

Data File : VU038672.D
Acq On : 08 Jun 2020 16:16
Operator : SY/MD
Sample : VSTD010
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01031

Quant Time: Jun 08 16:59:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 08 16:57:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	561139	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	549067	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	273658	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32048	9.10	ug/L	0.00
7) Chloroethane-d5	1.93	69	26180	9.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	70816	9.84	ug/L	0.00
21) 2-Butanone-d5	4.67	46	62043	18.54	ug/L	0.00
24) Chloroform-d	5.10	84	70075	10.13	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	46565	9.82	ug/L	0.00
32) Benzene-d6	5.76	84	137025	9.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	42529	9.62	ug/L	0.00
41) Toluene-d8	7.92	98	122343	9.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	19761	8.98	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	41536	17.84	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	61222	9.35	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	48262	9.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	47243	11.185 ug/L	100
3) Chloromethane	1.53	50	45010	11.562 ug/L	100
5) Vinyl chloride	1.62	62	47482	11.041 ug/L	95
6) Bromomethane	1.87	94	25345	14.406 ug/L	99
8) Chloroethane	1.95	64	29238	11.127 ug/L	99
9) Trichlorofluoromethane	2.16	101	67311	11.679 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	39005	11.319 ug/L	97
12) 1,1-Dichloroethene	2.61	96	37157	10.922 ug/L	97
13) Acetone	2.66	43	52960	19.044 ug/L	100
14) Carbon disulfide	2.82	76	120697	10.878 ug/L	98
15) Methyl Acetate	2.98	43	54494	10.932 ug/L	99
16) Methylene chloride	3.08	84	46279	11.838 ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	41566	11.374 ug/L	97
18) Methyl tert-butyl Ether	3.40	73	129252	11.030 ug/L	100
19) 1,1-Dichloroethane	3.91	63	79486	11.485 ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	44975	11.234 ug/L	99
22) 2-Butanone	4.75	43	77816	19.958 ug/L	99
23) Bromochloromethane	5.01	128	22550	11.378 ug/L	95
25) Chloroform	5.12	83	78053	10.967 ug/L	95
27) 1,2-Dichloroethane	5.83	62	65006	11.281 ug/L	99
29) Cyclohexane	5.42	56	64332	10.219 ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	66304	11.105 ug/L	98
31) Carbon tetrachloride	5.56	117	55514	11.156 ug/L	99
33) Benzene	5.81	78	172637	11.195 ug/L	100
34) Trichloroethene	6.57	95	43438	11.009 ug/L	97
35) Methylcyclohexane	6.79	83	62355	10.066 ug/L	98
37) 1,2-Dichloropropane	6.82	63	45837	11.461 ug/L	100
38) Bromodichloromethane	7.13	83	54869	10.706 ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	65107	10.230 ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	135047	21.232 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	176514	10.903	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	60896	10.222	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	43397	11.434	ug/L	99
46) Tetrachloroethene	8.57	164	31184	10.811	ug/L	97
48) 2-Hexanone	8.71	43	113616	21.157	ug/L	98
49) Dibromochloromethane	8.83	129	43403	11.295	ug/L	97
50) 1,2-Dibromoethane	8.94	107	45281	11.100	ug/L	99
51) Chlorobenzene	9.47	112	114659	11.020	ug/L	100
52) Ethylbenzene	9.59	91	190136	10.481	ug/L	99
53) m,p-Xylene	9.71	106	72371	10.432	ug/L	98
54) o-xylene	10.11	106	70987	10.525	ug/L	99
55) Styrene	10.13	104	119162	10.280	ug/L	100
56) Isopropylbenzene	10.50	105	184955	10.494	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	71536	11.014	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	61523	11.001	ug/L	99
61) Bromoform	10.31	173	30780	11.196	ug/L	95
62) 1,3-Dichlorobenzene	11.76	146	89696	11.212	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	90875	11.175	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	88041	11.098	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	17397	10.712	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	61948	10.880	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	56690	10.381	ug/L	99
69) Naphthalene	14.11	128	188976	9.665	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	56805	10.413	ug/L	98

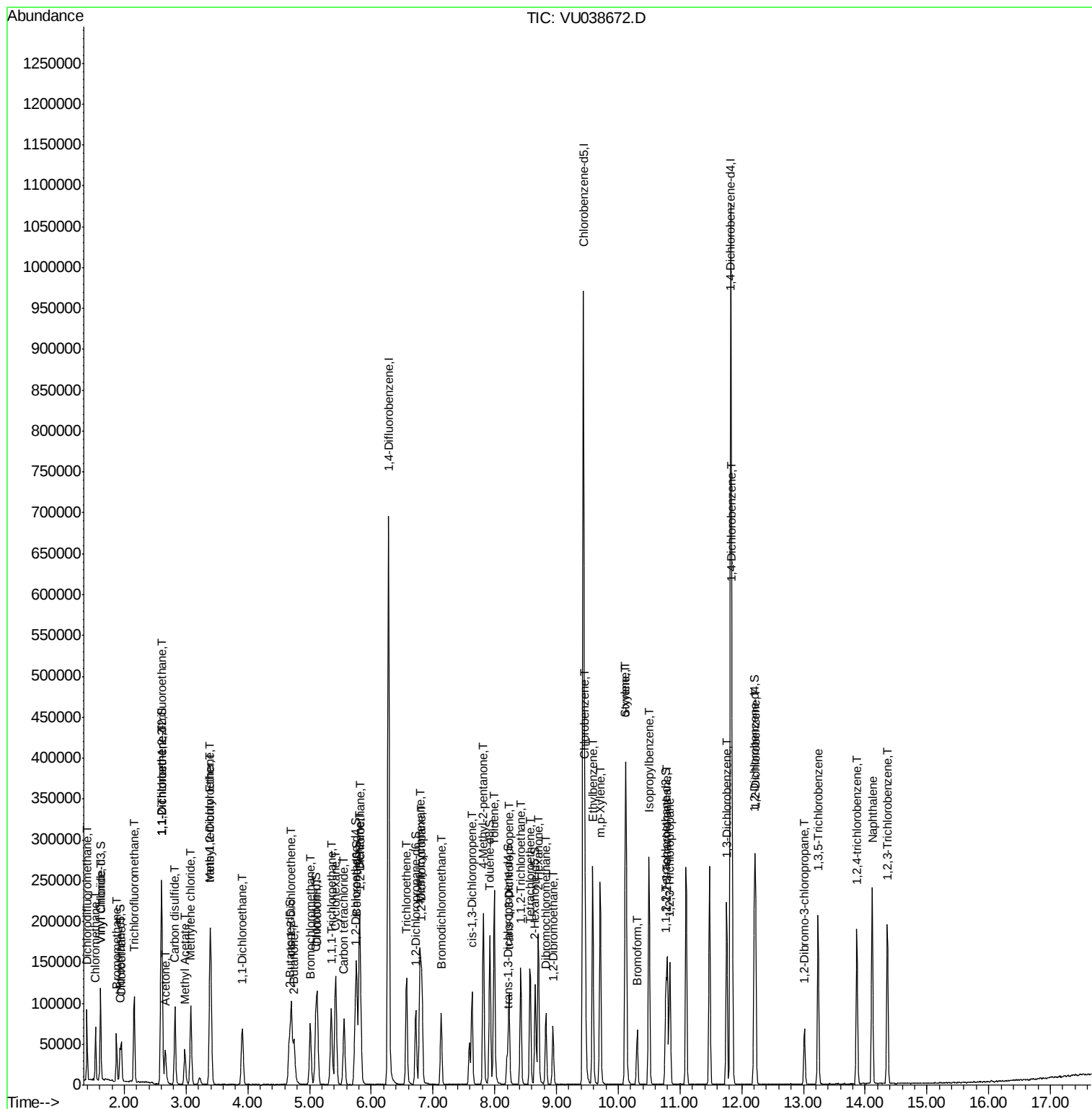
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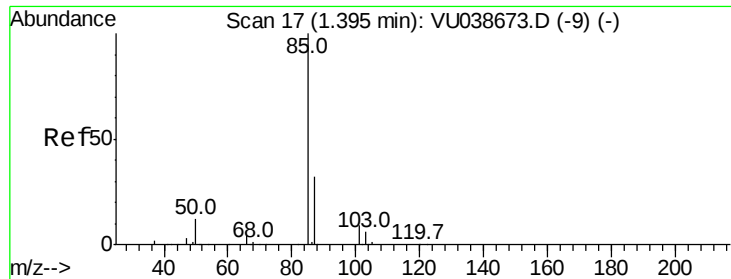
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#2

Dichlorodifluoromethane

Concen: 11.185 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

Instrument :

MSVOA_U

ClientSampleId :

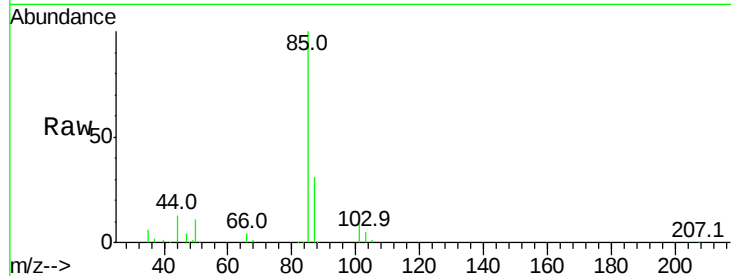
VSTD01031

Tgt Ion: 85 Resp: 47243

Ion Ratio Lower Upper

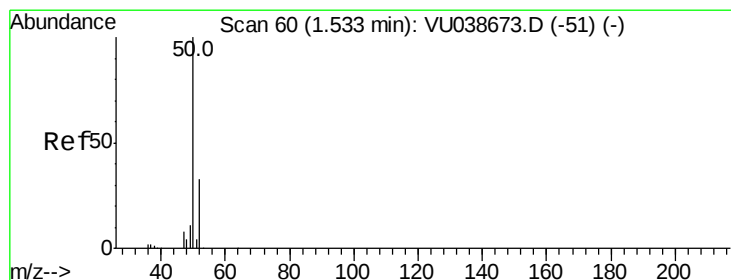
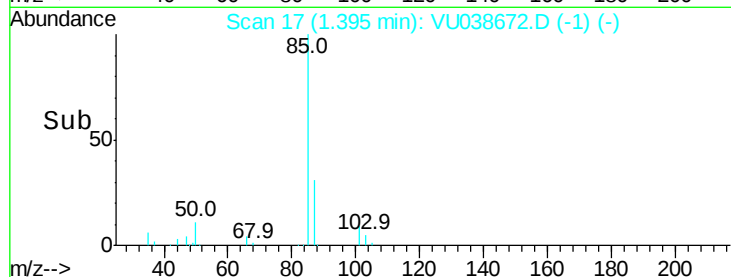
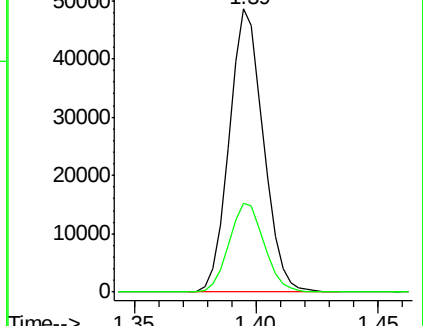
85 100

87 32.3 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 11.562 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038672.D

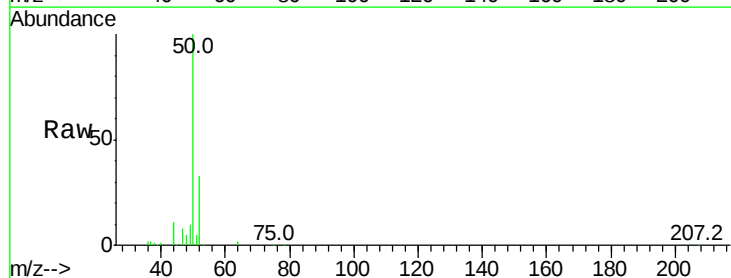
Acq: 08 Jun 2020 16:16

Tgt Ion: 50 Resp: 45010

Ion Ratio Lower Upper

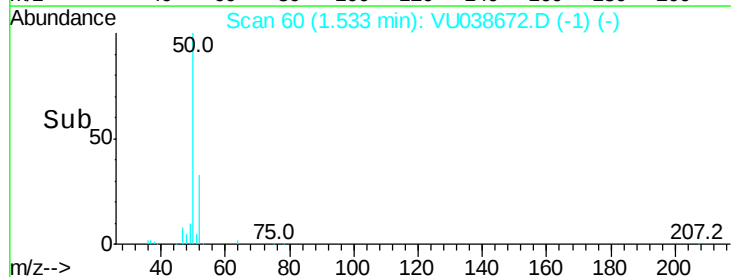
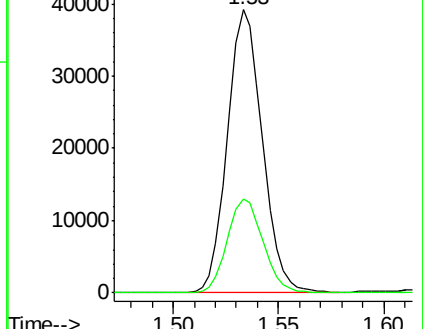
50 100

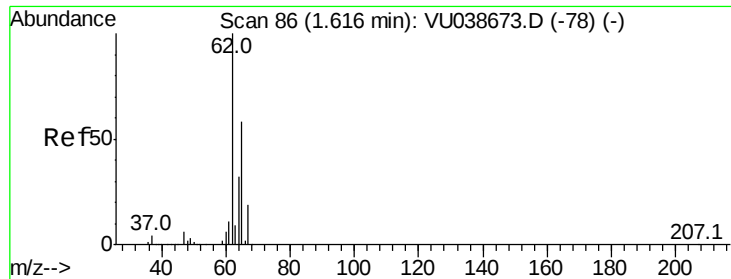
52 33.3 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 11.041 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038672.D

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Instrument :

MSVOA_U

ClientSampleId :

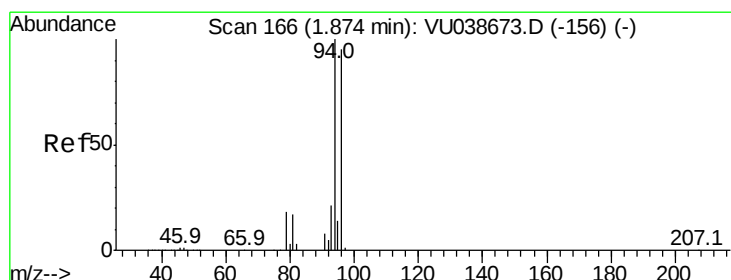
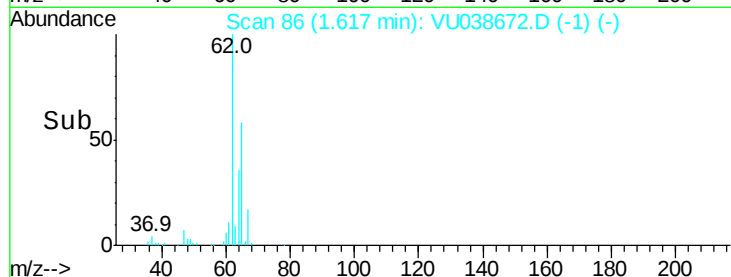
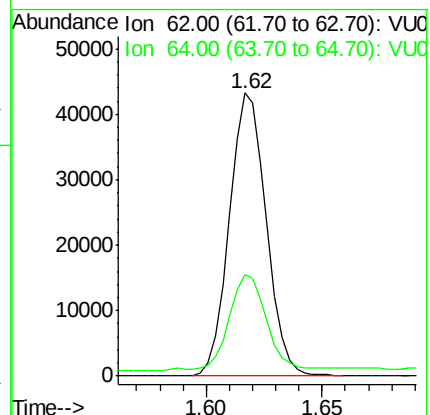
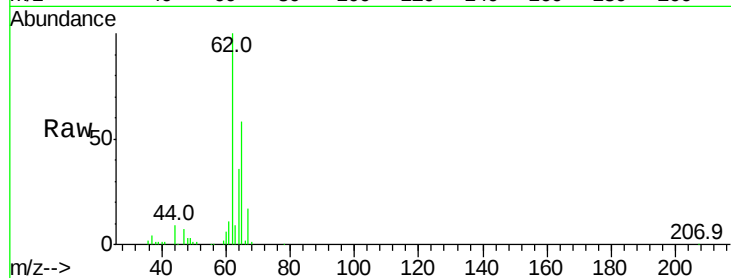
VSTD01031

Tgt Ion: 62 Resp: 47482

Ion Ratio Lower Upper

62 100

64 35.9 23.0 42.8



#6

Bromomethane

Concen: 14.406 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038672.D

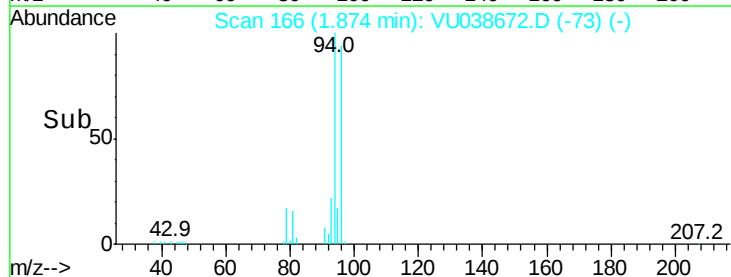
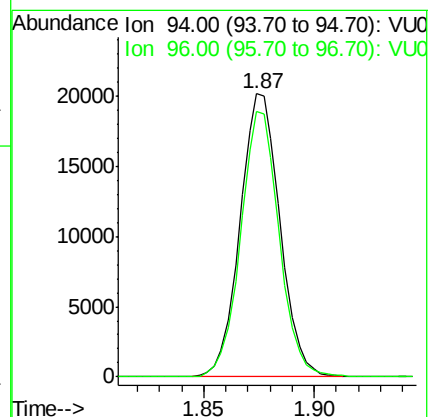
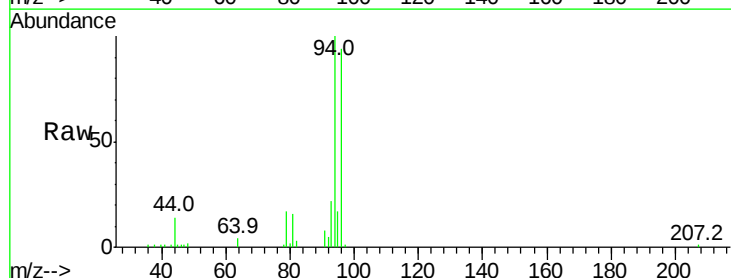
Acq: 08 Jun 2020 16:16

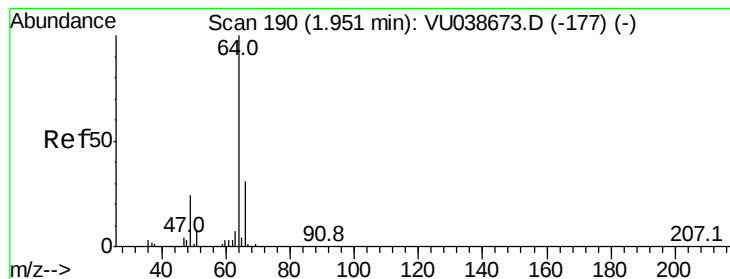
Tgt Ion: 94 Resp: 25345

Ion Ratio Lower Upper

94 100

96 94.0 66.2 123.0





#8

Chloroethane

Concen: 11.127 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

Instrument :

