

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121220\
 Data File : VU041573.D
 Acq On : 12 Dec 2020 17:28
 Operator : SY/MD
 Sample : VSTD0.501
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Quant Time: Dec 13 09:48:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Dec 13 09:47:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	147707	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	141866	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	71690	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	5506	0.47	ug/L	0.00
7) Chloroethane-d5	1.92	69	4336	0.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	9733	0.45	ug/L	0.00
20) 2-Butanone-d5	4.66	46	13142	3.87	ug/L	0.00
24) Chloroform-d	5.08	84	8884	0.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	5308	0.48	ug/L	0.00
32) Benzene-d6	5.75	84	18124	0.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	5563	0.43	ug/L	0.00
41) Toluene-d8	7.91	98	15904	0.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	2726	0.47	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	12205	3.77	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	5325	0.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	6238	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	5627	0.433 ug/L	96
3) Chloromethane	1.53	50	5719	0.445 ug/L	98
5) Vinyl chloride	1.61	62	6558	0.477 ug/L	98
6) Bromomethane	1.87	94	4017	0.463 ug/L	98
8) Chloroethane	1.94	64	10406	1.125 ug/L	89
9) Trichlorofluoromethane	2.15	101	7652	0.420 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4422	0.419 ug/L	98
12) 1,1-Dichloroethene	2.59	96	4874	0.471 ug/L	92
13) Acetone	2.66	43	10625	4.891 ug/L	82
14) Carbon disulfide	2.81	76	15937	0.440 ug/L	97
15) Methyl Acetate	2.97	43	2456	0.422 ug/L #	67
16) Methylene chloride	3.06	84	6515	0.550 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	11591	0.411 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	4595	0.416 ug/L	85
19) 1,1-Dichloroethane	3.89	63	8977	0.447 ug/L	92
21) 2-Butanone	4.74	43	14032	3.819 ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	5232	0.438 ug/L	89
23) Bromochloromethane	4.99	128	2233	0.400 ug/L	90
25) Chloroform	5.11	83	9227	0.446 ug/L	92
27) 1,2-Dichloroethane	5.81	62	6188	0.445 ug/L #	91
29) 1,1,1-Trichloroethane	5.34	97	7082	0.412 ug/L	96
30) Cyclohexane	5.40	56	7711	0.395 ug/L	99
31) Carbon tetrachloride	5.54	117	6138	0.408 ug/L	87
33) Benzene	5.79	78	20585	0.427 ug/L	100
34) Trichloroethene	6.55	95	4768	0.392 ug/L	99
35) Methylcyclohexane	6.77	83	7744	0.397 ug/L	92
37) 1,2-Dichloropropane	6.80	63	5204	0.435 ug/L #	88
38) Bromodichloromethane	7.11	83	6300	0.414 ug/L #	92
39) cis-1,3-Dichloropropene	7.62	75	7105	0.383 ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	35132	3.899 ug/L	95

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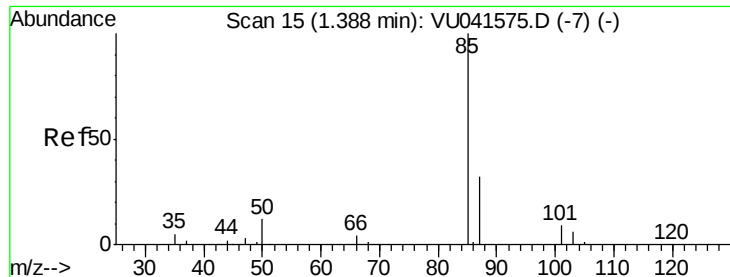
Instrument :
 MSVOA_U
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.97	91	19943	0.392	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	6148	0.370	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	3591	0.375	ug/L	94
47) Tetrachloroethene	8.56	164	3320	0.391	ug/L	91
48) 2-Hexanone	8.69	43	23092	3.497	ug/L	98
49) Dibromochloromethane	8.81	129	4300	0.410	ug/L	94
50) 1,2-Dibromoethane	8.93	107	3947	0.434	ug/L #	94
51) Chlorobenzene	9.45	112	12875	0.414	ug/L	97
52) Ethylbenzene	9.57	91	20505	0.375	ug/L	96
53) m,p-Xylene	9.69	106	7013	0.330	ug/L	91
54) o-Xylene	10.10	106	7322	0.364	ug/L	99
55) Styrene	10.11	104	11480	0.327	ug/L	96
56) Isopropylbenzene	10.48	105	19013	0.361	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	5124	0.410	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	3830	0.417	ug/L	91
61) Bromoform	10.29	173	2263	0.383	ug/L	95
62) 1,3-Dichlorobenzene	11.74	146	10039	0.433	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	9915	0.420	ug/L	89
65) 1,2-Dichlorobenzene	12.21	146	10002	0.449	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	1018	0.468	ug/L #	70
67) 1,3,5-Trichlorobenzene	13.21	180	7382	0.416	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	6000	0.367	ug/L	95
69) Naphthalene	14.07	128	12059	0.372	ug/L	97
70) 1,2,3-Trichlorobenzene	14.32	180	6130	0.402	ug/L	93

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



#2

Dichlorodifluoromethane

Concen: 0.433 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

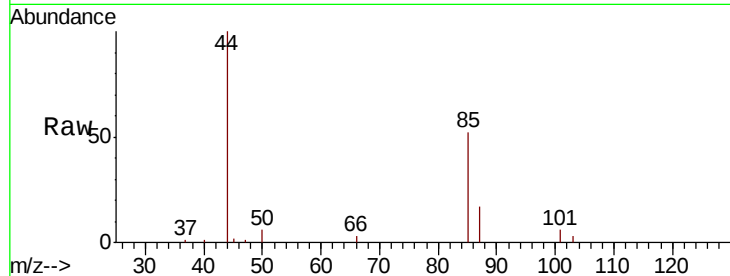
VSTD0.501

Tot Ion: 85 Resp: 5627

Ion Ratio Lower Upper

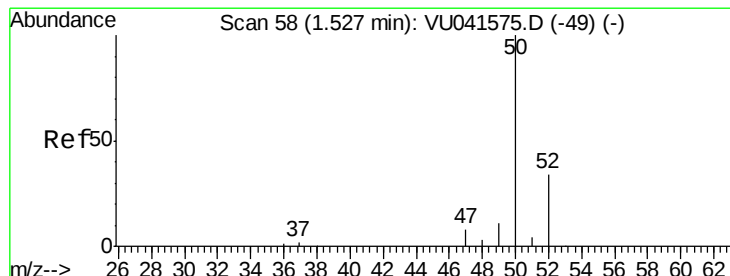
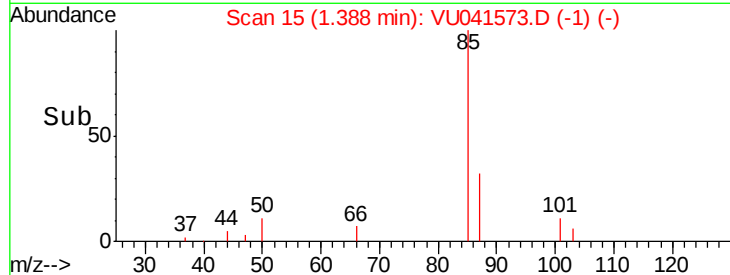
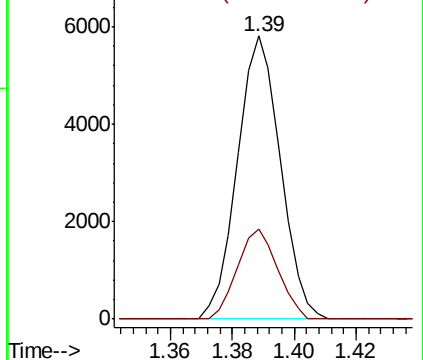
85 100

87 29.8 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: 0.445 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041573.D

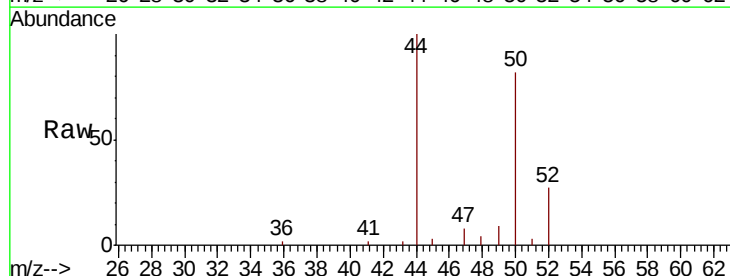
Acq: 12 Dec 2020 17:28

Tgt Ion: 50 Resp: 5719

Ion Ratio Lower Upper

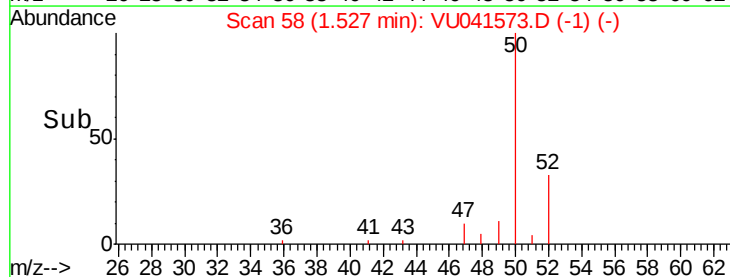
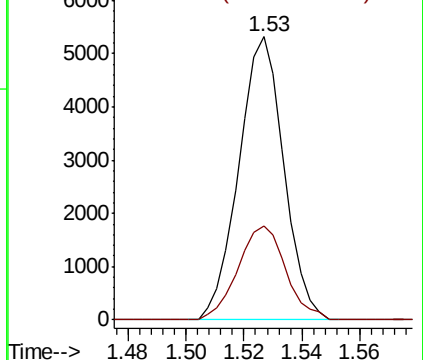
50 100

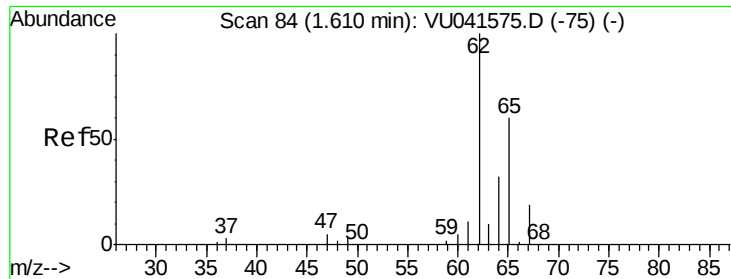
52 33.1 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.477 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

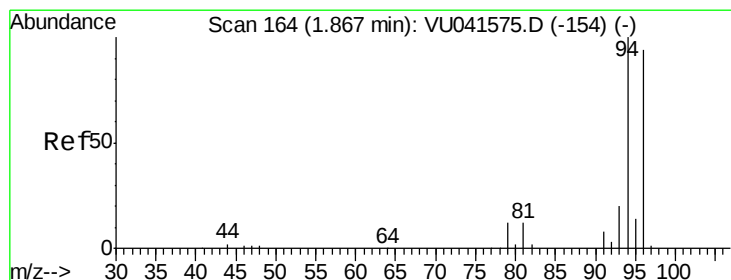
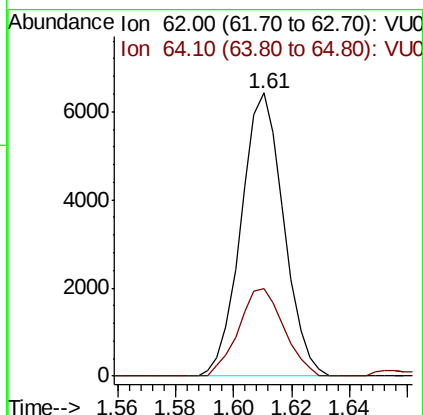
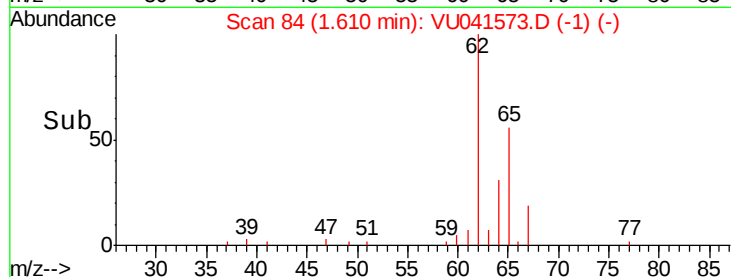
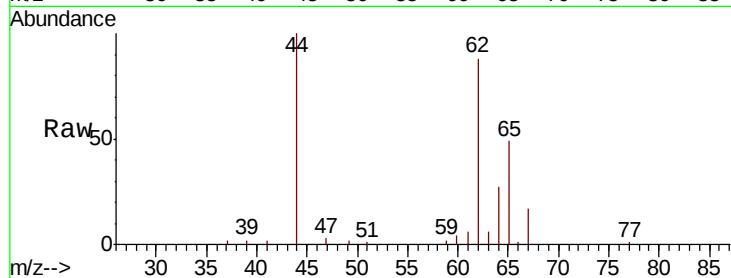
VSTD0.501

Tot Ion: 62 Resp: 6558

Ion Ratio Lower Upper

62 100

64 31.0 22.5 41.7



#6

Bromomethane

Concen: 0.463 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041573.D

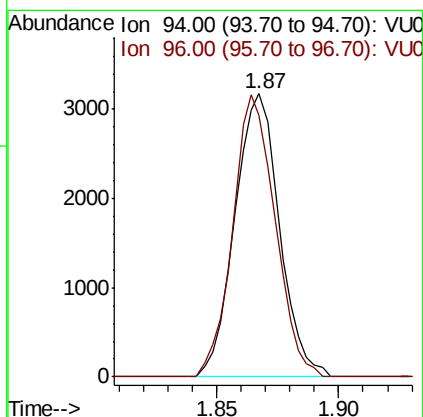
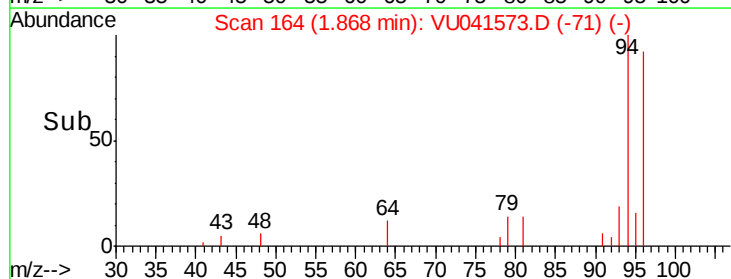
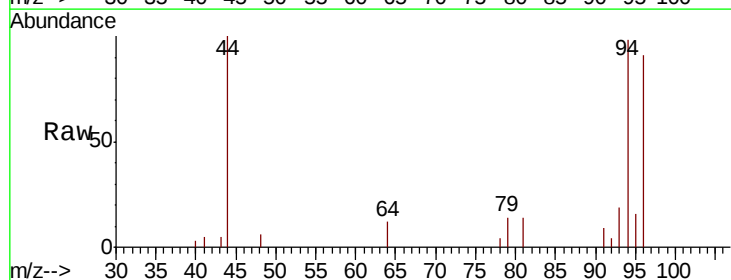
Acq: 12 Dec 2020 17:28

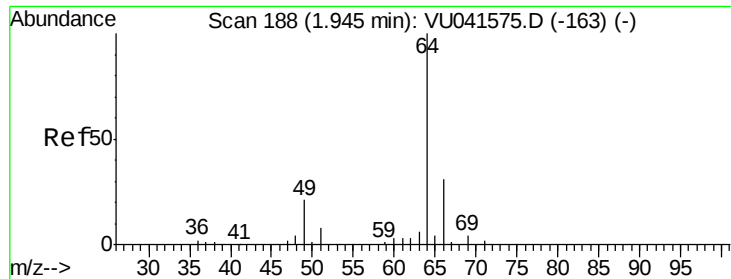
Tgt Ion: 94 Resp: 4017

Ion Ratio Lower Upper

94 100

96 92.2 65.7 121.9

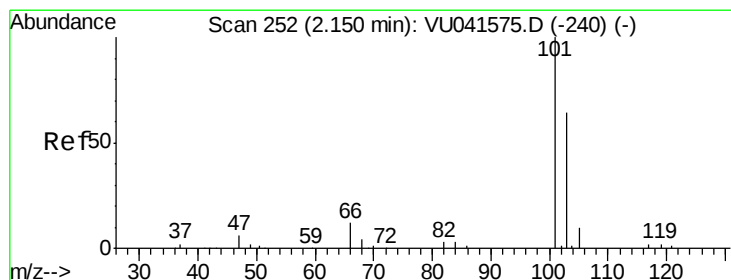
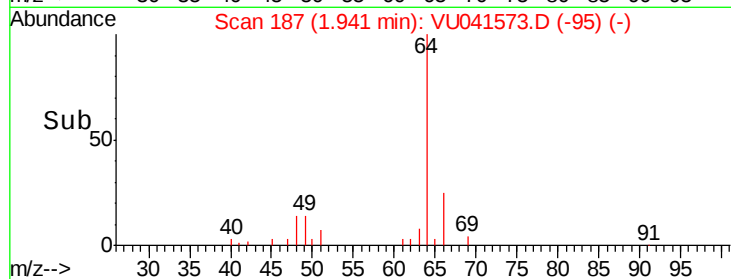
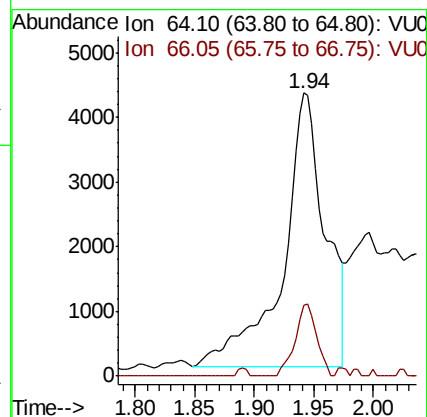
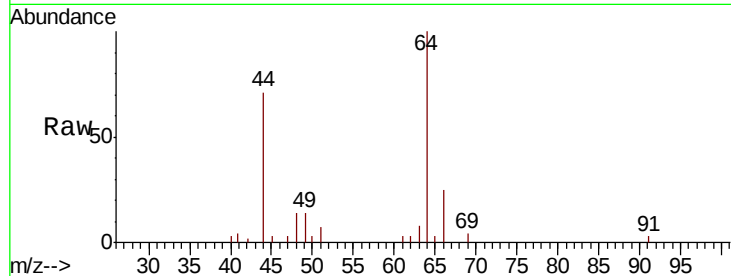




#8
Chloroethane
Concen: 1.125 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU041573.D
Acq: 12 Dec 2020 17:28

