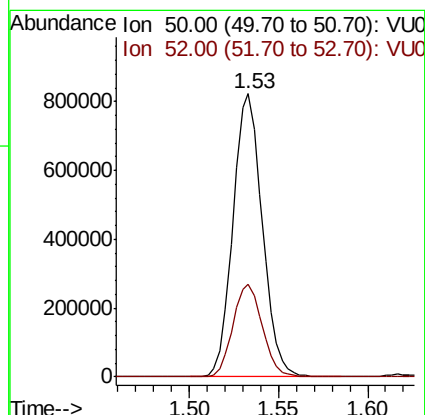
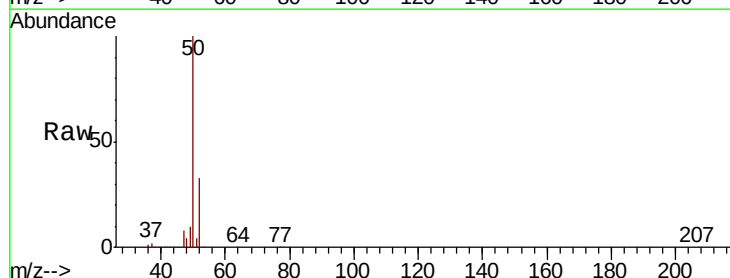
Acq: 28 May 2020 10:52

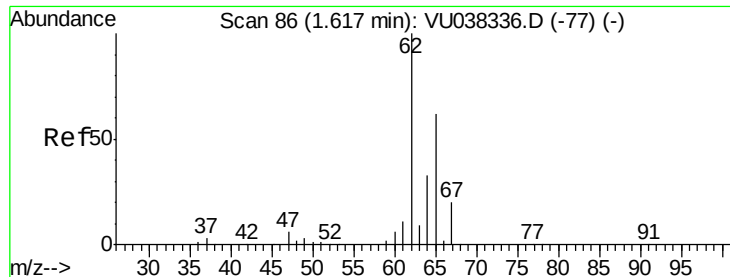
Tgt Ion: 50 Resp: 940391

Ion Ratio Lower Upper

50 100

52 32.7 22.5 41.7





#5

Vinyl chloride

Concen: 209.550 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

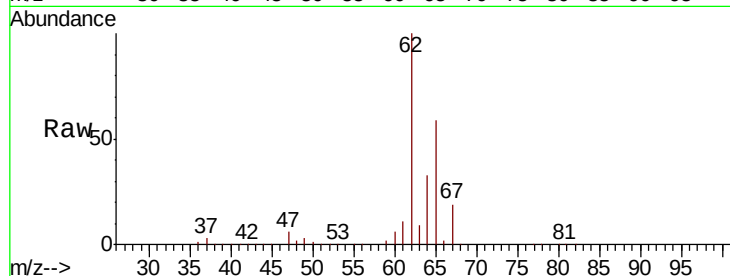
VSTD20033

Tot Ion: 62 Resp: 1047311

Ion Ratio Lower Upper

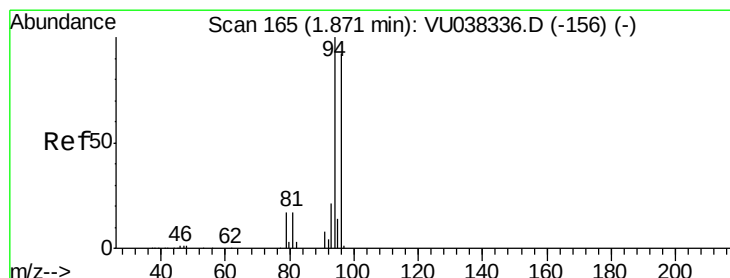
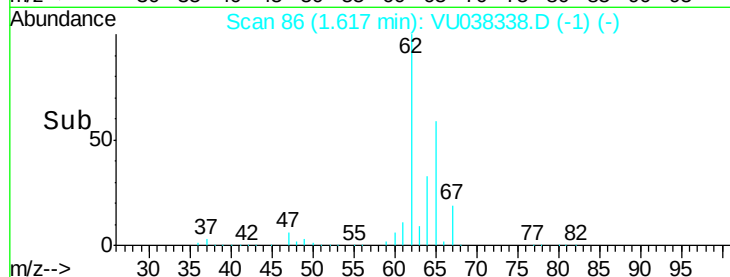
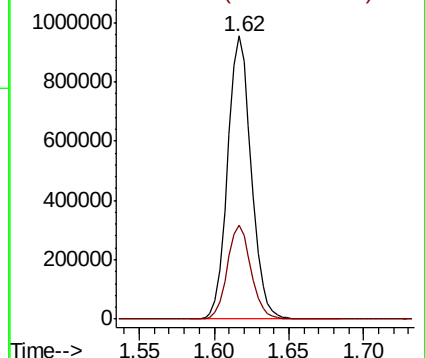
62 100

64 33.0 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 225.742 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU038338.D

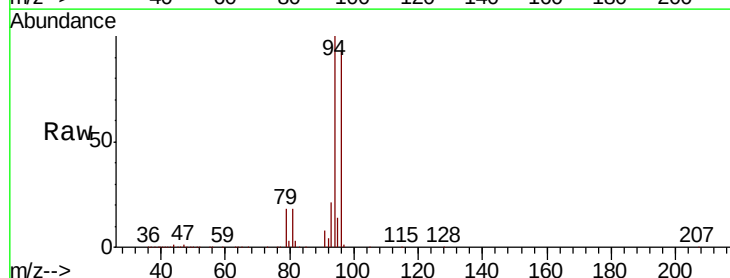
Acq: 28 May 2020 10:52

Tgt Ion: 94 Resp: 461570

Ion Ratio Lower Upper

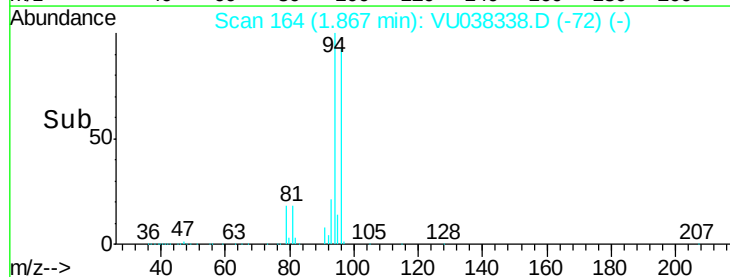
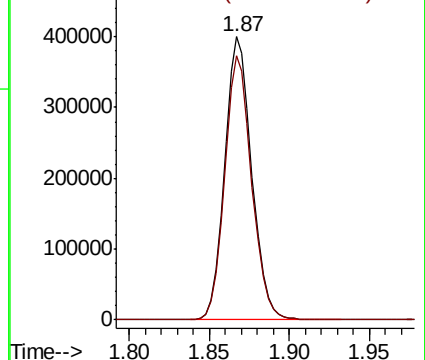
94 100

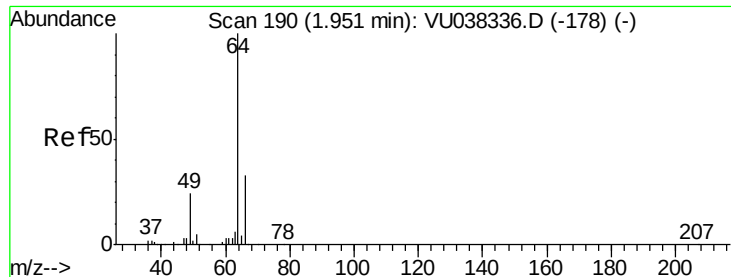
96 93.5 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

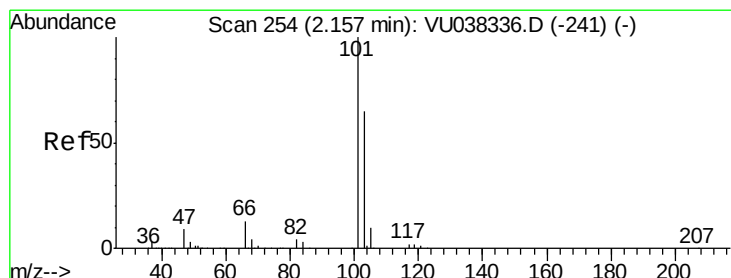
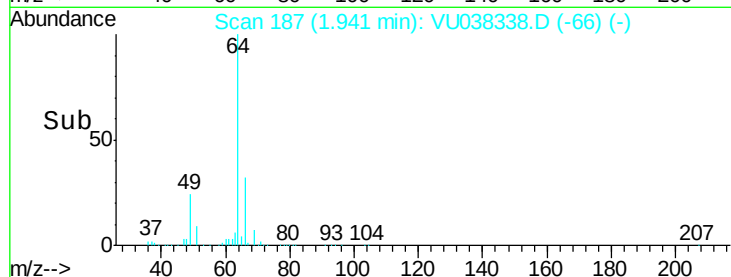
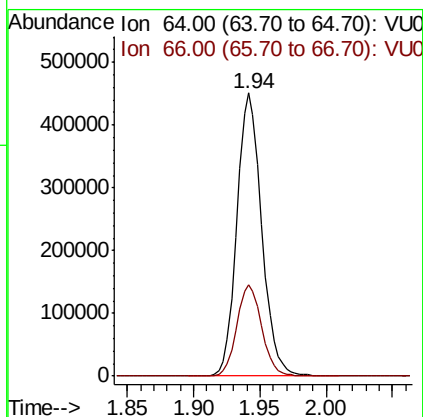
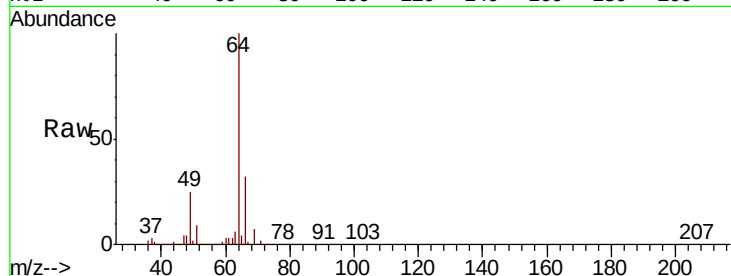




#8
Chloroethane
Concen: 191.056 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.01 min
Lab File: VU038338.D
Acq: 28 May 2020 10:52

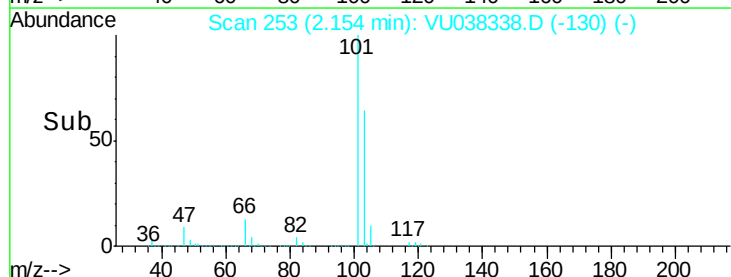
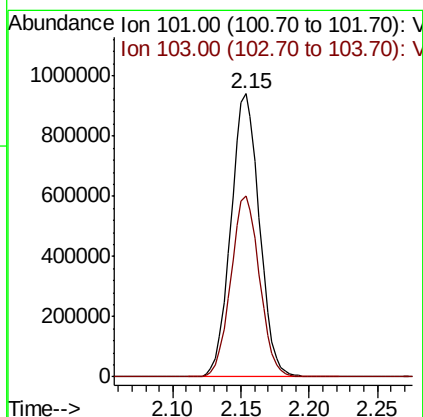
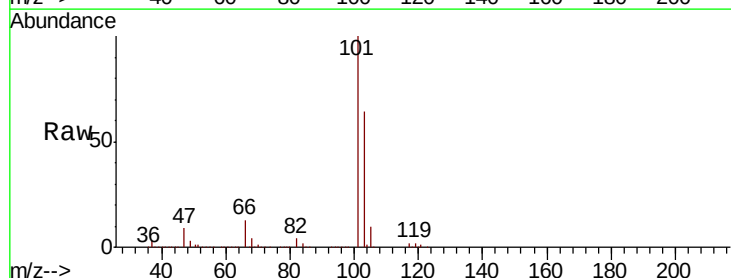
Instrument :
MSVOA_U
ClientSampleId :
VSTD20033

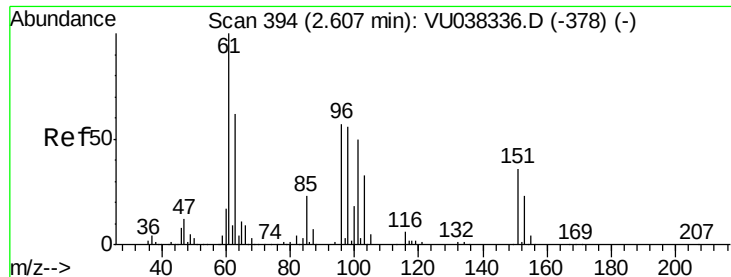
Tot Ion: 64 Resp: 583468
Ion Ratio Lower Upper
64 100
66 32.2 23.0 42.8



#9
Trichlorofluoromethane
Concen: 203.770 ug/L
RT: 2.15 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU038338.D
Acq: 28 May 2020 10:52

Tgt Ion: 101 Resp: 1364882
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.0





#10

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

Concen: 200.425 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD20033

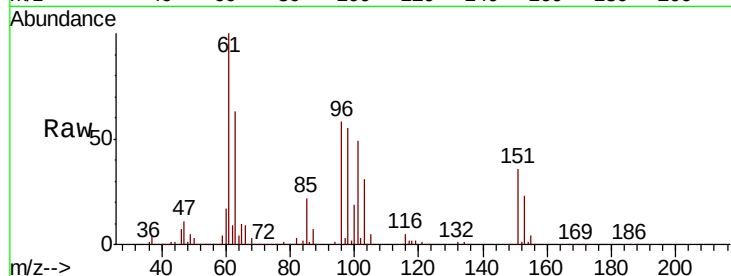
Tot Ion:101 Resp: 802682

Ion Ratio Lower Upper

101 100

85 43.5 35.5 53.3

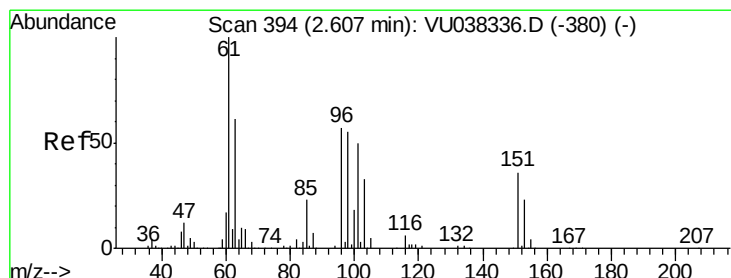
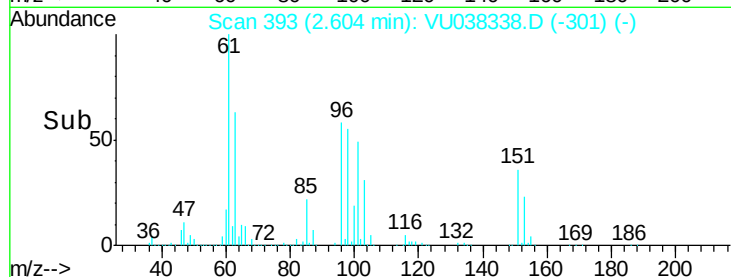
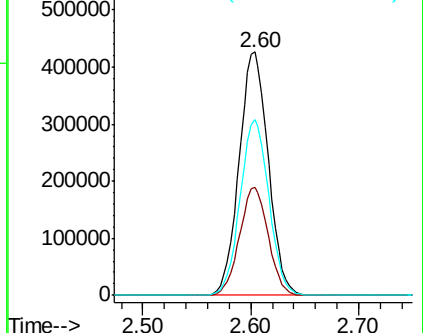
151 71.3 58.4 87.6



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: 204.251 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

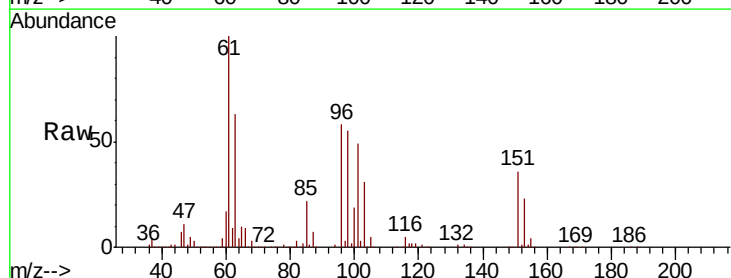
Tgt Ion: 96 Resp: 807589

Ion Ratio Lower Upper

96 100

61 173.7 123.5 229.3

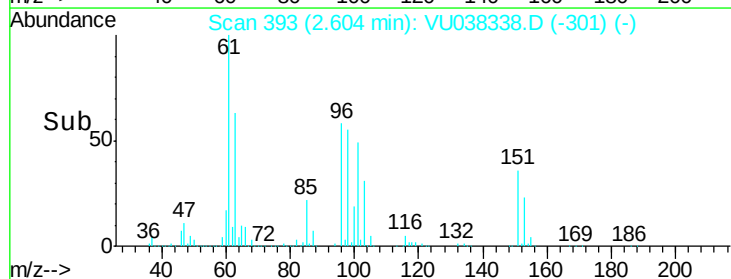
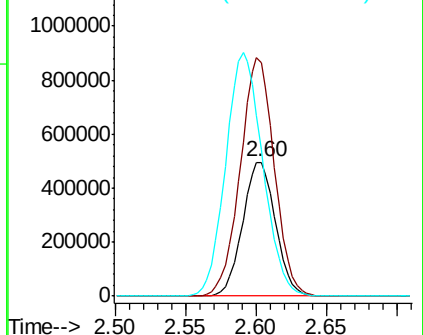
63 108.8 76.6 142.2