MSVOA_U

ClientSampleId :

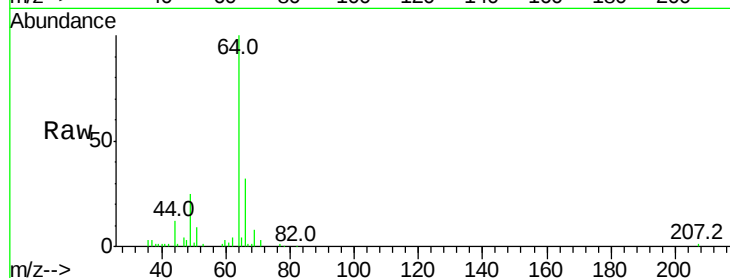
VSTD01031

Tgt Ion: 64 Resp: 29238

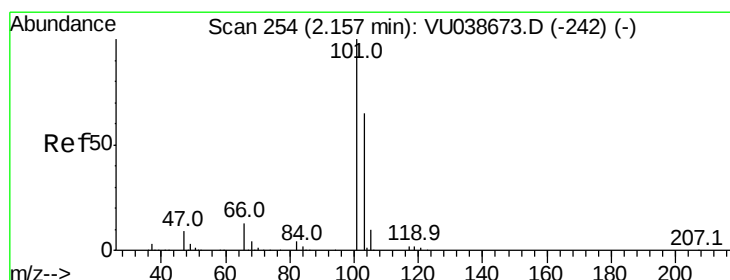
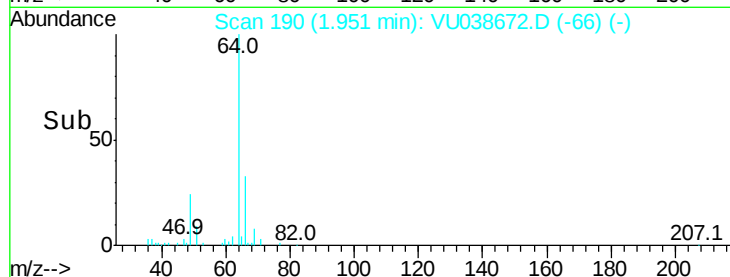
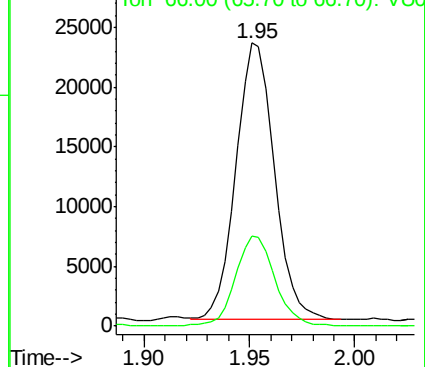
Ion Ratio Lower Upper

64 100

66 31.7 21.6 40.2



Abundance Ion 64.00 (63.70 to 64.70): VU038672.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 11.679 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038672.D

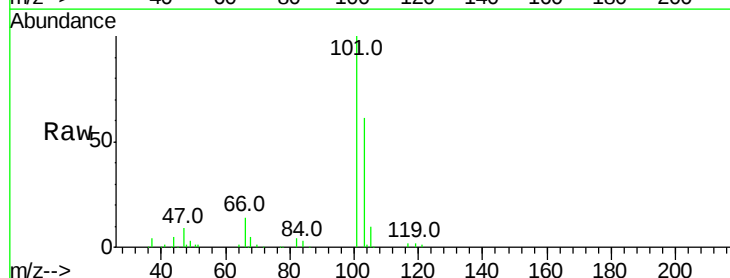
Acq: 08 Jun 2020 16:16

Tgt Ion: 101 Resp: 67311

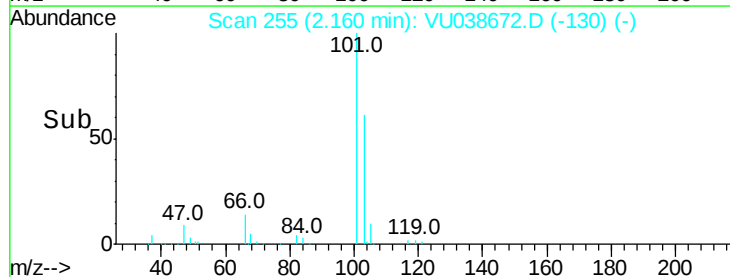
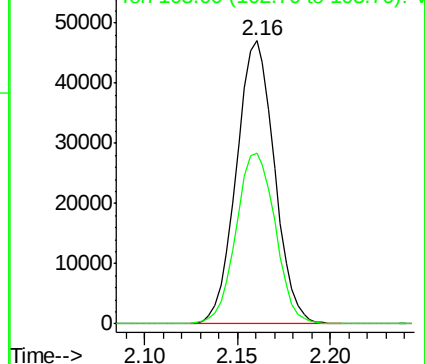
Ion Ratio Lower Upper

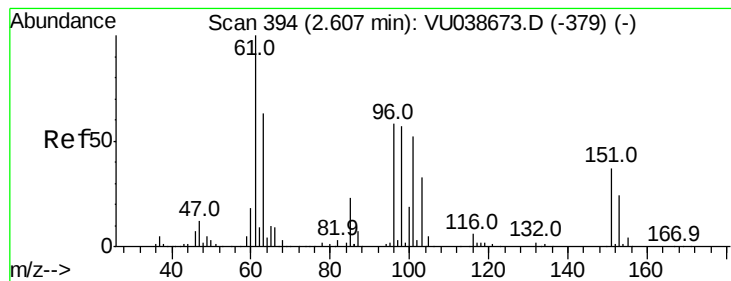
101 100

103 62.1 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU038672.D (-242) (-)





#10

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

Concen: 11.319 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

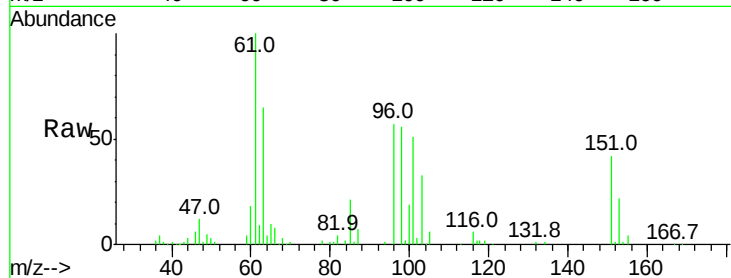
Tgt Ion:101 Resp: 39005

Ion Ratio Lower Upper

101 100

85 42.2 35.1 52.7

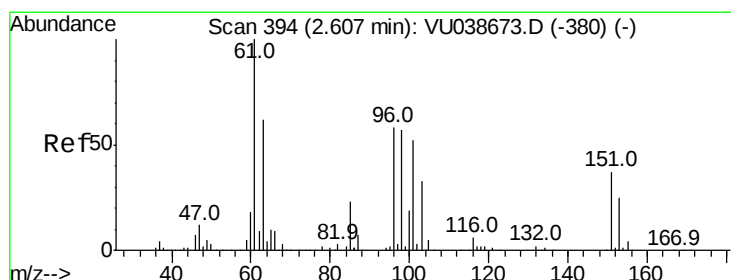
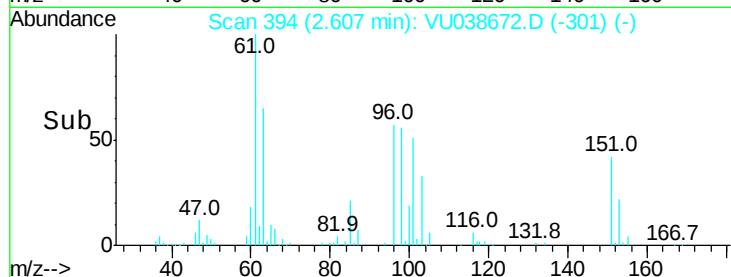
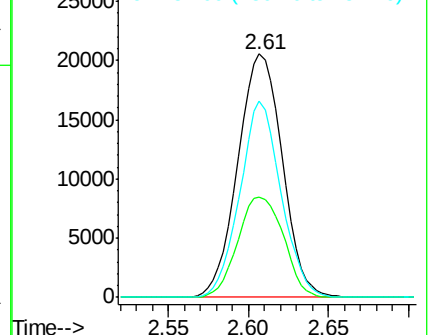
151 74.4 57.4 86.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 10.922 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

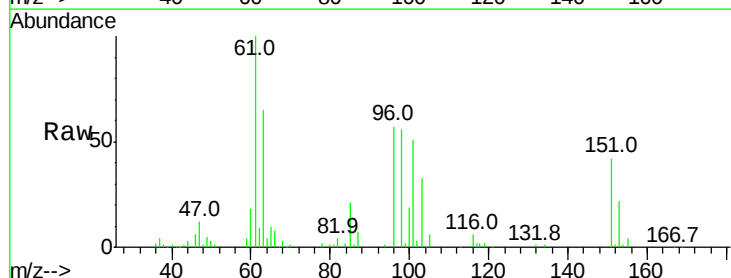
Tgt Ion: 96 Resp: 37157

Ion Ratio Lower Upper

96 100

61 174.5 120.0 223.0

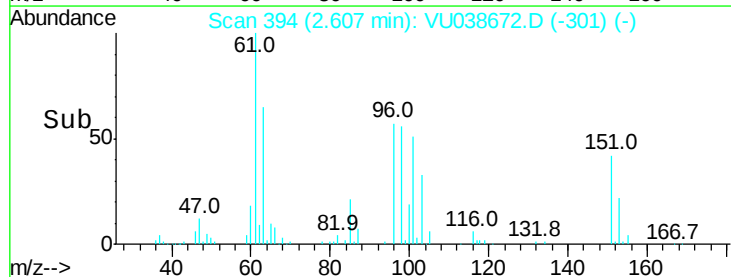
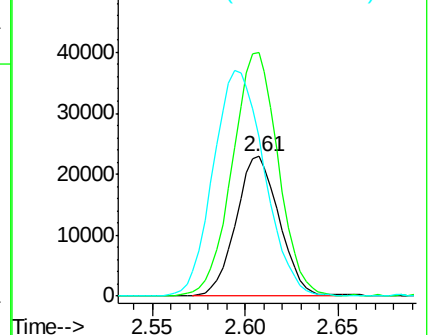
63 113.7 75.8 140.8

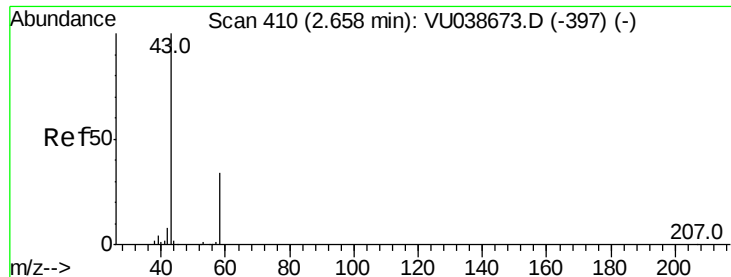


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 19.044 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU038672.D

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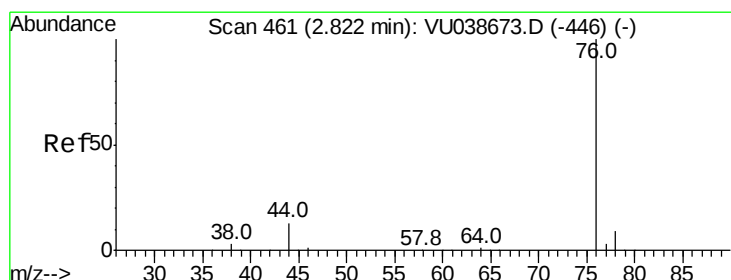
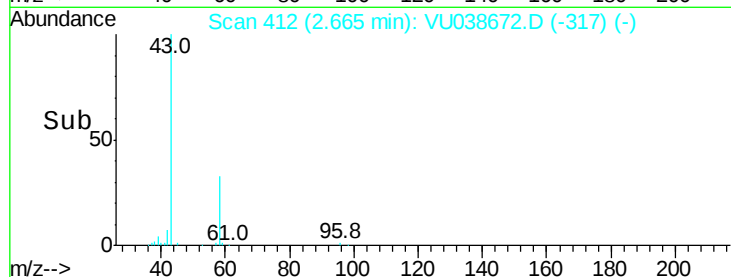
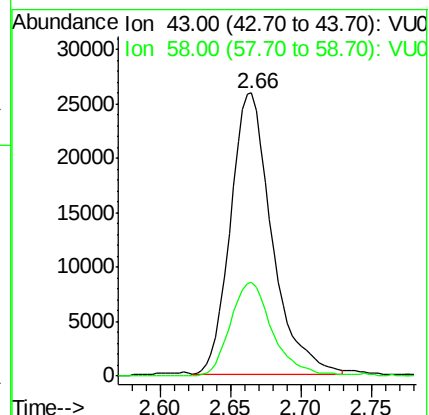
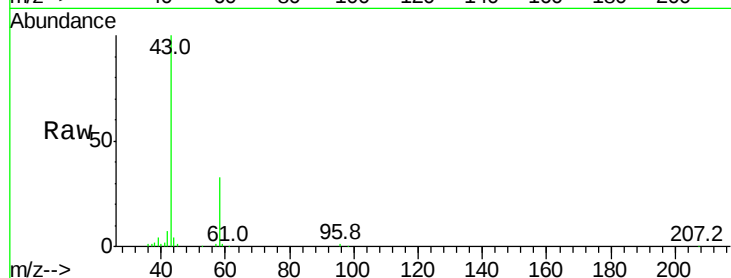
VSTD01031

Tgt Ion: 43 Resp: 52960

Ion Ratio Lower Upper

43 100

58 33.7 0.0 67.6



#14

Carbon disulfide

Concen: 10.878 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038672.D

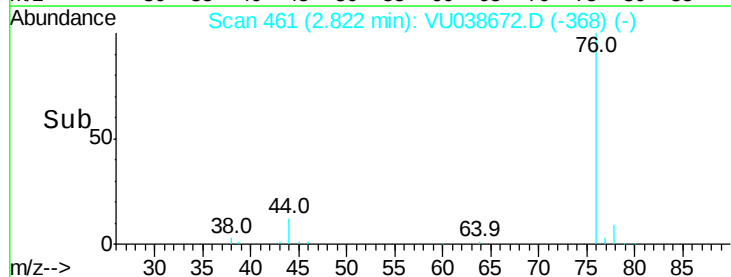
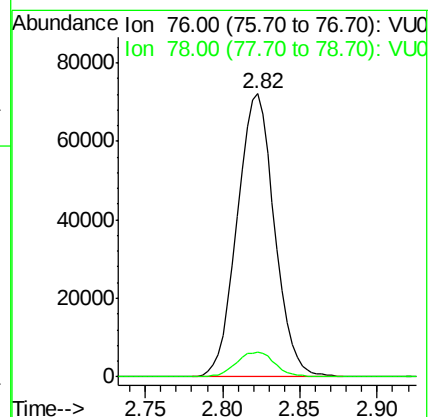
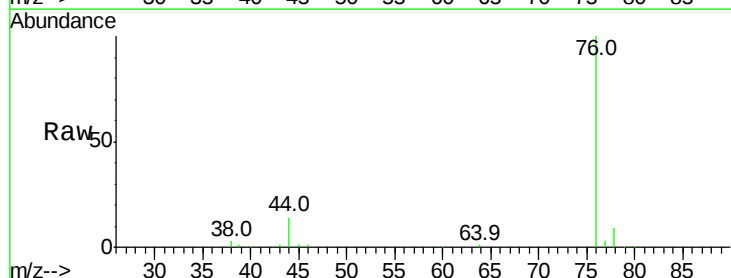
Acq: 08 Jun 2020 16:16

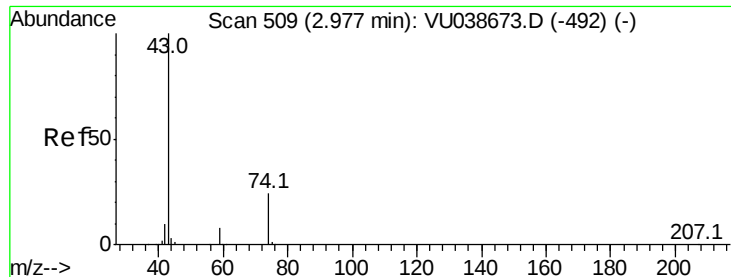
Tgt Ion: 76 Resp: 120697

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.2





#15

Methyl Acetate

Concen: 10.932 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

Instrument :

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ClientSampleId :

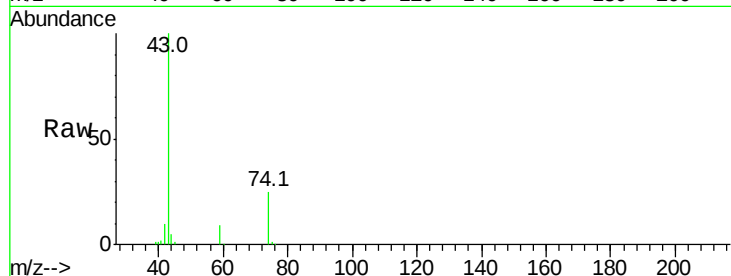
VSTD01031

Tgt Ion: 43 Resp: 54494

Ion Ratio Lower Upper

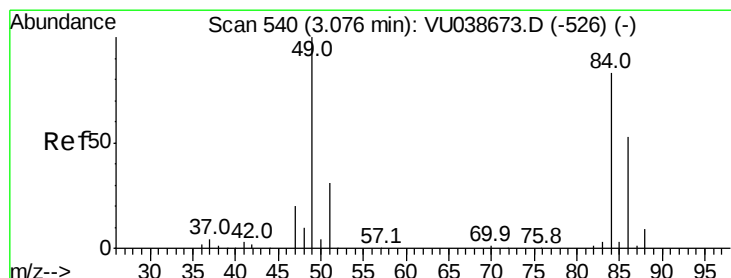
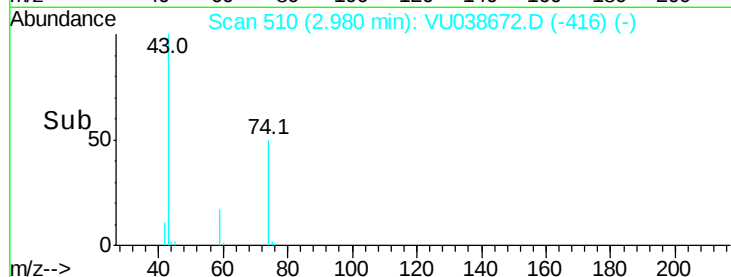
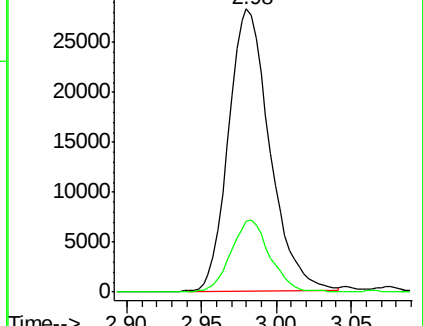
43 100

74 24.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VU038672.D (-492) (-)

Ion 74.00 (73.70 to 74.70): VU038672.D (-492) (-)