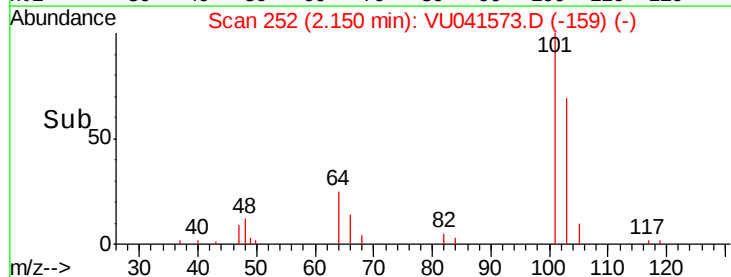
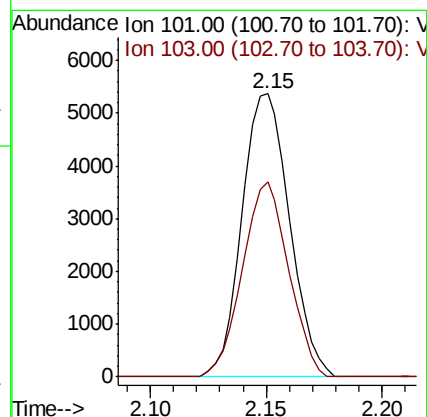
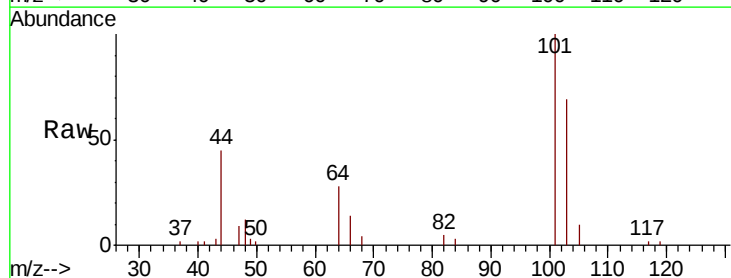
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

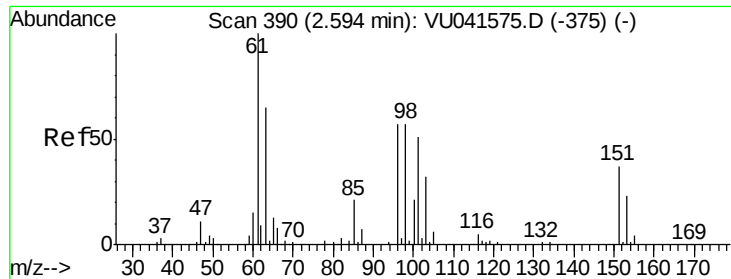
Tot Ion: 64 Resp: 10406
Ion Ratio Lower Upper
64 100
66 24.8 21.6 40.0



#9
Trichlorofluoromethane
Concen: 0.420 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU041573.D
Acq: 12 Dec 2020 17:28

Tgt Ion: 101 Resp: 7652
Ion Ratio Lower Upper
101 100
103 66.8 51.1 76.7





#10

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

Concen: 0.419 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

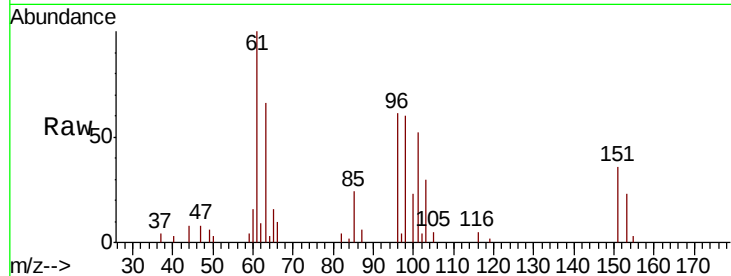
Tot Ion:101 Resp: 4422

Ion Ratio Lower Upper

101 100

85 43.2 33.6 50.4

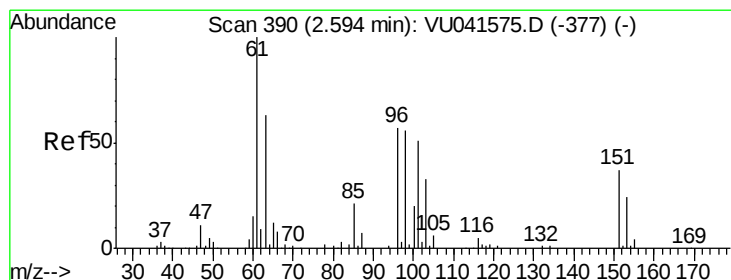
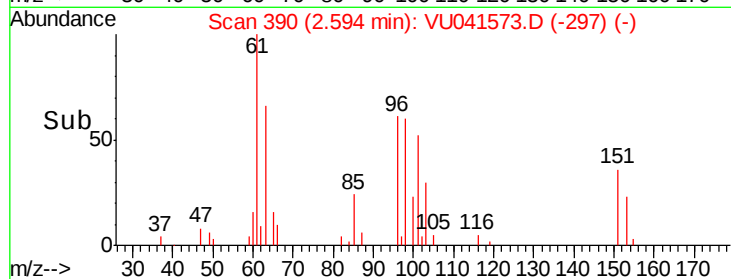
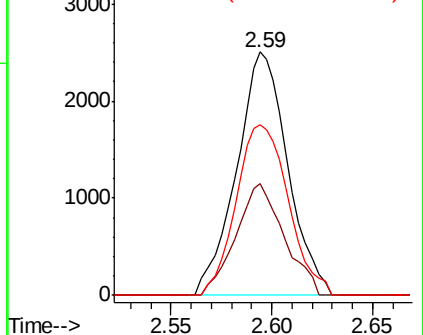
151 71.9 56.2 84.4



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: 0.471 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

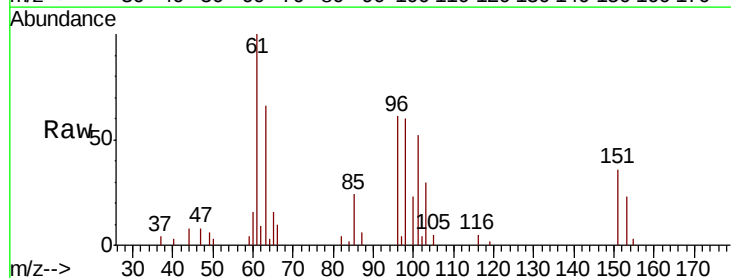
Tgt Ion: 96 Resp: 4874

Ion Ratio Lower Upper

96 100

61 163.9 123.8 230.0

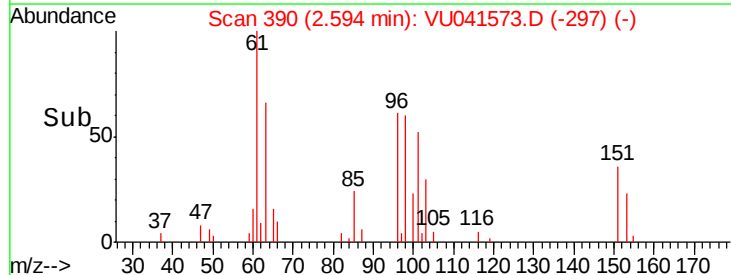
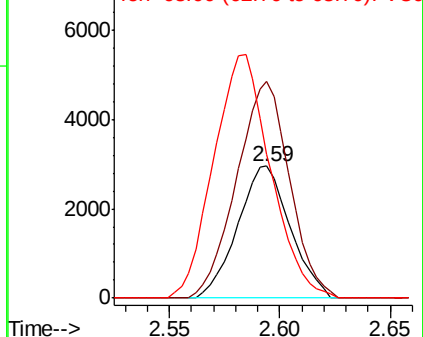
63 108.8 81.0 150.4

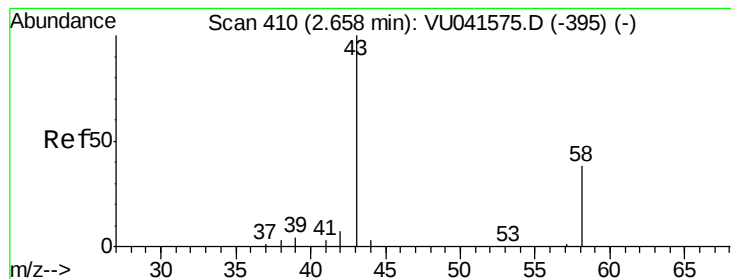


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.891 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

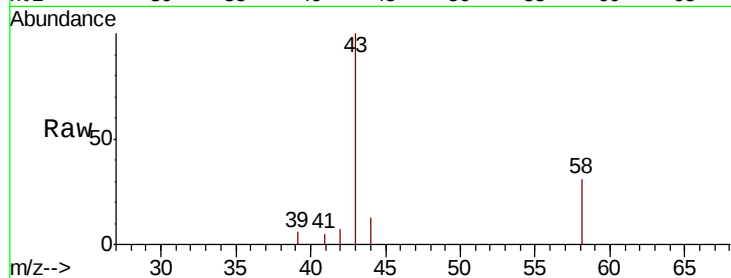
VSTD0.501

Tot Ion: 43 Resp: 10625

Ion Ratio Lower Upper

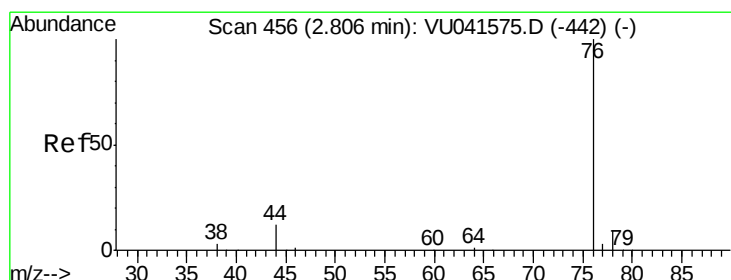
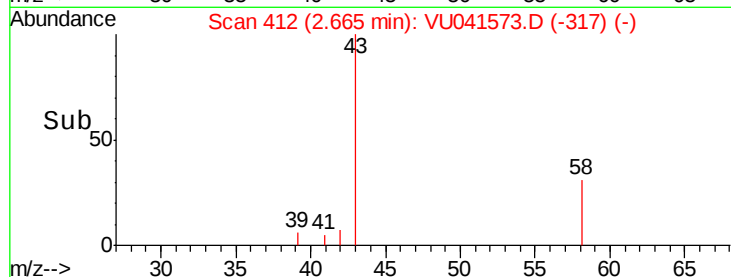
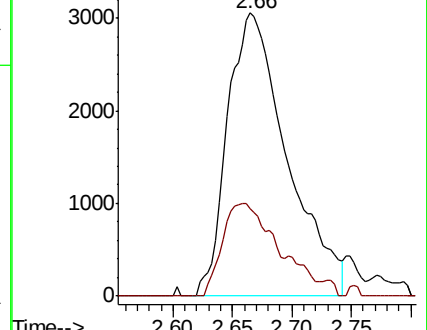
43 100

58 26.0 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041575.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041575.D (-395) (-)



#14

Carbon disulfide

Concen: 0.440 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041573.D

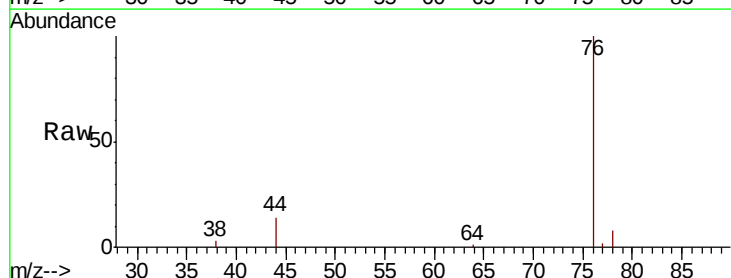
Acq: 12 Dec 2020 17:28

Tgt Ion: 76 Resp: 15937

Ion Ratio Lower Upper

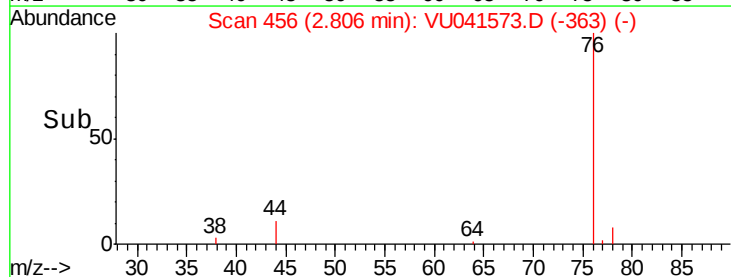
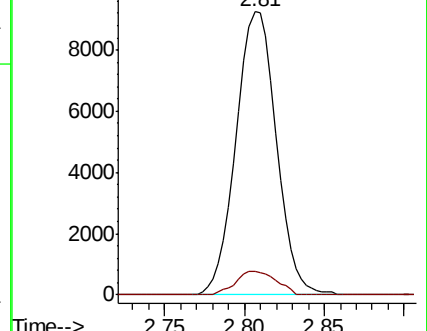
76 100

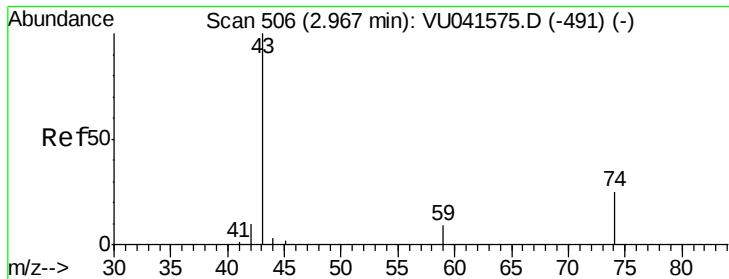
78 8.1 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU041575.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU041575.D (-442) (-)





#15

Methyl Acetate

Concen: 0.422 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

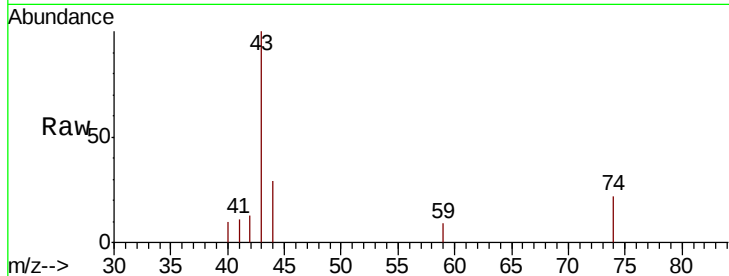
VSTD0.501

Tot Ion: 43 Resp: 2456

Ion Ratio Lower Upper

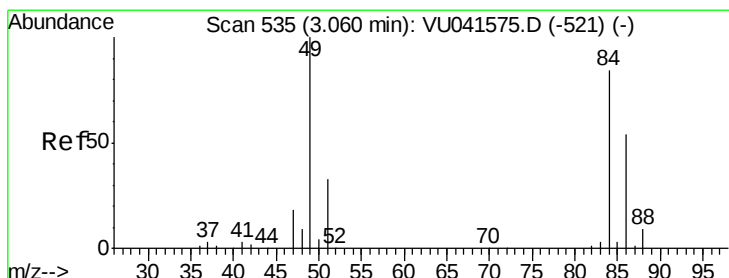
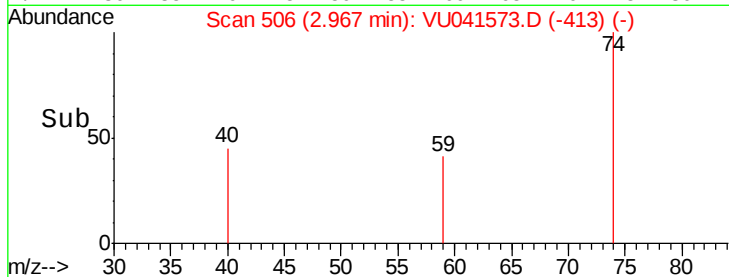
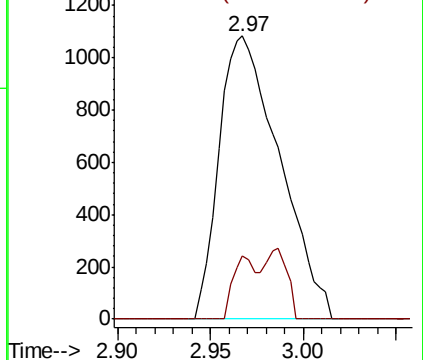
43 100

74 7.7 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.550 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

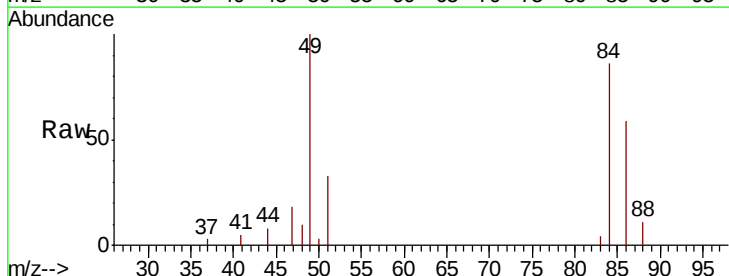
Tgt Ion: 84 Resp: 6515

Ion Ratio Lower Upper

84 100

86 68.9 45.1 83.7

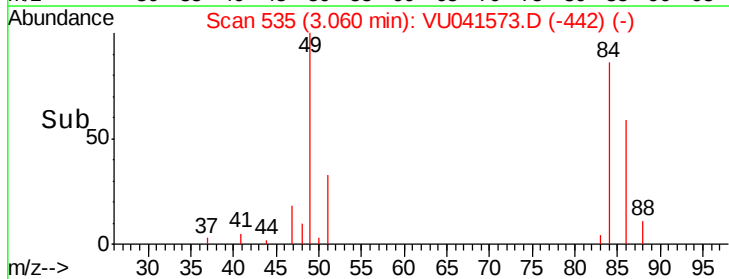
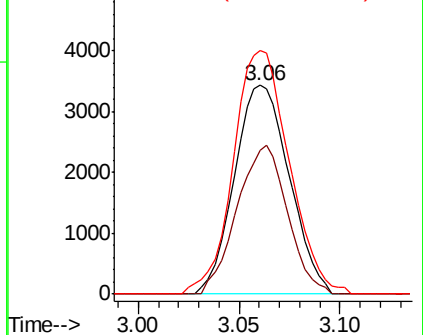
49 116.6 83.1 154.3