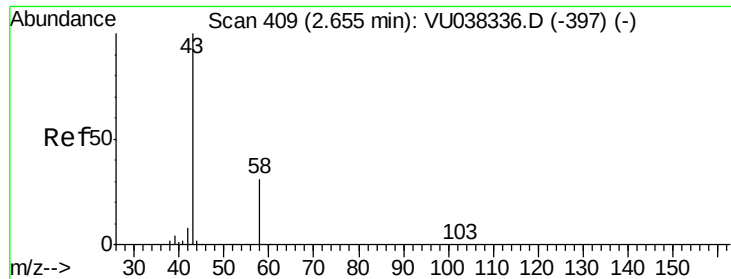


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 347.008 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

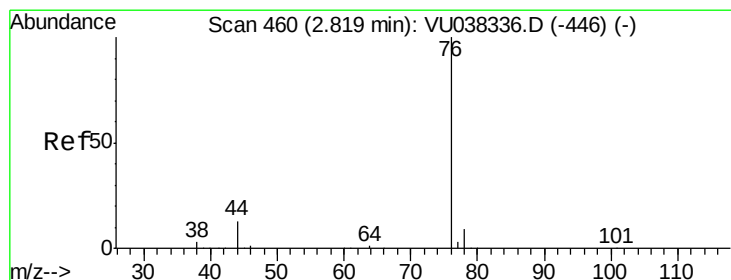
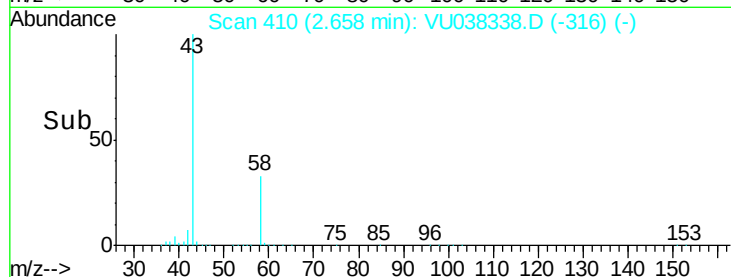
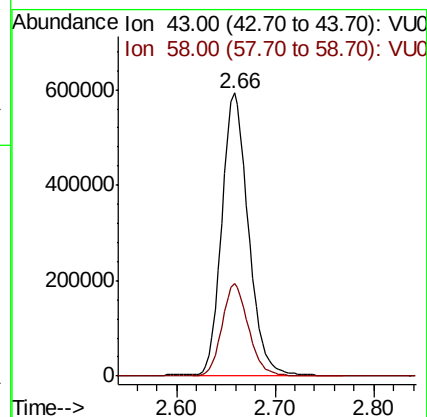
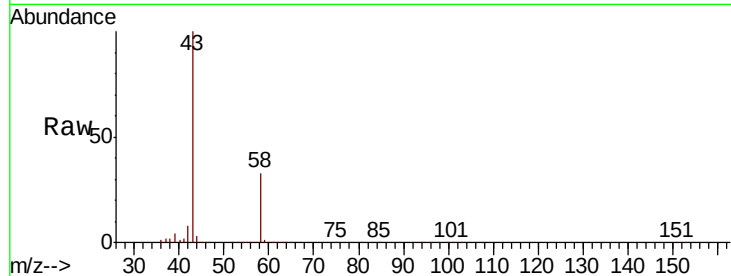
VSTD20033

Tot Ion: 43 Resp: 1121501

Ion Ratio Lower Upper

43 100

58 32.6 0.0 63.4



#14

Carbon disulfide

Concen: 207.097 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038338.D

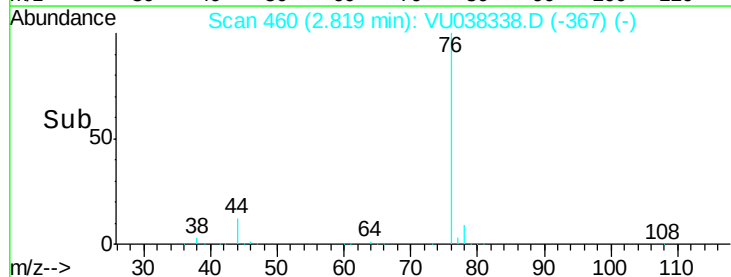
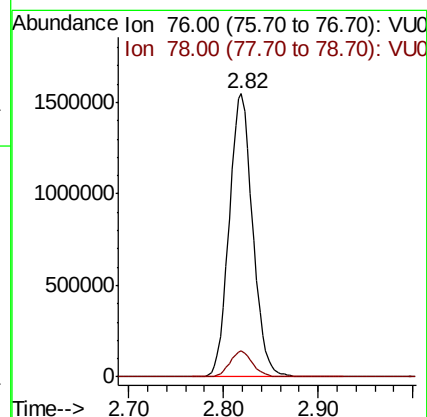
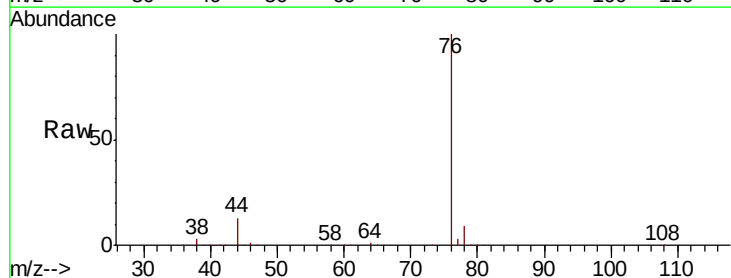
Acq: 28 May 2020 10:52

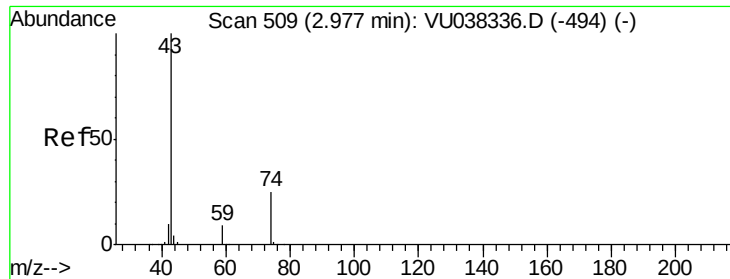
Tgt Ion: 76 Resp: 2670548

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

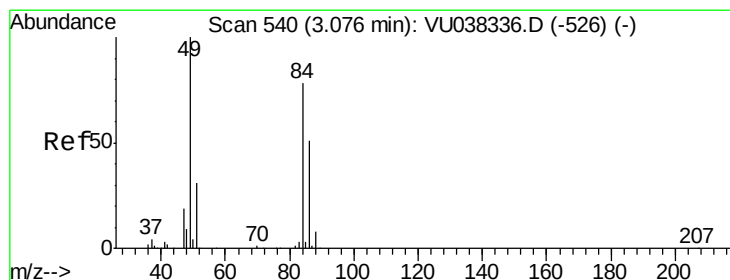
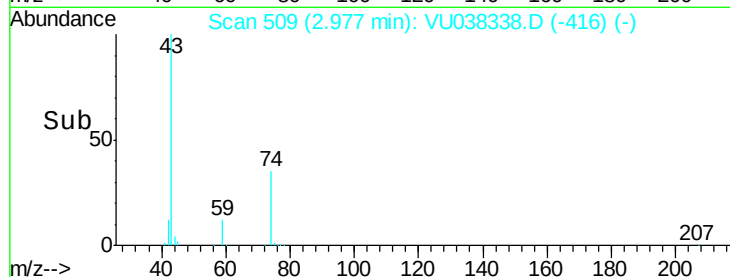
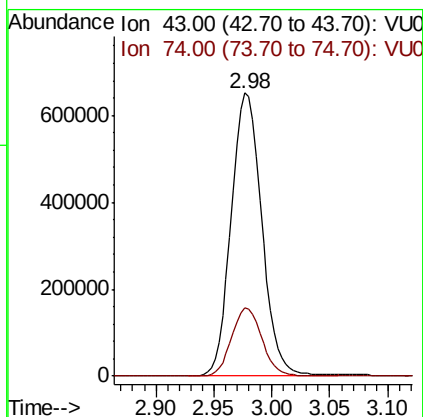
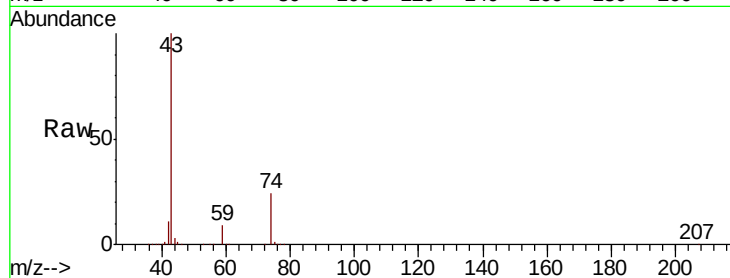




#15
Methvl Acetate
Concen: 206.358 ug/L
RT: 2.98 min Scan# 509
Delta R.T. -0.00 min
Lab File: VU038338.D
Acq: 28 May 2020 10:52

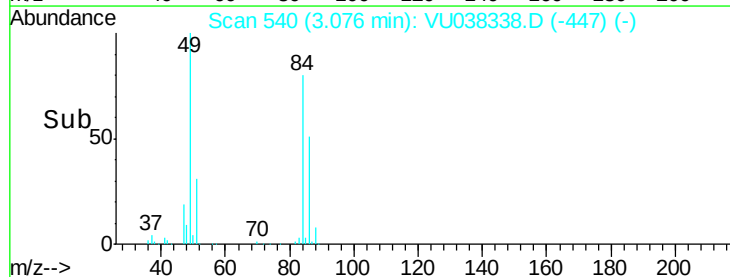
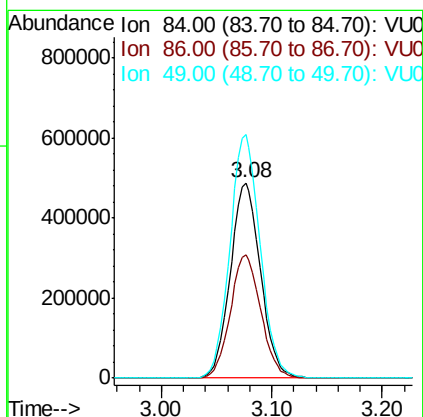
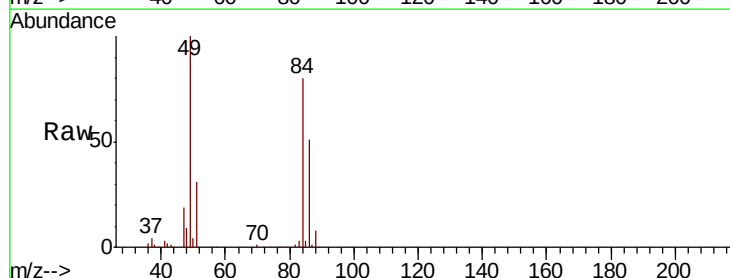
Instrument :
MSVOA_U
ClientSampleId :
VSTD20033

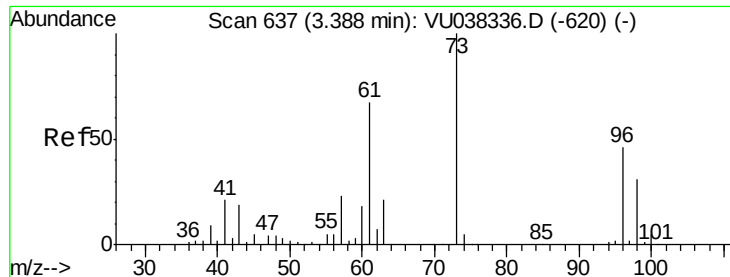
Tot Ion: 43 Resp: 1195502
Ion Ratio Lower Upper
43 100
74 24.0 19.1 28.7



#16
Methylene chloride
Concen: 203.647 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038338.D
Acq: 28 May 2020 10:52

Tgt Ion: 84 Resp: 925228
Ion Ratio Lower Upper
84 100
86 63.2 46.1 85.7
49 124.5 90.0 167.2





#17

trans-1,2-Dichloroethene

Concen: 206.656 ug/L

RT: 3.38 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD20033

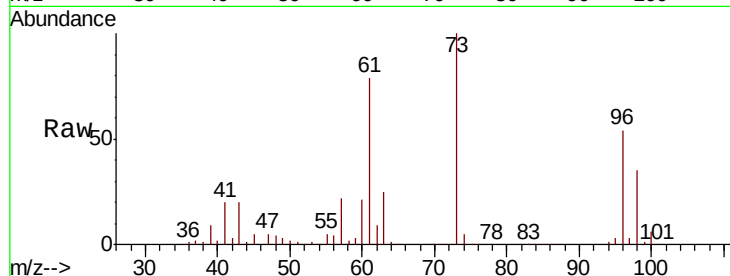
Tot Ion: 96 Resp: 877688

Ion Ratio Lower Upper

96 100

61 144.7 100.4 186.4

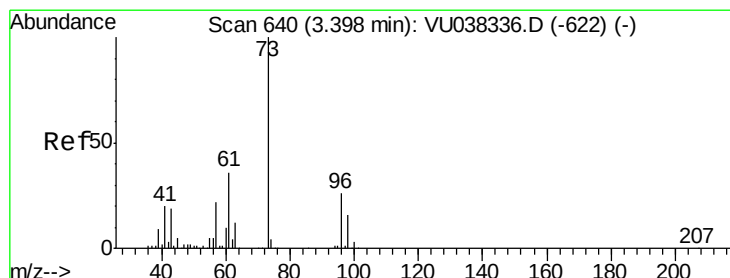
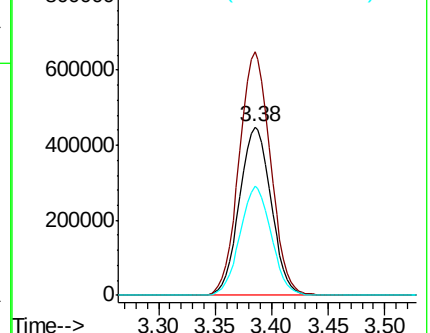
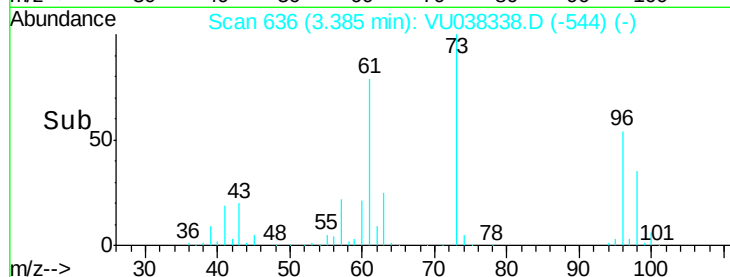
98 64.7 46.1 85.5



Abundance Ion 96.00 (95.70 to 96.70): VU038338.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU038338.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU038338.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 216.893 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

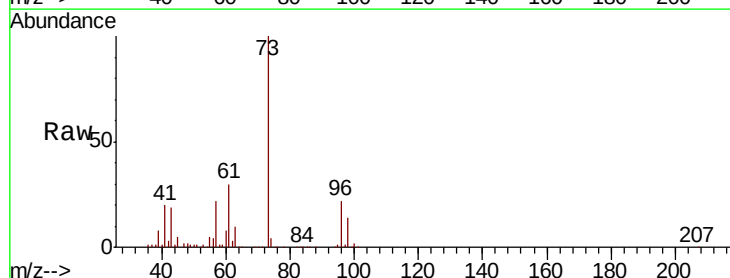
Tgt Ion: 73 Resp: 2953875

Ion Ratio Lower Upper

73 100

43 19.4 15.7 23.5

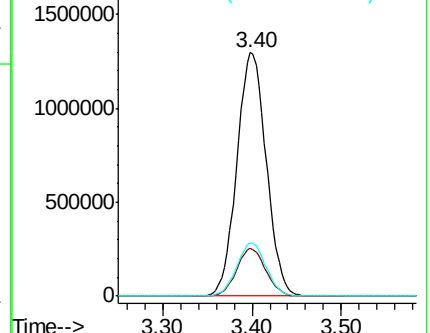
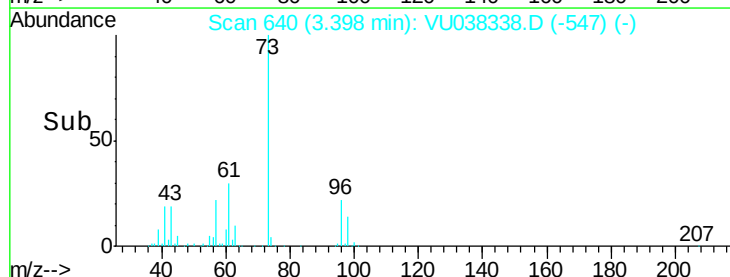
57 21.8 17.7 26.5

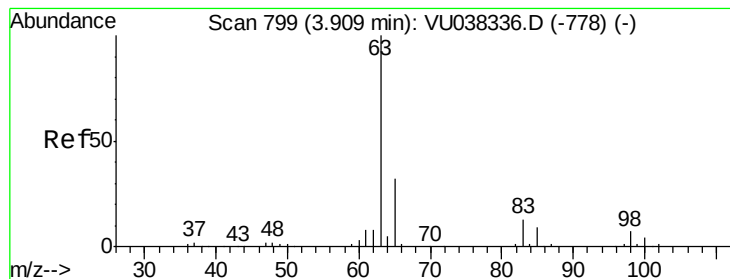


Abundance Ion 73.00 (72.70 to 73.70): VU038338.D (-547) (-)

Ion 43.00 (42.70 to 43.70): VU038338.D (-547) (-)

Ion 57.00 (56.70 to 57.70): VU038338.D (-547) (-)