#16

Methylene chloride

Concen: 11.838 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

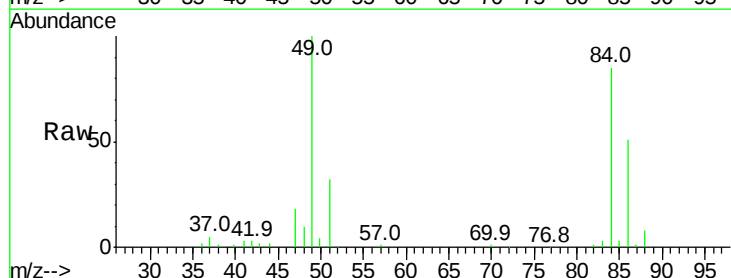
Tgt Ion: 84 Resp: 46279

Ion Ratio Lower Upper

84 100

86 59.6 44.7 83.1

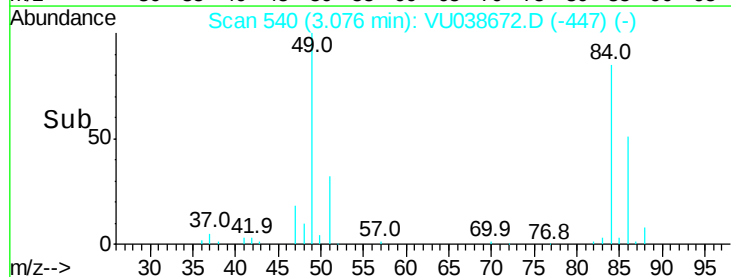
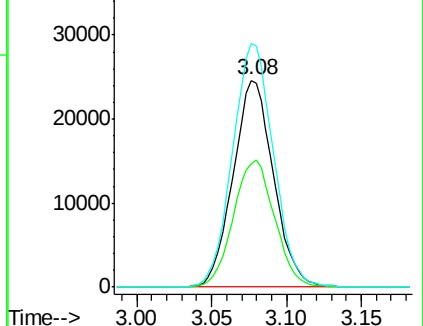
49 117.6 84.5 156.9

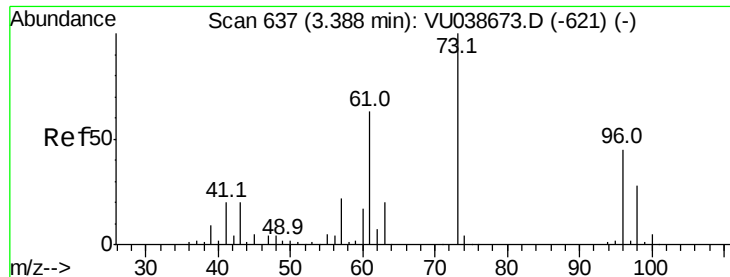


Abundance Ion 84.00 (83.70 to 84.70): VU038672.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU038672.D (-447) (-)

Ion 49.00 (48.70 to 49.70): VU038672.D (-447) (-)





#17

trans-1,2-Dichloroethene

Concen: 11.374 ug/L

RT: 3.39 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

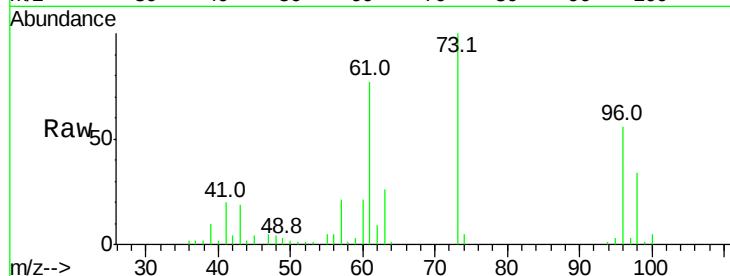
Tgt Ion: 96 Resp: 41566

Ion Ratio Lower Upper

96 100

61 136.7 98.2 182.4

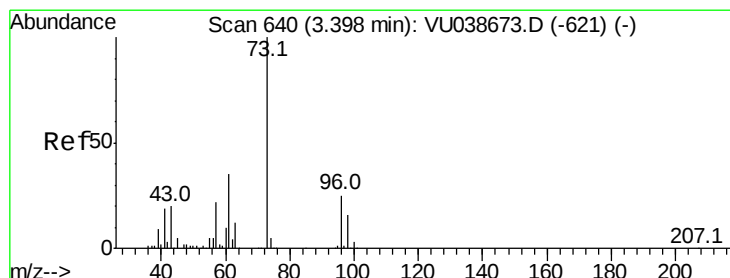
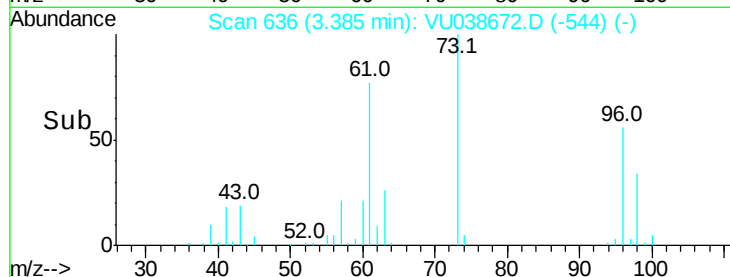
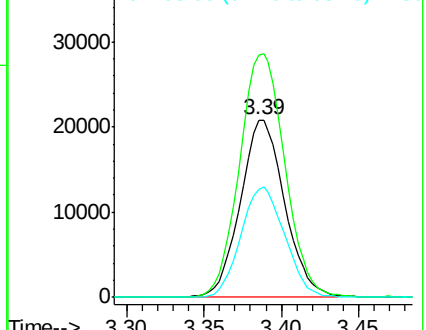
98 60.9 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU038672.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU038672.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU038672.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 11.030 ug/L

RT: 3.40 min Scan# 640

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

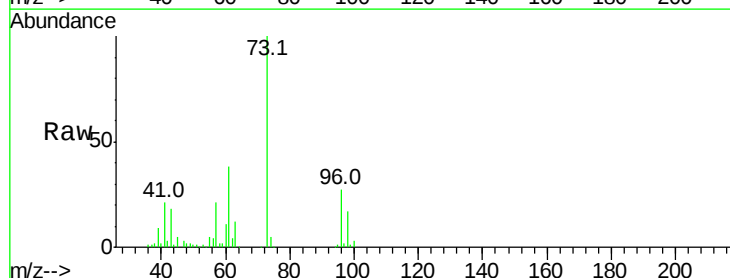
Tgt Ion: 73 Resp: 129252

Ion Ratio Lower Upper

73 100

43 19.5 15.6 23.4

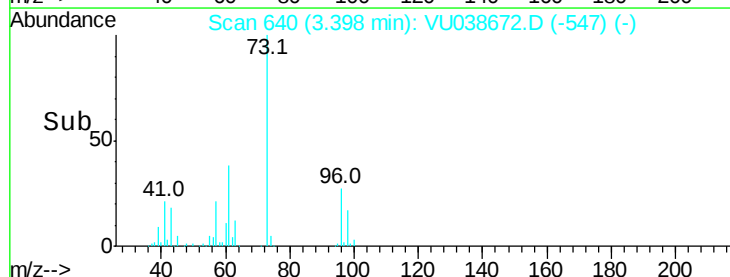
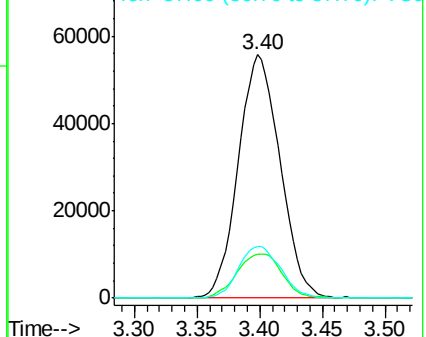
57 21.4 17.2 25.8

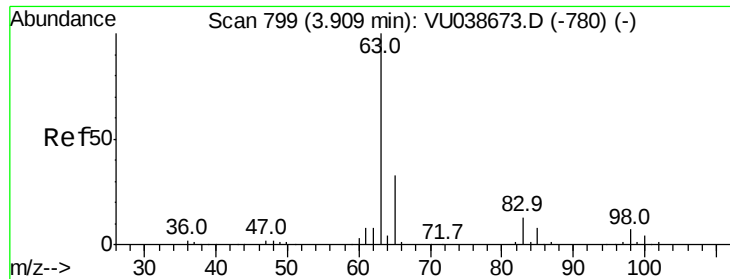


Abundance Ion 73.00 (72.70 to 73.70): VU038672.D (-547) (-)

Ion 43.00 (42.70 to 43.70): VU038672.D (-547) (-)

Ion 57.00 (56.70 to 57.70): VU038672.D (-547) (-)

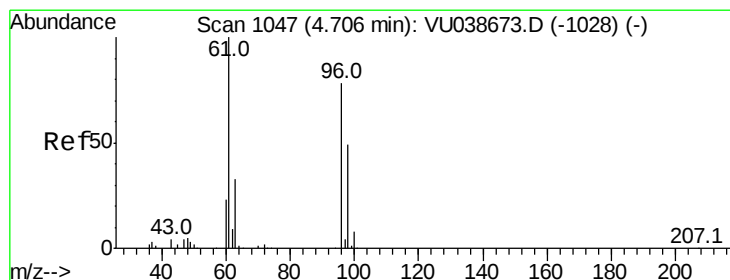
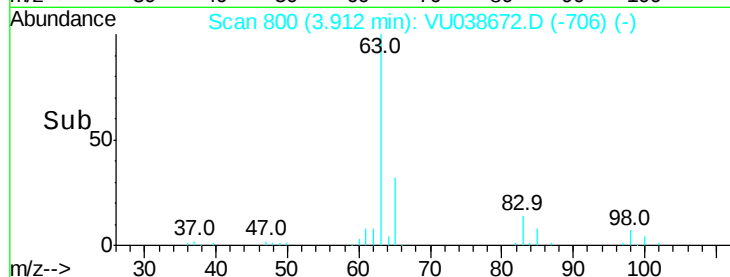
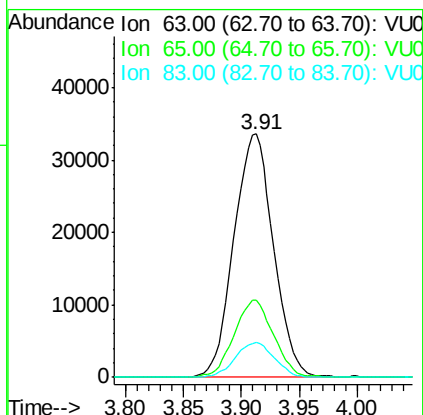
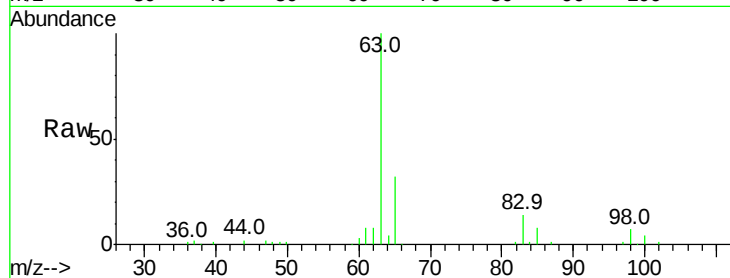




#19
 1,1-Dichloroethane
 Concen: 11.485 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU038672.D
 Acq: 08 Jun 2020 16:16

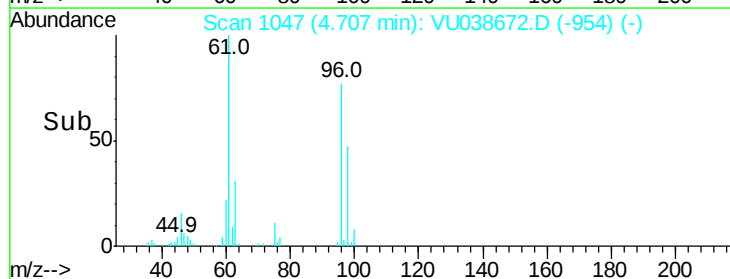
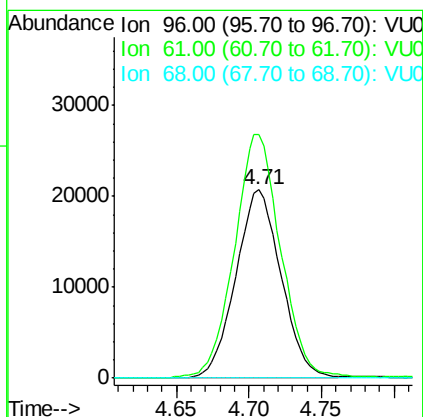
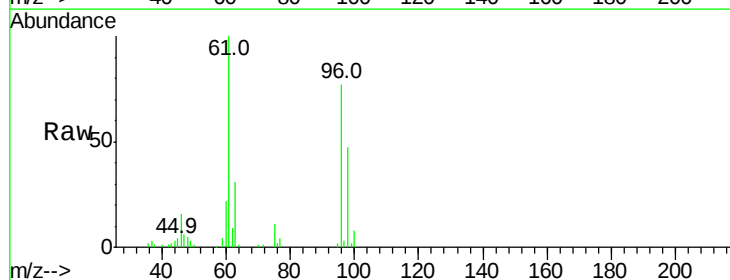
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

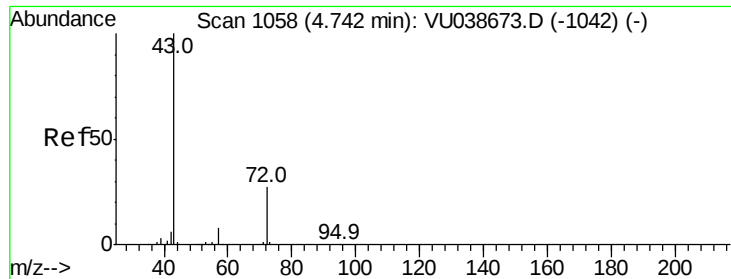
Tgt Ion: 63 Resp: 79486
 Ion Ratio Lower Upper
 63 100
 65 31.7 23.0 42.8
 83 14.1 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 11.234 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU038672.D
 Acq: 08 Jun 2020 16:16

Tgt Ion: 96 Resp: 44975
 Ion Ratio Lower Upper
 96 100
 61 129.4 89.5 166.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 19.958 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.01 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

Instrument :

MSVOA_U

ClientSampleId :

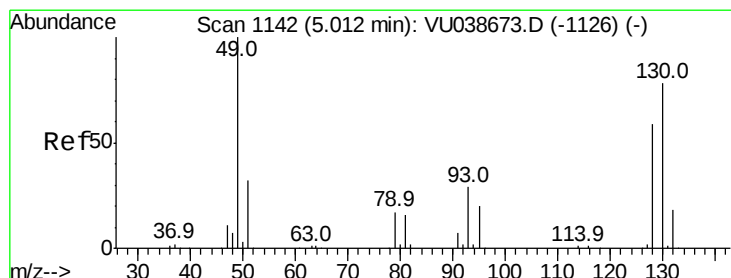
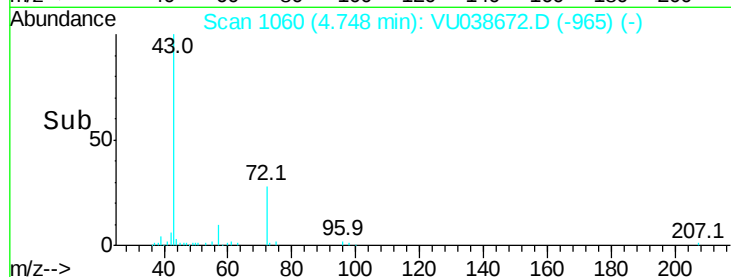
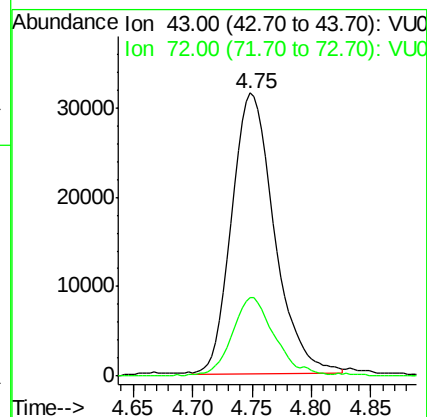
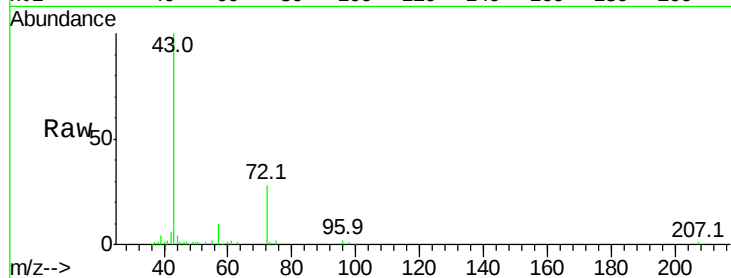
VSTD01031

Tgt Ion: 43 Resp: 77816

Ion Ratio Lower Upper

43 100

72 27.5 14.1 42.3



#23

Bromochloromethane

Concen: 11.378 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

Tgt Ion: 128 Resp: 22550

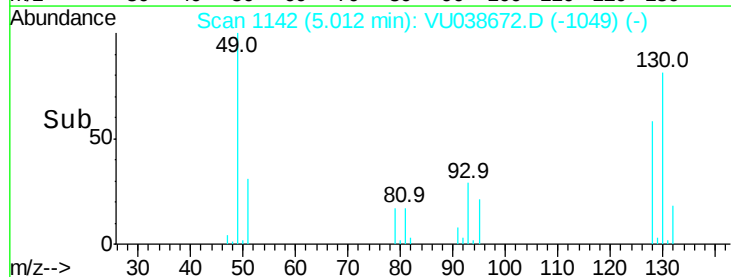
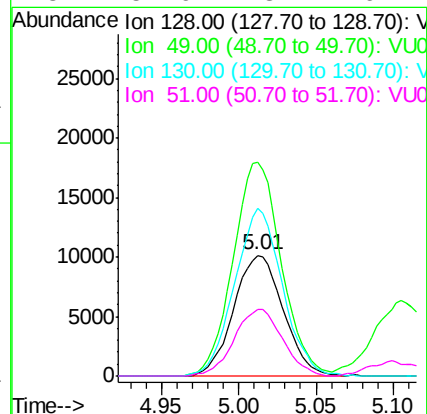
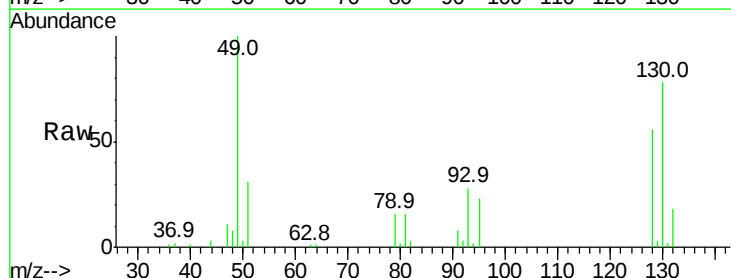
Ion Ratio Lower Upper

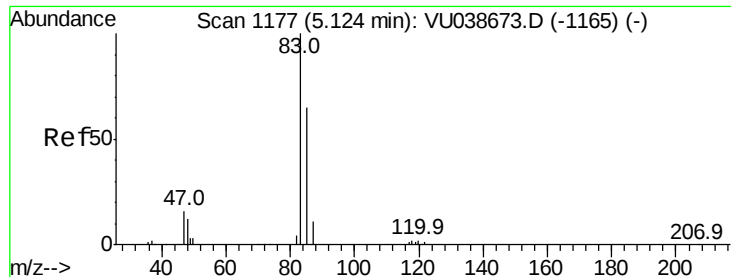
128 100

49 177.2 118.6 220.2

130 139.1 92.5 171.7

51 54.9 43.1 64.7





#25

Chloroform

Concen: 10.967 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

Instrument :