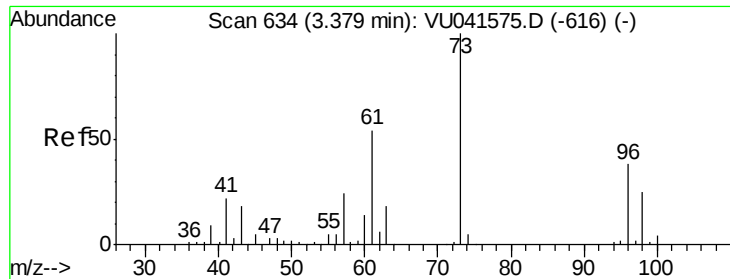


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



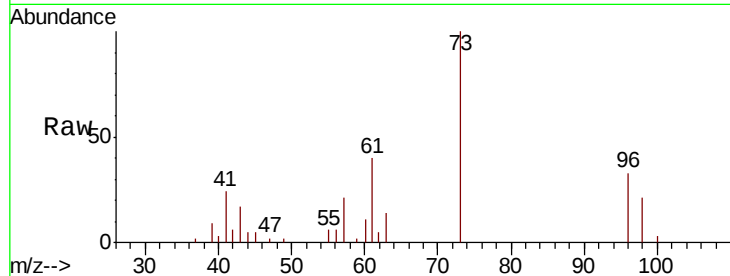


#17

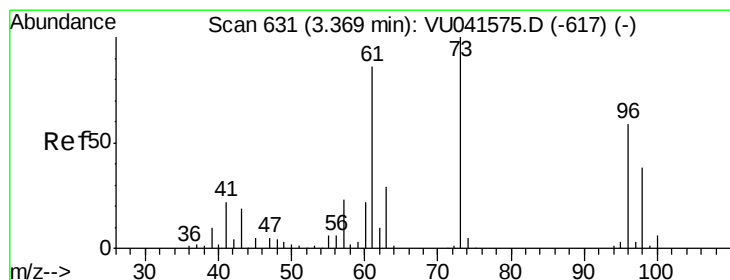
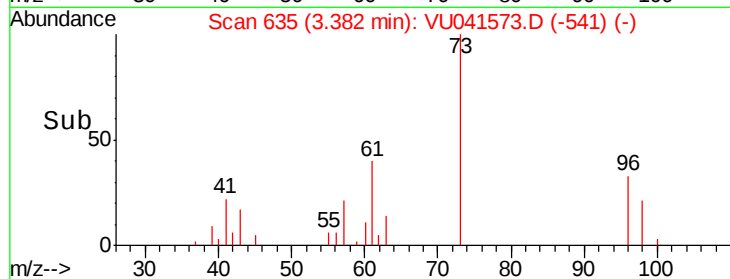
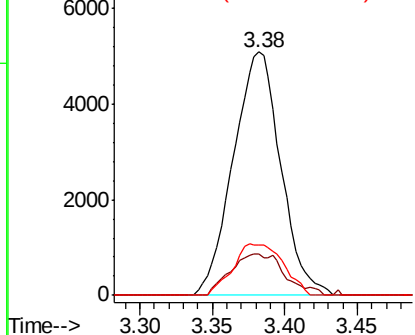
Methvl tert-butvl Ether
 Concen: 0.411 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tot Ion: 73 Resp: 11591
 Ion Ratio Lower Upper
 73 100
 43 19.4 14.7 22.1
 57 22.3 18.2 27.4



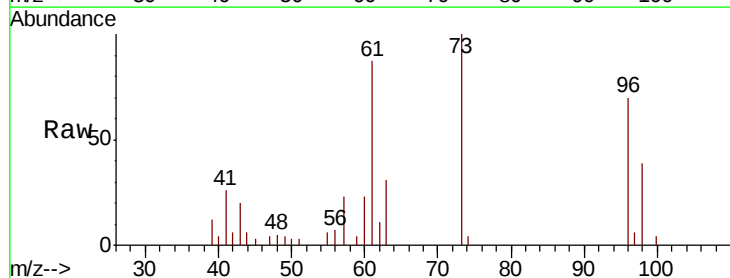
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



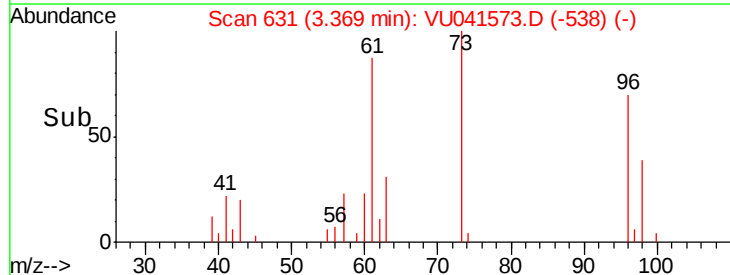
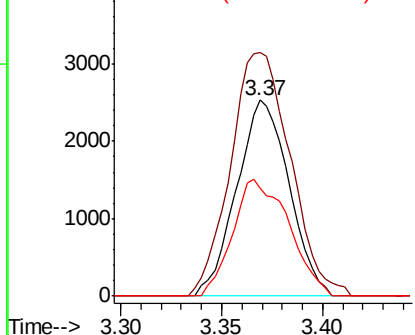
#18

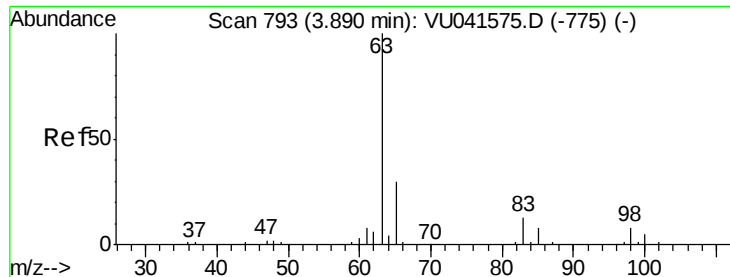
trans-1,2-Dichloroethene
 Concen: 0.416 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

Tgt Ion: 96 Resp: 4595
 Ion Ratio Lower Upper
 96 100
 61 124.1 101.8 189.0
 98 55.1 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

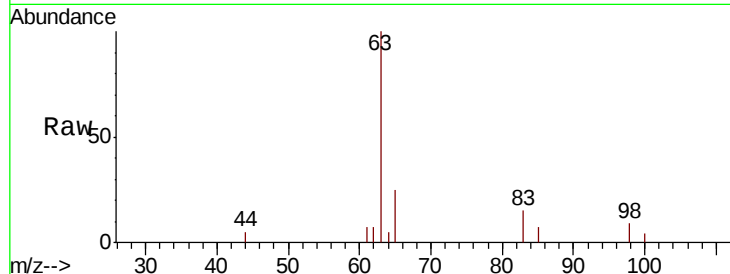




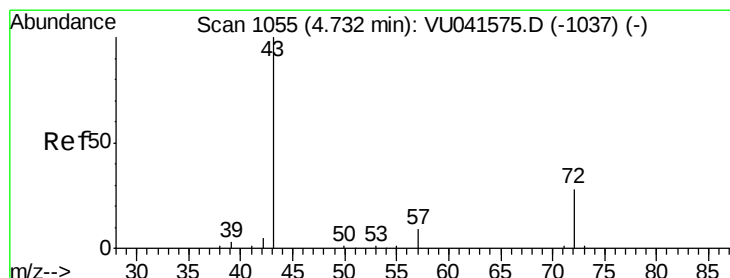
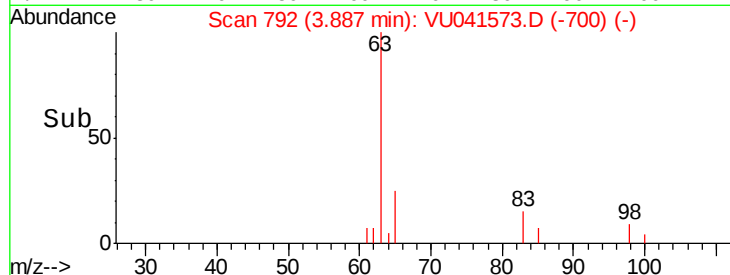
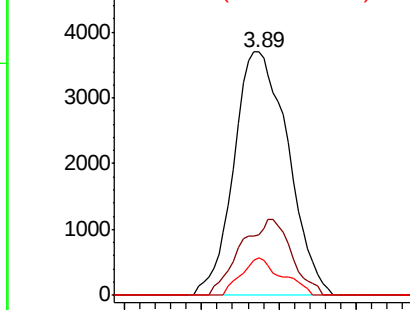
#19
 1,1-Dichloroethane
 Concen: 0.447 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tot Ion: 63 Resp: 8977
 Ion Ratio Lower Upper
 63 100
 65 25.0 21.3 39.6
 83 15.2 9.3 17.3

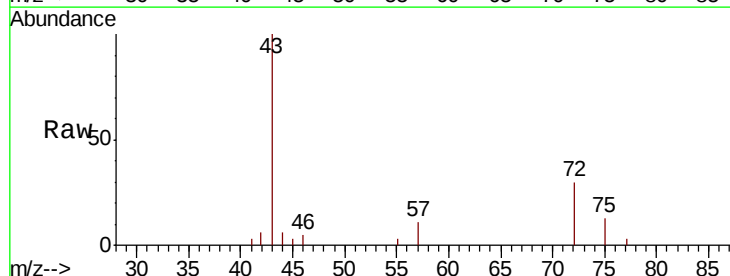


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

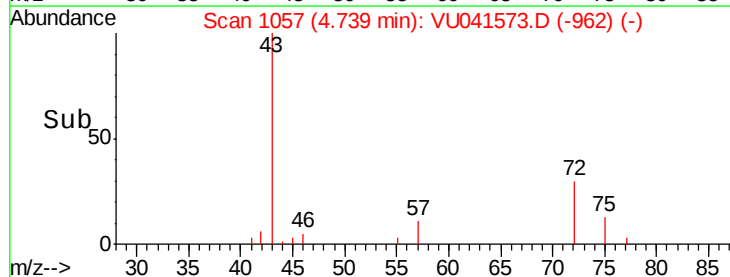
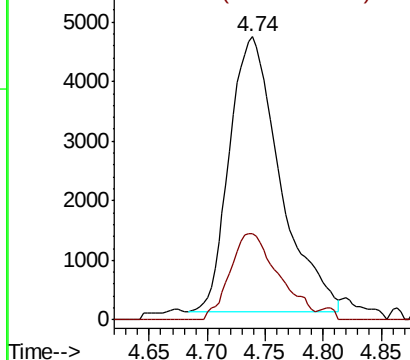


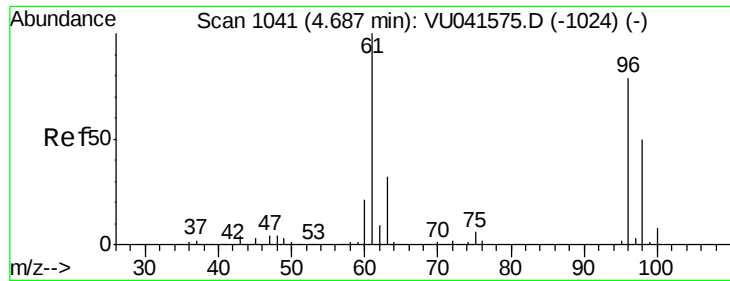
#21
 2-Butanone
 Concen: 3.819 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

Tgt Ion: 43 Resp: 14032
 Ion Ratio Lower Upper
 43 100
 72 30.1 14.6 44.0



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.438 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

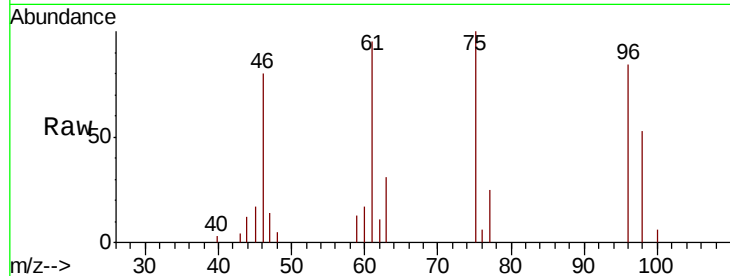
Tot Ion: 96 Resp: 5232

Ion Ratio Lower Upper

96 100

61 114.1 88.8 165.0

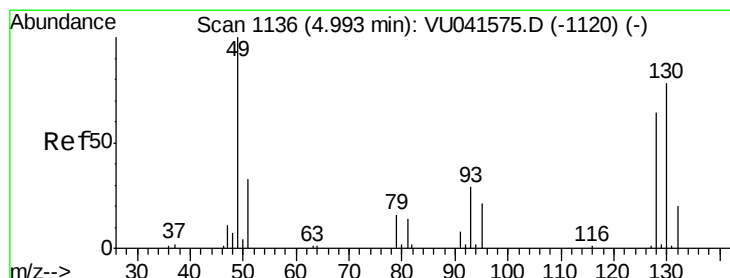
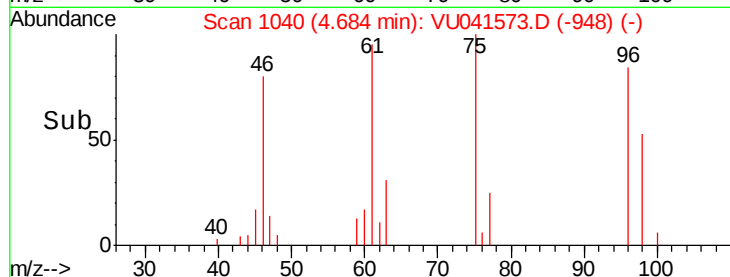
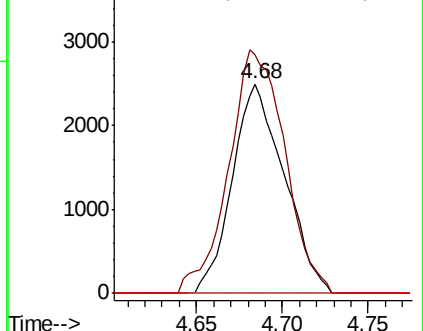
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 0.400 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

Tgt Ion:128 Resp: 2233

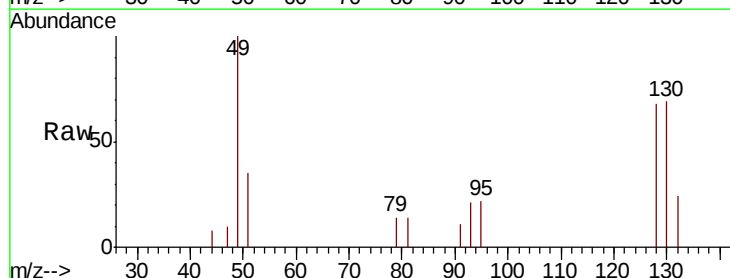
Ion Ratio Lower Upper

128 100

49 147.9 109.3 203.1

130 101.8 84.8 157.6

51 51.6 40.6 61.0

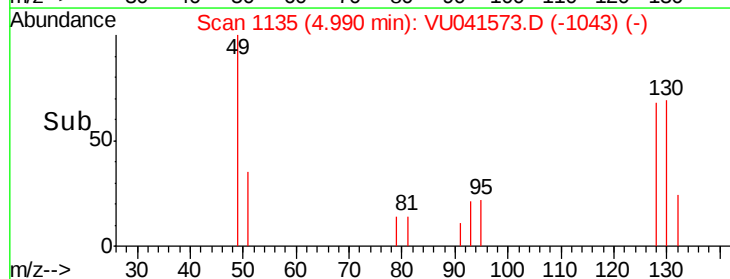
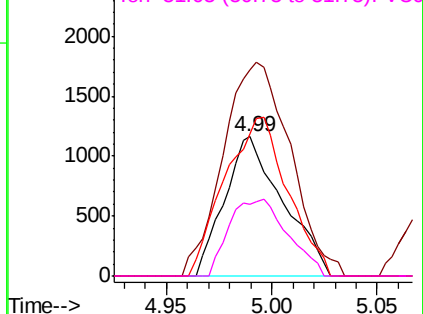


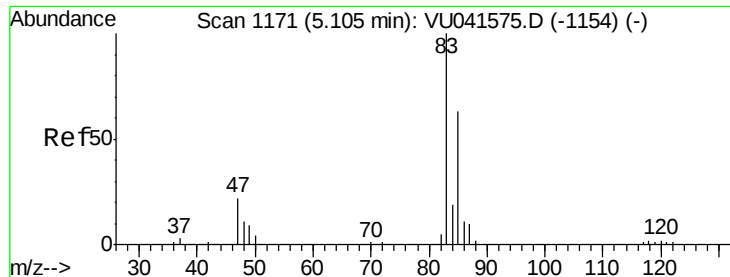
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

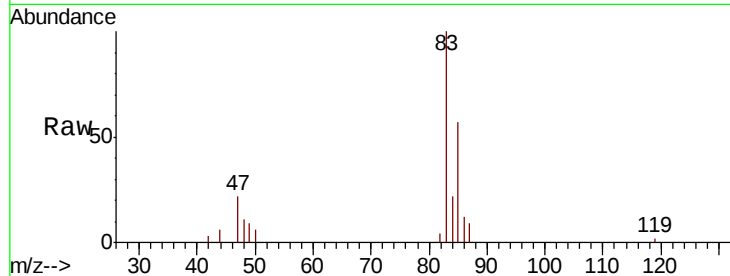




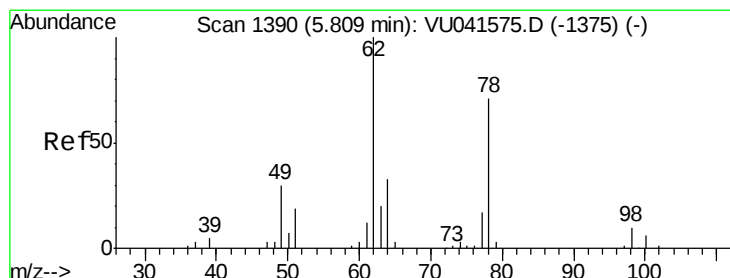
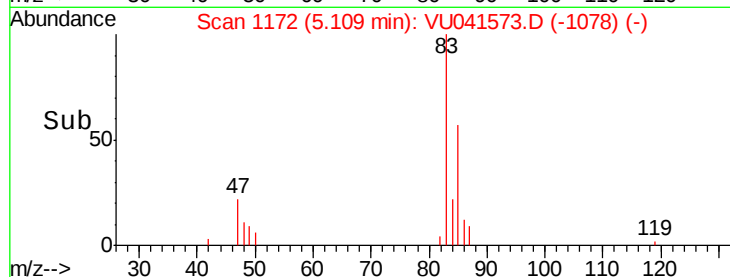
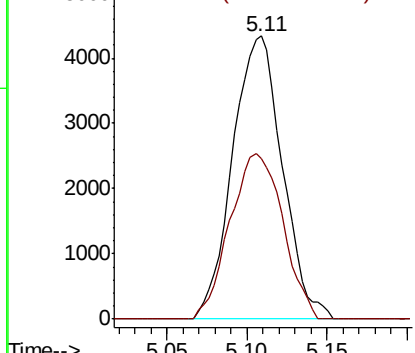
#25
Chloroform
Concen: 0.446 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041573.D
Acq: 12 Dec 2020 17:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