#19

1,1-Dichloroethane

Concen: 205.435 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD20033

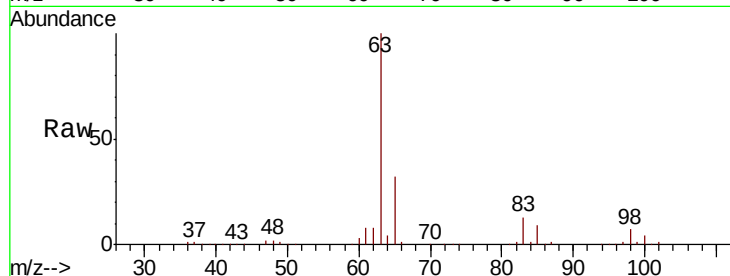
Tot Ion: 63 Resp: 1652298

Ion Ratio Lower Upper

63 100

65 32.3 22.2 41.2

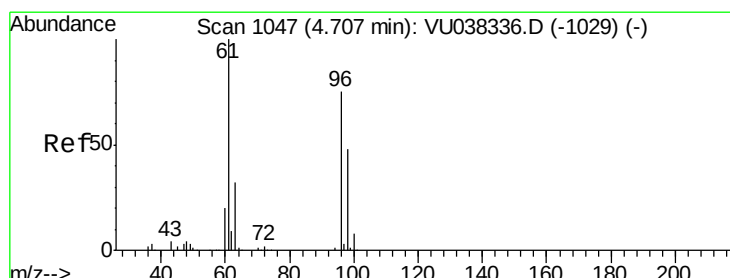
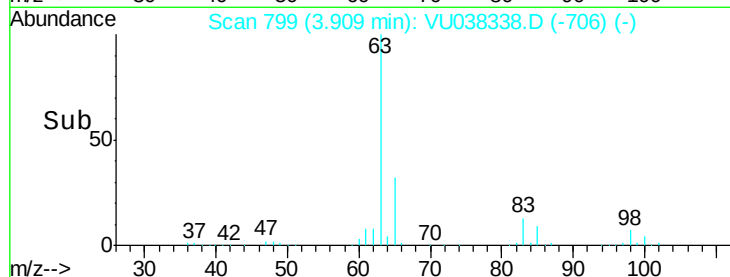
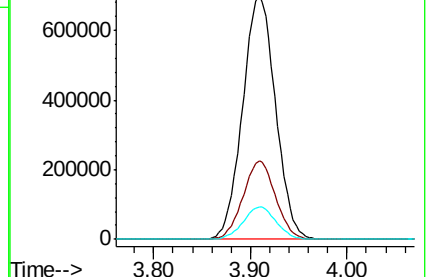
83 13.2 9.4 17.4



Abundance Ion 63.00 (62.70 to 63.70): VU038338.D (-778) (-)

Ion 65.00 (64.70 to 65.70): VU038338.D (-778) (-)

Ion 83.00 (82.70 to 83.70): VU038338.D (-778) (-)



#20

cis-1,2-Dichloroethene

Concen: 208.142 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

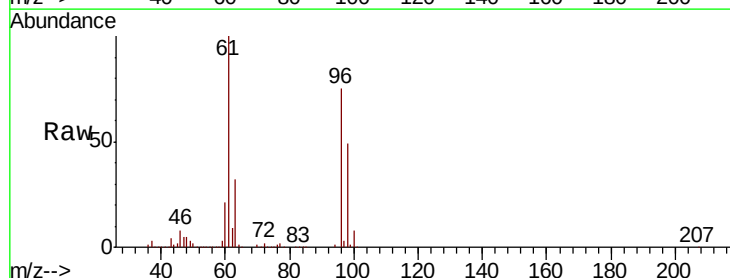
Tgt Ion: 96 Resp: 968388

Ion Ratio Lower Upper

96 100

61 132.6 93.4 173.4

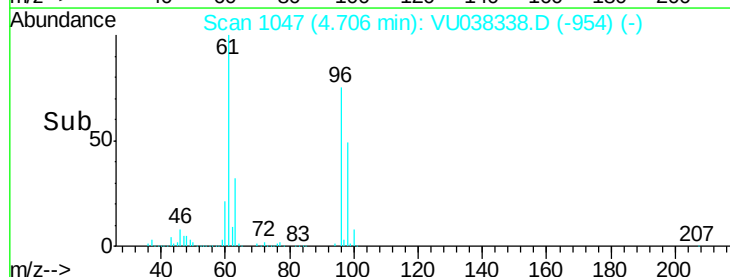
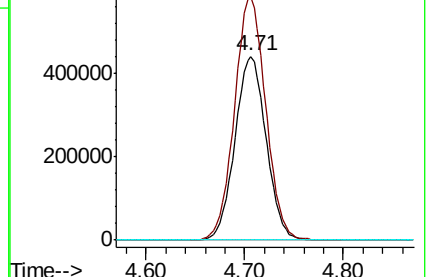
68 0.0 0.0 0.0

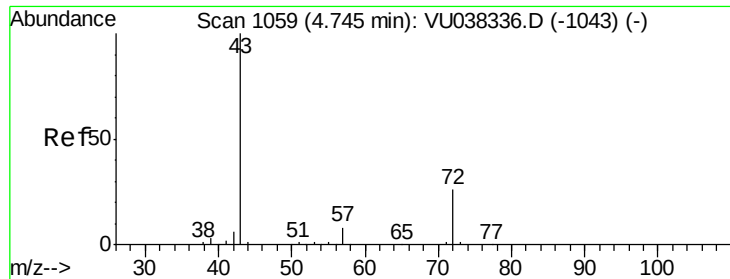


Abundance Ion 96.00 (95.70 to 96.70): VU038338.D (-1029) (-)

Ion 61.00 (60.70 to 61.70): VU038338.D (-1029) (-)

Ion 68.00 (67.70 to 68.70): VU038338.D (-1029) (-)





#22

2-Butanone

Concen: 403.865 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

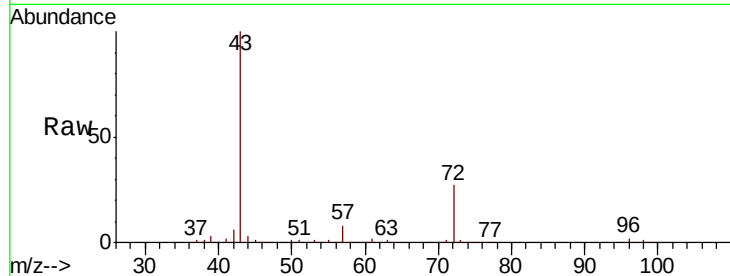
VSTD20033

Tot Ion: 43 Resp: 1830008

Ion Ratio Lower Upper

43 100

72 27.5 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VU038338.D (-1043) (-)

Ion 72.00 (71.70 to 72.70): VU038338.D (-1043) (-)

4.75

800000

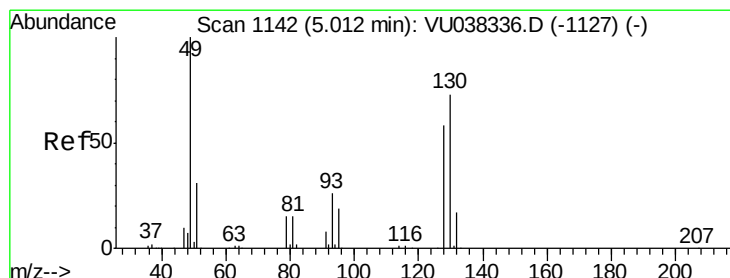
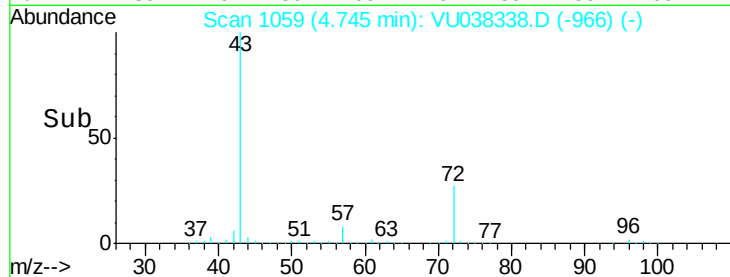
600000

400000

200000

0

Time-->



#23

Bromochloromethane

Concen: 203.818 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

Tgt Ion:128 Resp: 469460

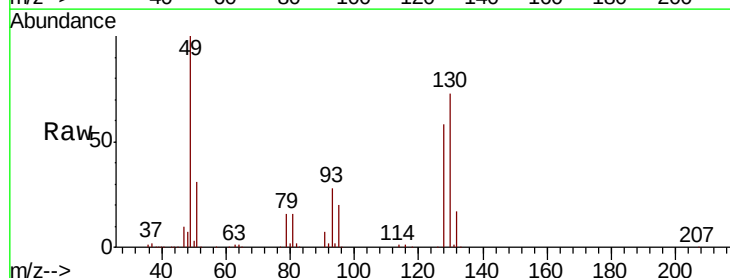
Ion Ratio Lower Upper

128 100

49 173.5 120.1 223.1

130 127.1 88.1 163.5

51 54.5 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VU038338.D (-1127) (-)

Ion 49.00 (48.70 to 49.70): VU038338.D (-1127) (-)

Ion 130.00 (129.70 to 130.70): VU038338.D (-1127) (-)

Ion 51.00 (50.70 to 51.70): VU038338.D (-1127) (-)

5.01

600000

500000

400000

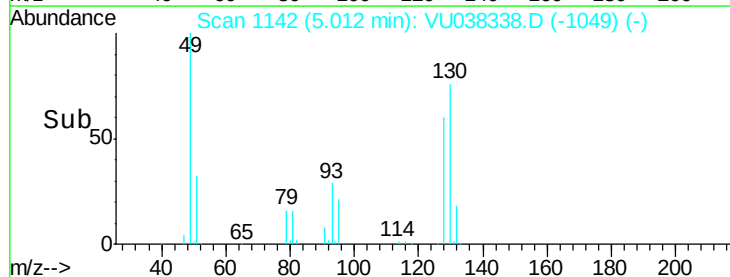
300000

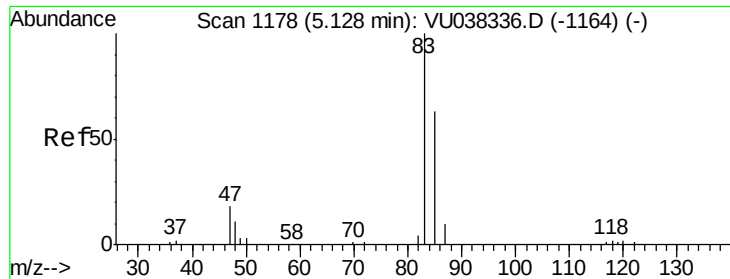
200000

100000

0

Time-->

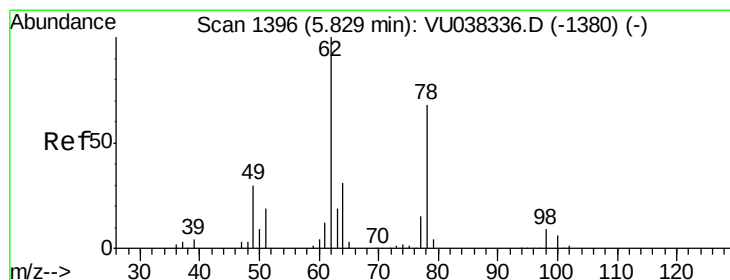
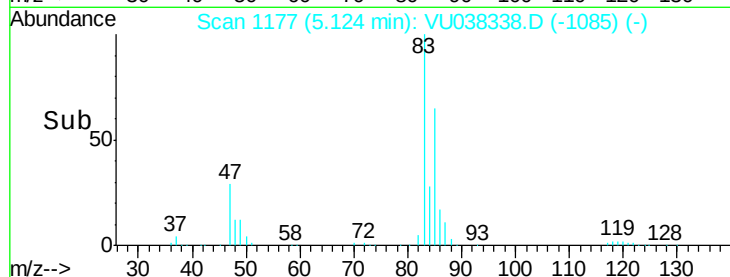
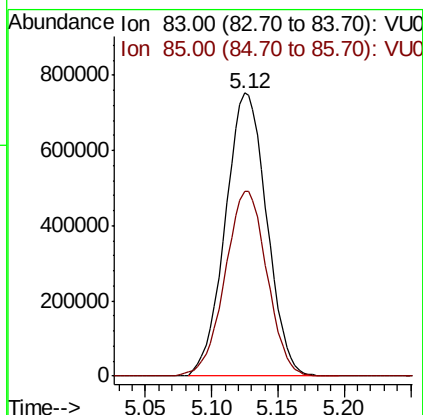
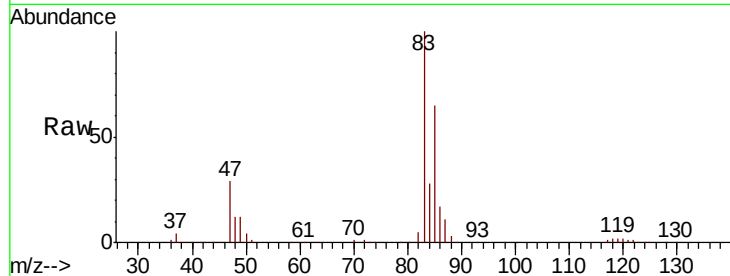




#25
Chloroform
Concen: 197.559 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038338.D
Acq: 28 May 2020 10:52

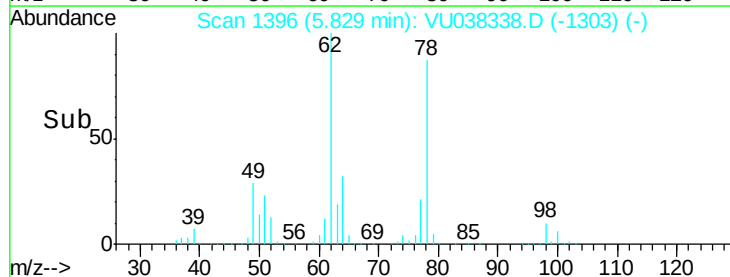
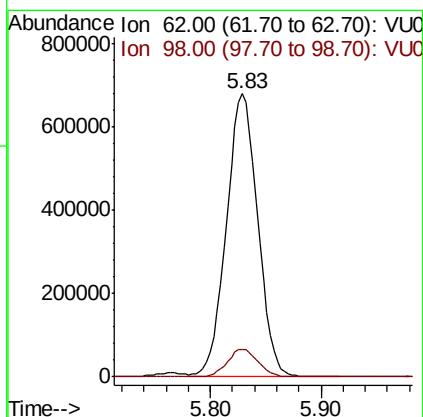
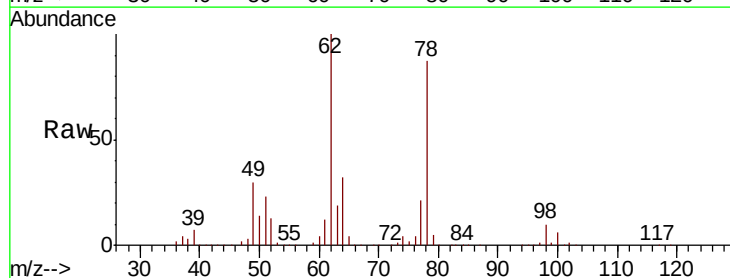
Instrument :
MSVOA_U
ClientSampleId :
VSTD20033

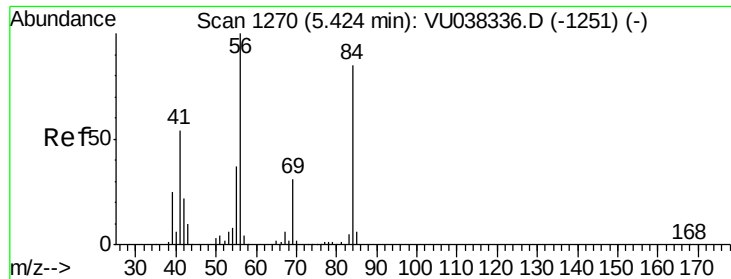
Tot Ion: 83 Resp: 1634029
Ion Ratio Lower Upper
83 100
85 65.2 44.9 83.5



#27
1,2-Dichloroethane
Concen: 199.859 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038338.D
Acq: 28 May 2020 10:52

Tgt Ion: 62 Resp: 1338473
Ion Ratio Lower Upper
62 100
98 9.9 7.5 11.3

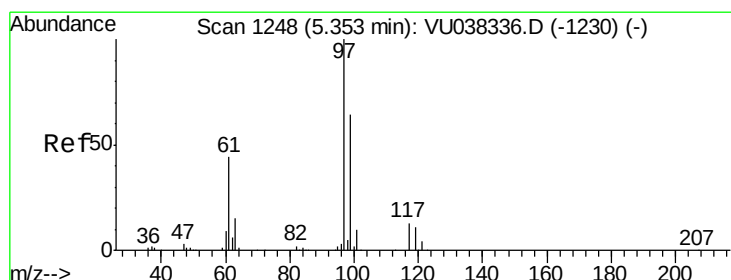
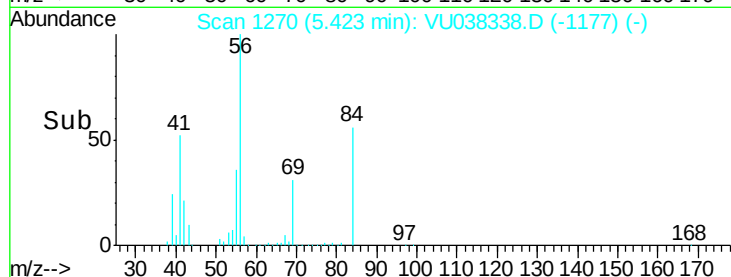
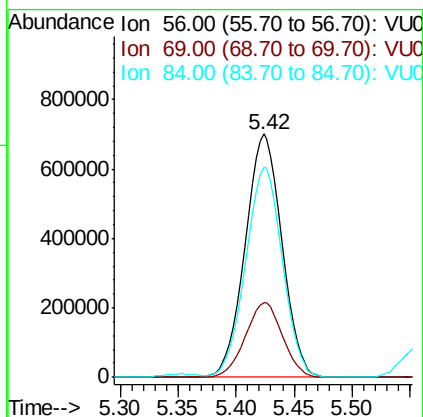
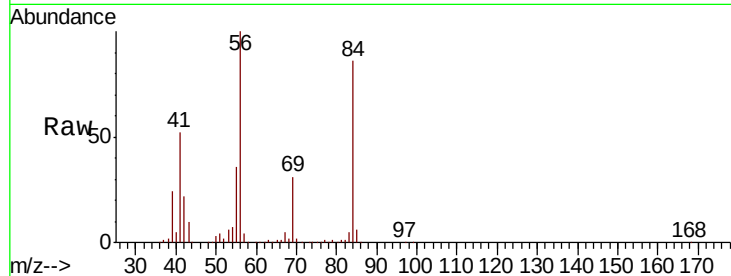