MSVOA_U

ClientSampleId :

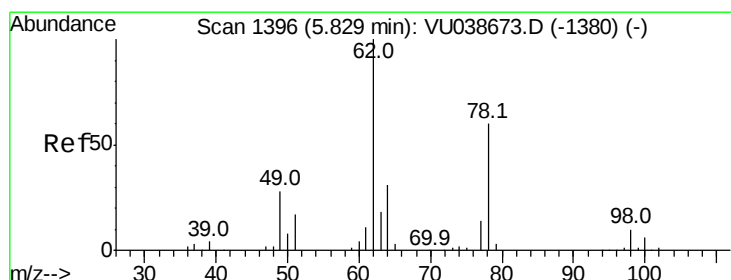
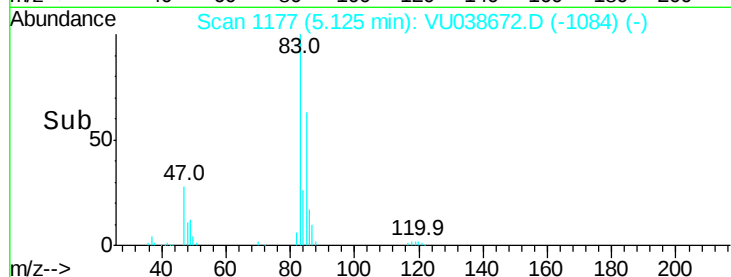
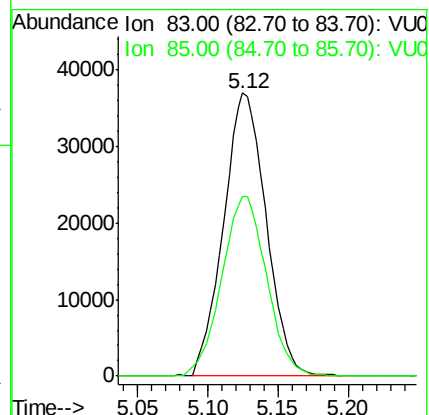
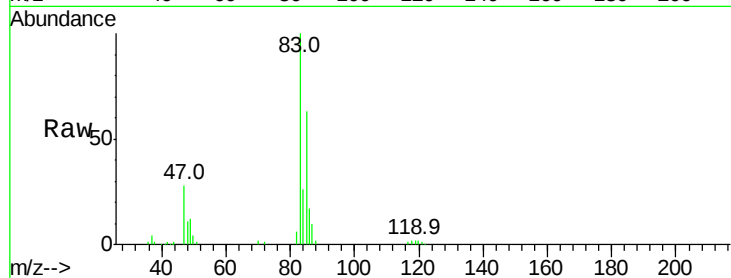
VSTD01031

Tgt Ion: 83 Resp: 78053

Ion Ratio Lower Upper

83 100

85 63.3 47.0 87.4



#27

1,2-Dichloroethane

Concen: 11.281 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VU038672.D

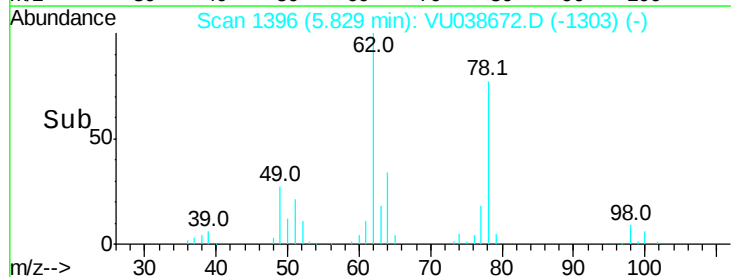
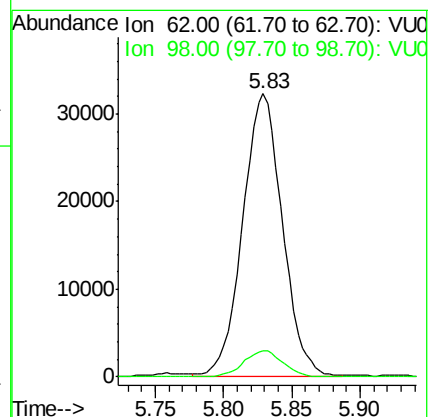
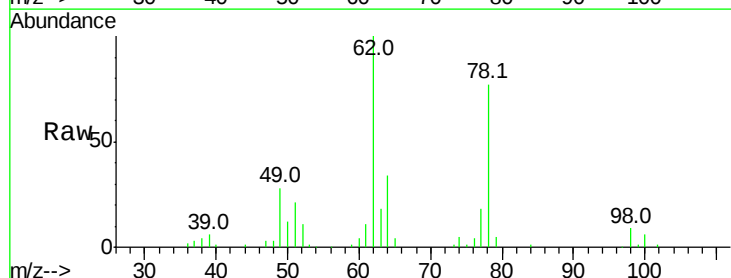
Acq: 08 Jun 2020 16:16

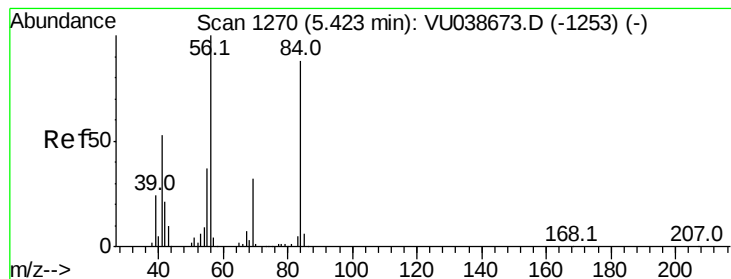
Tgt Ion: 62 Resp: 65006

Ion Ratio Lower Upper

62 100

98 9.4 7.8 11.6





#29

Cyclohexane

Concen: 10.219 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

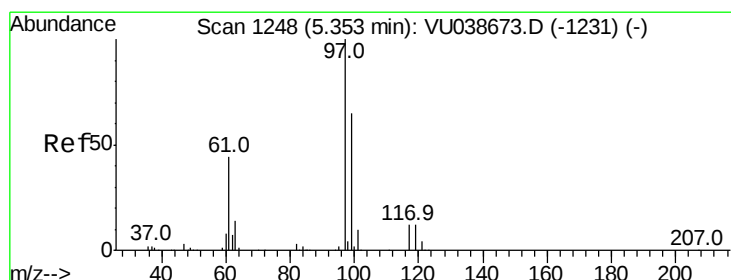
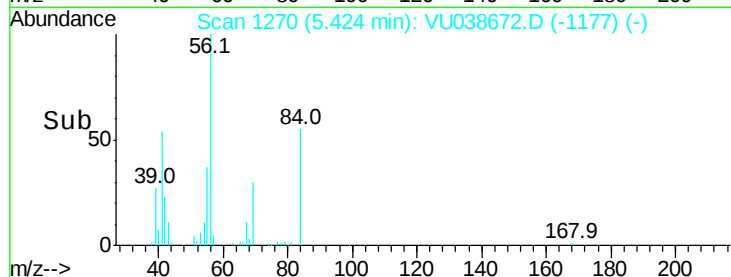
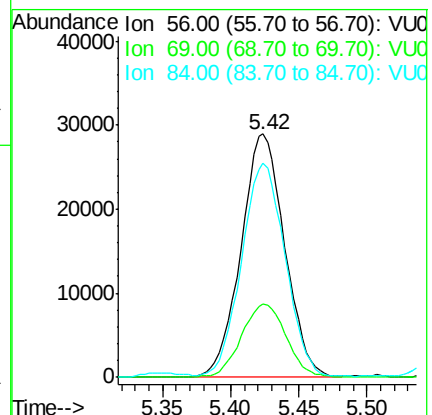
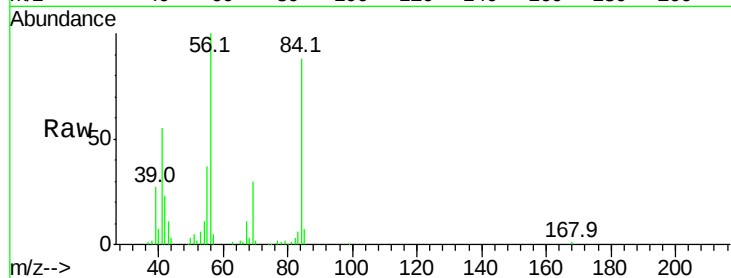
Tgt Ion: 56 Resp: 64332

Ion Ratio Lower Upper

56 100

69 30.8 25.1 37.7

84 86.9 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 11.105 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

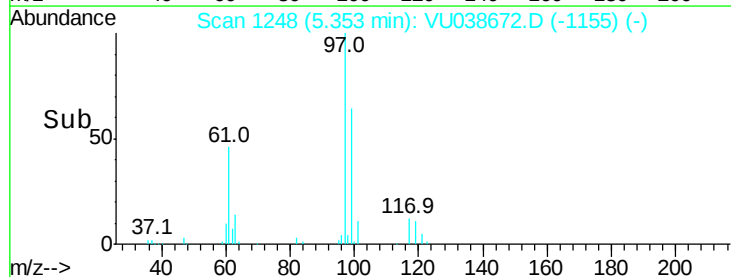
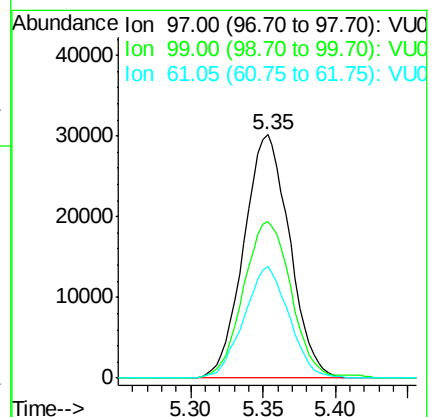
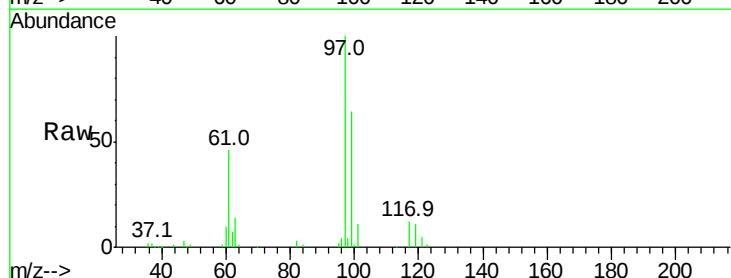
Tgt Ion: 97 Resp: 66304

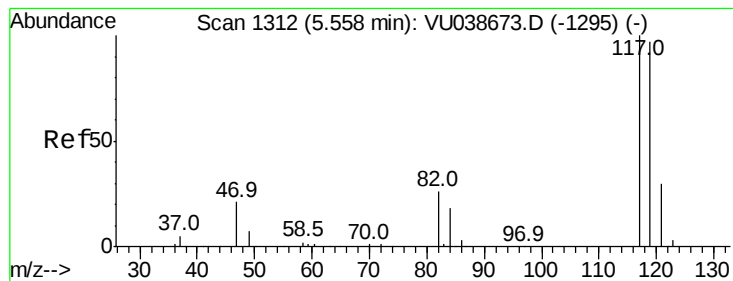
Ion Ratio Lower Upper

97 100

99 66.8 51.6 77.4

61 45.0 35.2 52.8





#31

Carbon tetrachloride

Concen: 11.156 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

Instrument :

MSVOA_U

ClientSampleId :

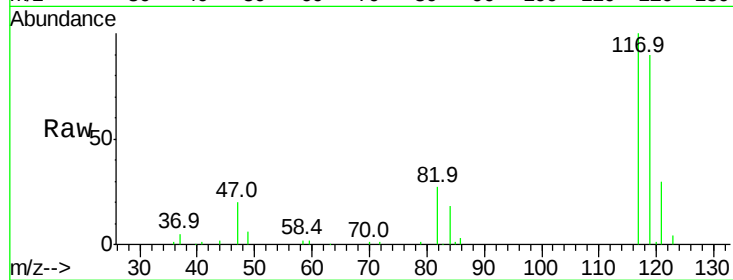
VSTD01031

Tgt Ion:117 Resp: 55514

Ion Ratio Lower Upper

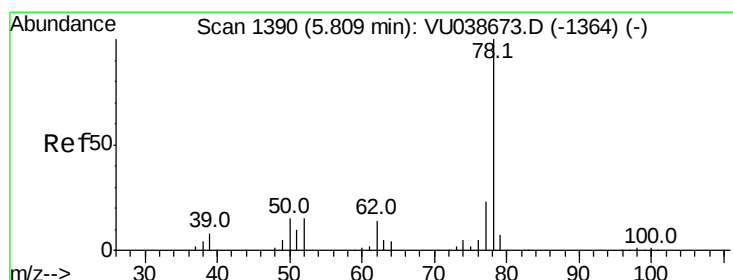
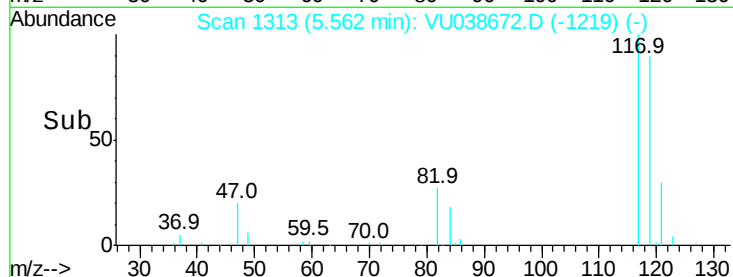
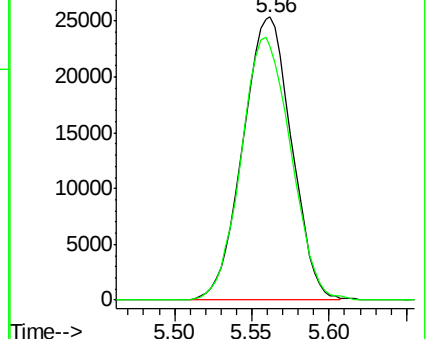
117 100

119 94.9 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: 11.195 ug/L

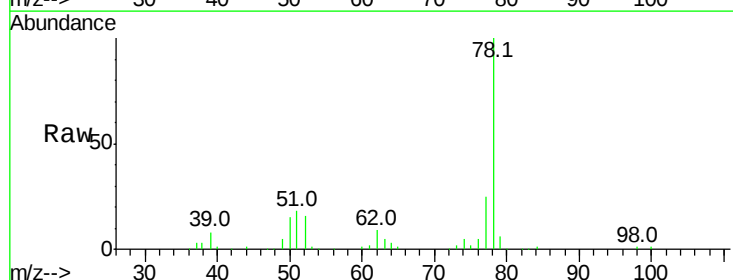
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

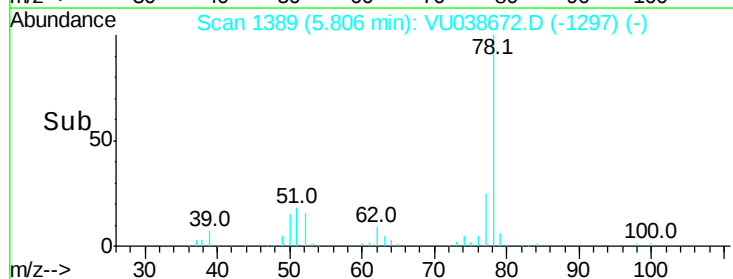
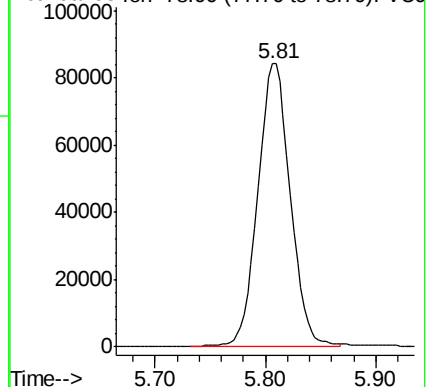
Lab File: VU038672.D

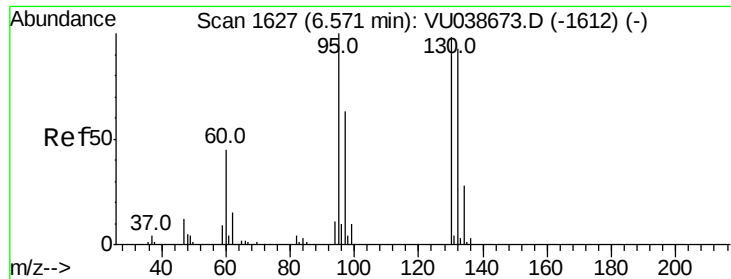
Acq: 08 Jun 2020 16:16

Tgt Ion: 78 Resp: 172637



Abundance Ion 78.00 (77.70 to 78.70): VU0

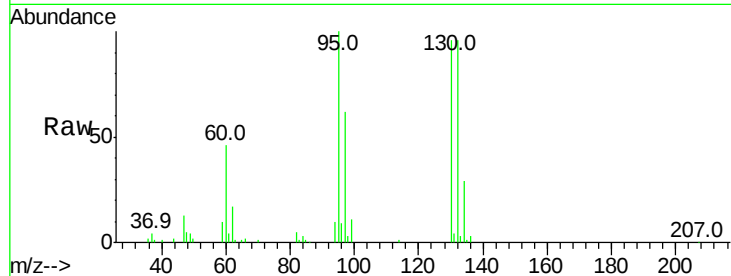




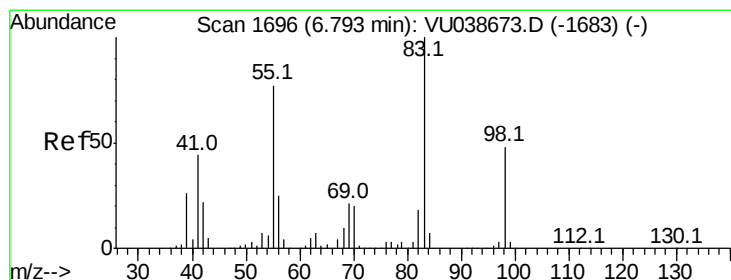
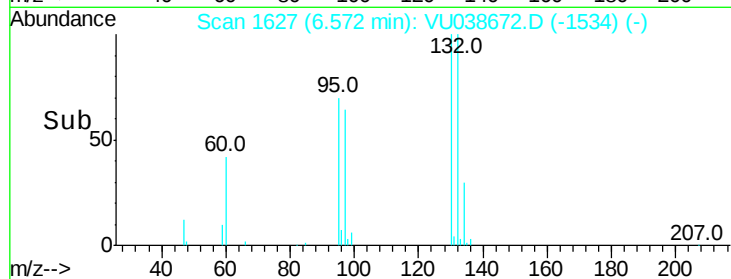
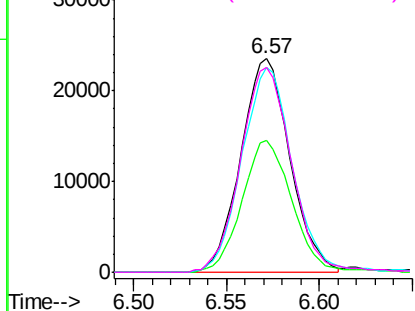
#34
 Trichloroethene
 Concen: 11.009 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038672.D
 Acq: 08 Jun 2020 16:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