Tot Ion: 83 Resp: 9227
Ion Ratio Lower Upper
83 100
85 56.6 44.2 82.0

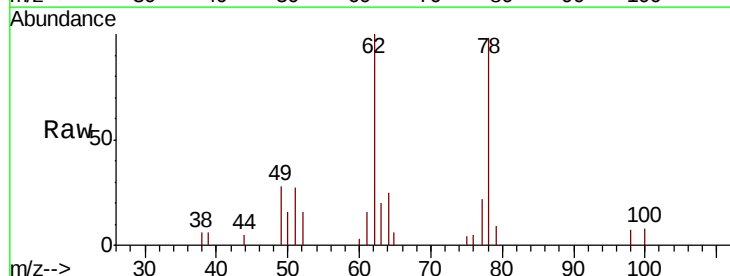


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

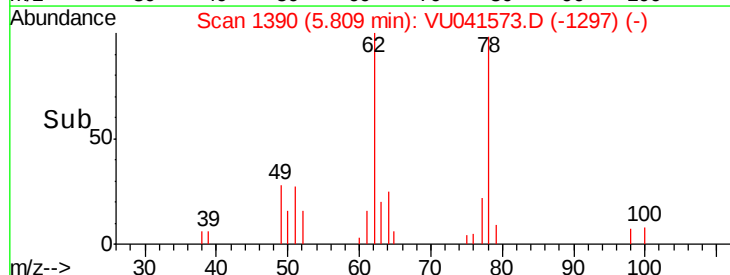
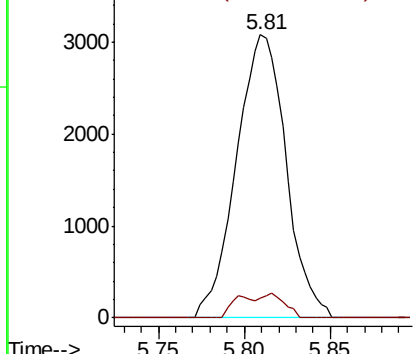


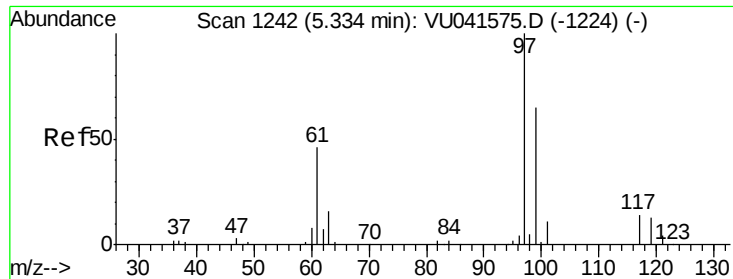
#27
1,2-Dichloroethane
Concen: 0.445 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041573.D
Acq: 12 Dec 2020 17:28

Tgt Ion: 62 Resp: 6188
Ion Ratio Lower Upper
62 100
98 6.8 8.2 12.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0

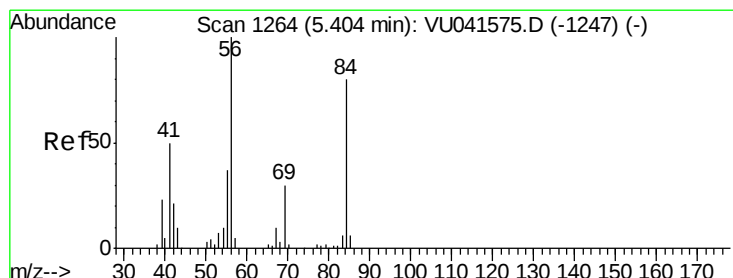
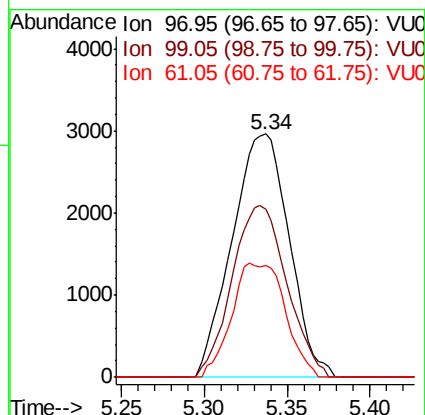
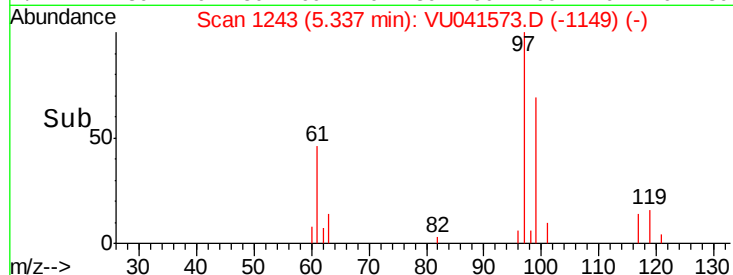
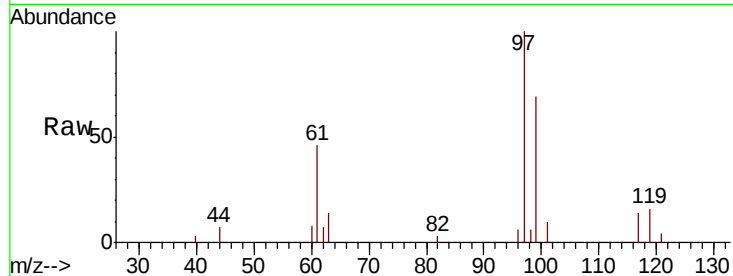




#29
 1,1,1-Trichloroethane
 Concen: 0.412 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

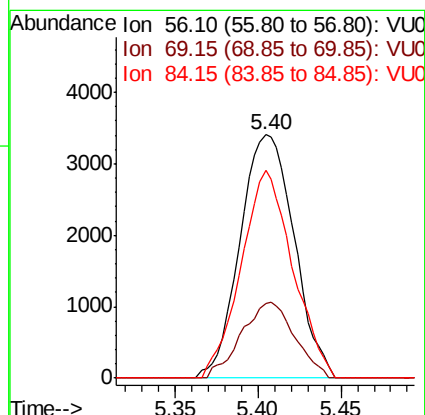
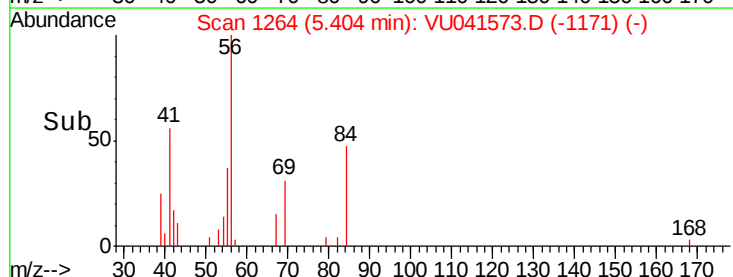
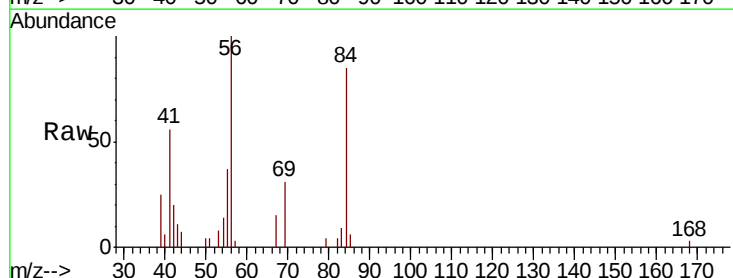
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

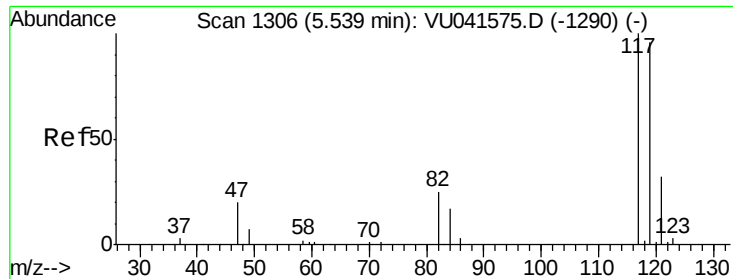
Tot Ion: 97 Resp: 7082
 Ion Ratio Lower Upper
 97 100
 99 67.8 51.3 76.9
 61 43.9 36.5 54.7



#30
 Cyclohexane
 Concen: 0.395 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

Tgt Ion: 56 Resp: 7711
 Ion Ratio Lower Upper
 56 100
 69 30.8 23.8 35.8
 84 81.6 66.2 99.4





#31

Carbon tetrachloride

Concen: 0.408 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

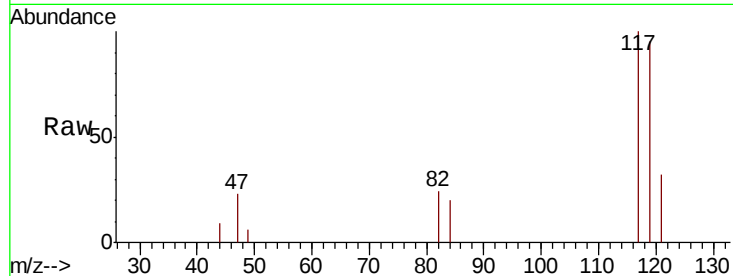
VSTD0.501

Tot Ion:117 Resp: 6138

Ion Ratio Lower Upper

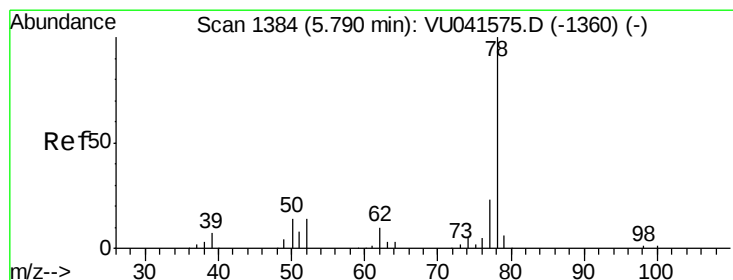
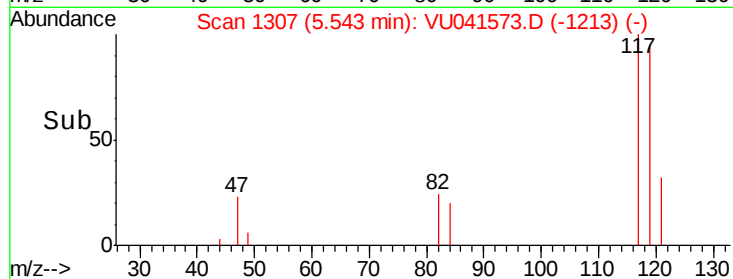
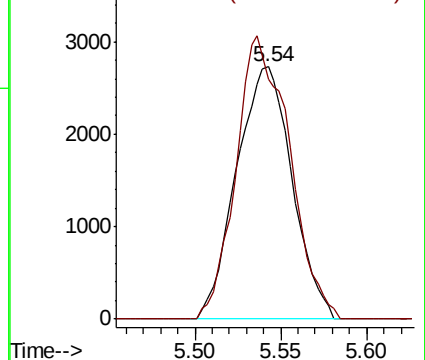
117 100

119 107.7 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.427 ug/L

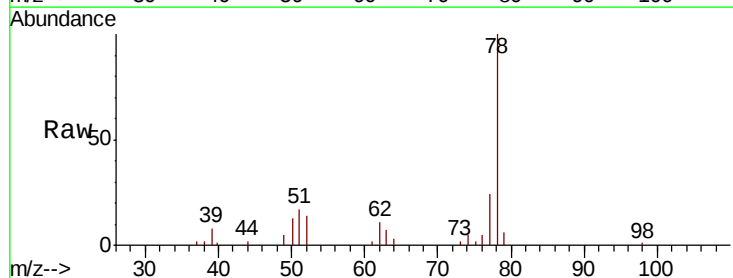
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

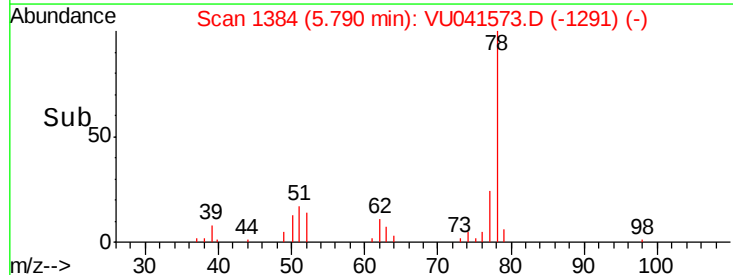
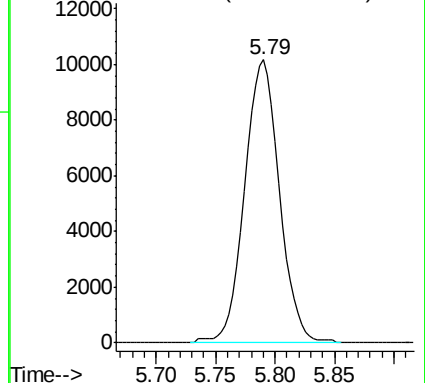
Lab File: VU041573.D

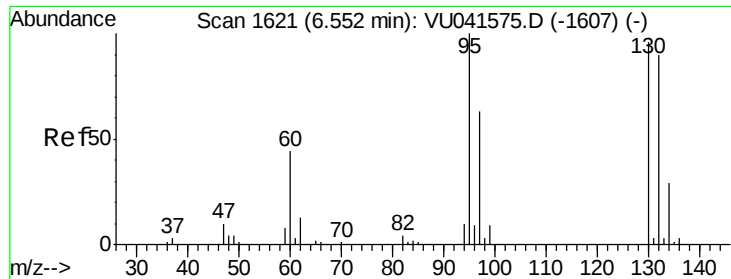
Acq: 12 Dec 2020 17:28

Tgt Ion: 78 Resp: 20585



Abundance Ion 78.10 (77.80 to 78.80): VU0

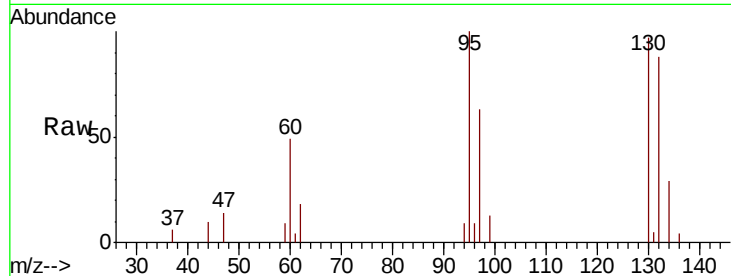




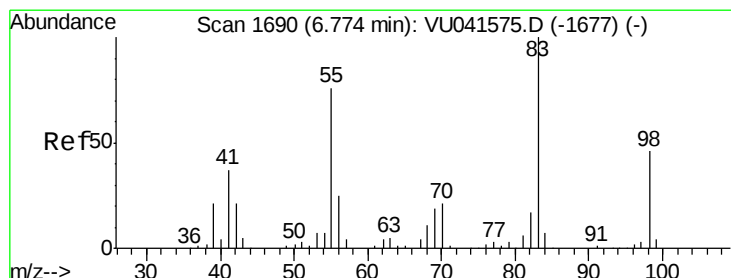
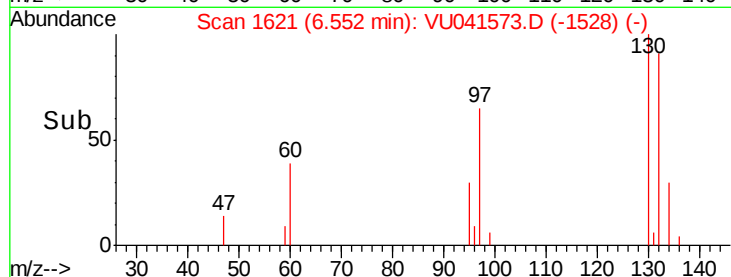
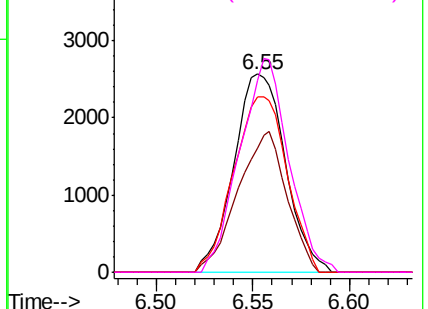
#34
 Trichloroethene
 Concen: 0.392 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tot Ion: 95 Resp: 4768
 Ion Ratio Lower Upper
 95 100
 97 62.9 43.9 81.5
 132 88.2 63.1 117.3
 130 97.0 67.4 125.2

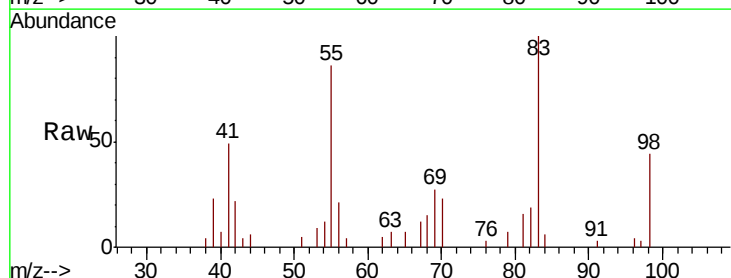


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

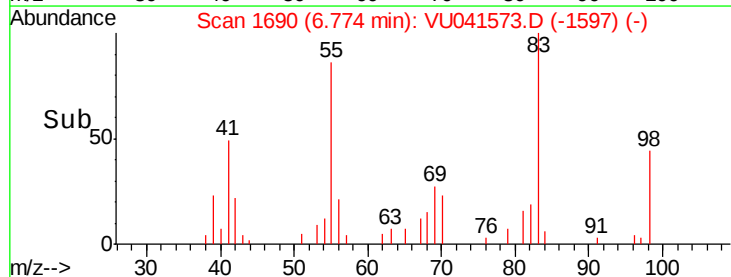
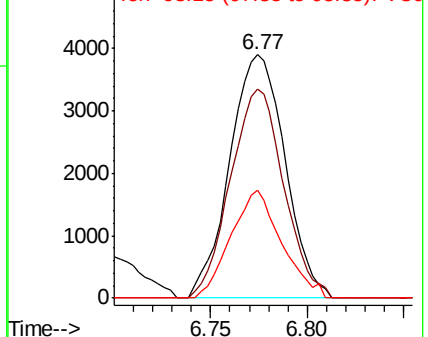