#29
Cyclohexane
Concen: 208.678 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038338.D
Acq: 28 May 2020 10:52

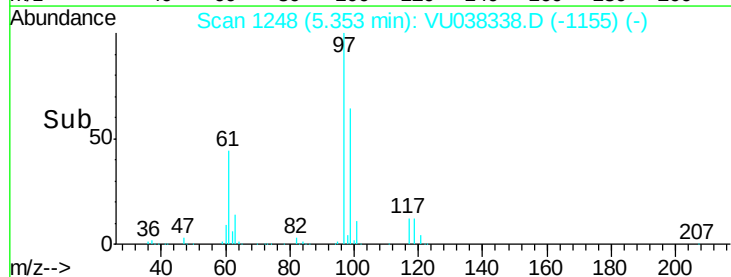
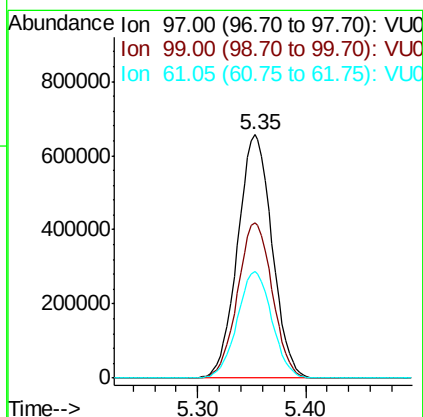
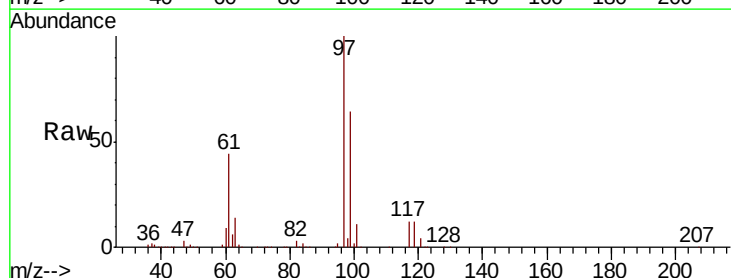
Instrument :
MSVOA_U
ClientSampleId :
VSTD20033

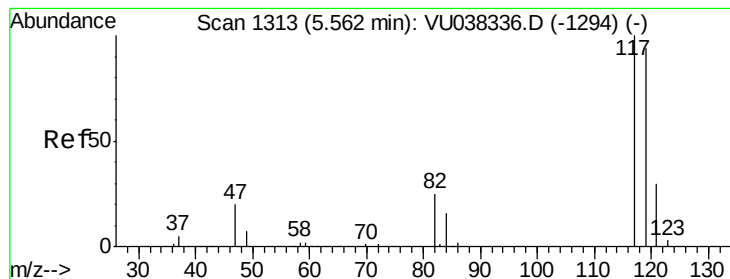
Tot Ion: 56 Resp: 1548338
Ion Ratio Lower Upper
56 100
69 30.9 24.7 37.1
84 86.5 68.2 102.4



#30
1,1,1-Trichloroethane
Concen: 206.985 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU038338.D
Acq: 28 May 2020 10:52

Tgt Ion: 97 Resp: 1456532
Ion Ratio Lower Upper
97 100
99 64.6 51.2 76.8
61 44.1 35.9 53.9





#31

Carbon tetrachloride

Concen: 208.711 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

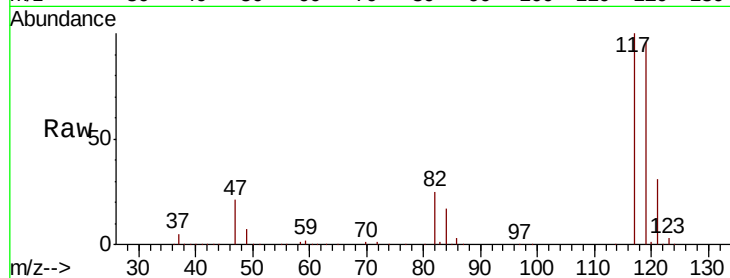
VSTD20033

Tot Ion:117 Resp: 1224036

Ion Ratio Lower Upper

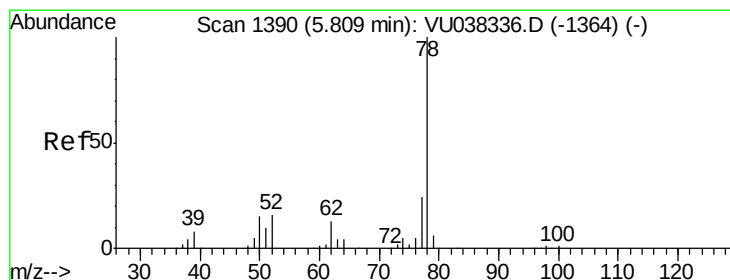
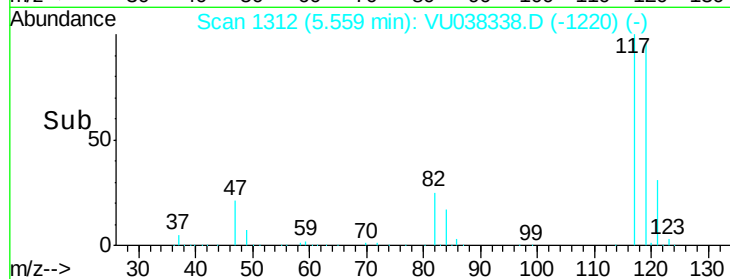
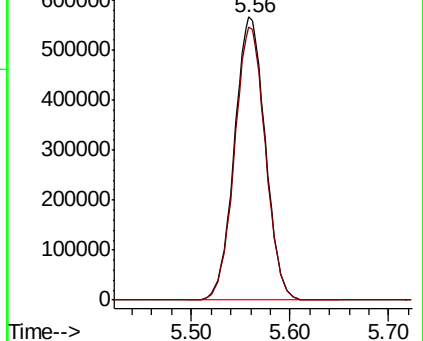
117 100

119 96.3 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: 204.010 ug/L

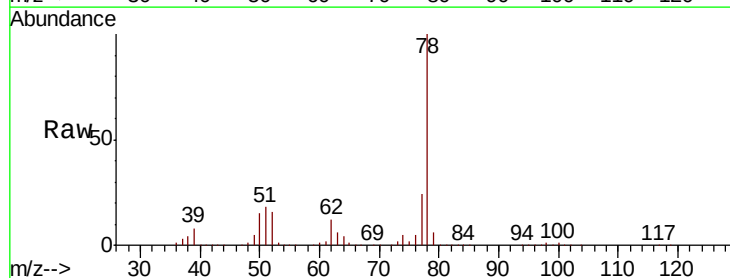
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

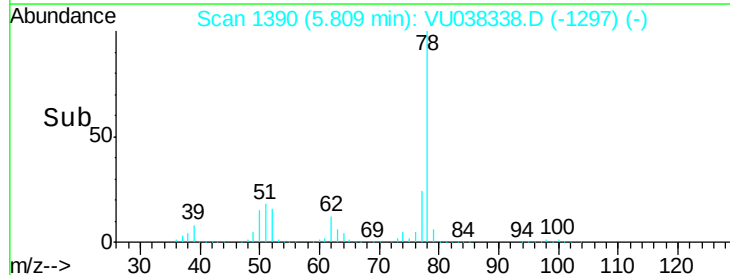
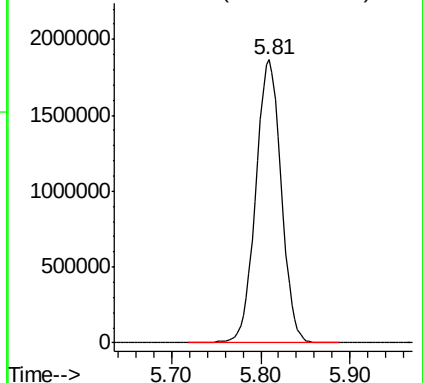
Lab File: VU038338.D

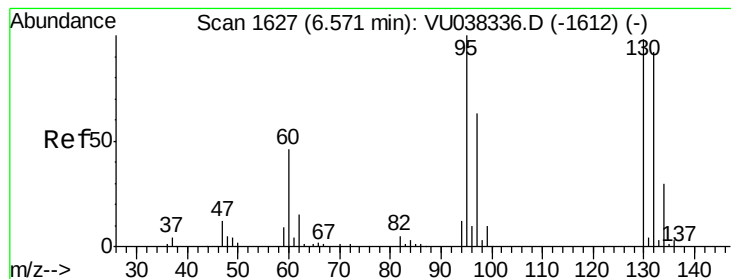
Acq: 28 May 2020 10:52

Tgt Ion: 78 Resp: 3707928



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 200.967 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD20033

Tot Ion: 95 Resp: 934535

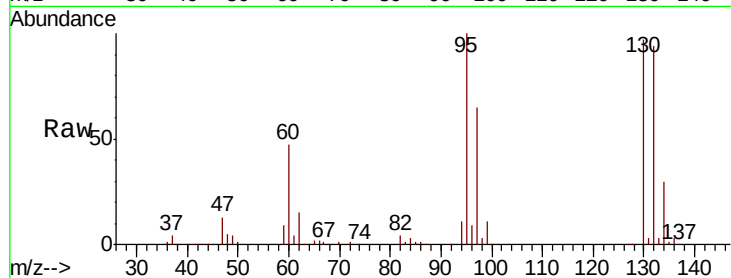
Ion Ratio Lower Upper

95 100

97 64.8 44.3 82.3

132 93.6 64.7 120.1

130 97.3 68.5 127.1

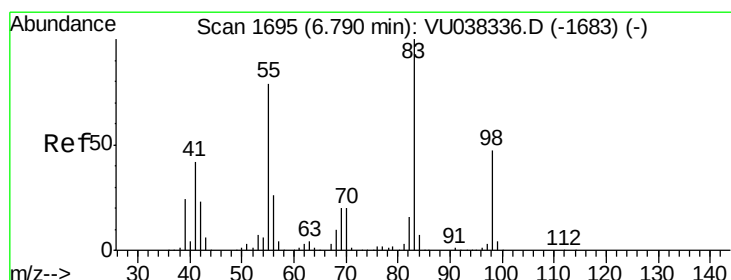
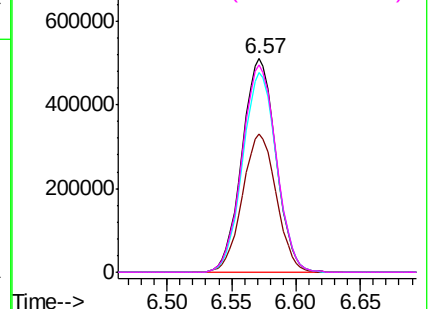
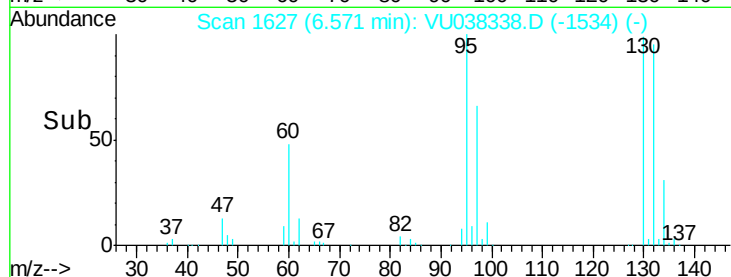


Abundance Ion 95.00 (94.70 to 95.70): VU038338.D (-1612) (-)

Ion 97.00 (96.70 to 97.70): VU038338.D (-1612) (-)

Ion 132.00 (131.70 to 132.70): VU038338.D (-1612) (-)

Ion 130.00 (129.70 to 130.70): VU038338.D (-1612) (-)



#35

Methylcyclohexane

Concen: 215.063 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

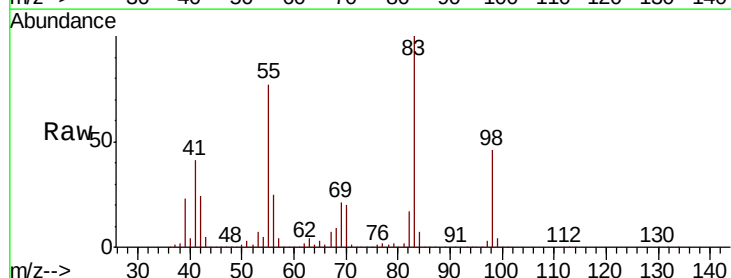
Tgt Ion: 83 Resp: 1570172

Ion Ratio Lower Upper

83 100

55 76.9 63.0 94.4

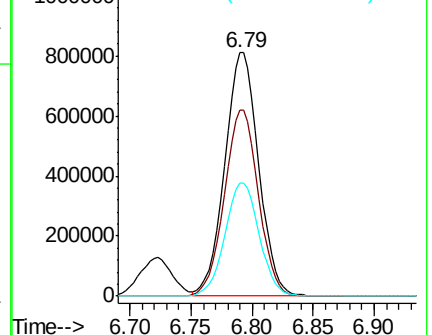
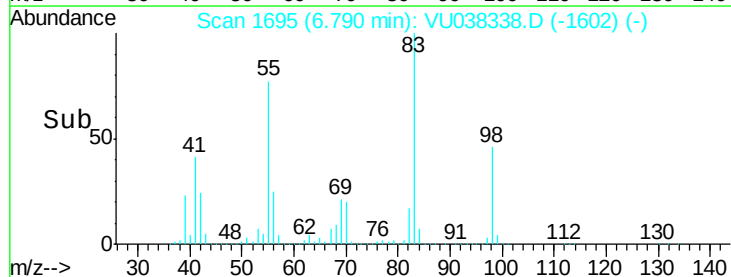
98 47.0 38.6 57.8

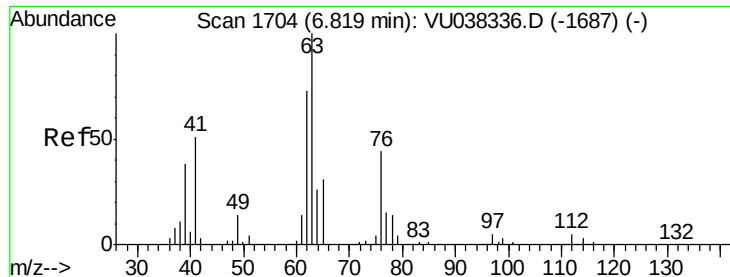


Abundance Ion 83.00 (82.70 to 83.70): VU038338.D (-1683) (-)

Ion 55.00 (54.70 to 55.70): VU038338.D (-1683) (-)

Ion 98.00 (97.70 to 98.70): VU038338.D (-1683) (-)

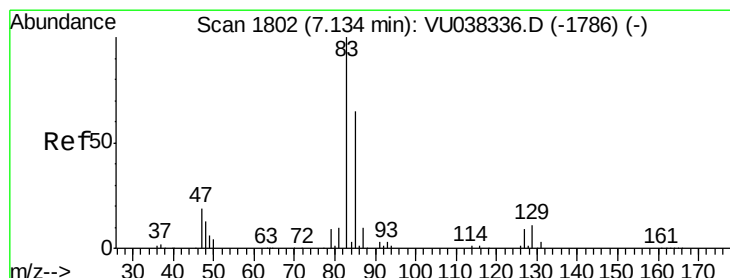
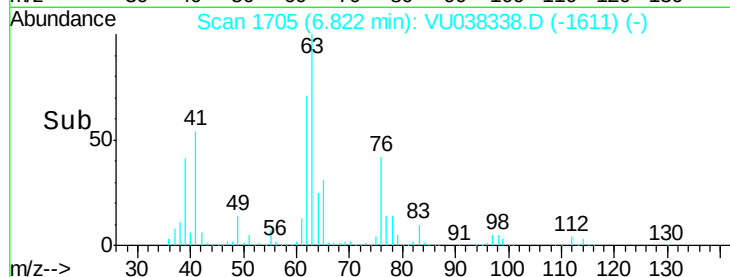
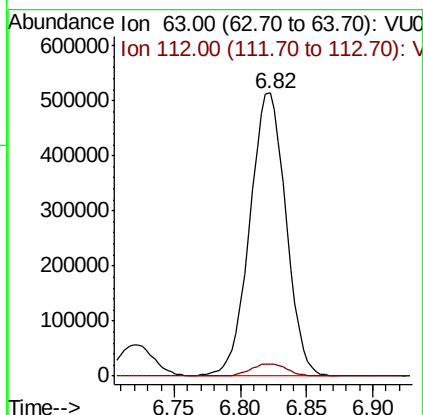
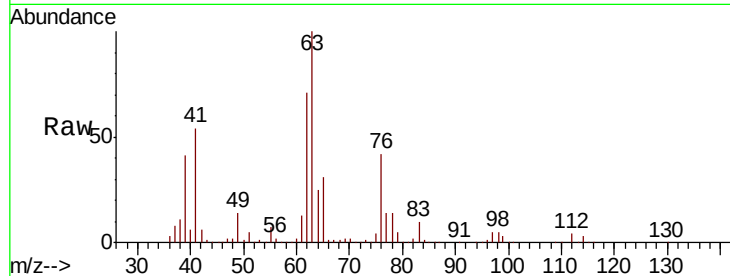




#37
 1,2-Dichloropropane
 Concen: 206.709 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038338.D
 Acq: 28 May 2020 10:52