Tgt Ion:	95	Resp:	43438
Ion	Ratio	Lower	Upper
95	100		
97	61.5	44.4	82.4
132	96.0	64.9	120.5
130	95.9	68.6	127.4

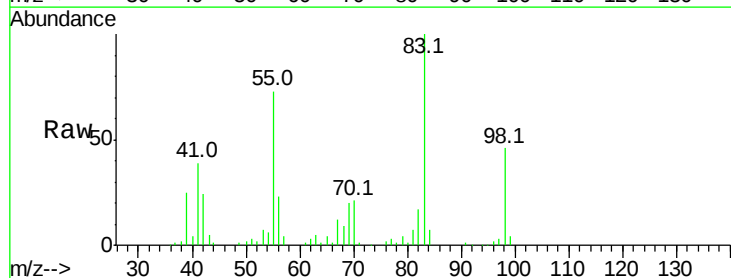


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

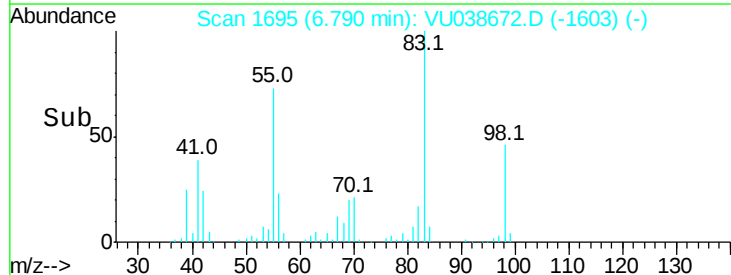
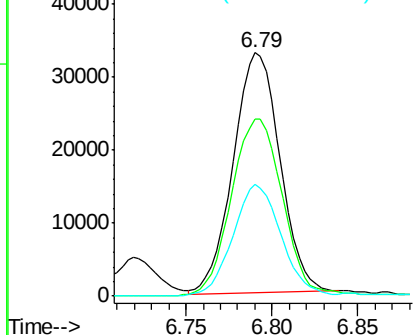


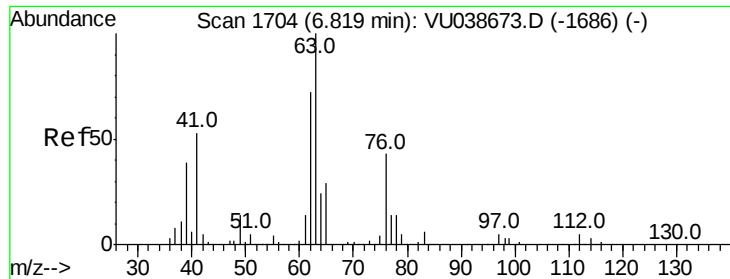
#35
 Methylcyclohexane
 Concen: 10.066 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038672.D
 Acq: 08 Jun 2020 16:16

Tgt Ion:	83	Resp:	62355
Ion	Ratio	Lower	Upper
83	100		
55	81.3	63.2	94.8
98	47.9	38.4	57.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

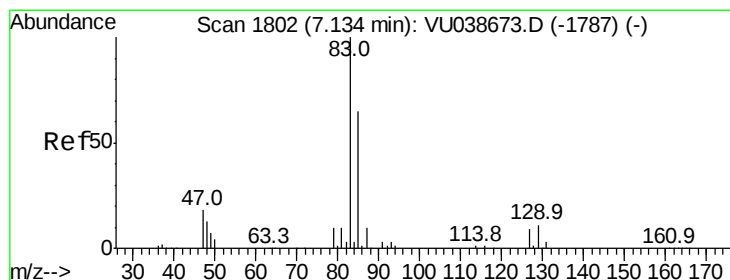
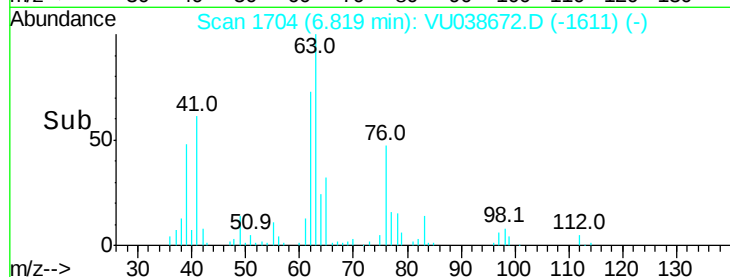
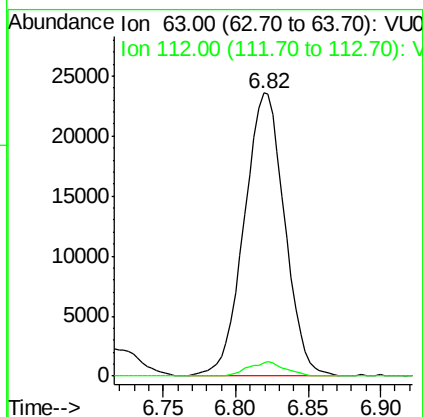
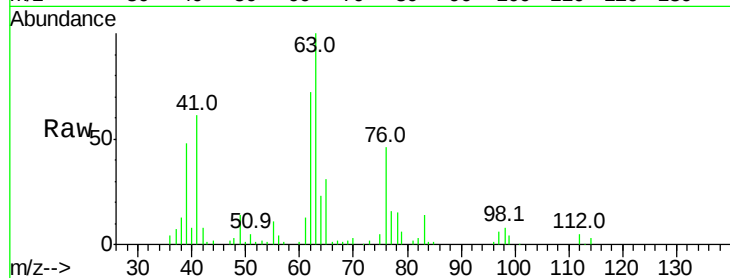




#37
 1,2-Dichloropropane
 Concen: 11.461 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VU038672.D
 Acq: 08 Jun 2020 16:16

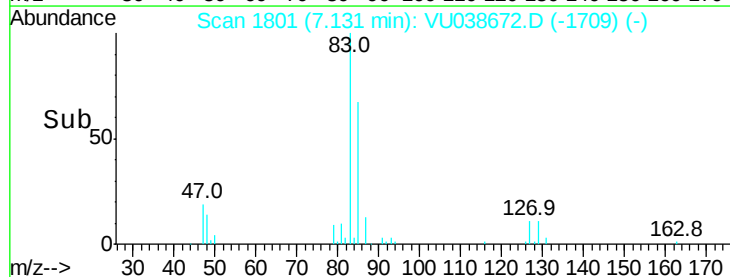
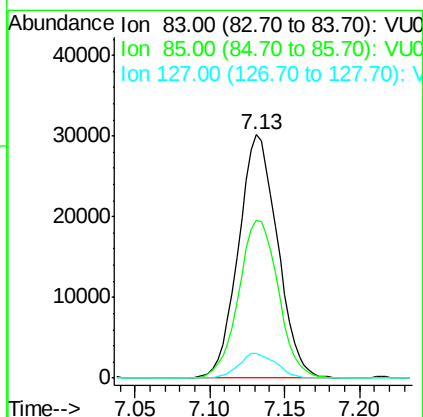
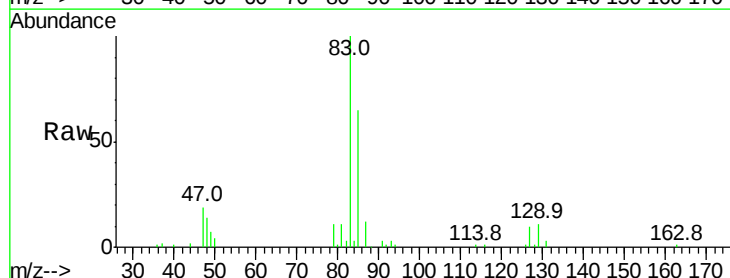
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

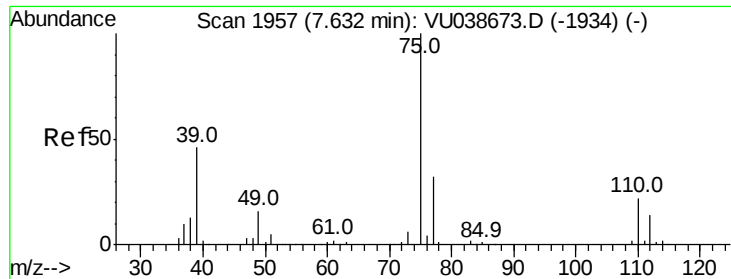
Tgt Ion: 63 Resp: 45837
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#38
 Bromodichloromethane
 Concen: 10.706 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU038672.D
 Acq: 08 Jun 2020 16:16

Tgt Ion: 83 Resp: 54869
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.1 83.9
 127 10.4 7.0 10.4

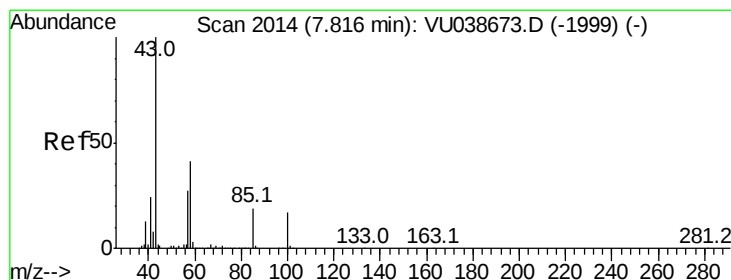
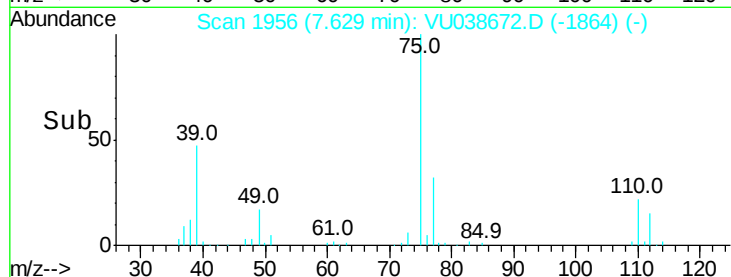
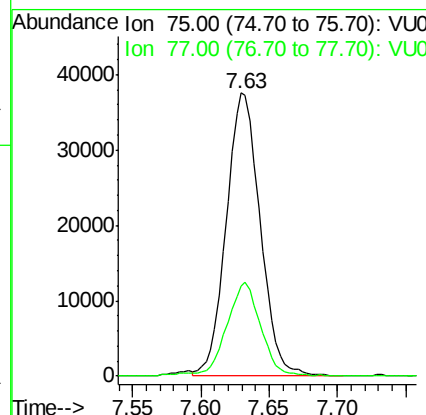
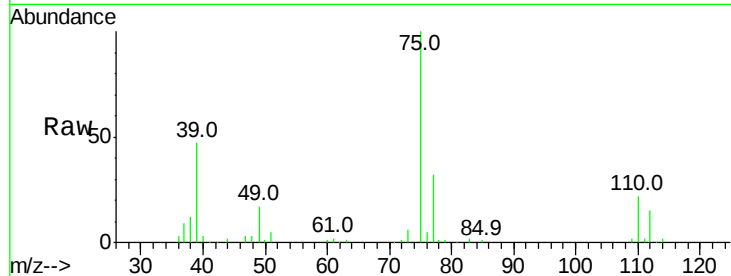




#39
 cis-1,3-Dichloropropene
 Concen: 10.230 ug/L
 RT: 7.63 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU038672.D
 Acq: 08 Jun 2020 16:16

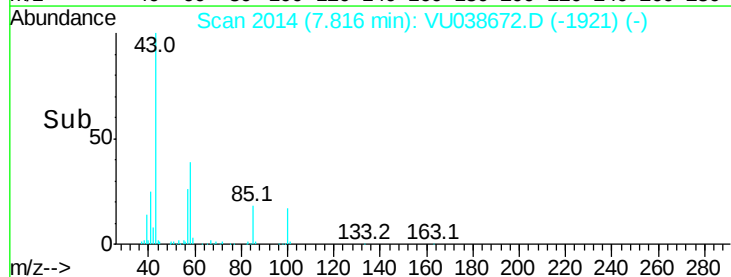
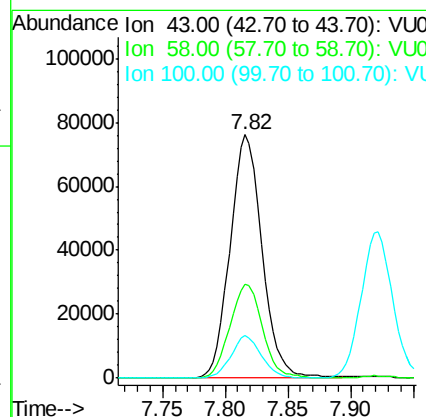
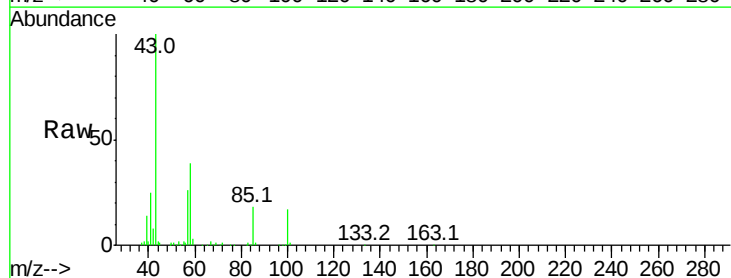
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

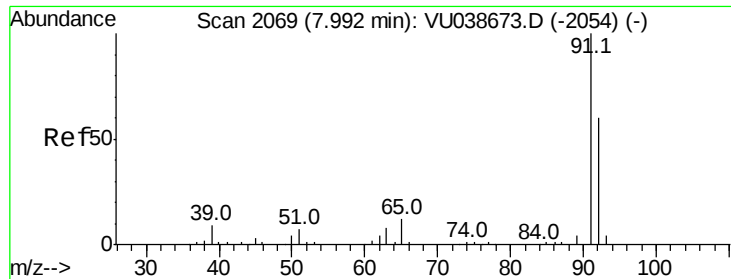
Tgt Ion: 75 Resp: 65107
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 21.232 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: VU038672.D
 Acq: 08 Jun 2020 16:16

Tgt Ion: 43 Resp: 135047
 Ion Ratio Lower Upper
 43 100
 58 39.4 33.0 49.4
 100 16.4 13.4 20.0





#42

Toluene

Concen: 10.903 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

Instrument :

MSVOA_U

ClientSampleId :

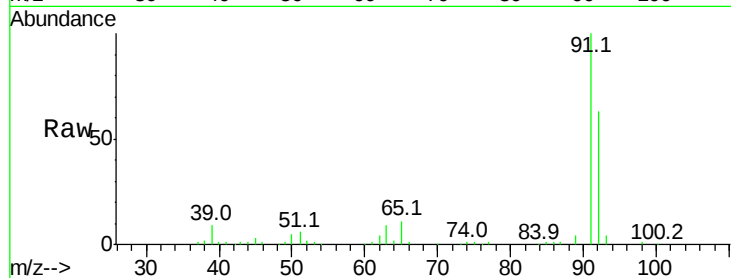
VSTD01031

Tgt Ion: 91 Resp: 176514

Ion Ratio Lower Upper

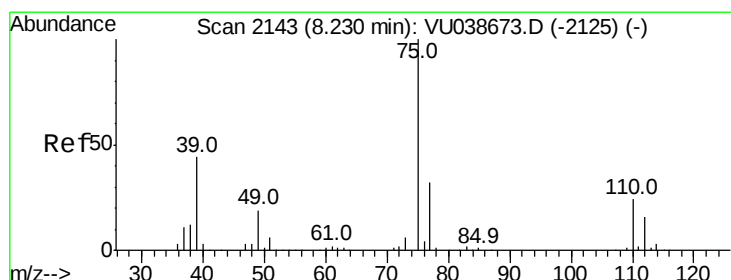
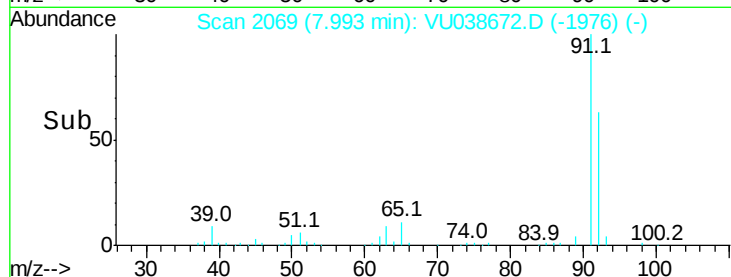
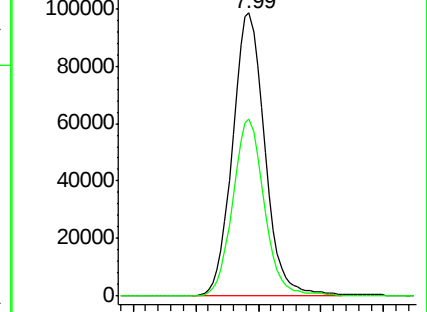
91 100

92 62.5 42.2 78.4



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: 10.222 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU038672.D

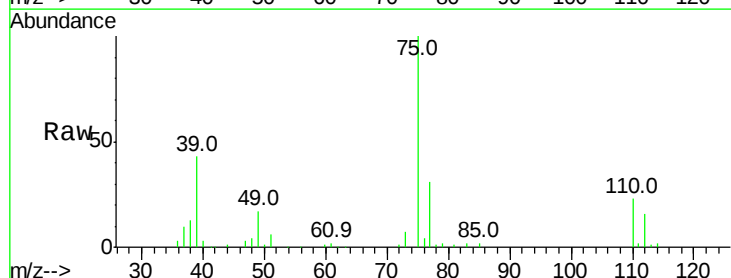
Acq: 08 Jun 2020 16:16

Tgt Ion: 75 Resp: 60896

Ion Ratio Lower Upper

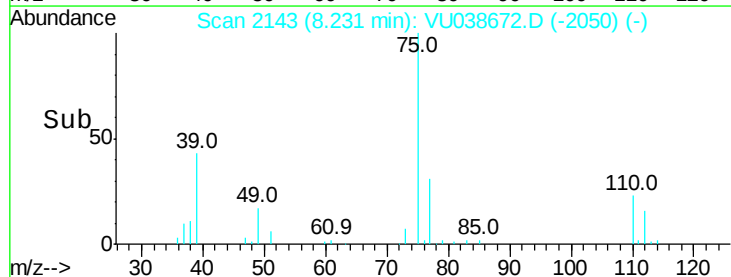
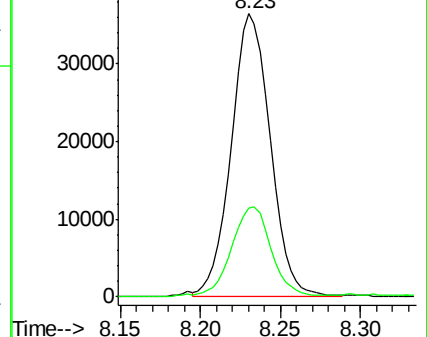
75 100