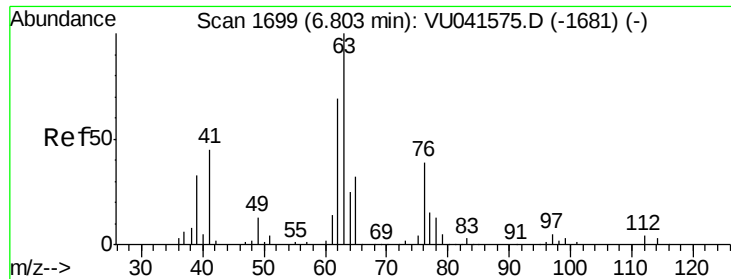
#35
 Methylcyclohexane
 Concen: 0.397 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

Tgt Ion: 83 Resp: 7744
 Ion Ratio Lower Upper
 83 100
 55 82.9 61.2 91.8
 98 40.6 36.6 54.8



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.435 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

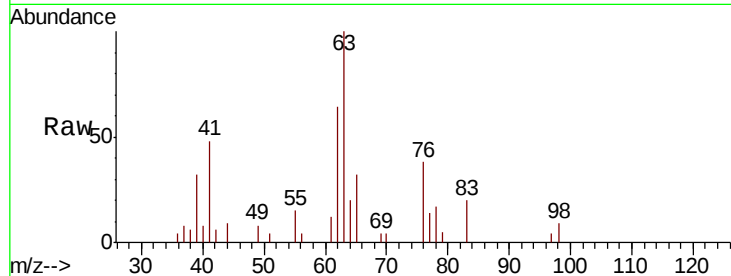
VSTD0.501

Tot Ion: 63 Resp: 5204

Ion Ratio Lower Upper

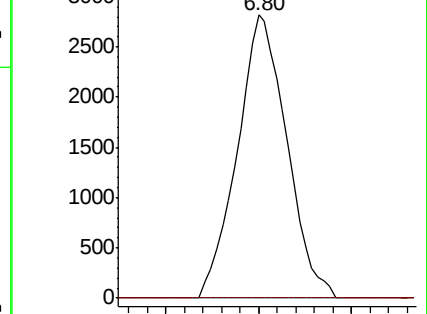
63 100

112 0.0 3.1 4.7#

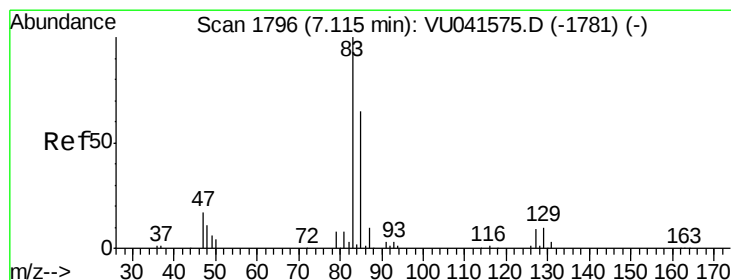
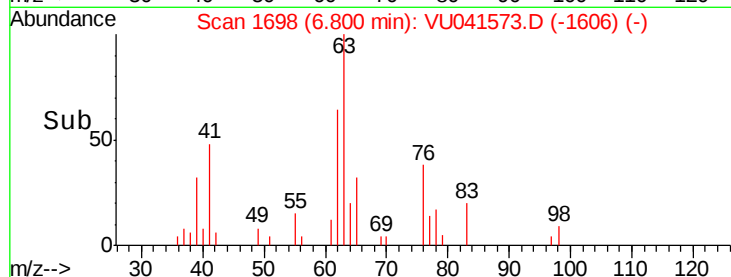


Abundance Ion 63.10 (62.80 to 63.80): VU041573.D (-1606) (-)

Ion 112.10 (111.80 to 112.80): VU041573.D (-1606) (-)



Time-->



#38

Bromodichloromethane

Concen: 0.414 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

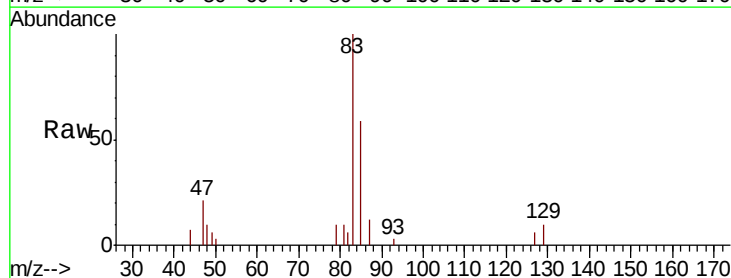
Tgt Ion: 83 Resp: 6300

Ion Ratio Lower Upper

83 100

85 59.1 45.5 84.5

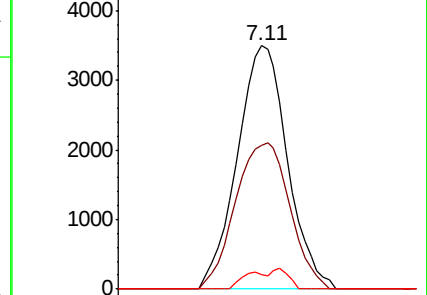
127 6.0 7.0 10.6#



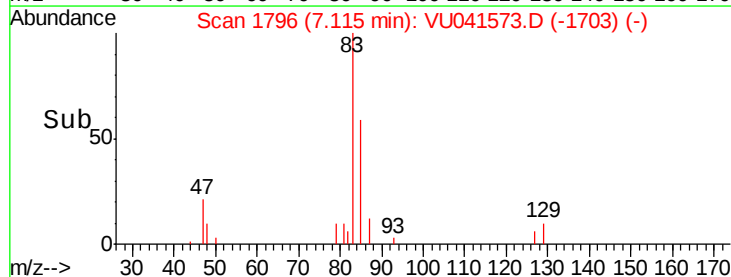
Abundance Ion 82.95 (82.65 to 83.65): VU041573.D (-1703) (-)

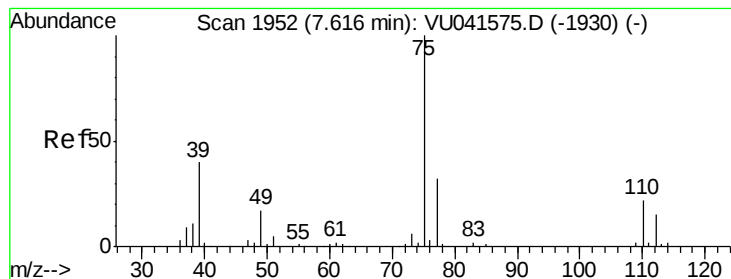
Ion 85.00 (84.70 to 85.70): VU041573.D (-1703) (-)

Ion 126.90 (126.60 to 127.60): VU041573.D (-1703) (-)



Time-->



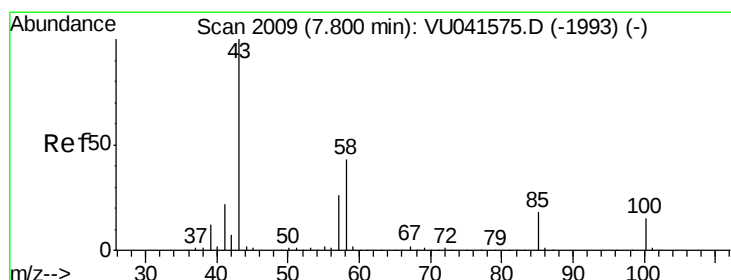
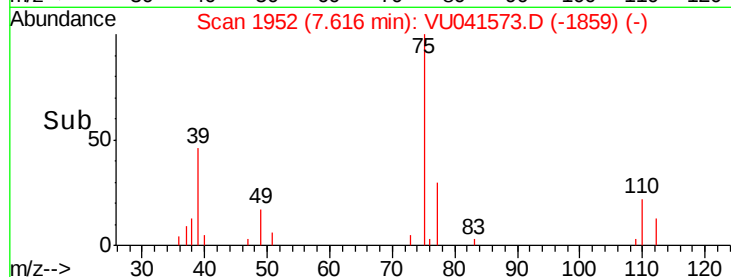
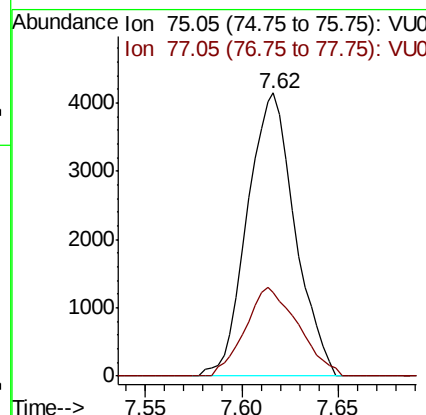
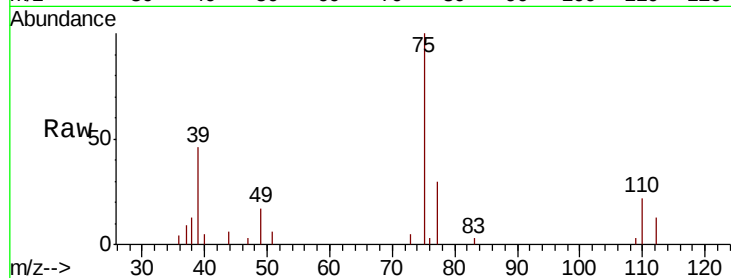


#39

cis-1,3-Dichloropropene
 Concen: 0.383 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

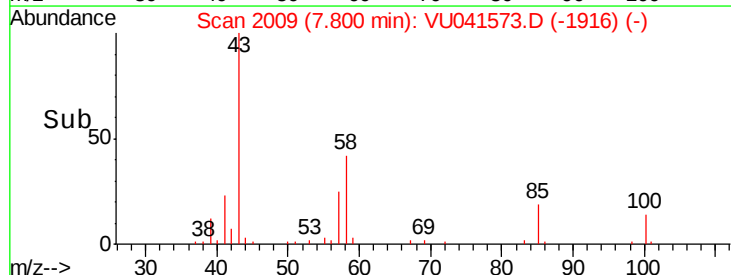
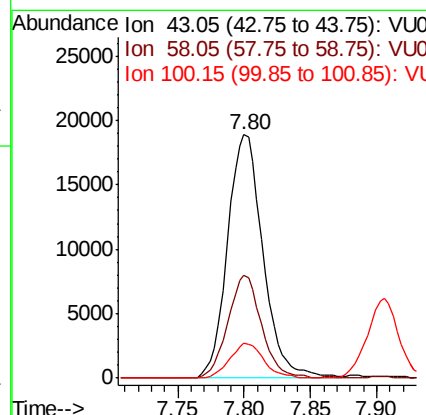
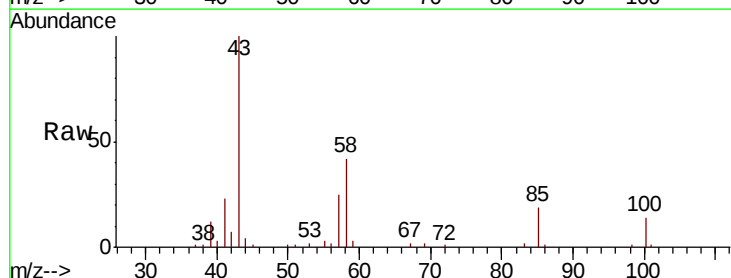
Tot Ion: 75 Resp: 7105
 Ion Ratio Lower Upper
 75 100
 77 29.6 22.3 41.3

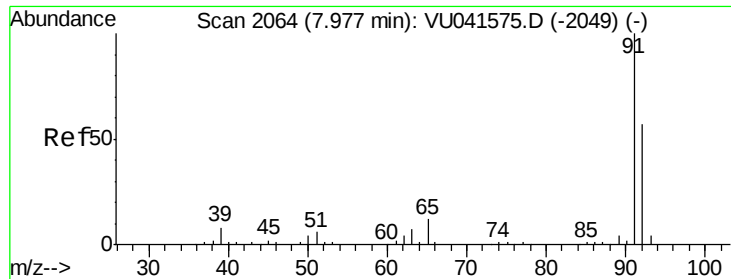


#40

4-Methyl-2-pentanone
 Concen: 3.899 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

Tgt Ion: 43 Resp: 35132
 Ion Ratio Lower Upper
 43 100
 58 39.8 34.2 51.2
 100 13.5 12.3 18.5





#42

Toluene

Concen: 0.392 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

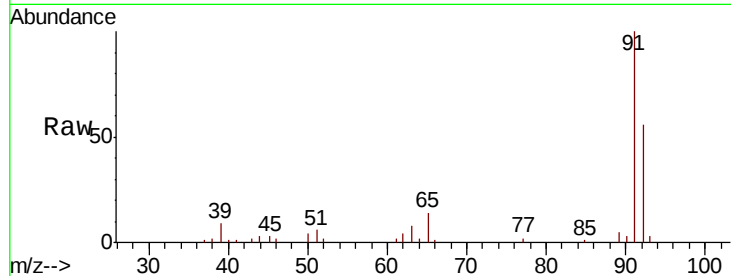
VSTD0.501

Tot Ion: 91 Resp: 19943

Ion Ratio Lower Upper

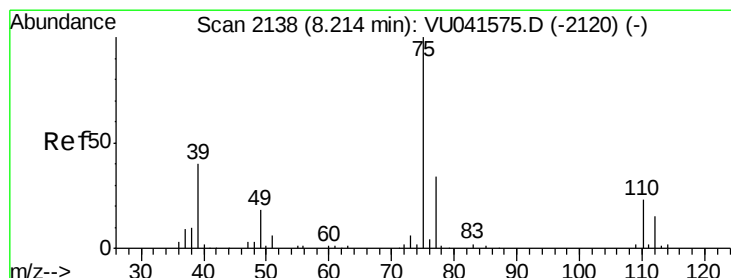
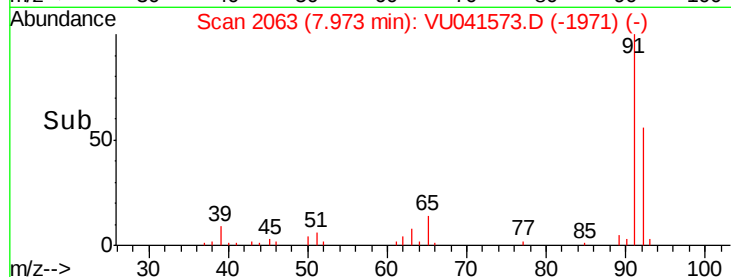
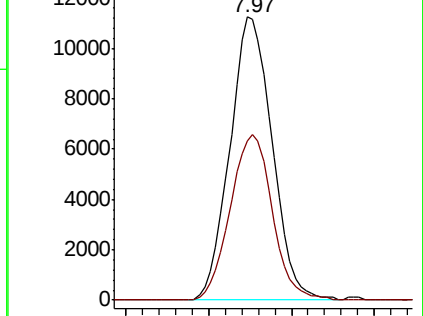
91 100

92 56.1 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.370 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041573.D

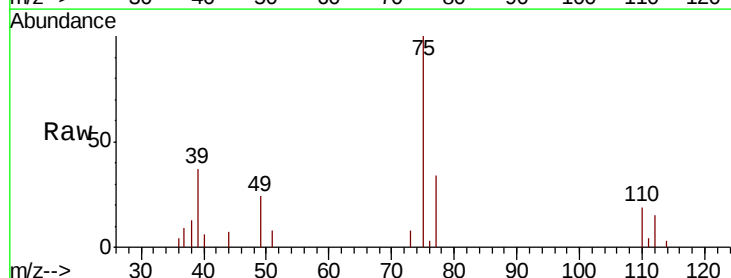
Acq: 12 Dec 2020 17:28

Tgt Ion: 75 Resp: 6148

Ion Ratio Lower Upper

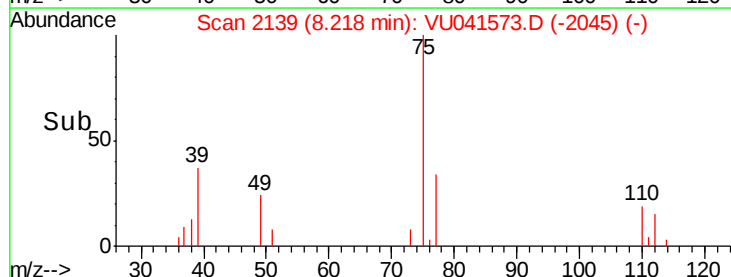
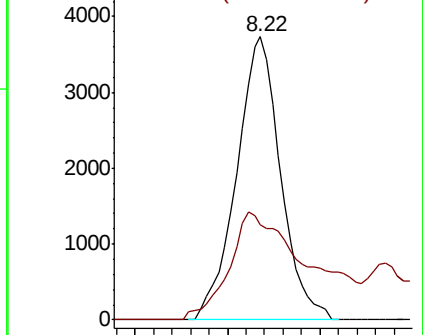
75 100

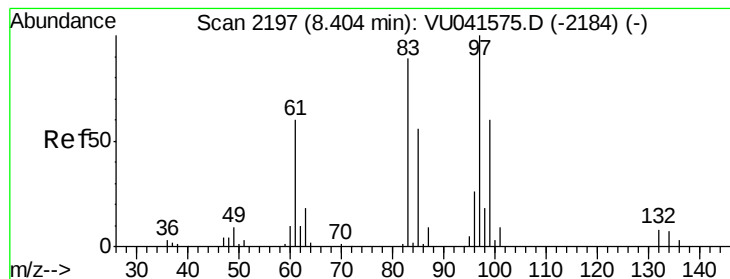
77 33.8 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 0.375 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