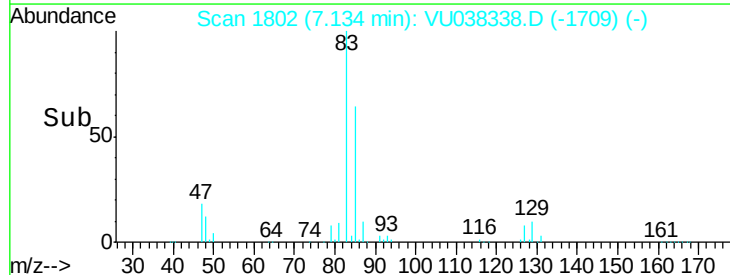
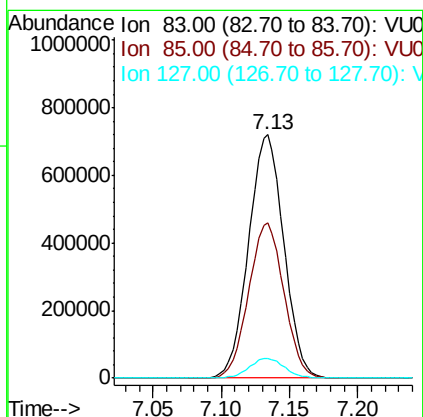
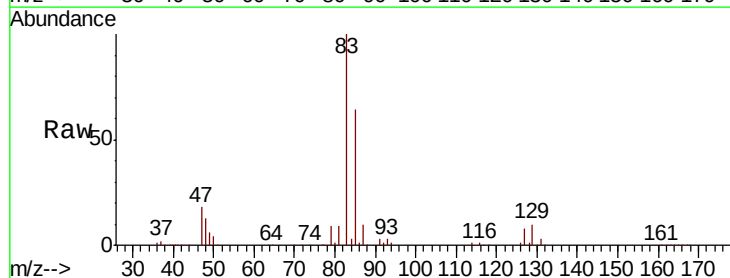
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20033

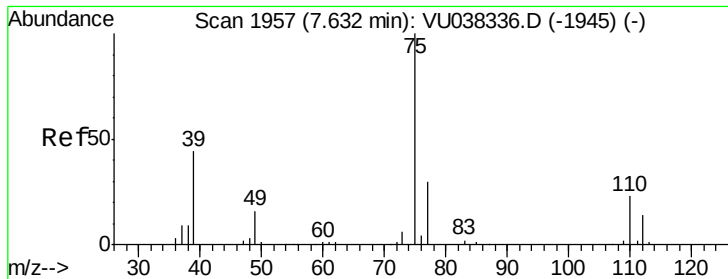
Tot Ion: 63 Resp: 974354
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#38
 Bromodichloromethane
 Concen: 213.695 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU038338.D
 Acq: 28 May 2020 10:52

Tgt Ion: 83 Resp: 1290836
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.5 84.5
 127 8.2 7.0 10.4

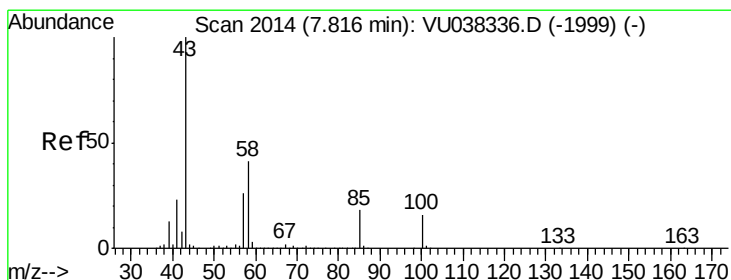
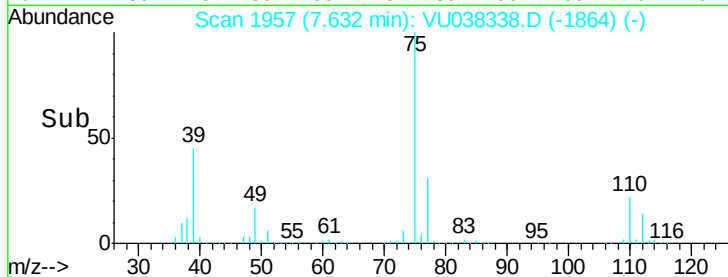
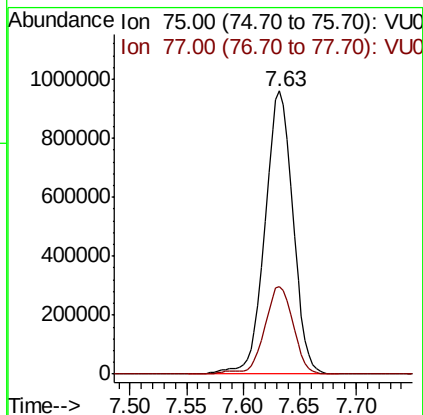
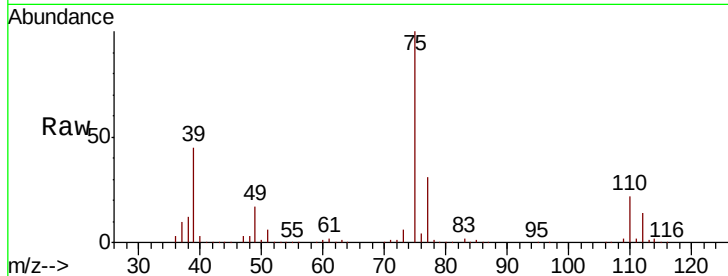




#39
 cis-1,3-Dichloropropene
 Concen: 219.827 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038338.D
 Acq: 28 May 2020 10:52

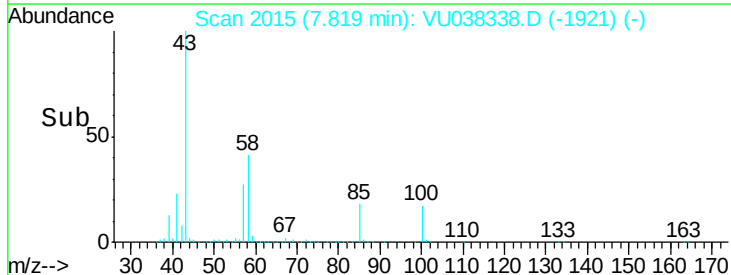
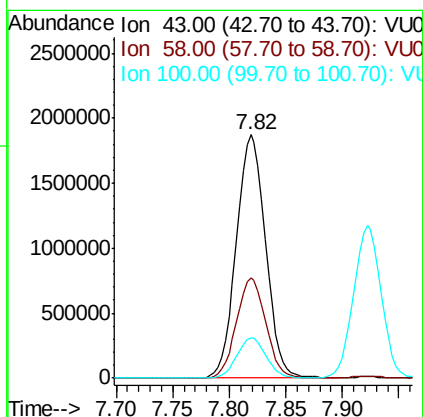
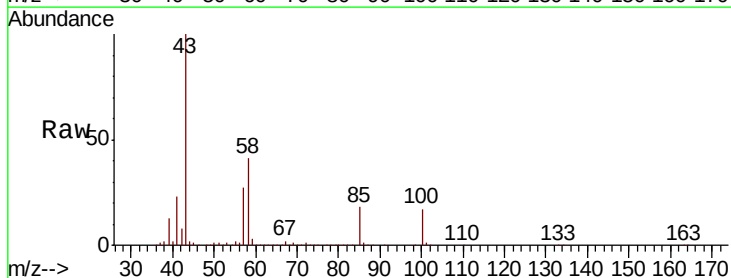
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20033

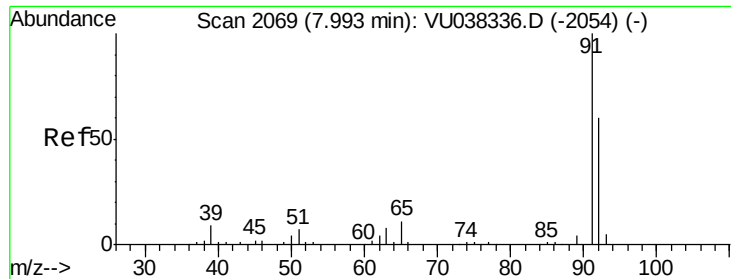
Tot Ion: 75 Resp: 1648860
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 452.253 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038338.D
 Acq: 28 May 2020 10:52

Tgt Ion: 43 Resp: 3390263
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.6 48.8
 100 16.5 12.9 19.3





#42

Toluene

Concen: 209.186 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

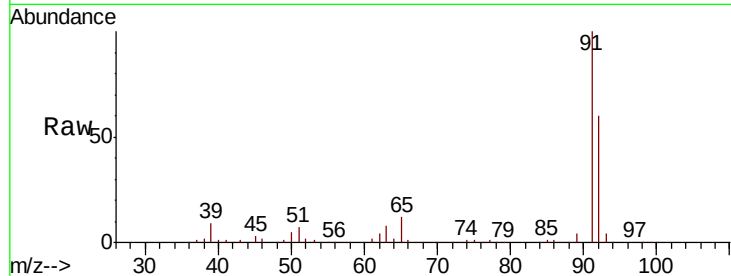
VSTD20033

Tot Ion: 91 Resp: 3991541

Ion Ratio Lower Upper

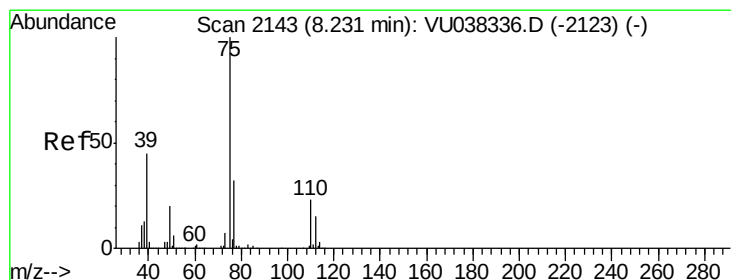
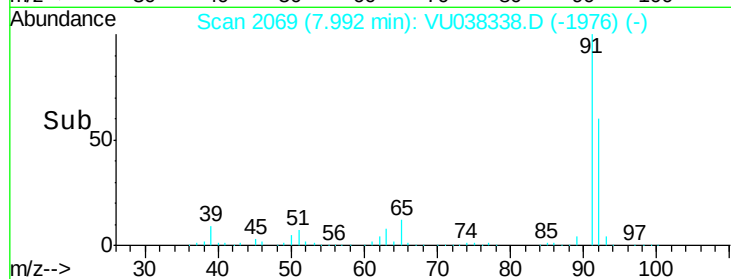
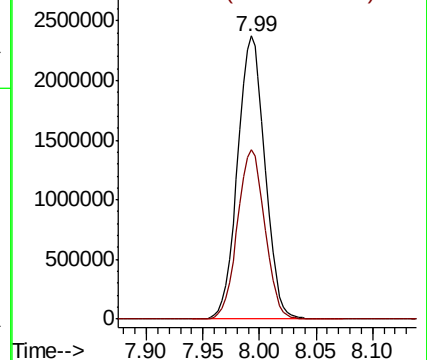
91 100

92 59.9 42.0 78.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 228.077 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038338.D

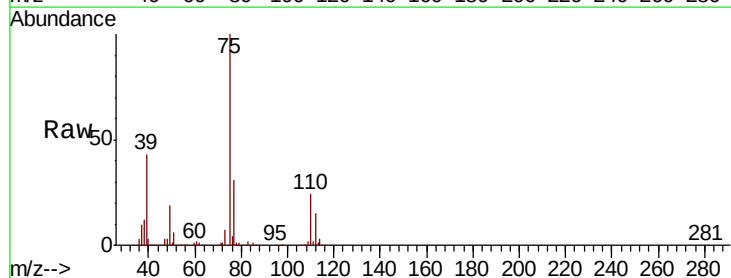
Acq: 28 May 2020 10:52

Tgt Ion: 75 Resp: 1601373

Ion Ratio Lower Upper

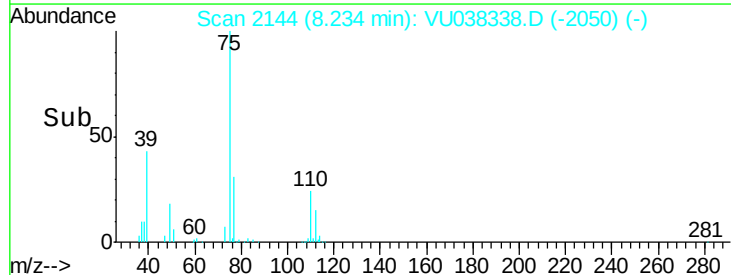
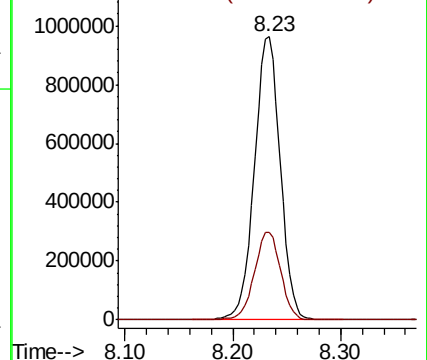
75 100

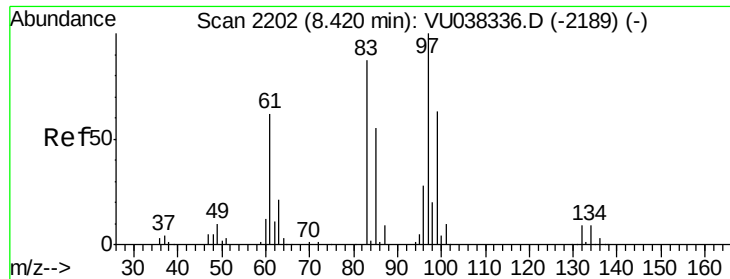
77 31.1 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

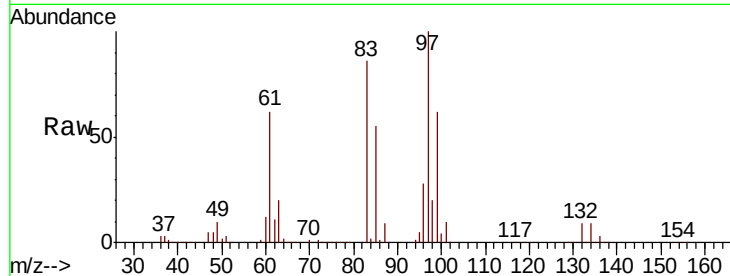




#45
 1,1,2-Trichloroethane
 Concen: 209.325 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038338.D
 Acq: 28 May 2020 10:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20033

Tot Ion:	97	Resp:	936332
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.0	81.8
83	86.0	60.8	113.0
85	55.3	38.1	70.9



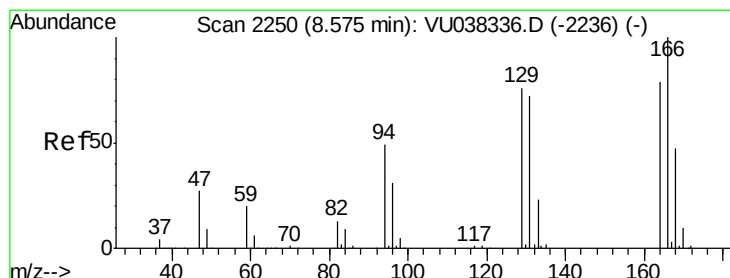
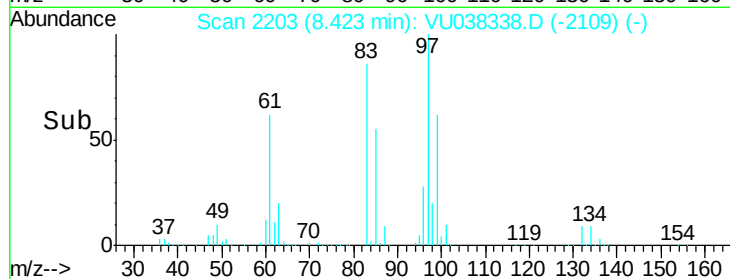
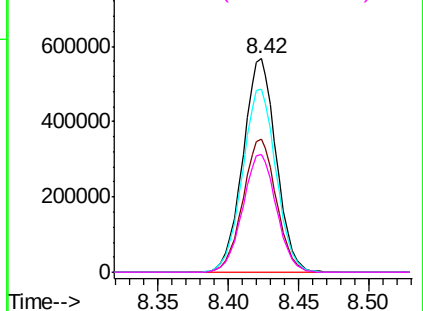
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

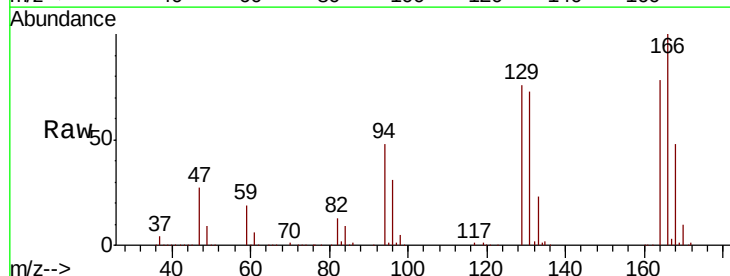
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 204.513 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038338.D
 Acq: 28 May 2020 10:52

Tgt Ion:	164	Resp:	695273
Ion	Ratio	Lower	Upper
164	100		
129	97.3	67.2	124.8
131	93.5	63.4	117.8
166	127.5	88.5	164.4



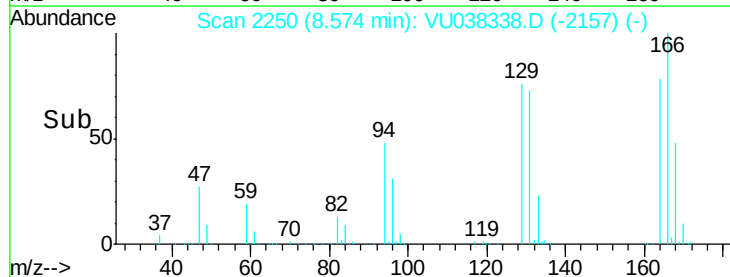
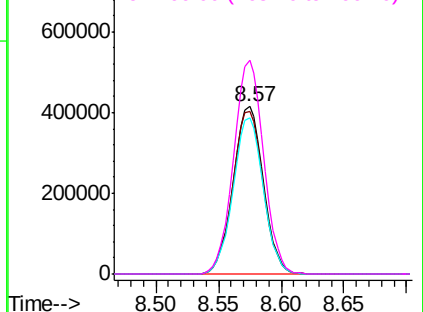
Abundance