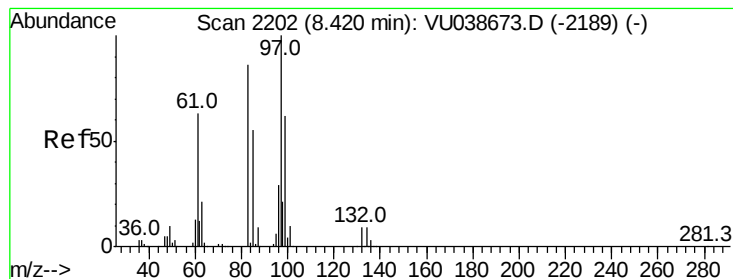
77 31.3 22.5 41.7



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: 11.434 ug/L

RT: 8.42 min Scan# 2202

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

Tgt Ion: 97 Resp: 43397

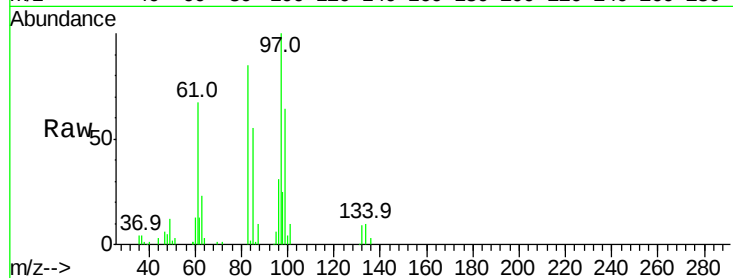
Ion Ratio Lower Upper

97 100

99 63.9 43.6 81.0

83 85.2 60.0 111.4

85 55.2 38.4 71.2

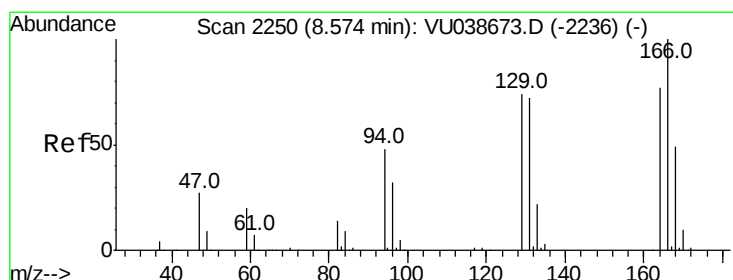
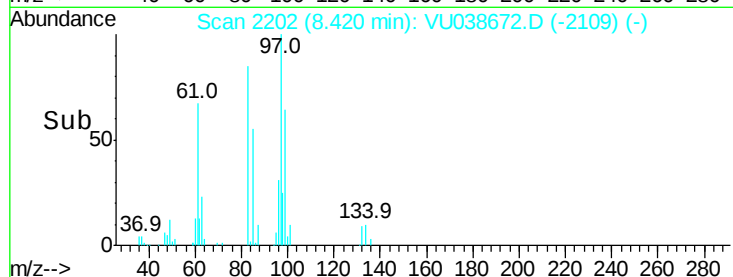
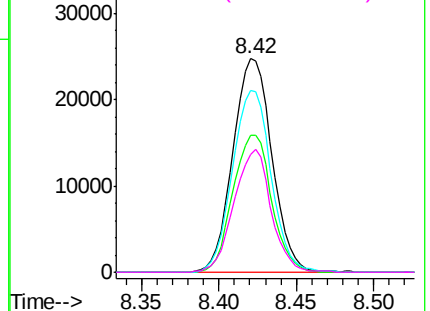


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 10.811 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

Tgt Ion: 164 Resp: 31184

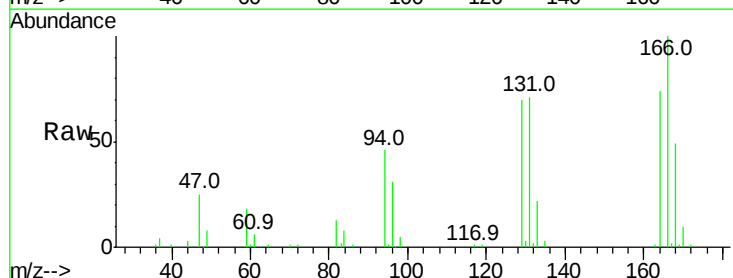
Ion Ratio Lower Upper

164 100

129 94.6 67.2 124.8

131 94.9 65.5 121.6

166 134.3 90.4 168.0

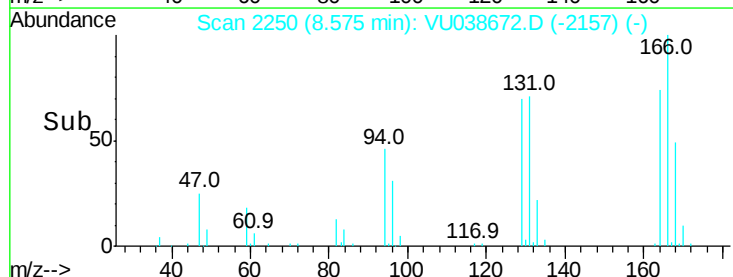
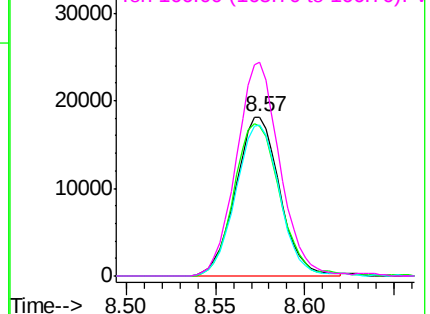


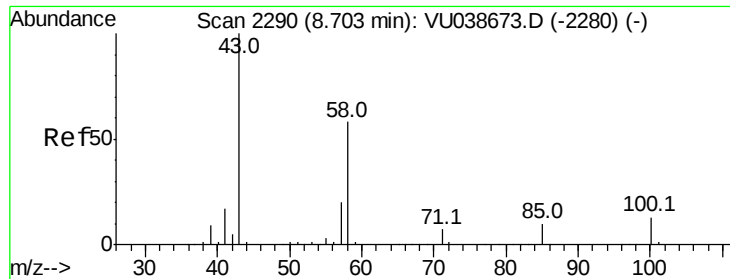
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

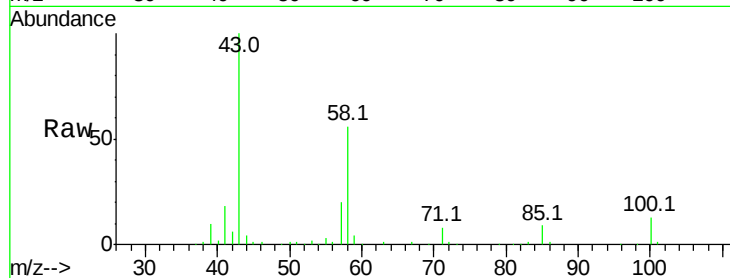




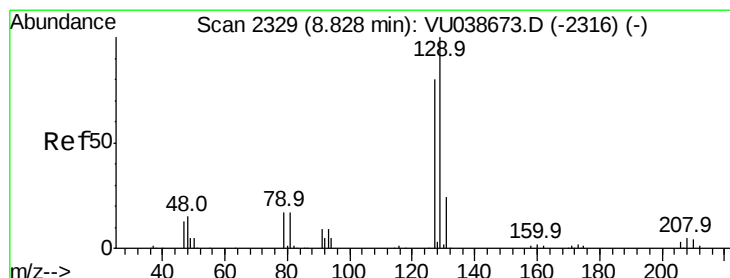
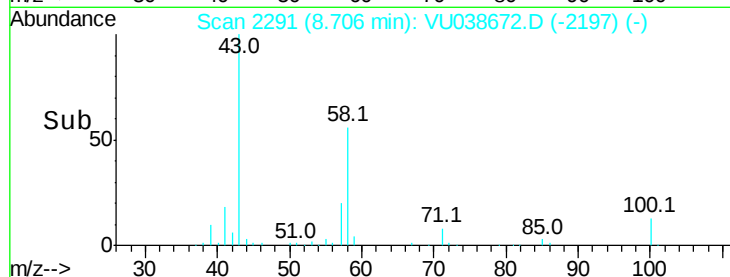
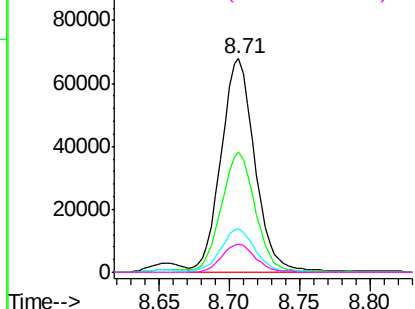
#48
2-Hexanone
Concen: 21.157 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU038672.D
Acq: 08 Jun 2020 16:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD01031

Tgt Ion: 43 Resp: 113616
Ion Ratio Lower Upper
43 100
58 56.0 46.2 69.4
57 19.9 16.6 24.8
100 13.2 10.6 16.0

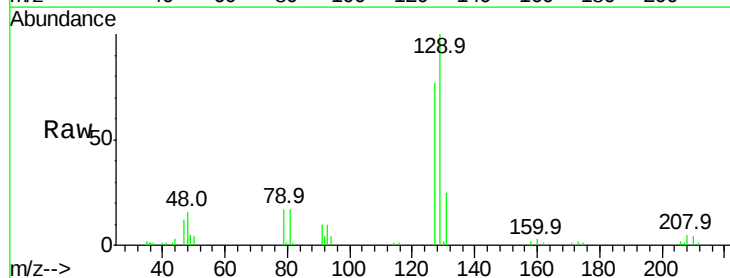


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

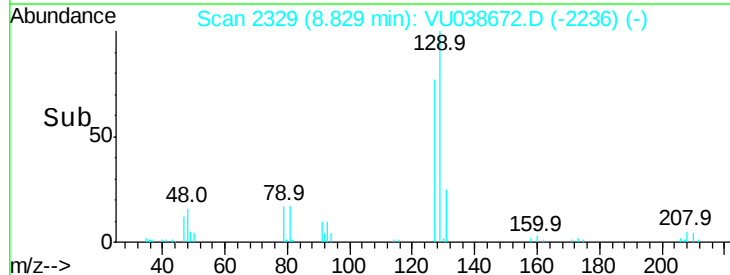
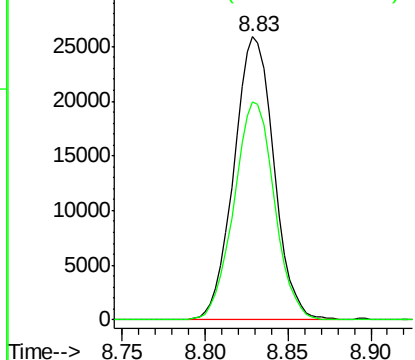


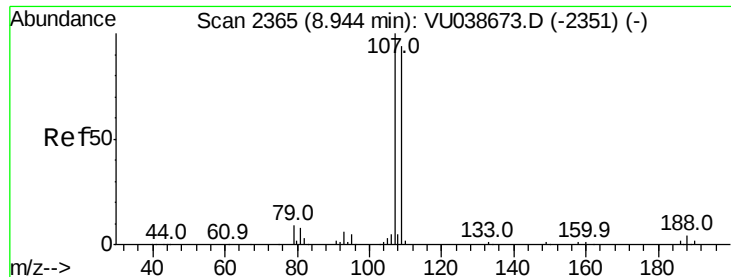
#49
Dibromochloromethane
Concen: 11.295 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. 0.00 min
Lab File: VU038672.D
Acq: 08 Jun 2020 16:16

Tgt Ion: 129 Resp: 43403
Ion Ratio Lower Upper
129 100
127 76.8 55.8 103.6



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

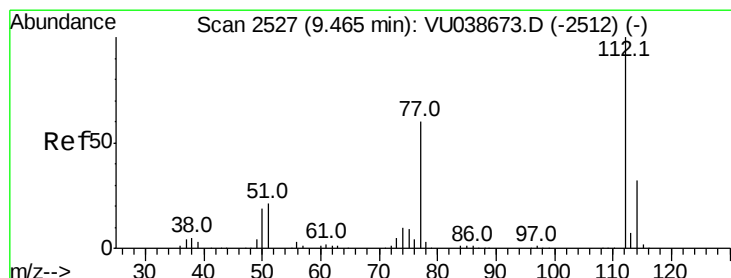
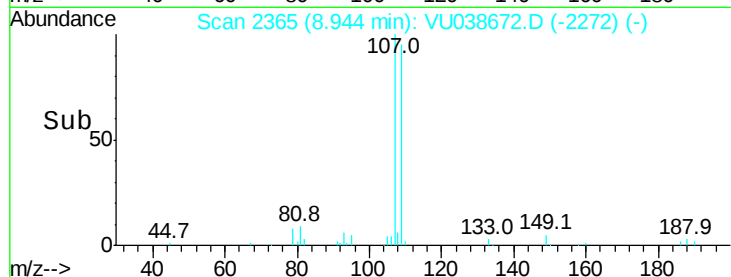
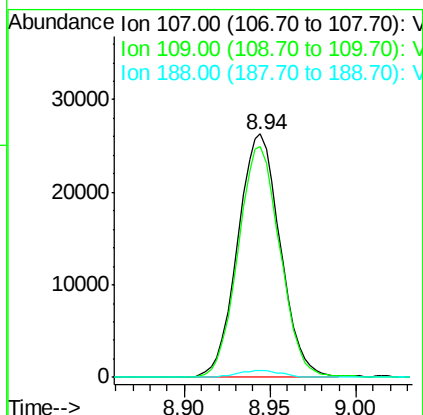
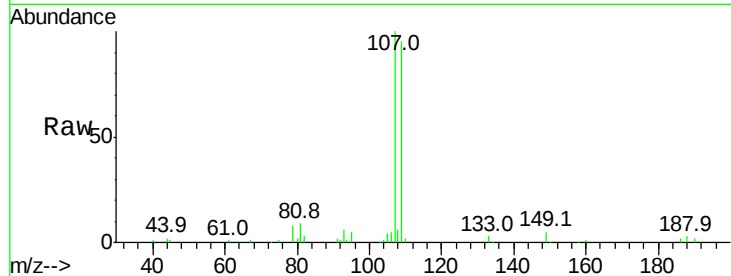




#50
1,2-Dibromoethane
Concen: 11.100 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU038672.D
Acq: 08 Jun 2020 16:16

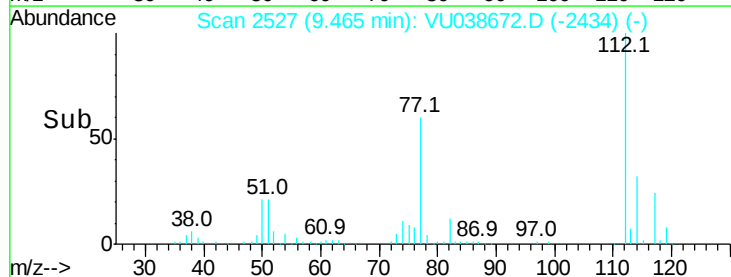
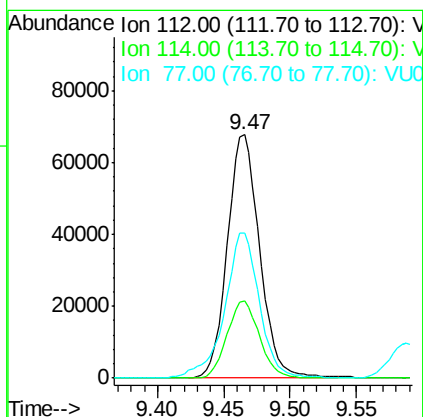
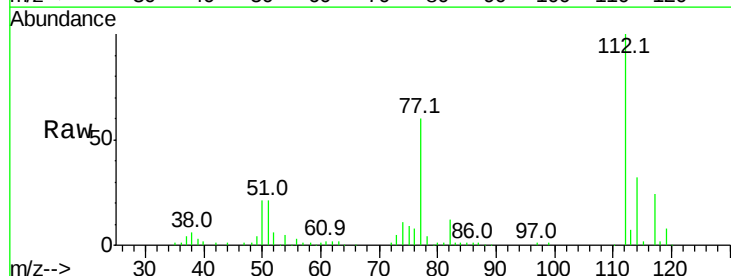
Instrument :
MSVOA_U
ClientSampleId :
VSTD01031

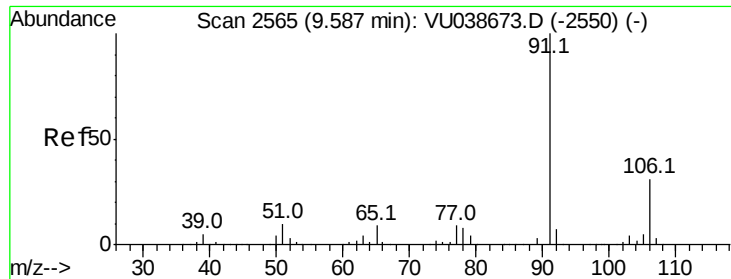
Tgt Ion:107 Resp: 45281
Ion Ratio Lower Upper
107 100
109 95.0 65.9 122.5
188 2.9 2.9 4.3



#51
Chlorobenzene
Concen: 11.020 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU038672.D
Acq: 08 Jun 2020 16:16

Tgt Ion:112 Resp: 114659
Ion Ratio Lower Upper
112 100
114 31.6 22.2 41.2
77 59.5 47.9 71.9





#52

Ethylbenzene

Concen: 10.481 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

Instrument :

MSVOA_U

ClientSampleId :

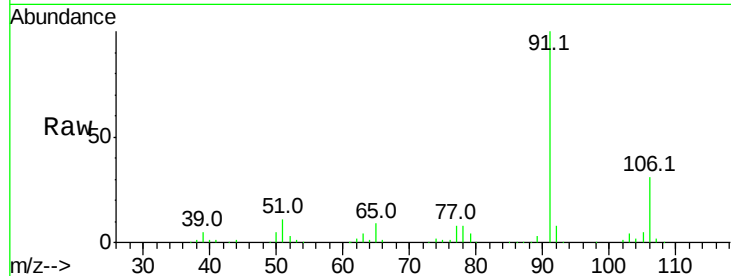
VSTD01031

Tgt Ion: 91 Resp: 190136

Ion Ratio Lower Upper

91 100

106 31.3 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU038673.D (-2550) (-)

Ion 106.00 (105.70 to 106.70): VU038673.D (-2550) (-)

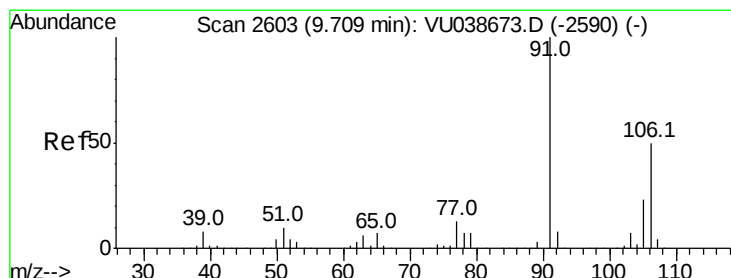
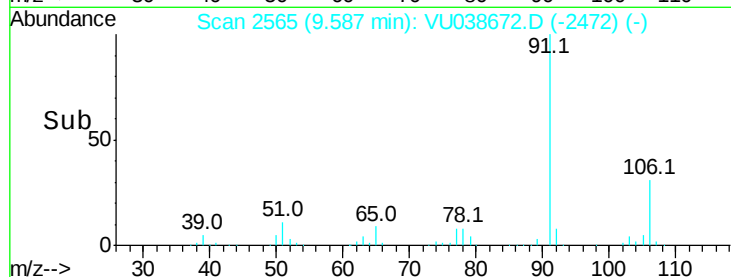
9.59

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 10.432 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU038672.D