Tot Ion: 97 Resp: 3591

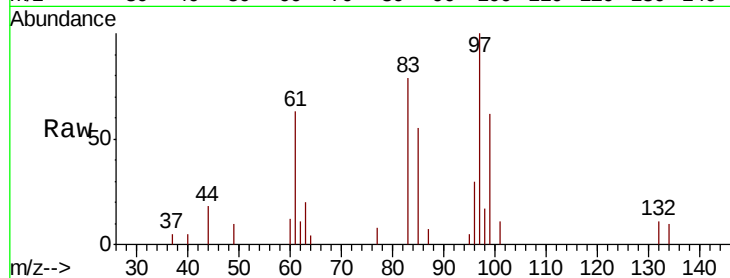
Ion Ratio Lower Upper

97 100

99 61.9 42.1 78.3

83 79.0 62.6 116.2

85 55.1 39.1 72.7

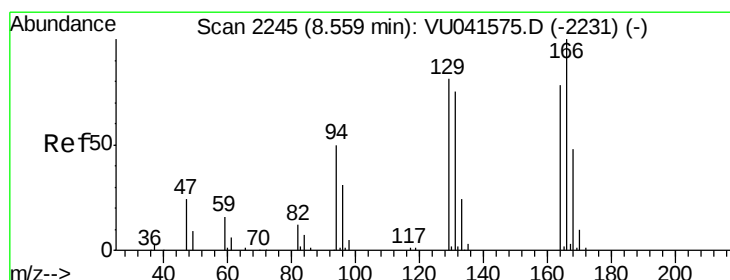
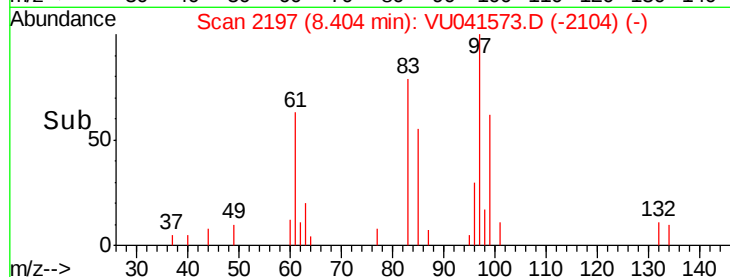
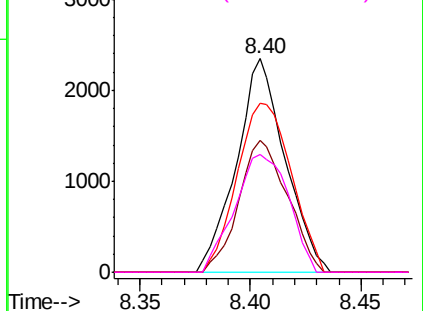


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 0.391 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

Tgt Ion: 164 Resp: 3320

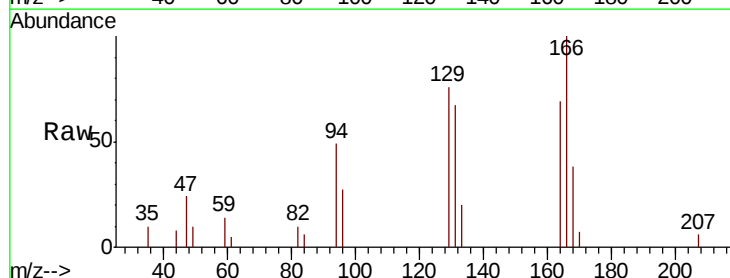
Ion Ratio Lower Upper

164 100

129 111.5 72.2 134.0

131 97.1 66.9 124.3

166 145.8 89.6 166.4

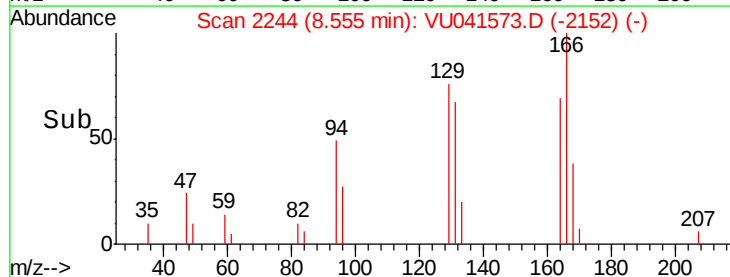
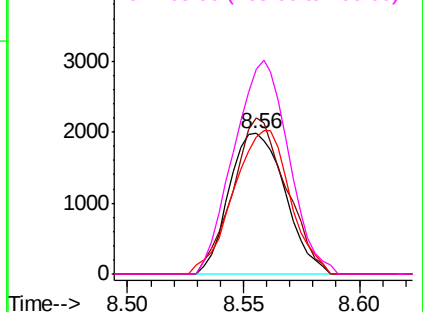


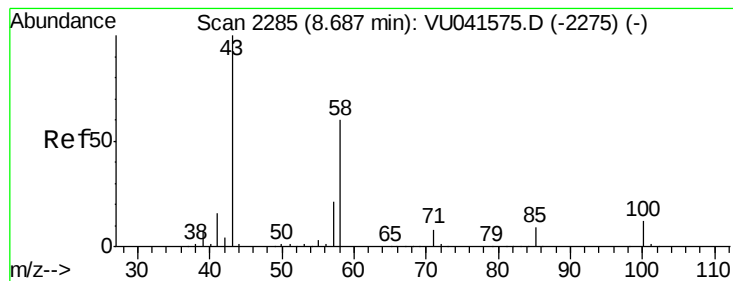
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 3.497 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

Tot Ion: 43 Resp: 23092

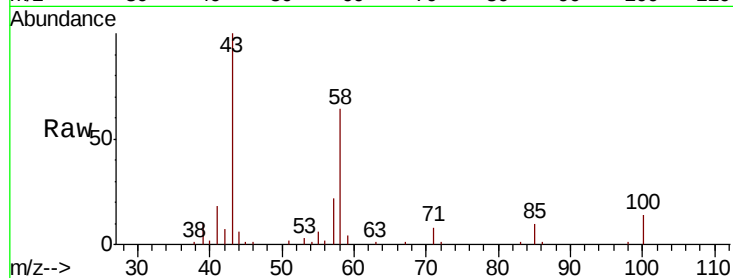
Ion Ratio Lower Upper

43 100

58 61.5 47.9 71.9

57 21.1 16.5 24.7

100 12.2 9.4 14.2

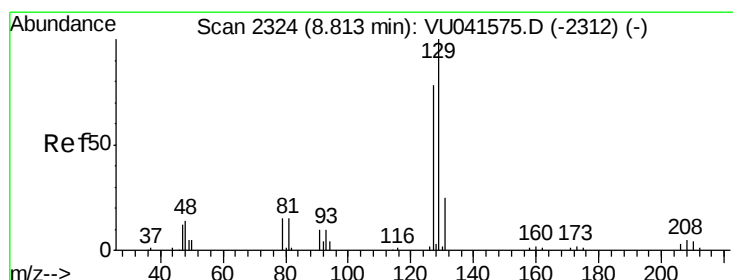
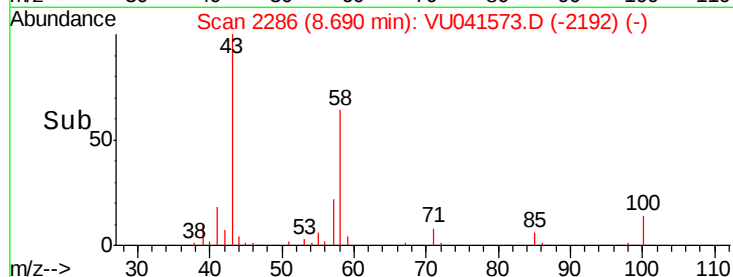
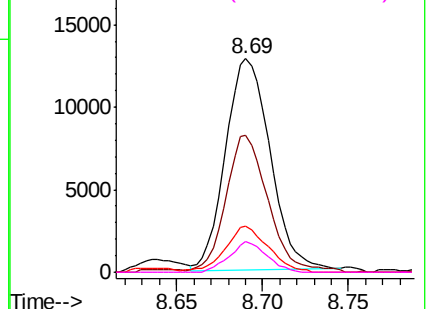


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#49

Dibromochloromethane

Concen: 0.410 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. 0.00 min

Lab File: VU041573.D

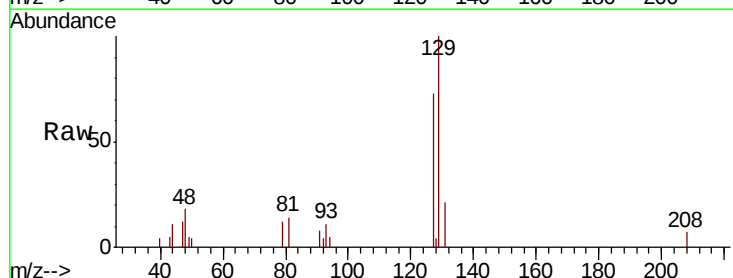
Acq: 12 Dec 2020 17:28

Tgt Ion: 129 Resp: 4300

Ion Ratio Lower Upper

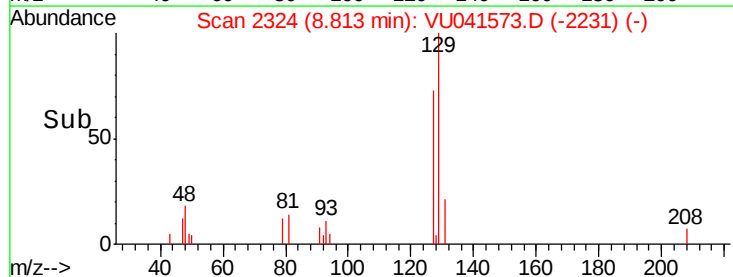
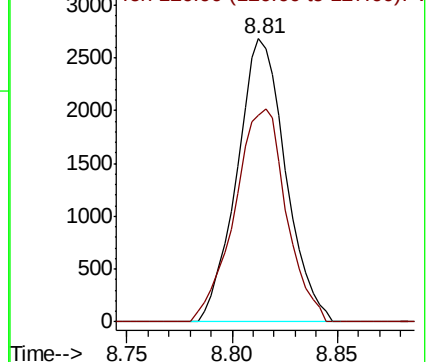
129 100

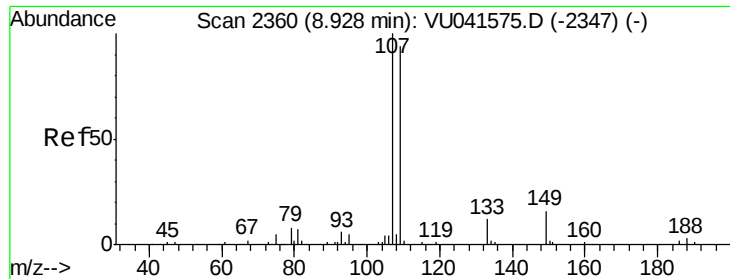
127 72.9 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

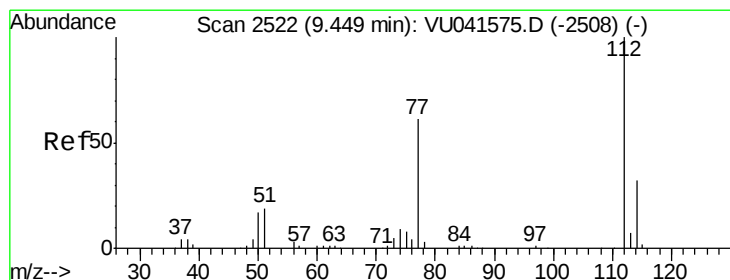
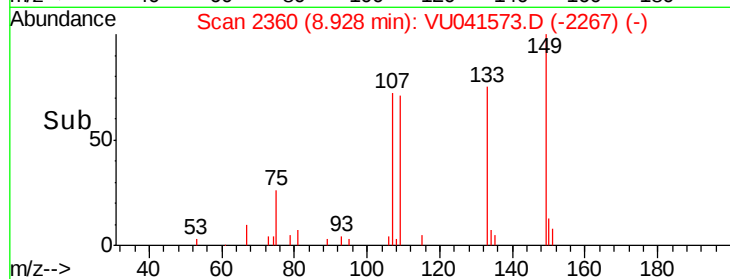
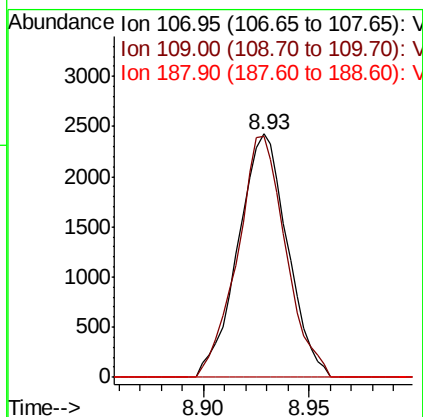
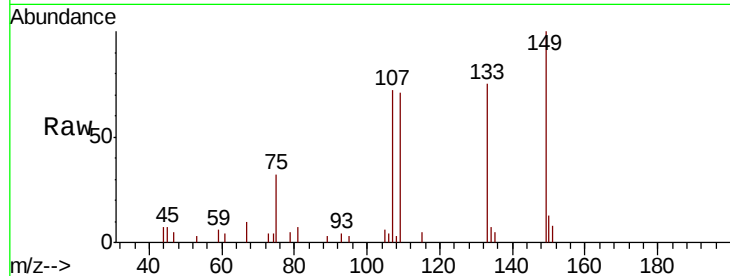




#50
 1,2-Dibromoethane
 Concen: 0.434 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

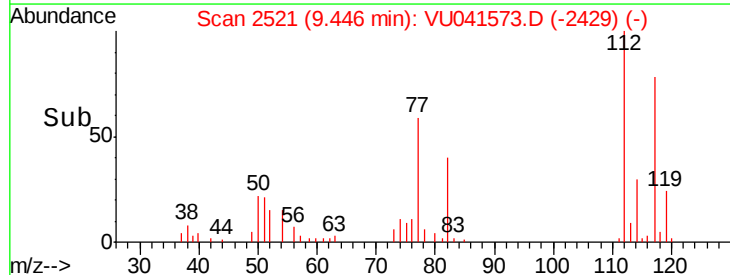
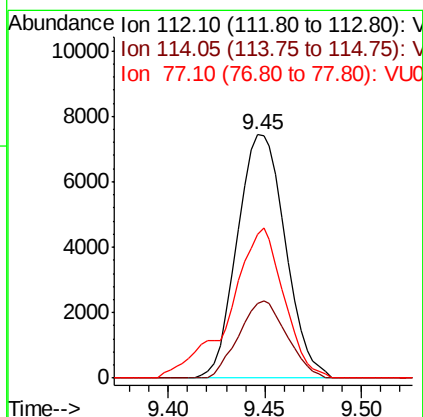
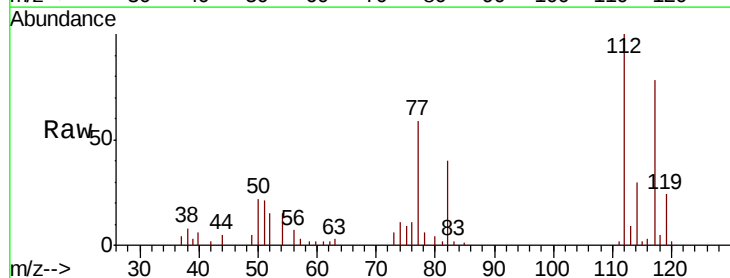
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

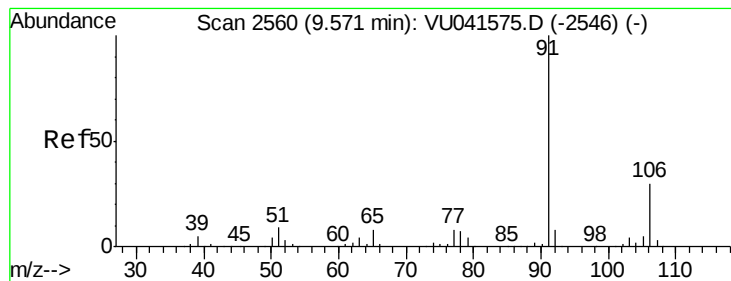
Tot Ion:107 Resp: 3947
 Ion Ratio Lower Upper
 107 100
 109 99.1 65.6 121.8
 188 0.0 2.6 4.0#



#51
 Chlorobenzene
 Concen: 0.414 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

Tgt Ion:112 Resp: 12875
 Ion Ratio Lower Upper
 112 100
 114 30.5 22.7 42.3
 77 58.9 49.1 73.7





#52

Ethylbenzene

Concen: 0.375 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

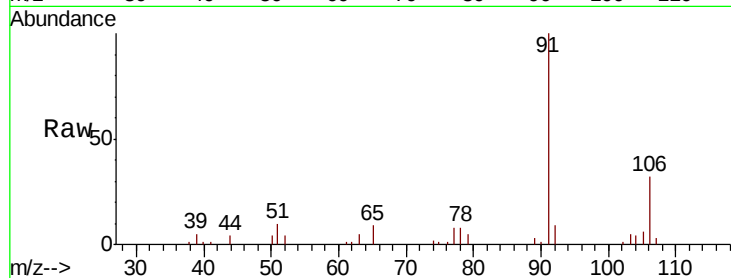
VSTD0.501

Tot Ion: 91 Resp: 20505

Ion Ratio Lower Upper

91 100

106 32.2 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041573.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU041573.D (-2546) (-)

9.57

15000

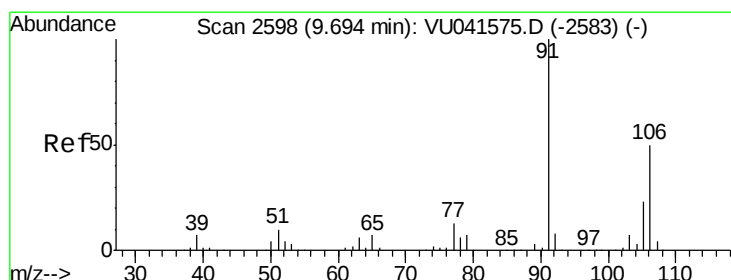
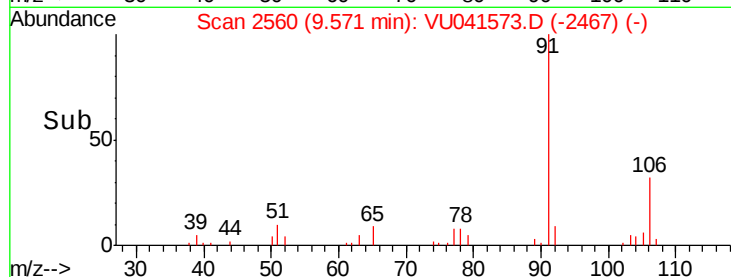
10000

5000

0

Time-->

9.50 9.55 9.60 9.65



#53

m,p-Xylene

Concen: 0.330 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041573.D

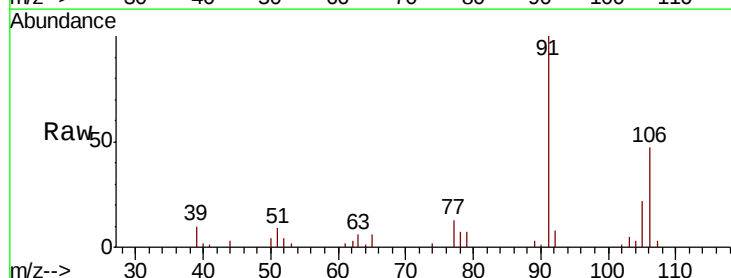
Acq: 12 Dec 2020 17:28

Tgt Ion: 106 Resp: 7013

Ion Ratio Lower Upper

106 100

91 214.0 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041573.D (-2583) (-)

Ion 91.15 (90.85 to 91.85): VU041573.D (-2583) (-)