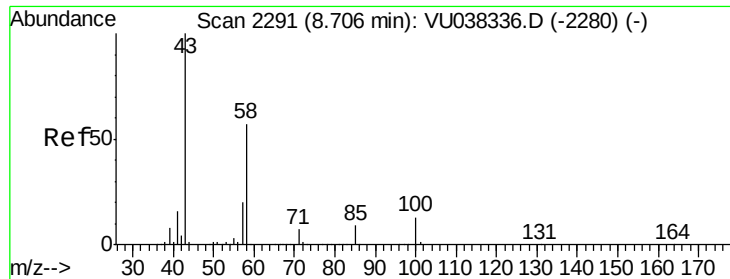
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

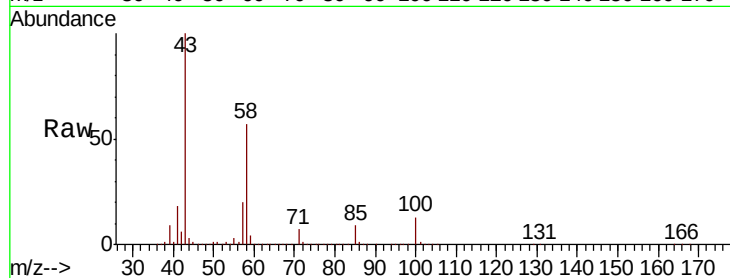




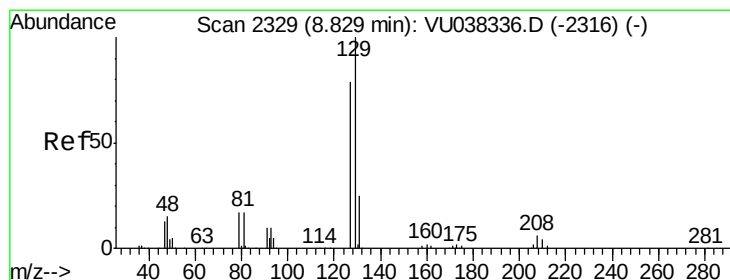
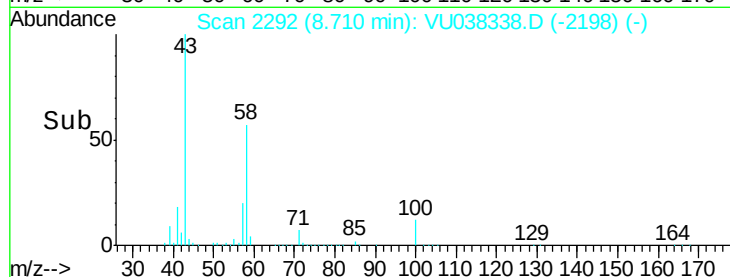
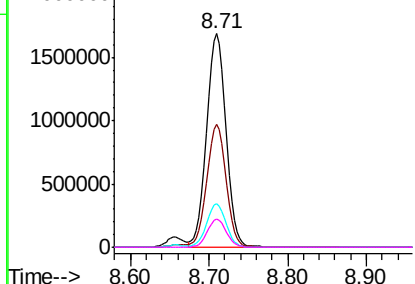
#48
2-Hexanone
Concen: 452.460 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038338.D
Acq: 28 May 2020 10:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD20033

Tot Ion: 43 Resp: 2863778
Ion Ratio Lower Upper
43 100
58 57.5 45.5 68.3
57 20.2 16.3 24.5
100 12.9 10.5 15.7

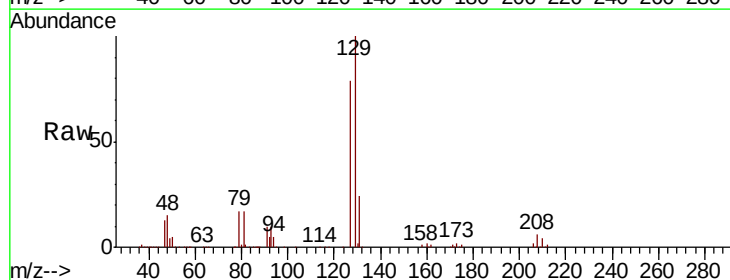


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

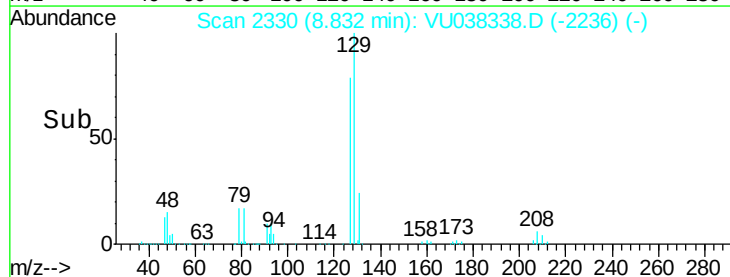
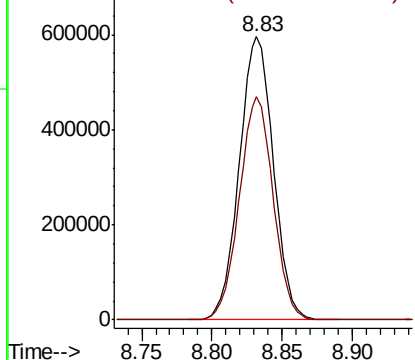


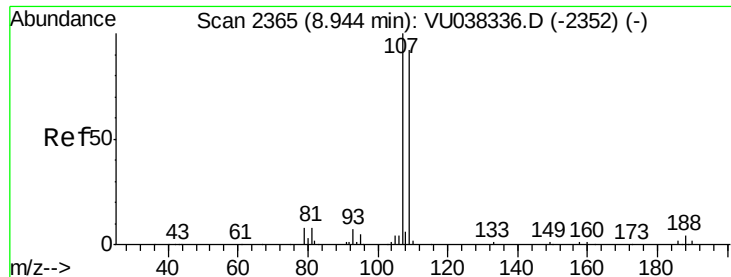
#49
Dibromochloromethane
Concen: 222.784 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038338.D
Acq: 28 May 2020 10:52

Tgt Ion: 129 Resp: 1008997
Ion Ratio Lower Upper
129 100
127 78.6 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

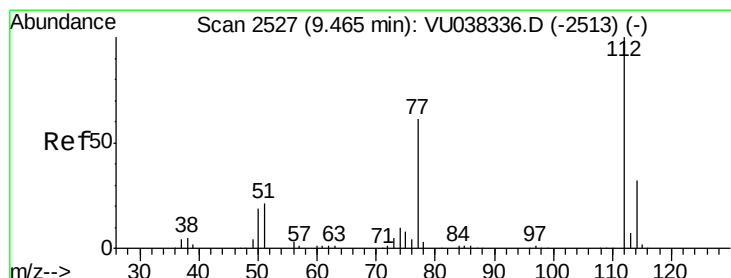
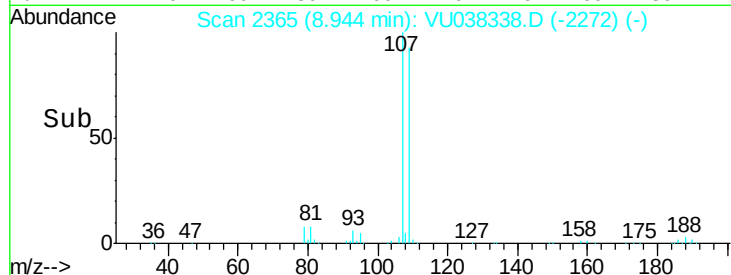
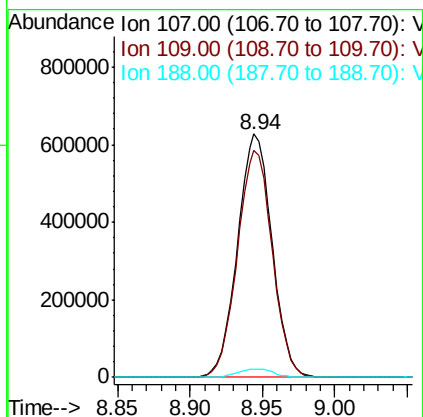
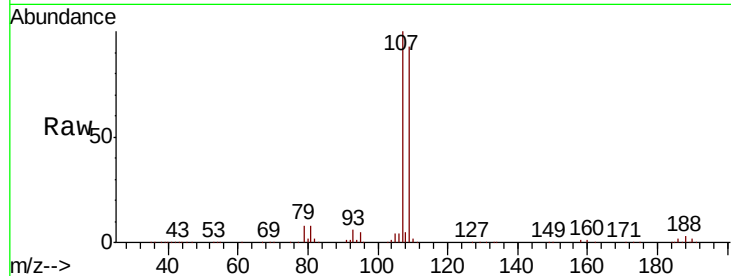




#50
 1,2-Dibromoethane
 Concen: 215.373 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU038338.D
 Acq: 28 May 2020 10:52

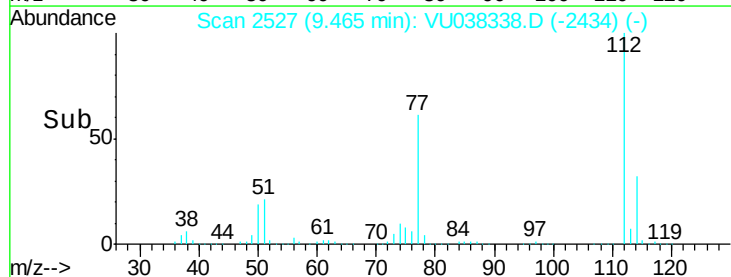
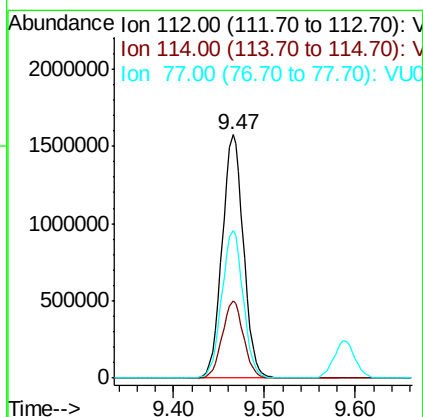
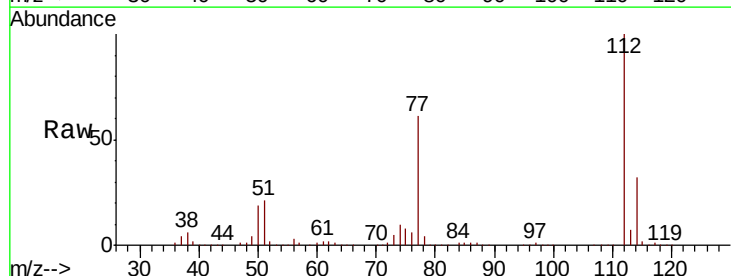
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20033

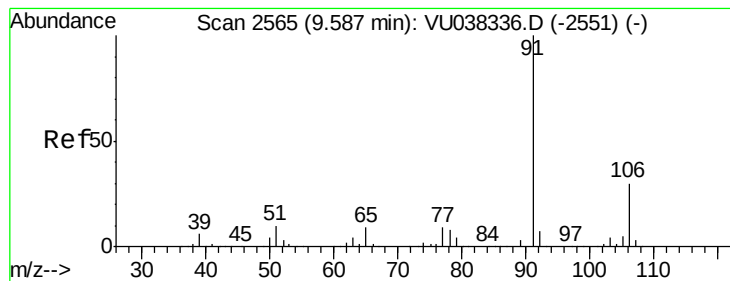
Tot Ion:107 Resp: 1035509
 Ion Ratio Lower Upper
 107 100
 109 93.1 64.3 119.5
 188 3.5 2.8 4.2



#51
 Chlorobenzene
 Concen: 208.708 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038338.D
 Acq: 28 May 2020 10:52

Tgt Ion:112 Resp: 2559446
 Ion Ratio Lower Upper
 112 100
 114 31.5 22.6 42.0
 77 60.9 48.8 73.2





#52

Ethylbenzene

Concen: 216.401 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

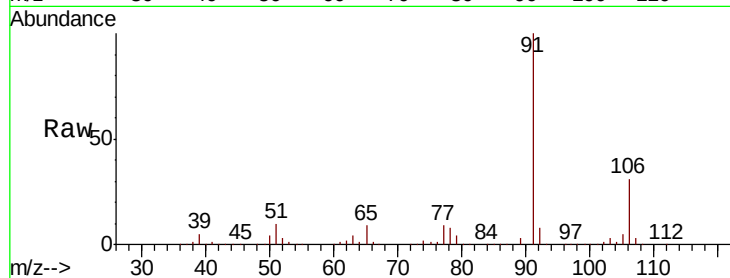
VSTD20033

Tot Ion: 91 Resp: 4626634

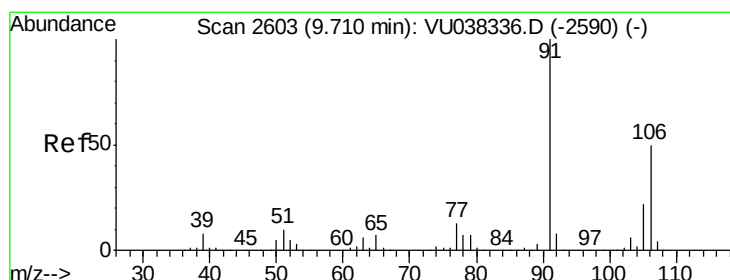
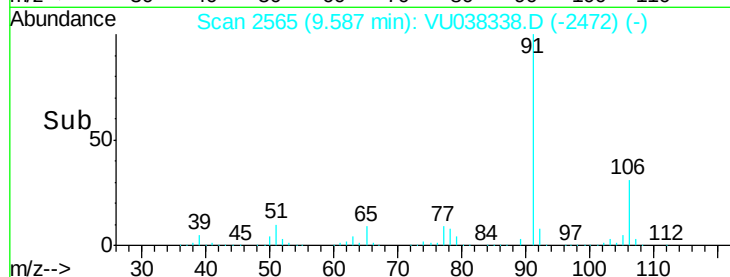
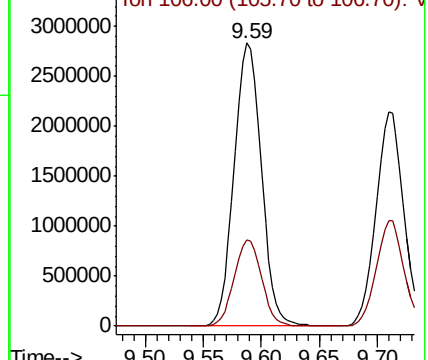
Ion Ratio Lower Upper

91 100

106 30.6 21.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VU038338.D (-2551) (-)



#53

m,p-Xylene

Concen: 216.724 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038338.D

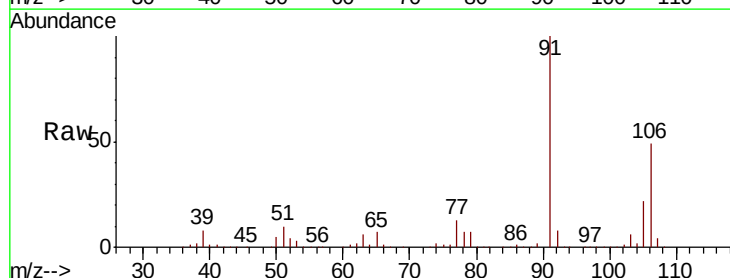
Acq: 28 May 2020 10:52

Tgt Ion: 106 Resp: 1771967

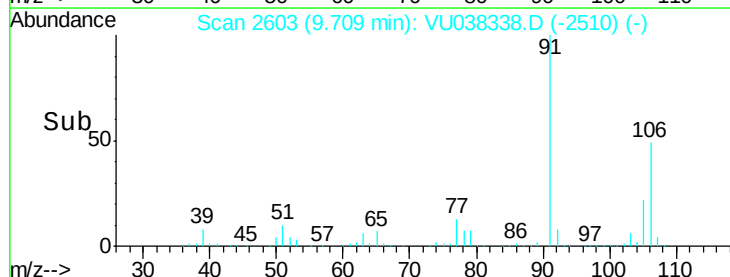
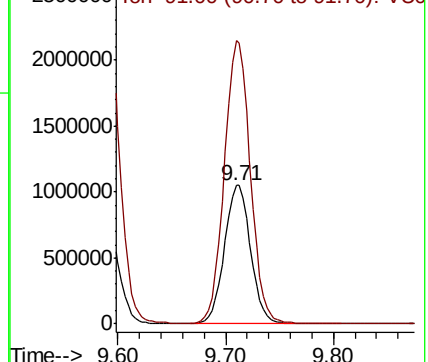
Ion Ratio Lower Upper

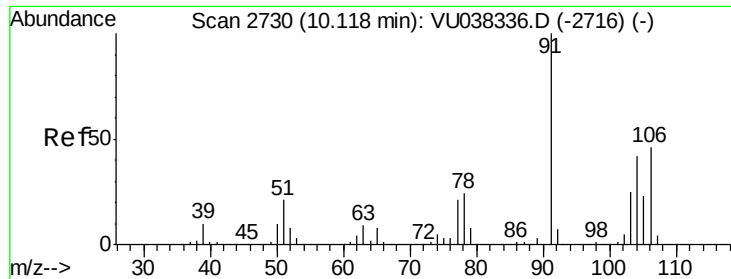
106 100

91 204.2 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): VU038338.D (-2590) (-)