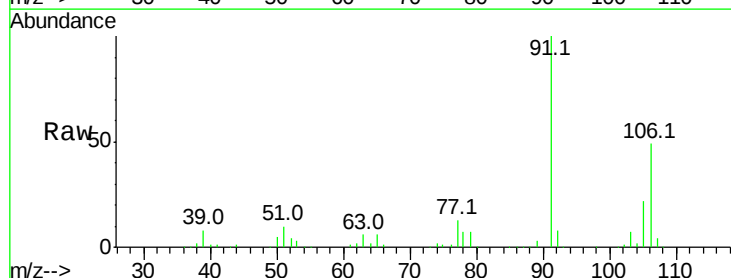
Acq: 08 Jun 2020 16:16

Tgt Ion: 106 Resp: 72371

Ion Ratio Lower Upper

106 100

91 202.9 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): VU038673.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VU038673.D (-2590) (-)

9.71

100000

80000

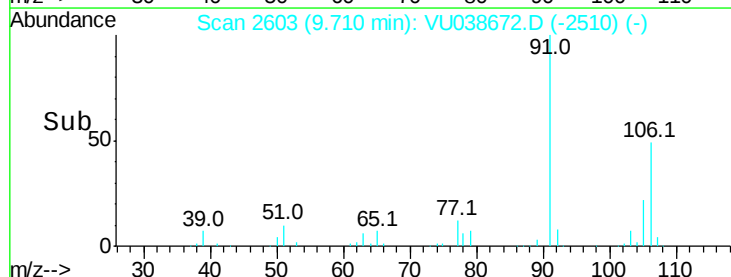
60000

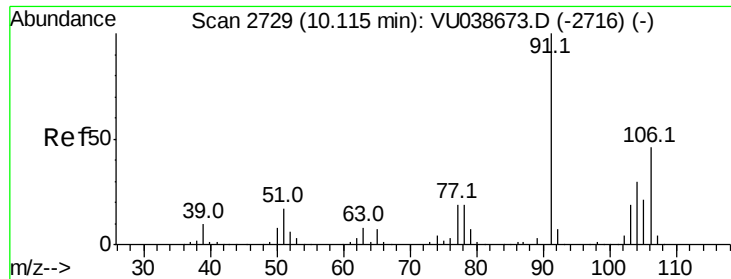
40000

20000

0

Time-->

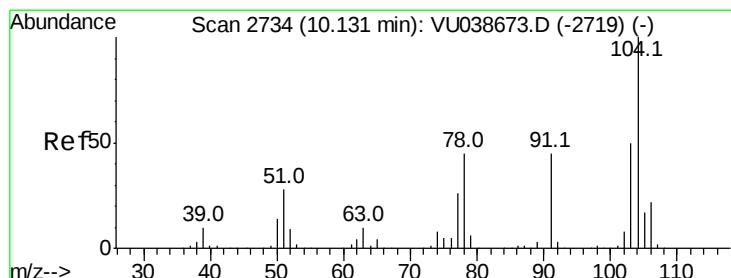
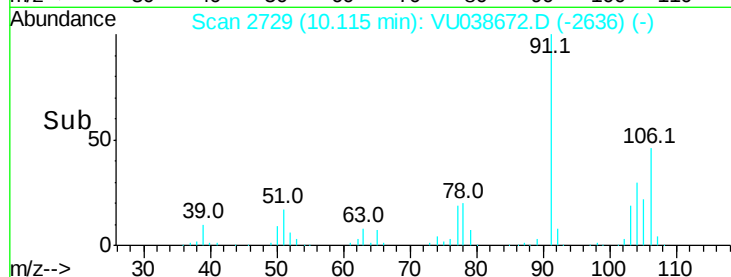
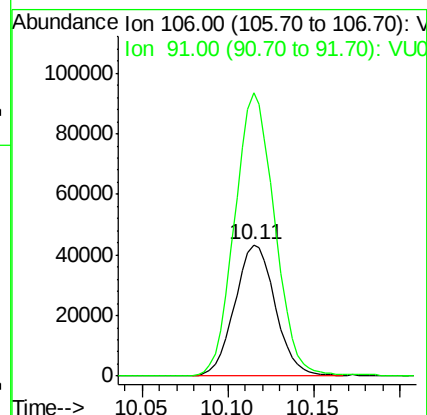
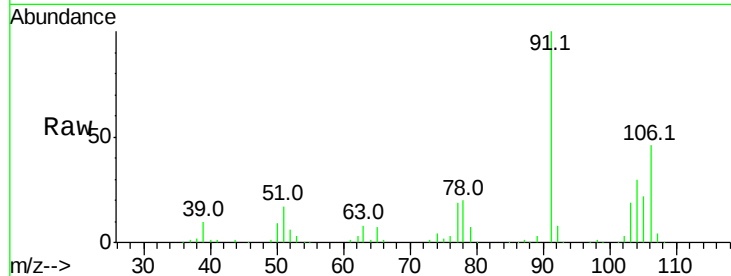




#54
o-xylene
Concen: 10.525 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU038672.D
Acq: 08 Jun 2020 16:16

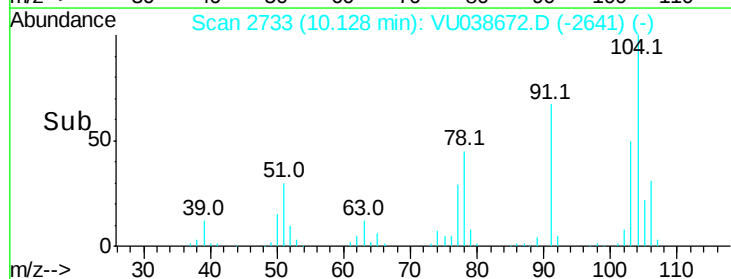
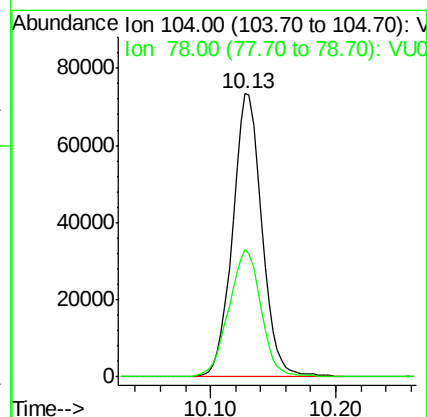
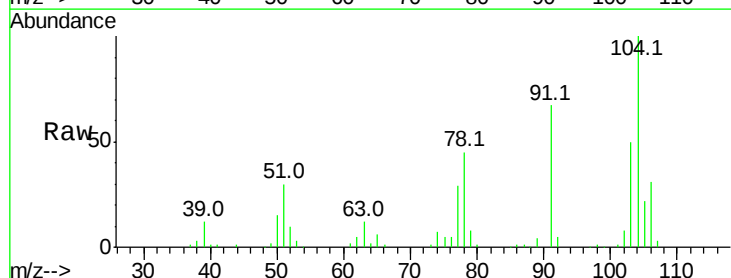
Instrument :
MSVOA_U
ClientSampleId :
VSTD01031

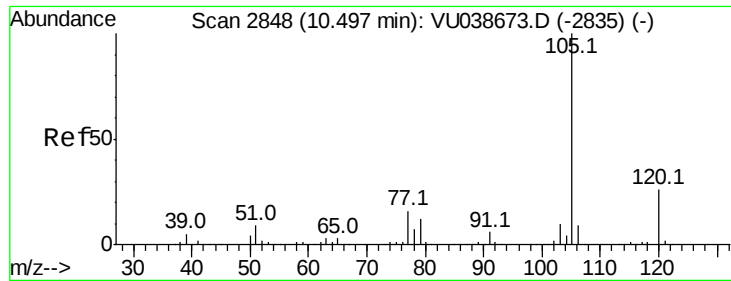
Tgt Ion:106 Resp: 70987
Ion Ratio Lower Upper
106 100
91 215.1 151.2 280.8



#55
Styrene
Concen: 10.280 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU038672.D
Acq: 08 Jun 2020 16:16

Tgt Ion:104 Resp: 119162
Ion Ratio Lower Upper
104 100
78 44.8 31.6 58.6





#56

Isopropylbenzene

Concen: 10.494 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

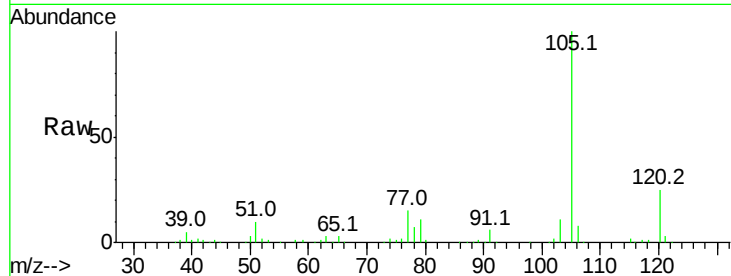
Tgt Ion:105 Resp: 184955

Ion Ratio Lower Upper

105 100

120 25.1 20.9 31.3

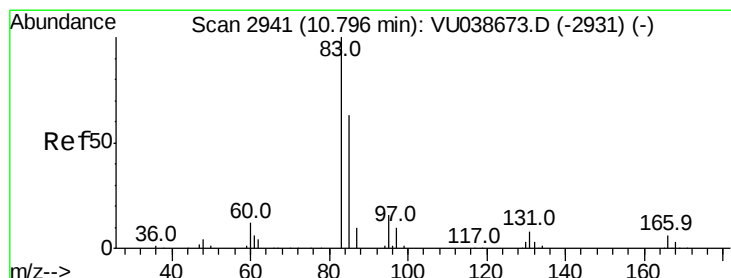
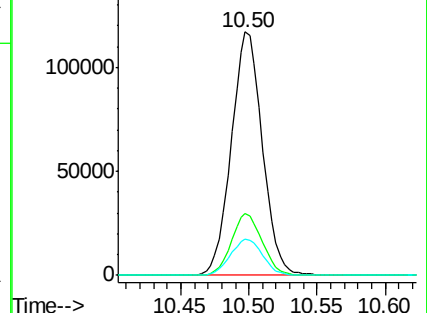
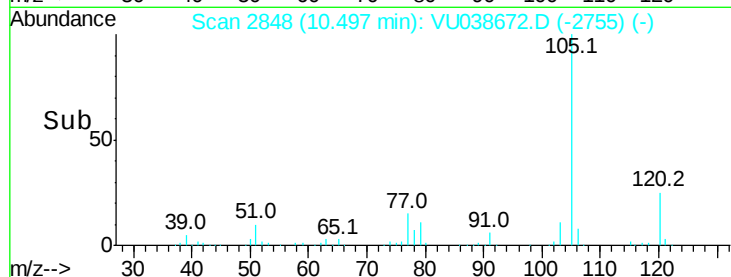
77 15.5 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 11.014 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

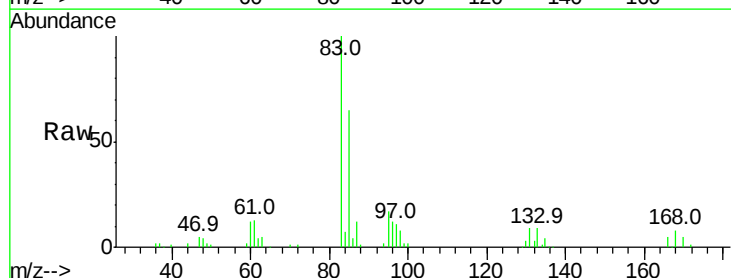
Tgt Ion: 83 Resp: 71536

Ion Ratio Lower Upper

83 100

85 65.2 45.3 84.1

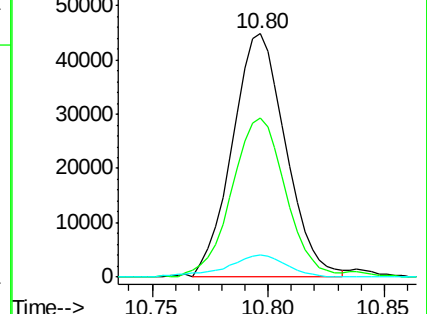
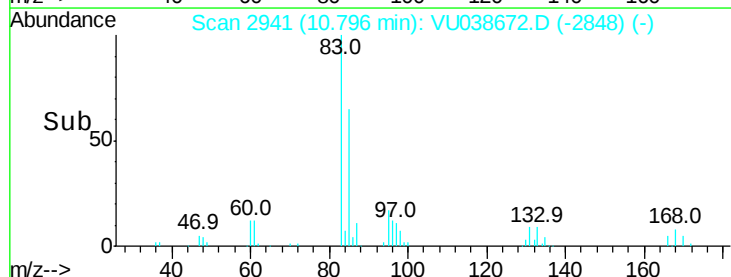
131 9.1 7.2 10.8

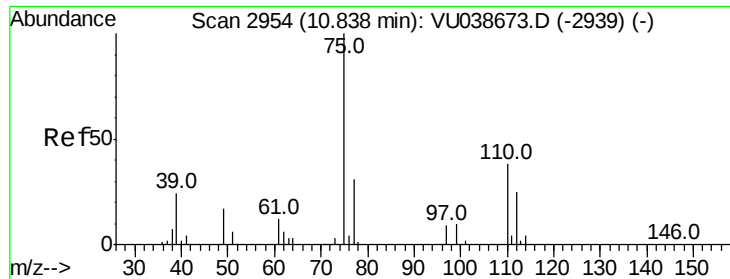


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

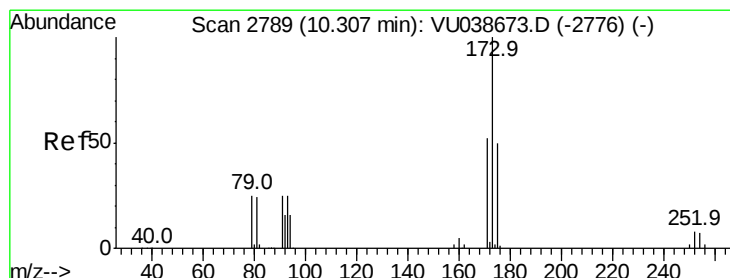
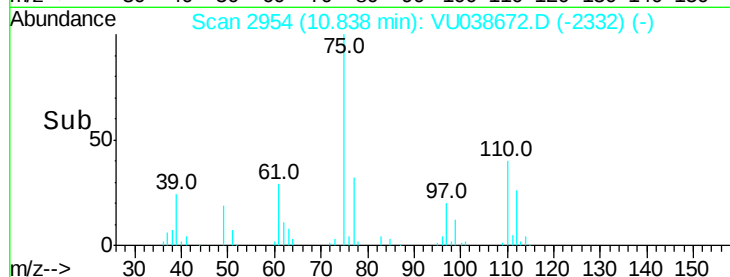
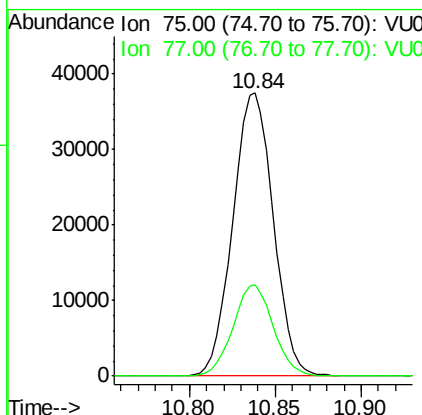
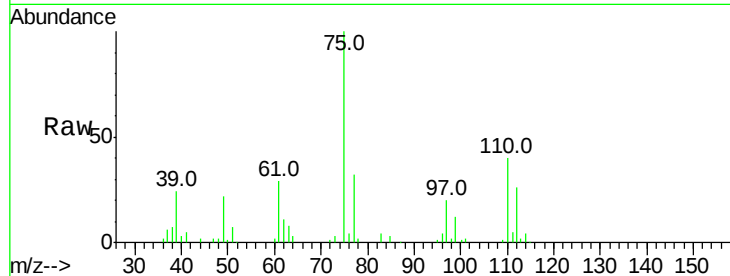




#59
 1,2,3-Trichloropropane
 Concen: 11.001 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU038672.D
 Acq: 08 Jun 2020 16:16

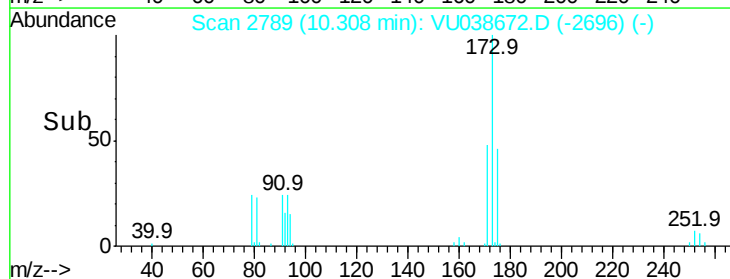
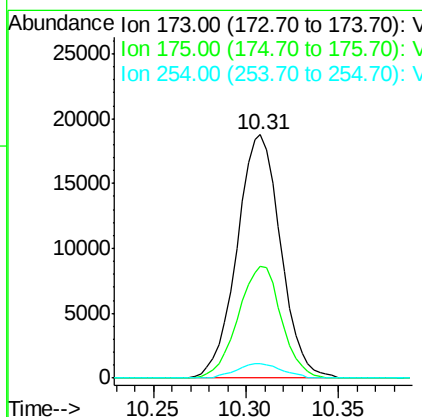
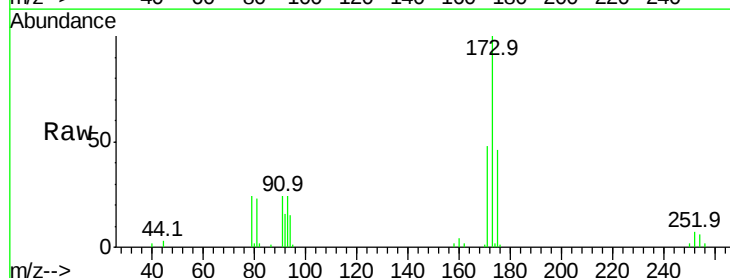
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

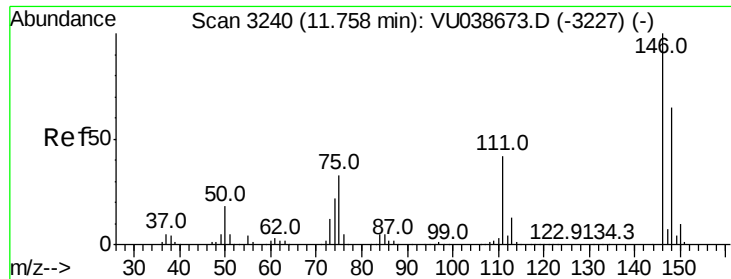
Tgt Ion: 75 Resp: 61523
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.3 37.9



#61
 Bromoform
 Concen: 11.196 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VU038672.D
 Acq: 08 Jun 2020 16:16

Tgt Ion: 173 Resp: 30780
 Ion Ratio Lower Upper
 173 100
 175 45.3 39.0 58.4
 254 6.0 5.8 8.8