9.69

10000

8000

6000

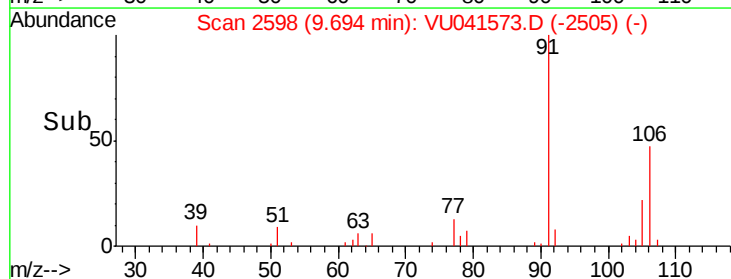
4000

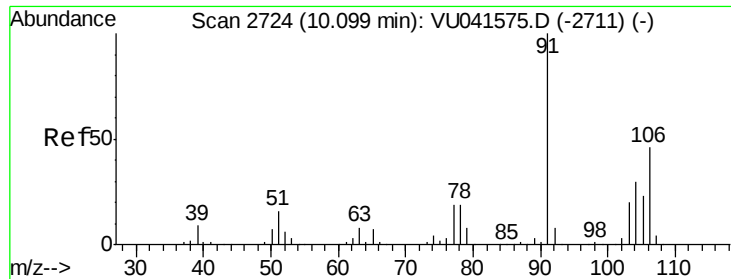
2000

0

Time-->

9.65 9.70 9.75

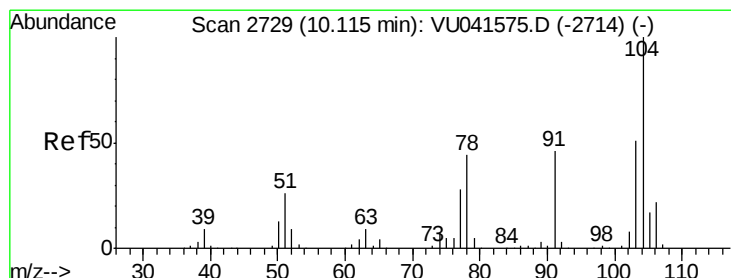
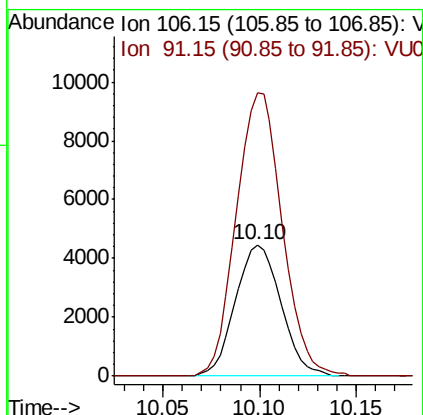
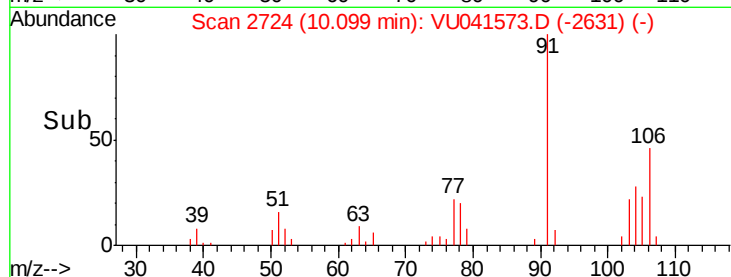
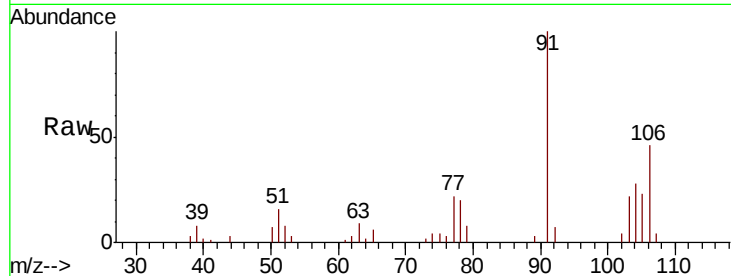




#54
o-Xylene
Concen: 0.364 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041573.D
Acq: 12 Dec 2020 17:28

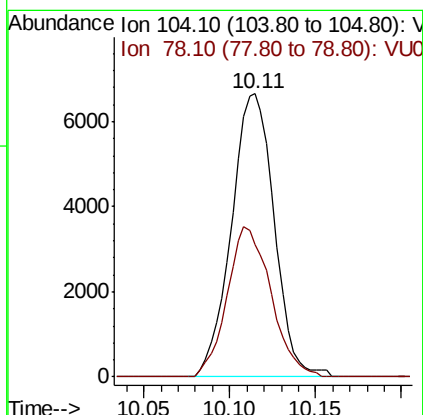
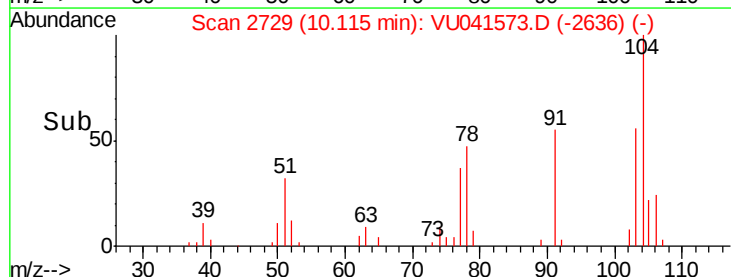
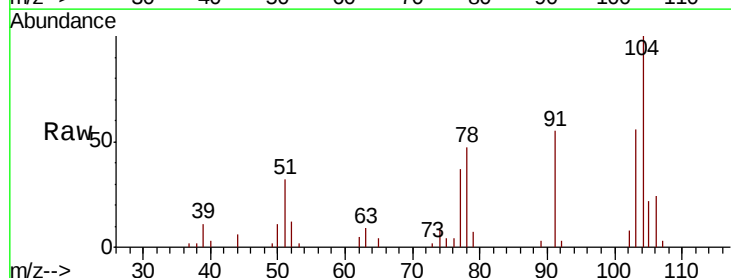
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

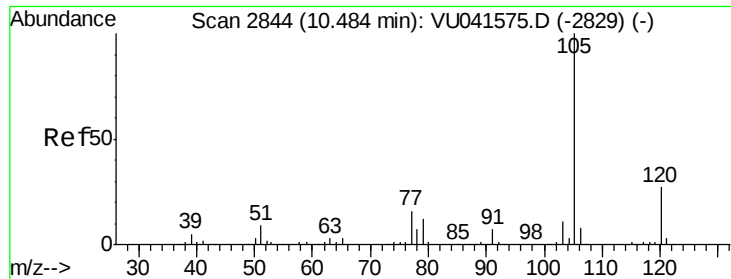
Tot Ion:106 Resp: 7322
Ion Ratio Lower Upper
106 100
91 215.1 151.3 281.1



#55
Styrene
Concen: 0.327 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041573.D
Acq: 12 Dec 2020 17:28

Tgt Ion:104 Resp: 11480
Ion Ratio Lower Upper
104 100
78 47.0 31.1 57.9





#56

Isopropylbenzene

Concen: 0.361 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

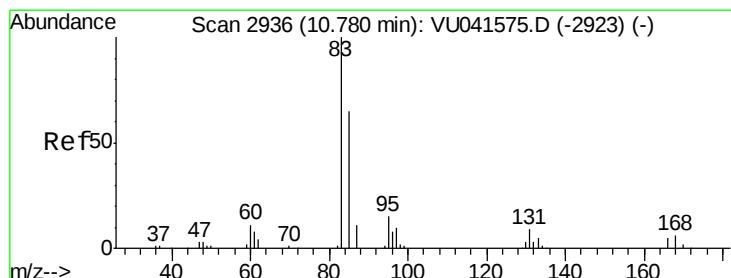
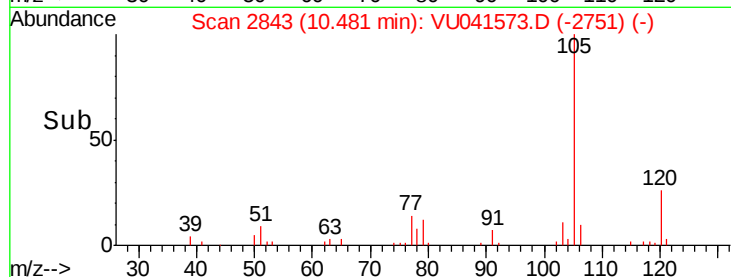
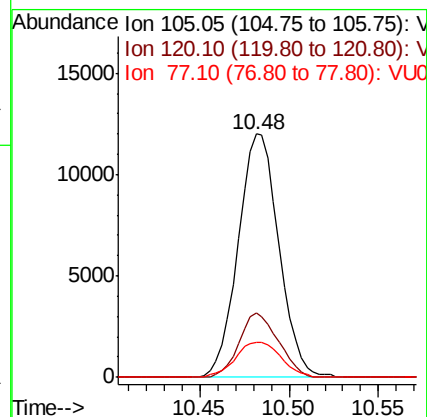
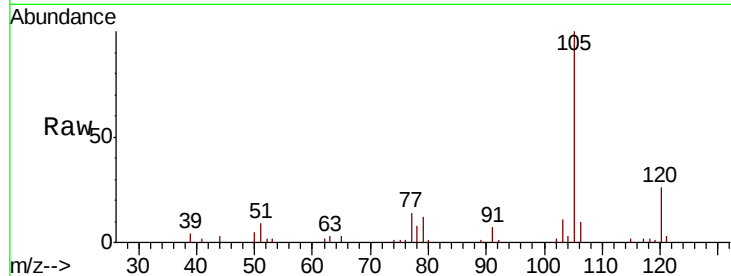
Tot Ion:105 Resp: 19013

Ion Ratio Lower Upper

105 100

120 25.4 20.5 30.7

77 15.9 12.7 19.1



#58

1,1,2,2-Tetrachloroethane

Concen: 0.410 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

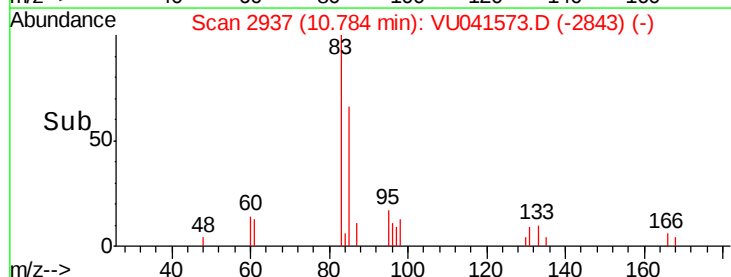
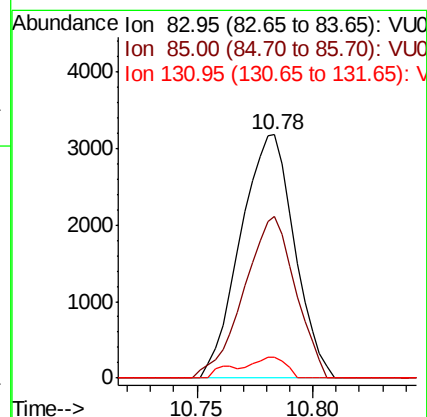
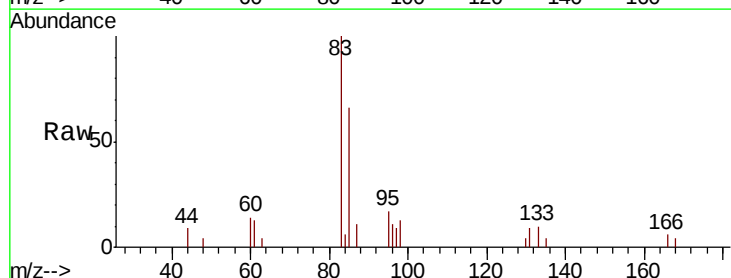
Tgt Ion: 83 Resp: 5124

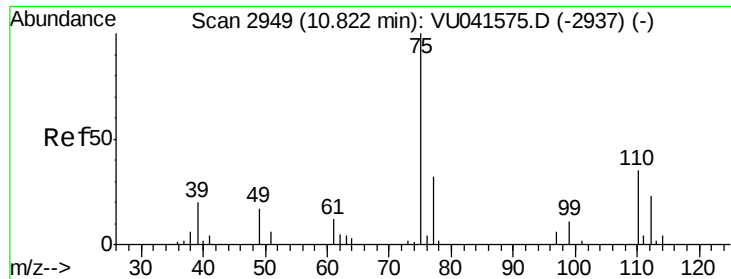
Ion Ratio Lower Upper

83 100

85 66.4 46.1 85.7

131 8.7 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 0.417 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

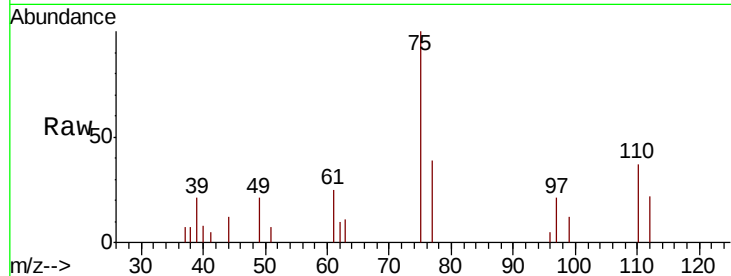
VSTD0.501

Tot Ion: 75 Resp: 3830

Ion Ratio Lower Upper

75 100

77 37.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU041575.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041575.D (-2937) (-)

10.82

2500

2000

1500

1000

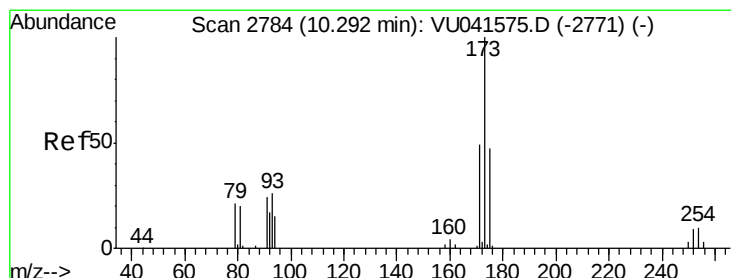
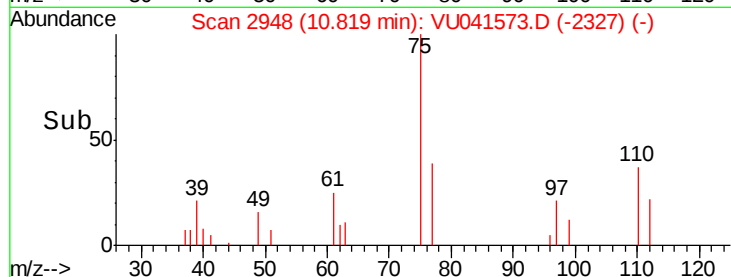
500

0

10.80

10.85

Time-->



#61

Bromoform

Concen: 0.383 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

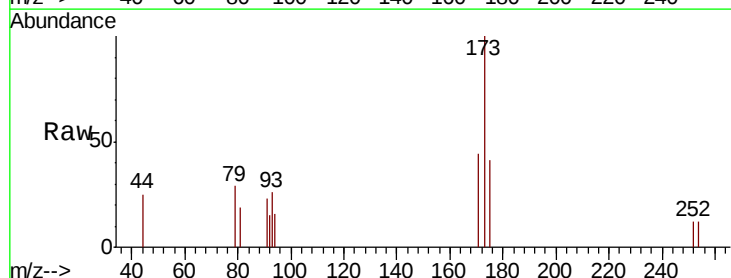
Tgt Ion: 173 Resp: 2263

Ion Ratio Lower Upper

173 100

175 50.0 37.3 55.9

254 10.4 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): VU041575.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU041575.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU041575.D (-2771) (-)

2000

1500

1000

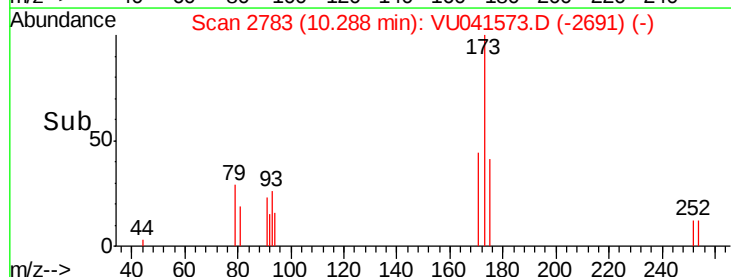
500

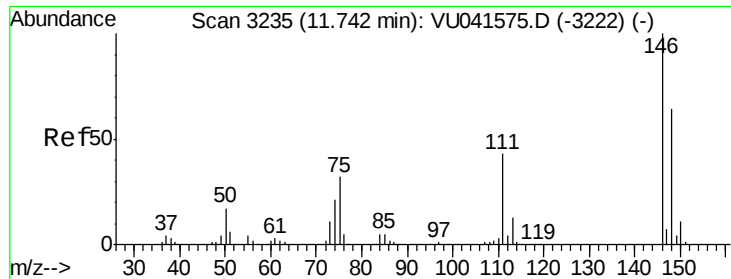
0

10.25

10.30

Time-->

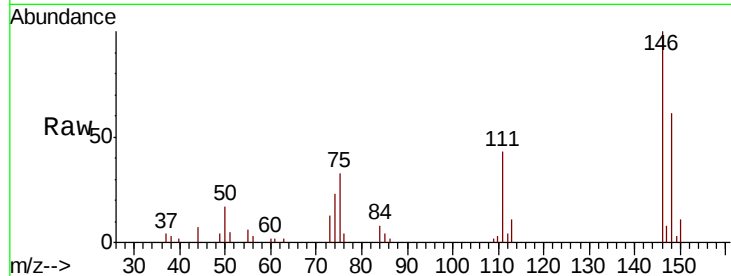




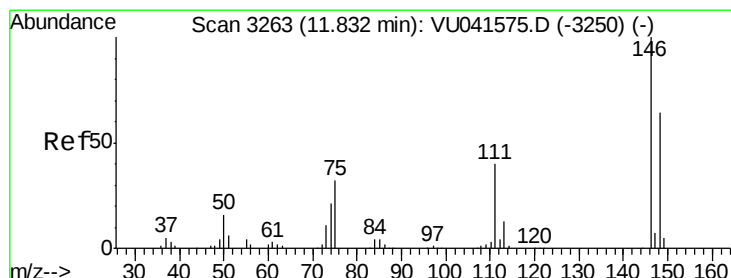
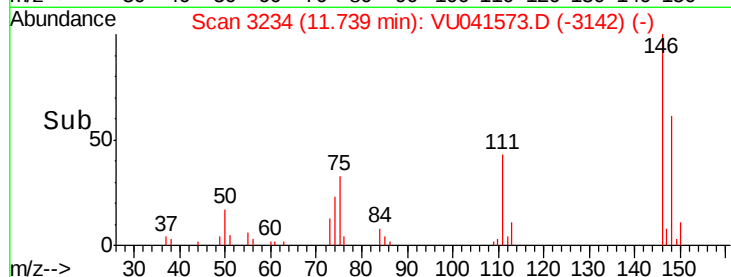
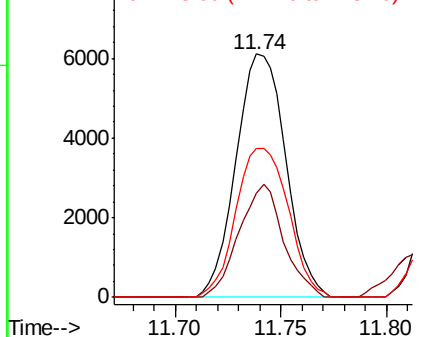
#62
 1,3-Dichlorobenzene
 Concen: 0.433 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tot Ion:146 Resp: 10039
 Ion Ratio Lower Upper
 146 100
 111 42.8 30.0 55.8
 148 61.4 44.9 83.3