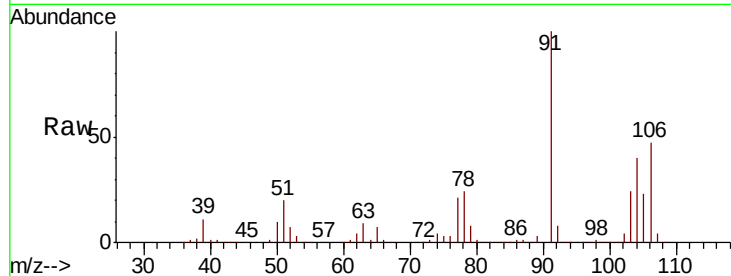




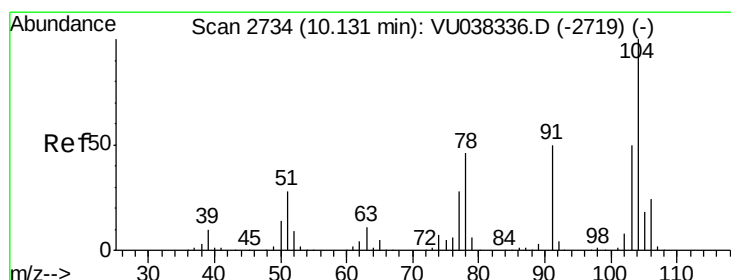
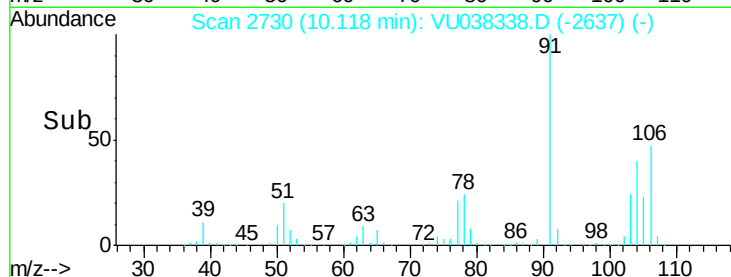
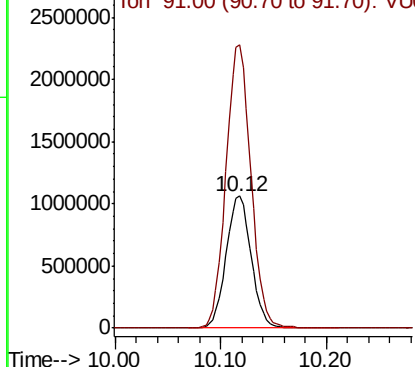
#54
o-xylene
Concen: 218.766 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038338.D
Acq: 28 May 2020 10:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD20033

Tot Ion:106 Resp: 1739014
Ion Ratio Lower Upper
106 100
91 214.1 151.3 280.9

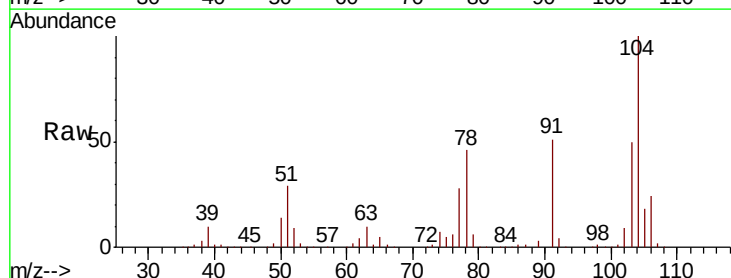


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

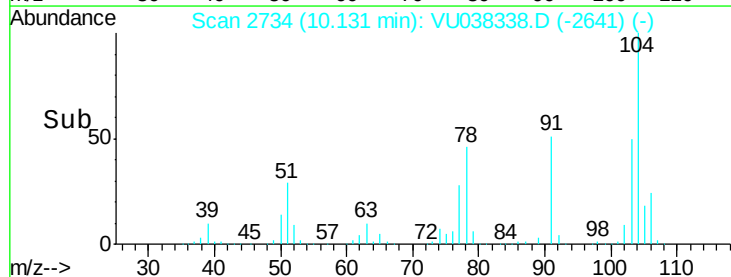
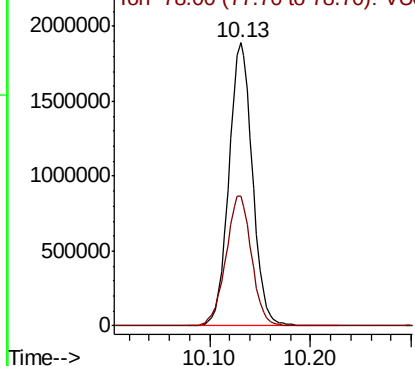


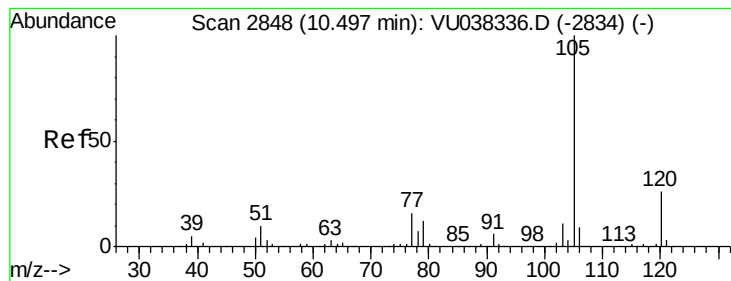
#55
Styrene
Concen: 225.061 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038338.D
Acq: 28 May 2020 10:52

Tgt Ion:104 Resp: 3074855
Ion Ratio Lower Upper
104 100
78 46.0 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 220.777 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

Instrument :

MSVOA_U

ClientSampled :

VSTD20033

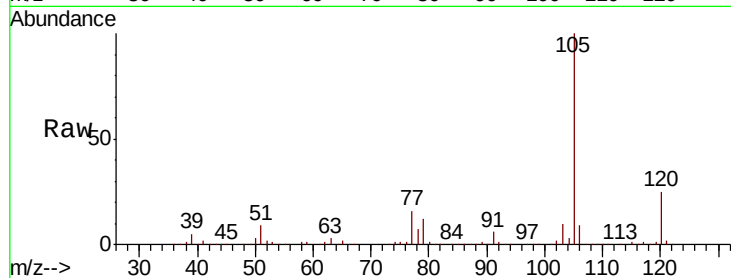
Tot Ion:105 Resp: 4586259

Ion Ratio Lower Upper

105 100

120 25.5 20.6 31.0

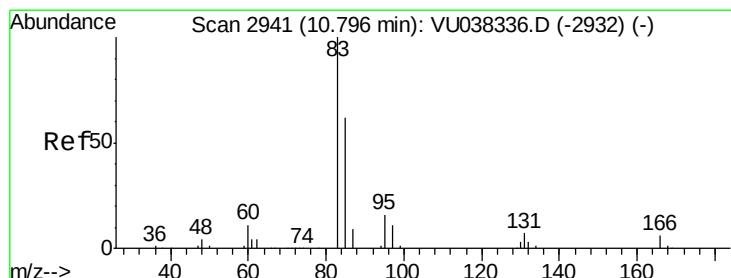
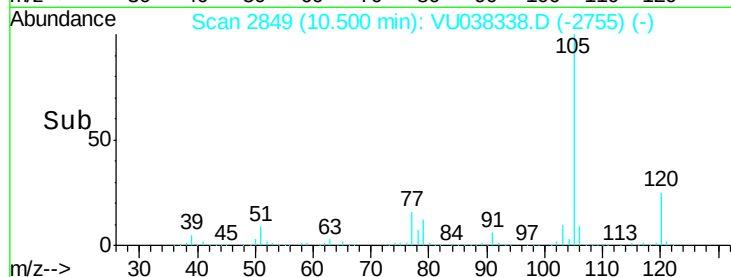
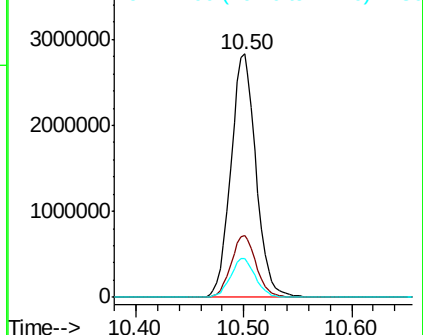
77 15.8 12.8 19.2



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: 225.569 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

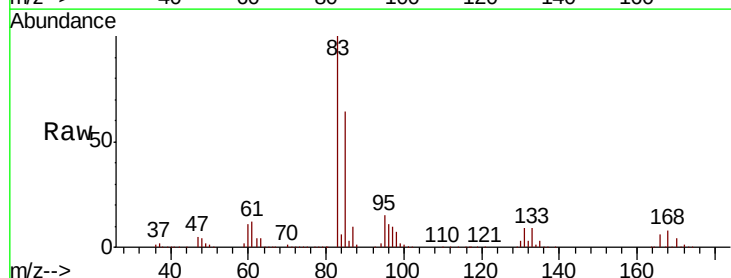
Tgt Ion: 83 Resp: 1726681

Ion Ratio Lower Upper

83 100

85 64.1 45.5 84.5

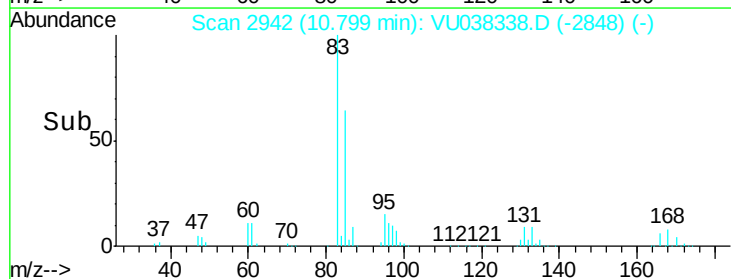
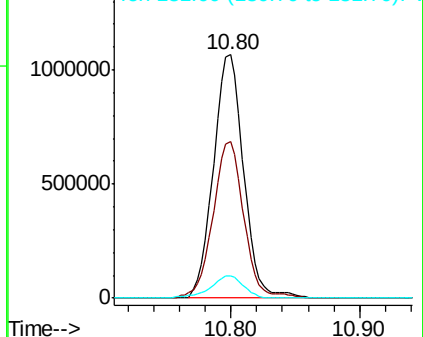
131 9.1 7.3 10.9

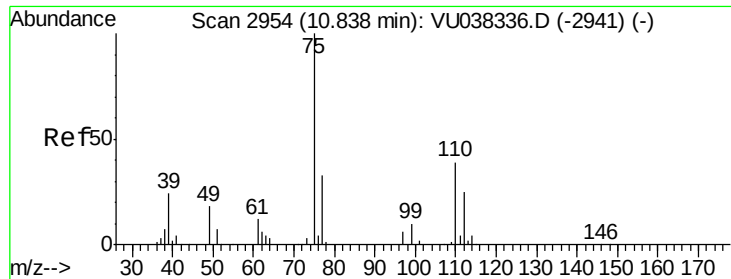


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 216.007 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

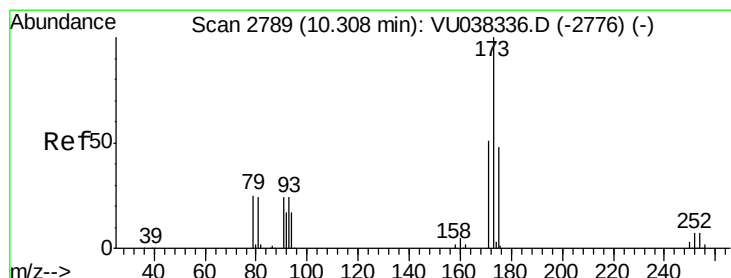
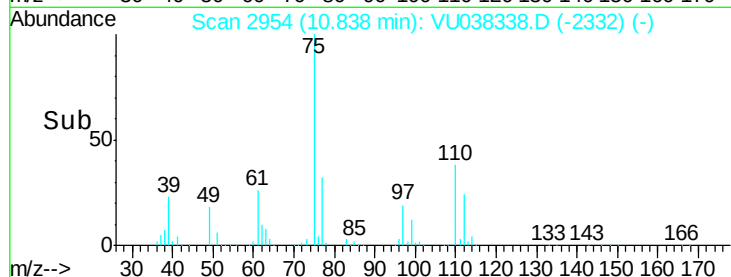
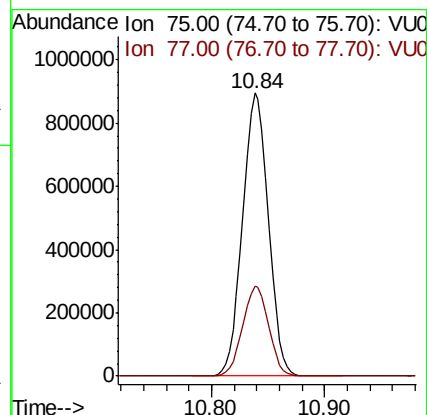
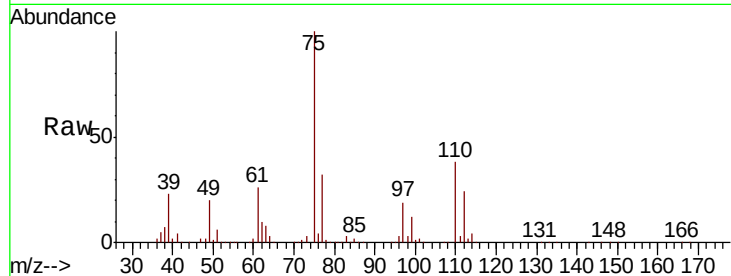
VSTD20033

Tot Ion: 75 Resp: 1423809

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8



#61

Bromoform

Concen: 231.211 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

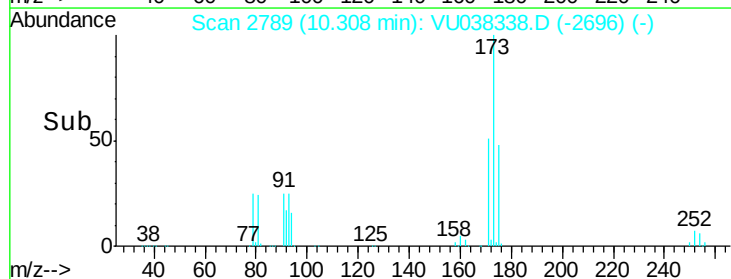
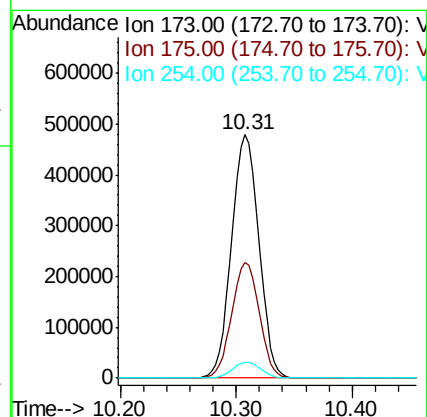
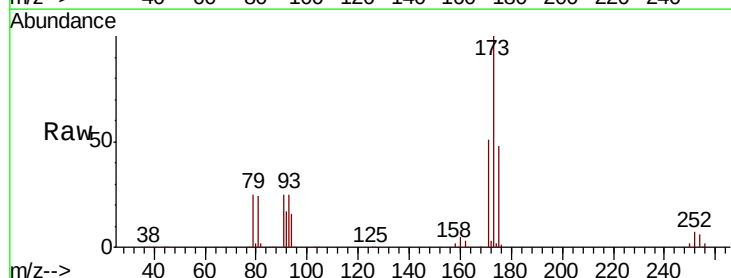
Tgt Ion:173 Resp: 779988

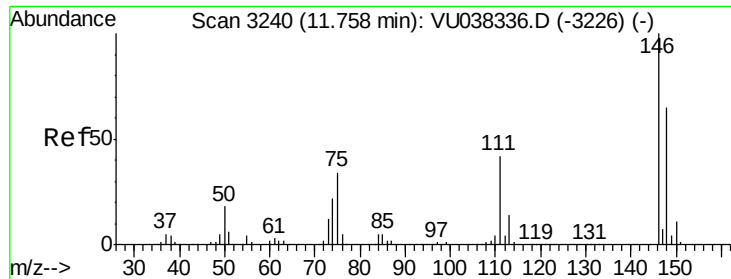
Ion Ratio Lower Upper

173 100

175 47.8 39.0 58.4

254 6.7 5.3 7.9





#62

1,3-Dichlorobenzene

Concen: 208.994 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD20033

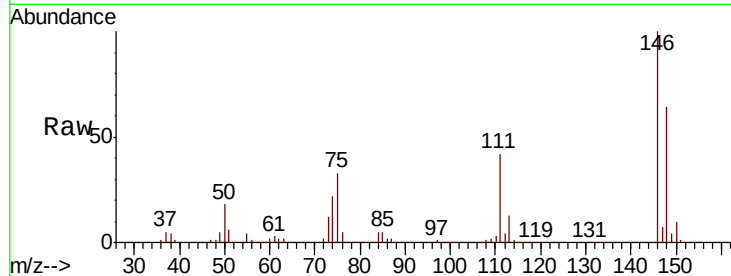
Tot Ion:146 Resp: 2051591

Ion Ratio Lower Upper

146 100

111 41.8 29.4 54.6

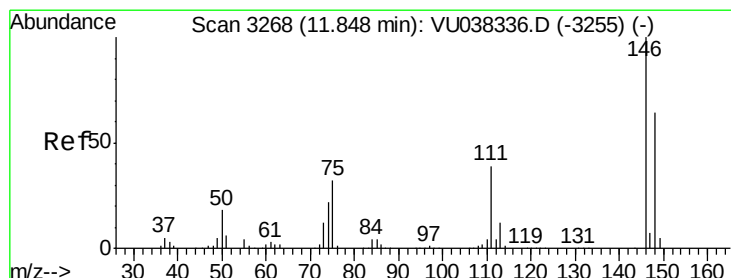
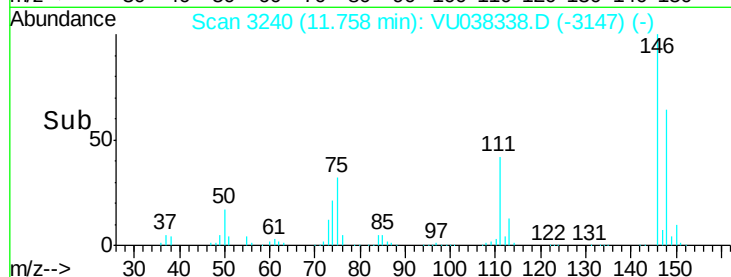
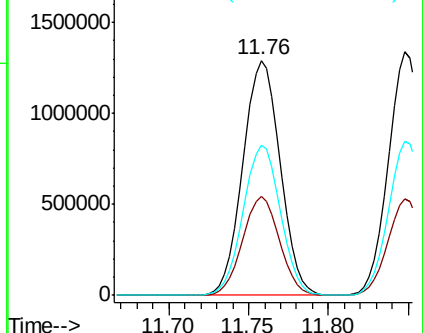
148 64.0 45.8 85.0