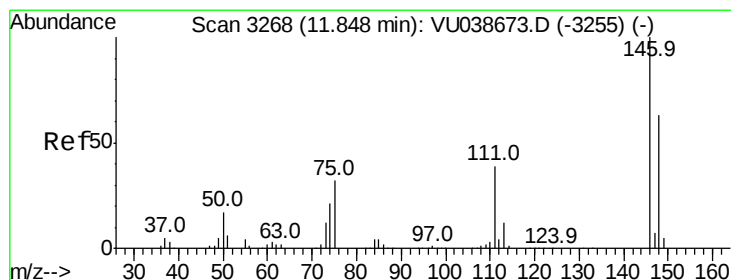
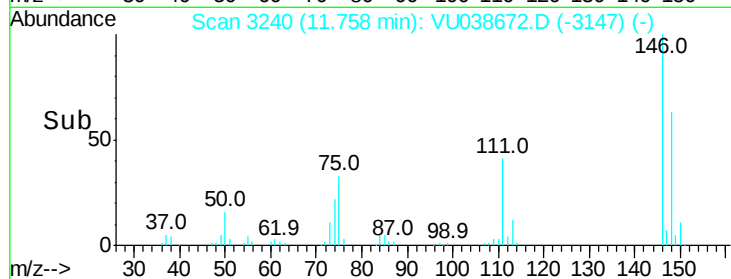
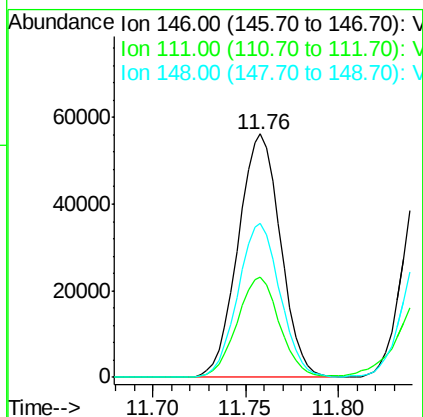
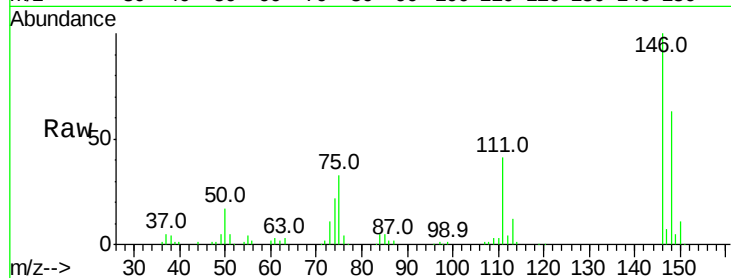




#62
 1,3-Dichlorobenzene
 Concen: 11.212 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU038672.D
 Acq: 08 Jun 2020 16:16

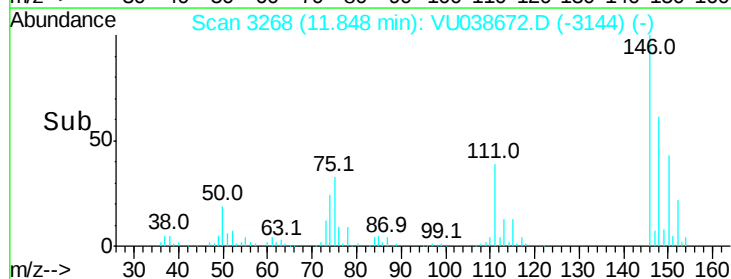
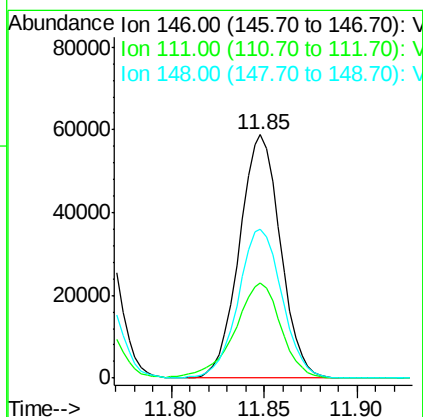
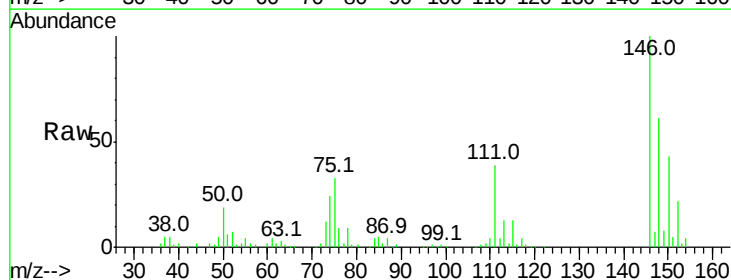
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

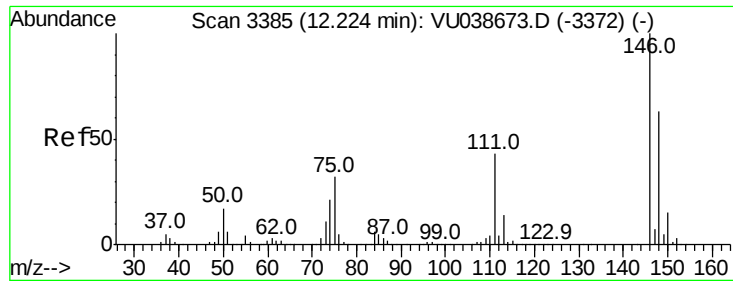
Tgt Ion:146 Resp: 89696
 Ion Ratio Lower Upper
 146 100
 111 41.0 29.2 54.2
 148 63.4 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 11.175 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU038672.D
 Acq: 08 Jun 2020 16:16

Tgt Ion:146 Resp: 90875
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.6 51.4
 148 61.4 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 11.098 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

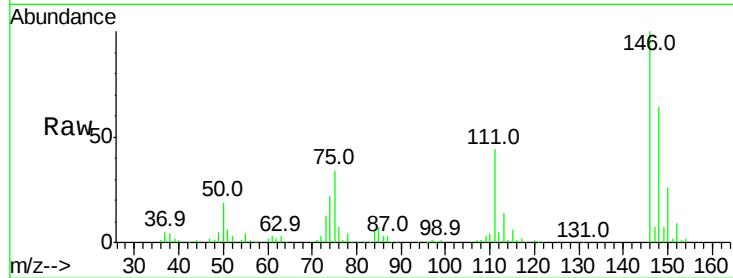
Tgt Ion:146 Resp: 88041

Ion Ratio Lower Upper

146 100

111 43.6 34.8 52.2

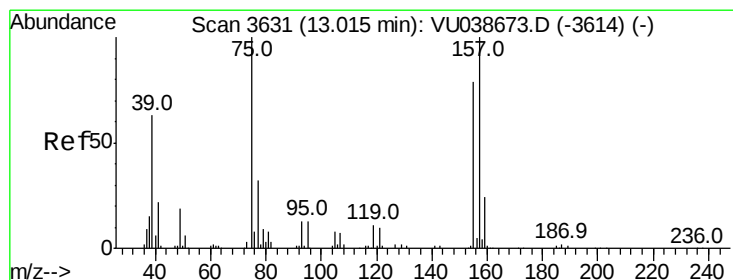
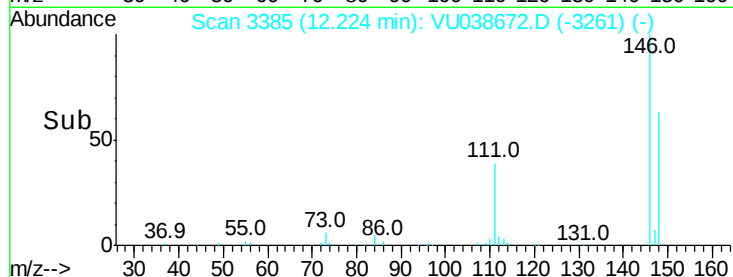
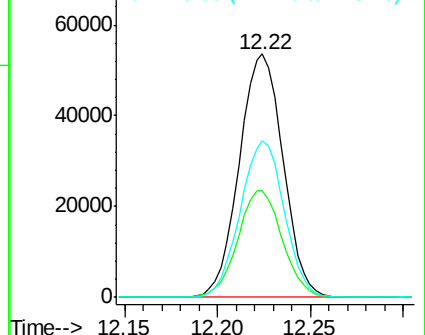
148 64.2 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 10.712 ug/L

RT: 13.02 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

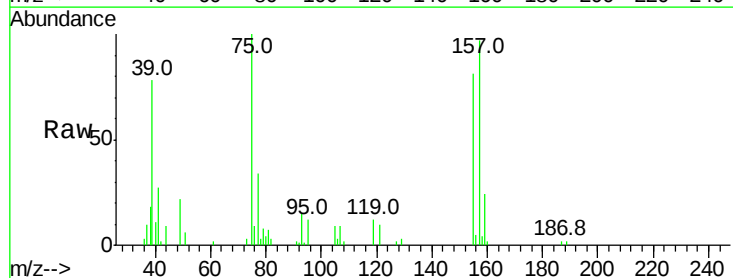
Tgt Ion: 75 Resp: 17397

Ion Ratio Lower Upper

75 100

155 80.9 63.8 95.6

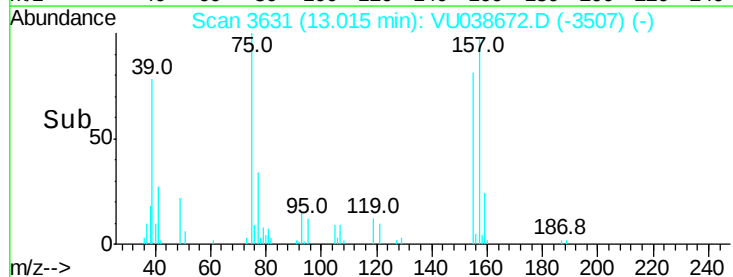
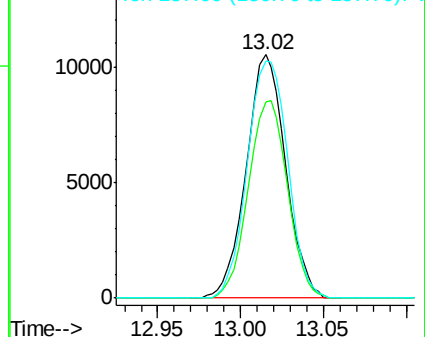
157 97.4 80.2 120.2

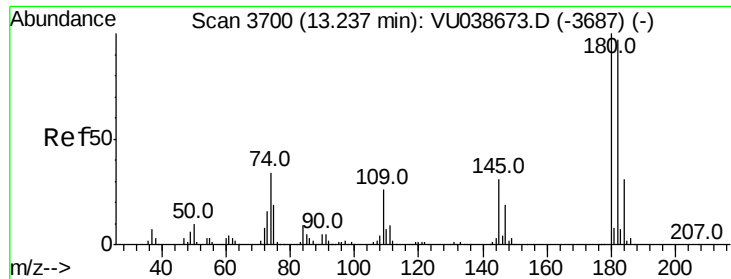


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

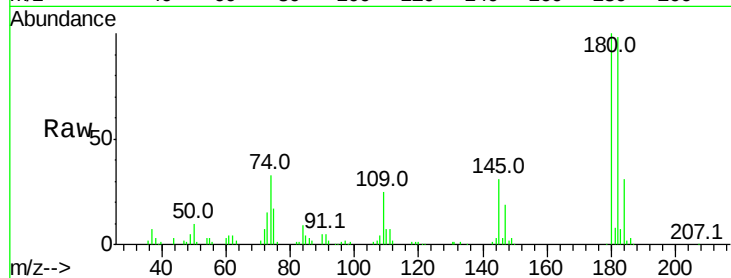




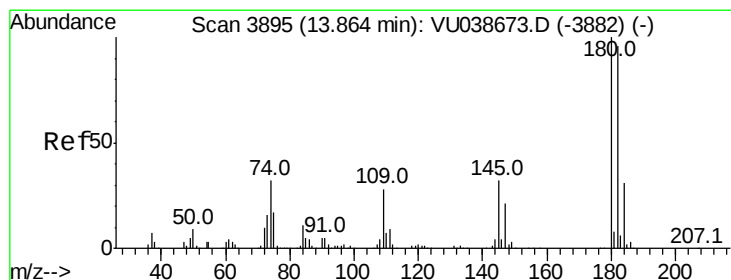
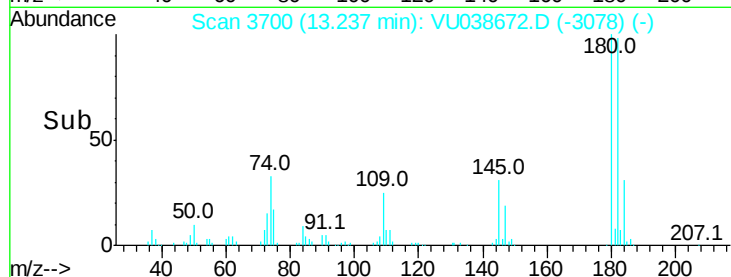
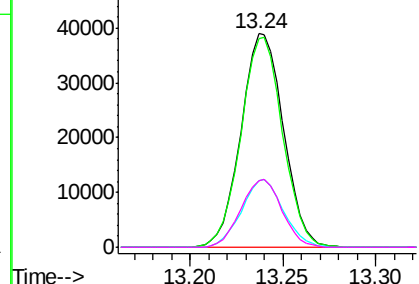
#67
 1,3,5-Trichlorobenzene
 Concen: 10.880 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU038672.D
 Acq: 08 Jun 2020 16:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

Tgt Ion:180 Resp: 61948
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.6 114.8
 184 31.3 24.7 37.1
 145 30.7 24.7 37.1

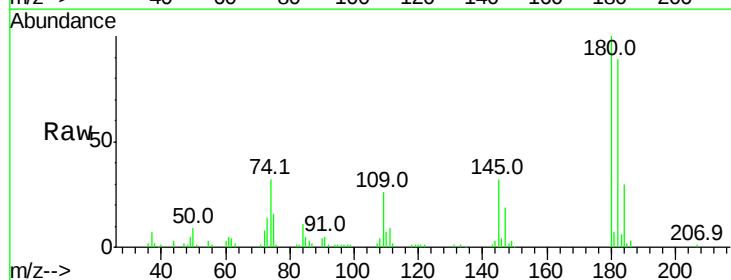


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

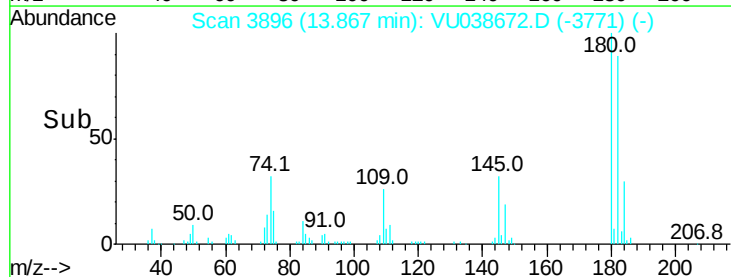
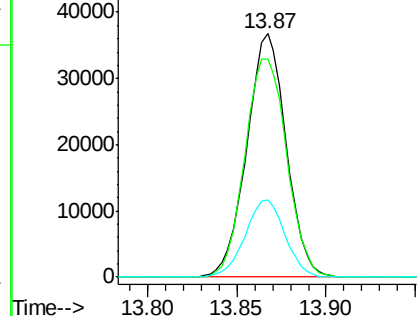


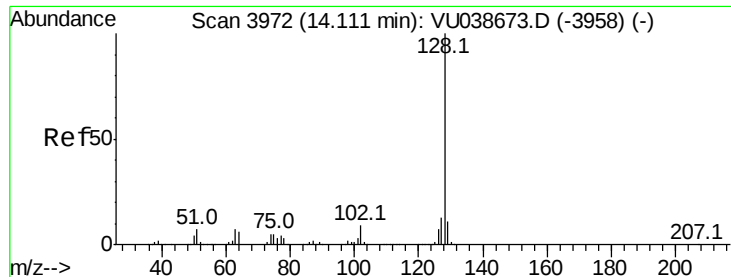
#68
 1,2,4-trichlorobenzene
 Concen: 10.381 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU038672.D
 Acq: 08 Jun 2020 16:16

Tgt Ion:180 Resp: 56690
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.8 115.2
 145 32.0 25.4 38.2



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





#69

Naphthalene

Concen: 9.665 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

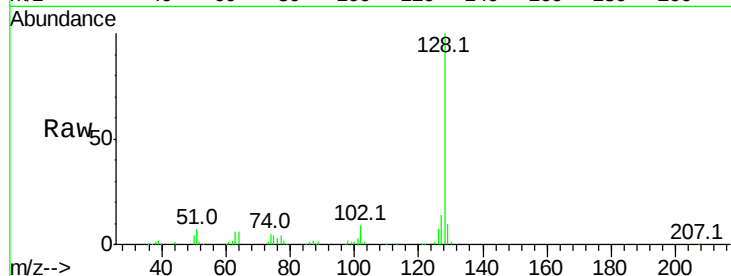
Tgt Ion:128 Resp: 188976

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

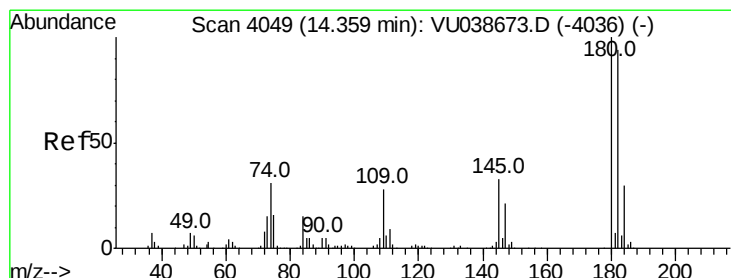
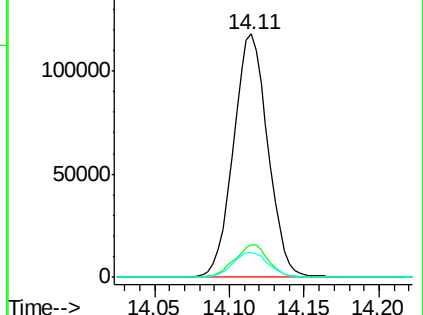
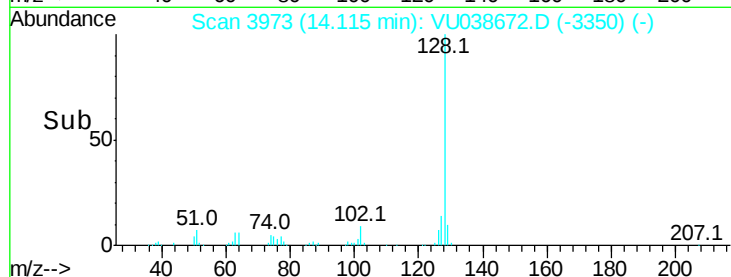
129 10.7 8.6 12.8



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: 10.413 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU038672.D

Acq: 08 Jun 2020 16:16

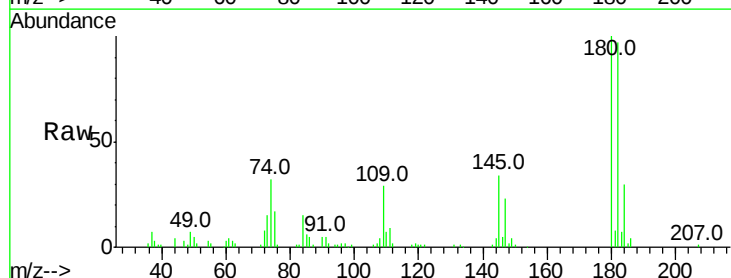
Tgt Ion:180 Resp: 56805

Ion Ratio Lower Upper

180 100

182 96.8 75.9 113.9

145 33.7 26.4 39.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