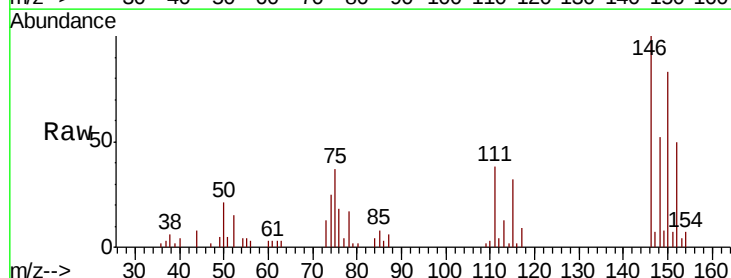


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

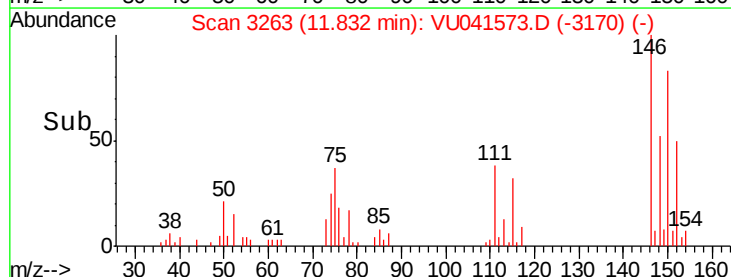
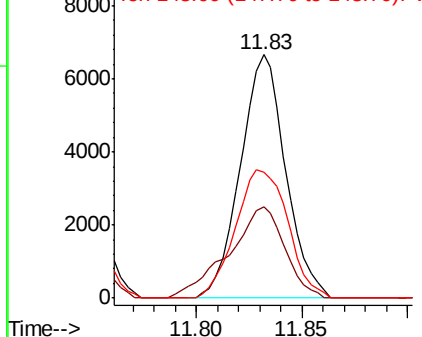


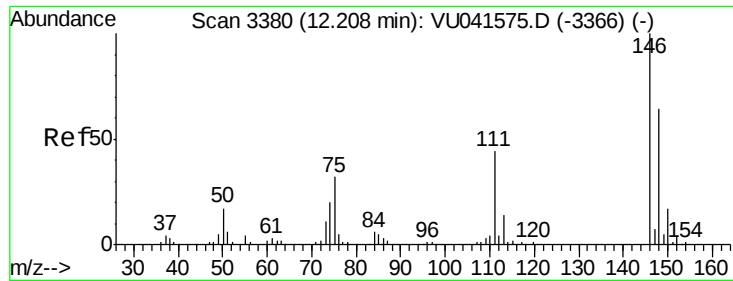
#63
 1,4-Dichlorobenzene
 Concen: 0.420 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

Tgt Ion:146 Resp: 9915
 Ion Ratio Lower Upper
 146 100
 111 37.6 27.9 51.9
 148 51.9 45.0 83.6



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

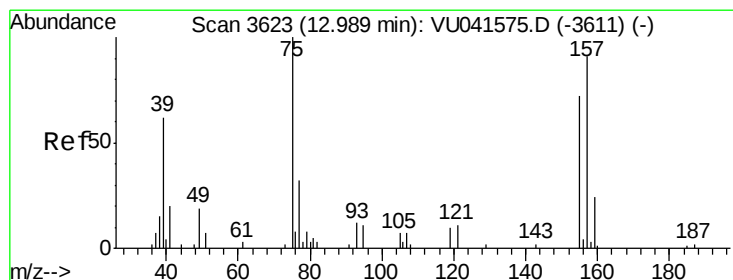
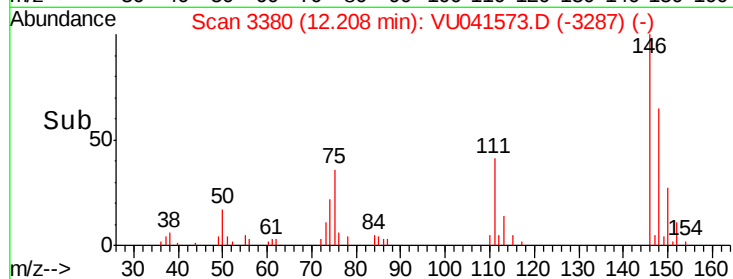
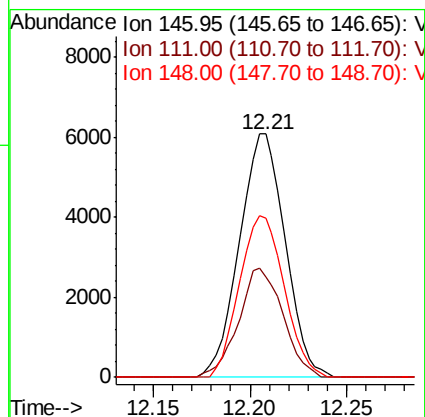
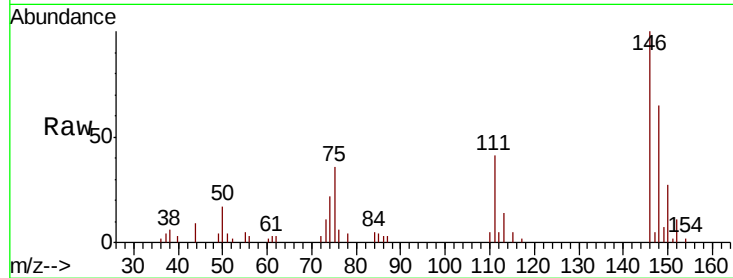




#65
 1,2-Dichlorobenzene
 Concen: 0.449 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

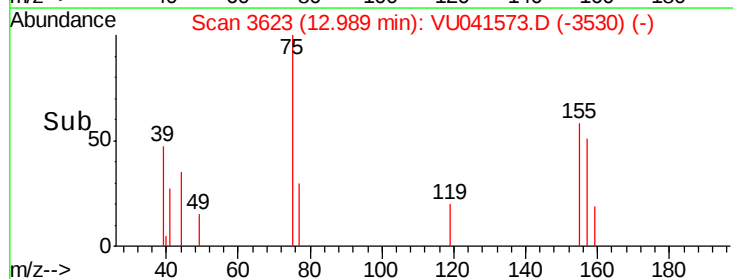
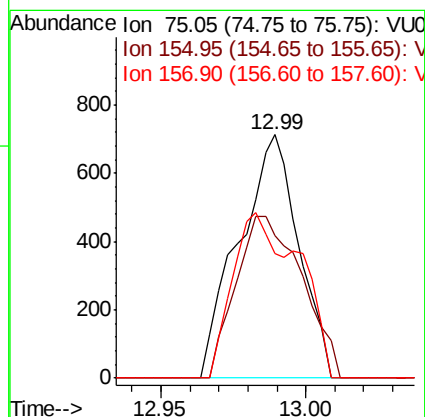
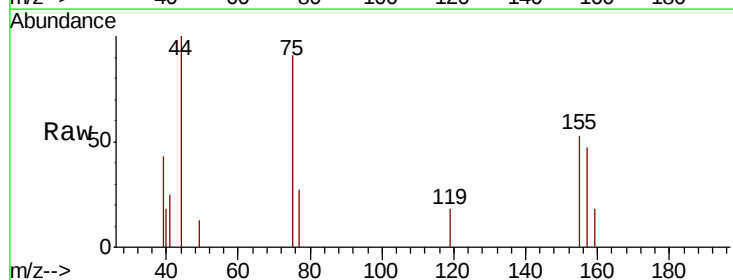
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

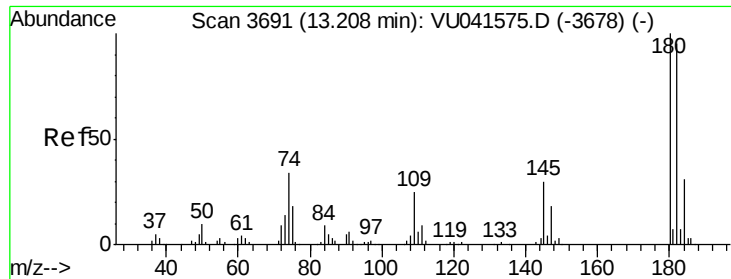
Tot Ion:146 Resp: 10002
 Ion Ratio Lower Upper
 146 100
 111 41.3 35.0 52.6
 148 65.4 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.468 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

Tgt Ion: 75 Resp: 1018
 Ion Ratio Lower Upper
 75 100
 155 58.3 57.4 86.0
 157 51.1 72.4 108.6#

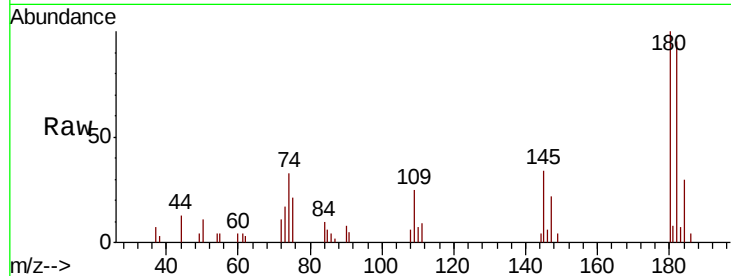




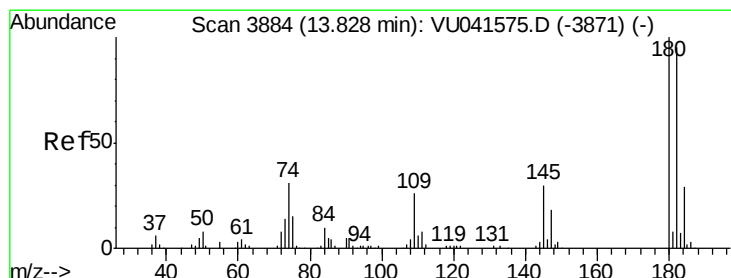
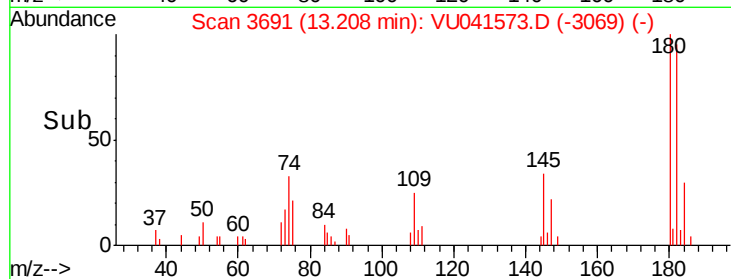
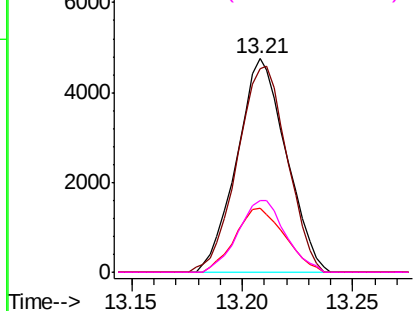
#67
 1,3,5-Trichlorobenzene
 Concen: 0.416 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tot Ion:180	Resp:	7382	
Ion Ratio	Lower	Upper	
180 100			
182 96.9	76.3	114.5	
184 30.0	24.1	36.1	
145 32.4	24.1	36.1	

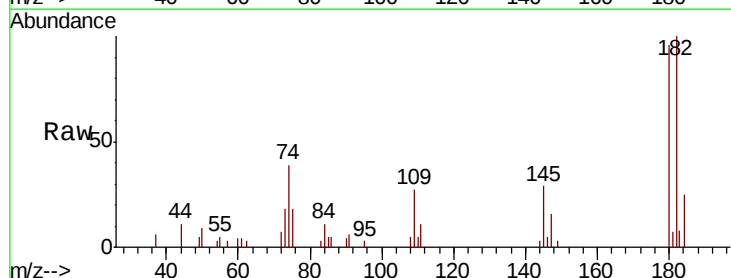


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

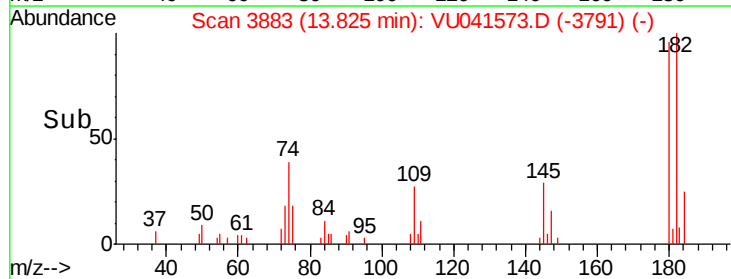
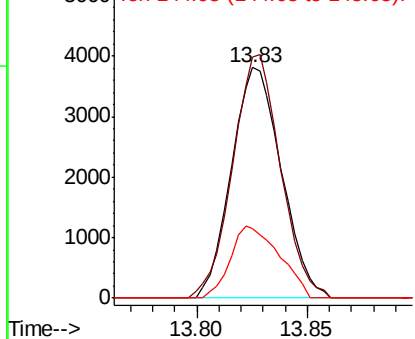


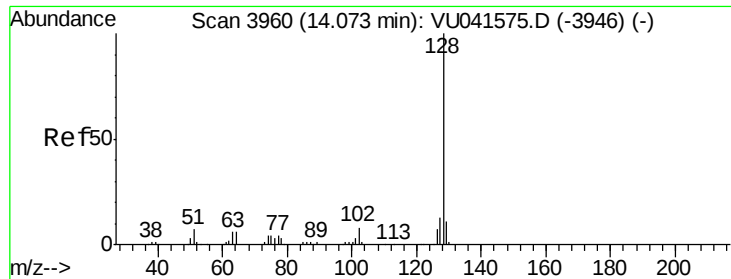
#68
 1,2,4-trichlorobenzene
 Concen: 0.367 ug/L
 RT: 13.83 min Scan# 3883
 Delta R.T. -0.00 min
 Lab File: VU041573.D
 Acq: 12 Dec 2020 17:28

Tgt	Ion:180	Resp:	6000
Ion	Ratio	Lower	Upper
180	100		
182	101.1	75.4	113.0
145	30.5	24.5	36.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.372 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. 0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

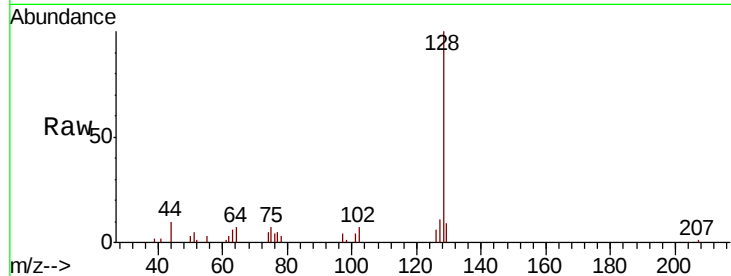
Tot Ion:128 Resp: 12059

Ion Ratio Lower Upper

128 100

129 10.2 8.7 13.1

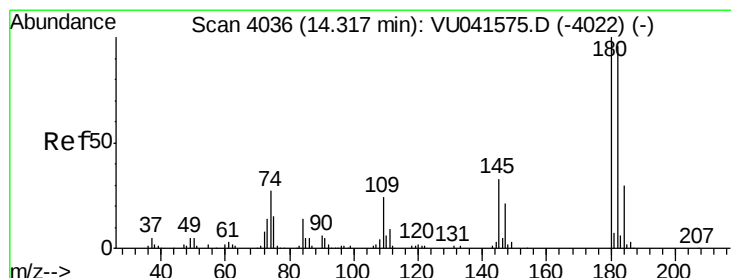
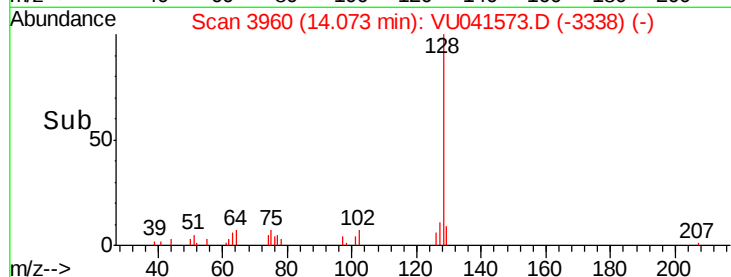
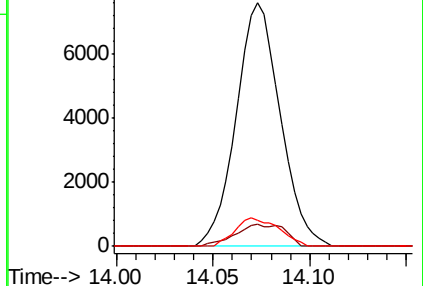
127 11.6 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.402 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041573.D

Acq: 12 Dec 2020 17:28

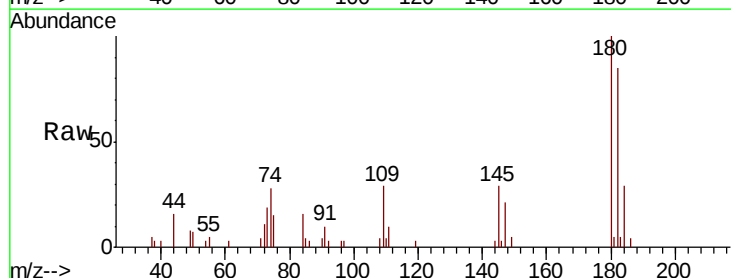
Tgt Ion:180 Resp: 6130

Ion Ratio Lower Upper

180 100

182 88.7 77.0 115.4

145 30.4 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