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: 207.989 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

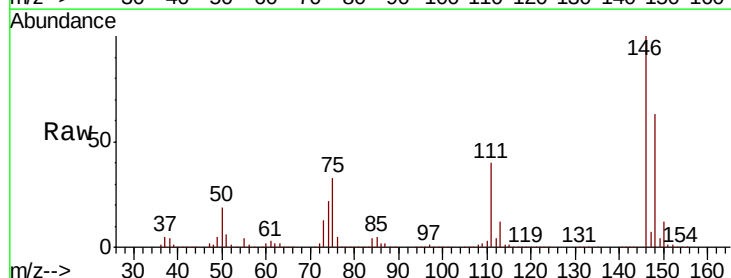
Tgt Ion:146 Resp: 2075316

Ion Ratio Lower Upper

146 100

111 39.5 27.7 51.5

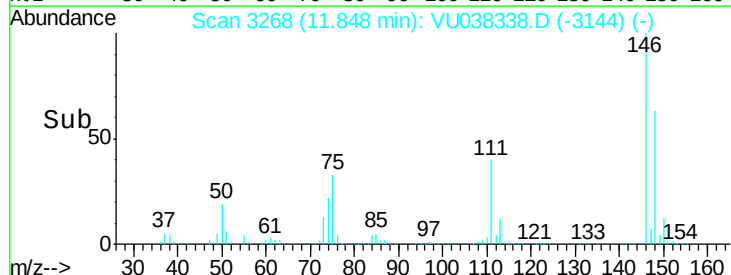
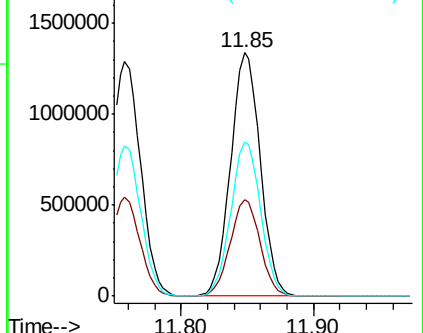
148 63.3 44.7 83.1

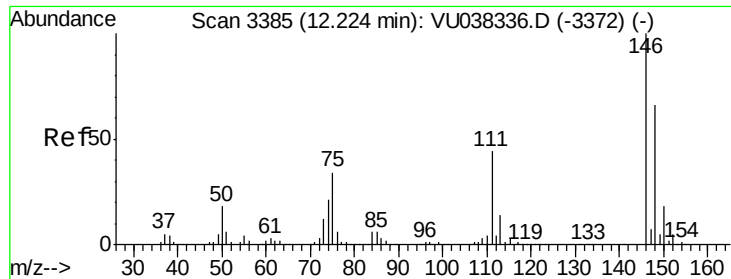


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

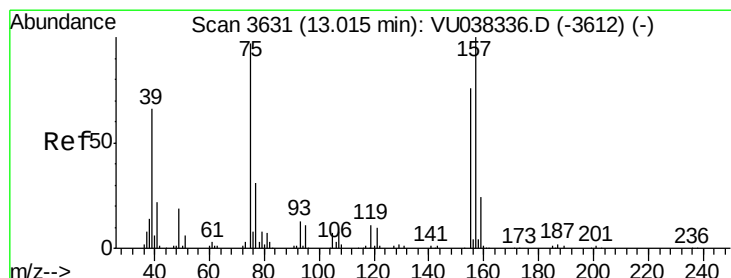
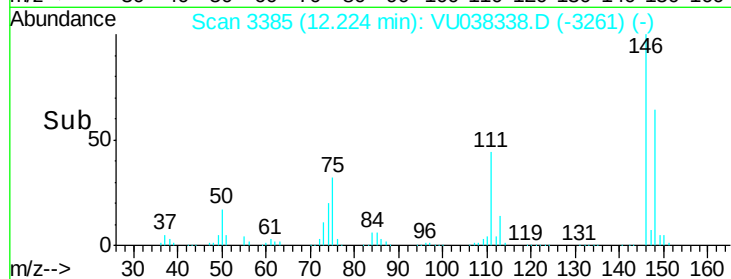
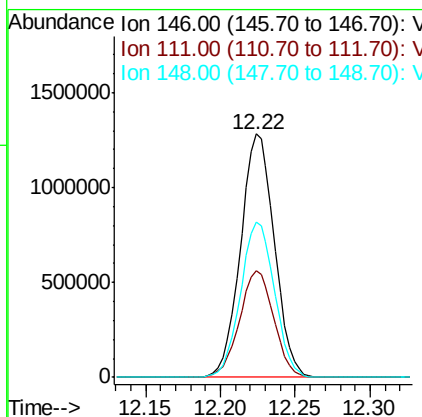
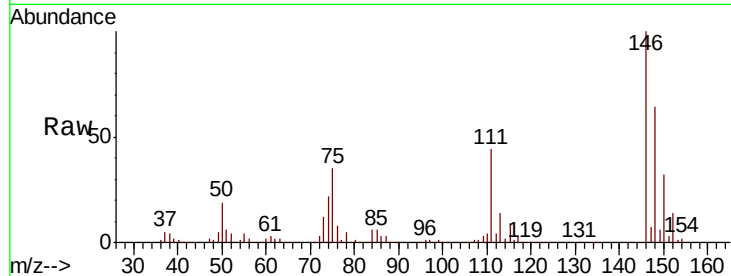




#65
 1,2-Dichlorobenzene
 Concen: 206.791 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038338.D
 Acq: 28 May 2020 10:52

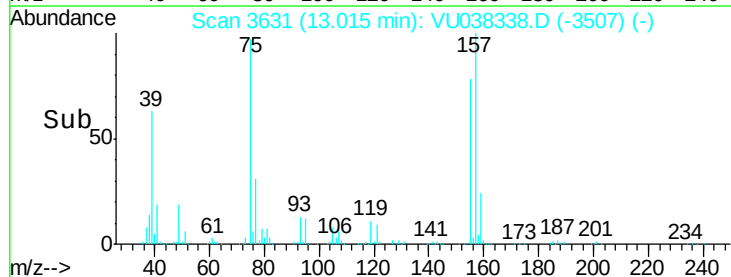
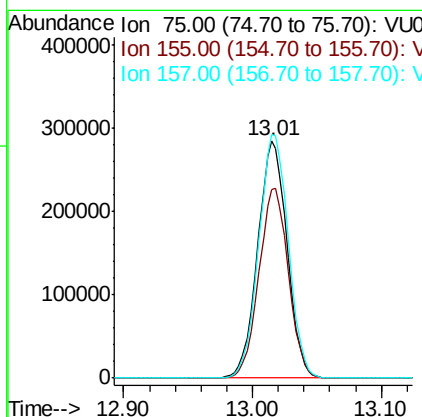
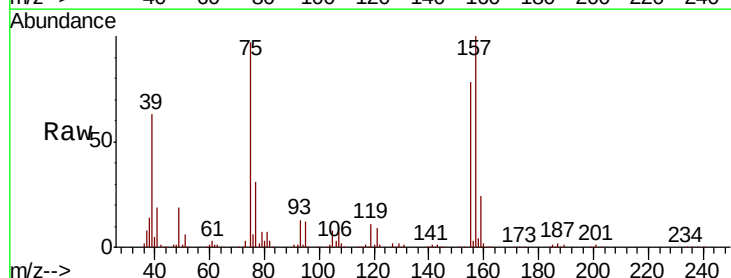
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20033

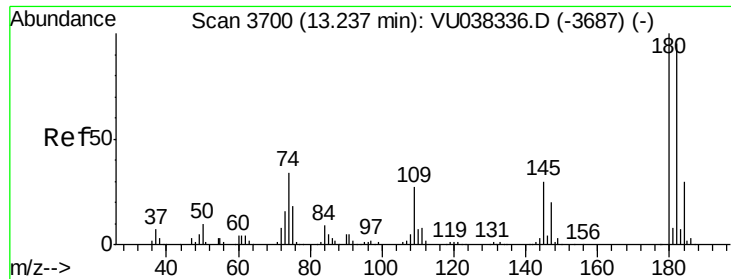
Tot Ion:146 Resp: 2013033
 Ion Ratio Lower Upper
 146 100
 111 44.0 35.3 52.9
 148 63.6 52.5 78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 227.244 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU038338.D
 Acq: 28 May 2020 10:52

Tgt Ion: 75 Resp: 452872
 Ion Ratio Lower Upper
 75 100
 155 79.6 63.1 94.7
 157 102.6 82.7 124.1

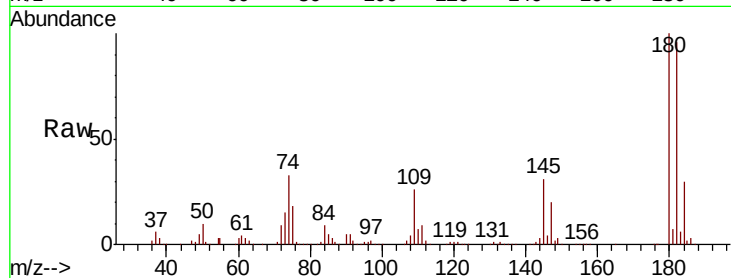




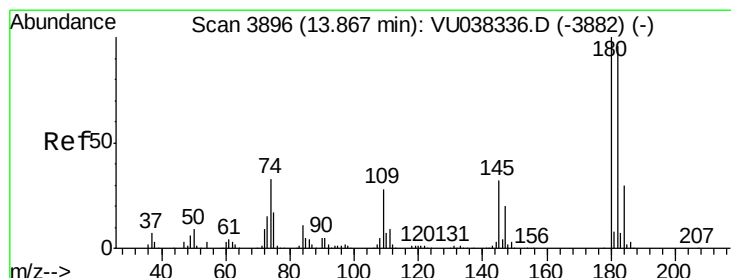
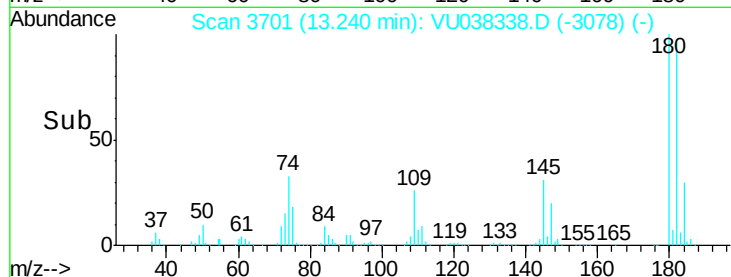
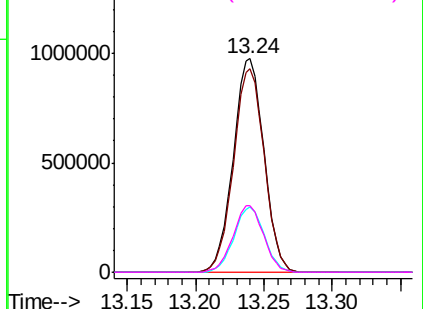
#67
 1,3,5-Trichlorobenzene
 Concen: 217.325 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU038338.D
 Acq: 28 May 2020 10:52

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD20033

Tot Ion:180 Resp: 1518280
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.4 116.2
 184 30.3 24.3 36.5
 145 31.0 24.5 36.7

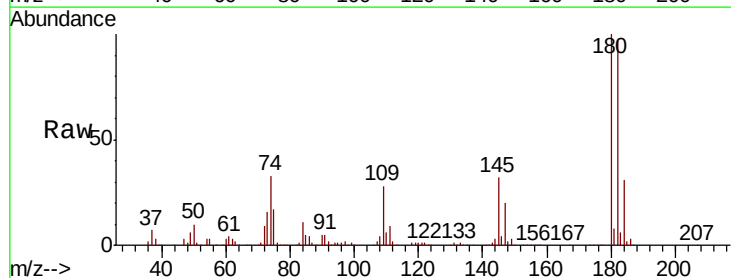


Abundance Ion 180.00 (179.70 to 180.70): V
 1500000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

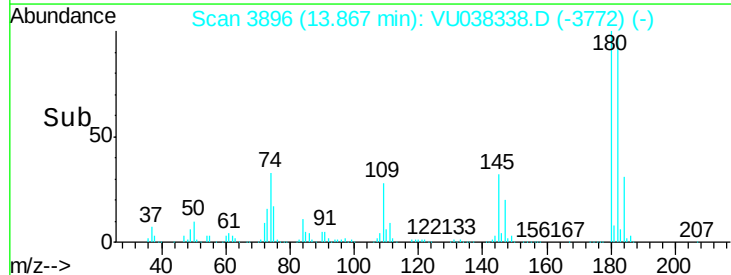
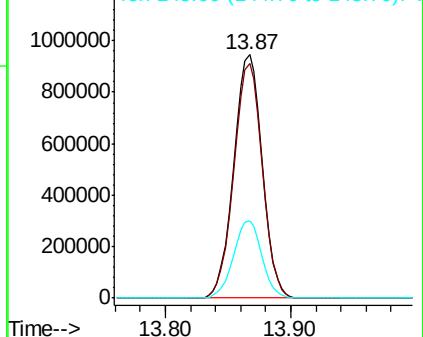


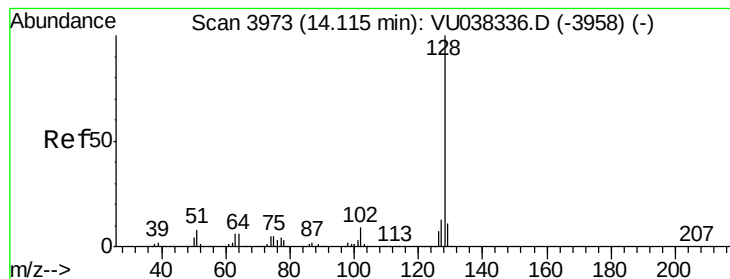
#68
 1,2,4-trichlorobenzene
 Concen: 222.044 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038338.D
 Acq: 28 May 2020 10:52

Tgt Ion:180 Resp: 1487816
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.1 115.7
 145 31.7 25.8 38.8



Abundance Ion 180.00 (179.70 to 180.70): V
 1200000 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 230.549 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD20033

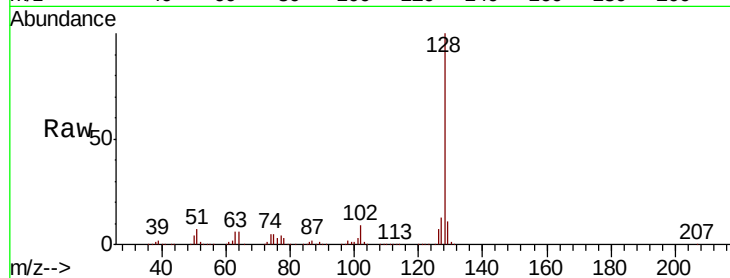
Tot Ion:128 Resp: 5531134

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

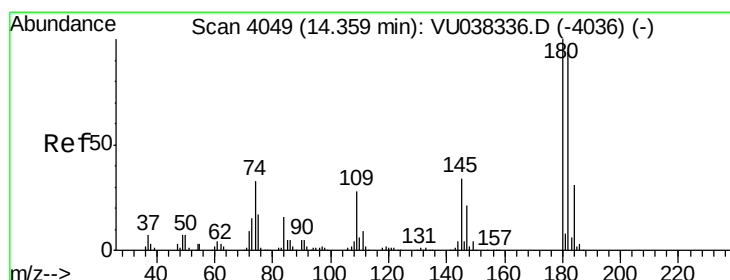
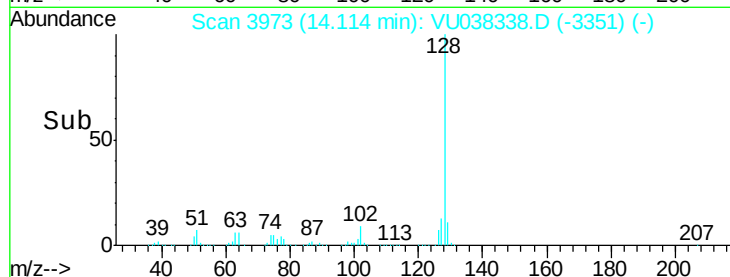
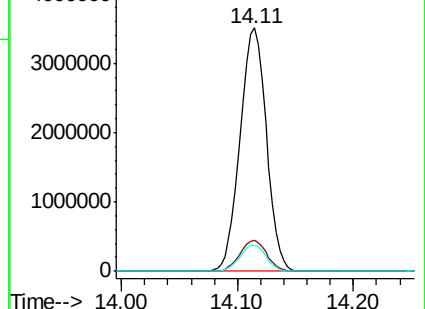
129 10.8 8.6 12.8



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: 218.466 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU038338.D

Acq: 28 May 2020 10:52

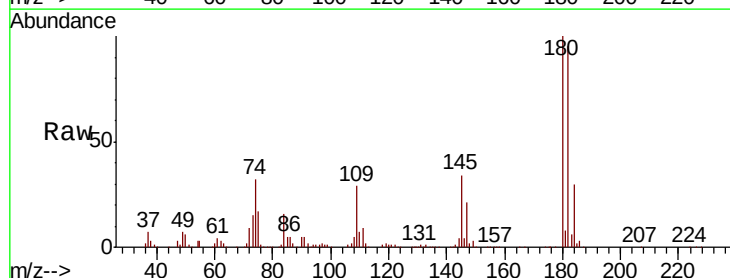
Tgt Ion:180 Resp: 1462340

Ion Ratio Lower Upper

180 100

182 95.7 75.5 113.3

145 34.0 26.6 40.0



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

