

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122120\
 Data File : VU041712.D
 Acq On : 21 Dec 2020 20:49
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Quant Time: Dec 22 02:54:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 22 02:49:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	145341	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	138363	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	68749	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	42928	3.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.60%
7) Chloroethane-d5	1.92	69	42977	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.58	63	88189	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.20%
20) 2-Butanone-d5	4.66	46	154401	47.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.62%
24) Chloroform-d	5.08	84	98589	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.72	65	52168	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.74	84	191563	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.70	67	61680	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.90	98	176486	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	8.18	79	24483	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.64	63	136029	44.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.10%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52601	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	62943	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	61249	4.974	ug/L 100
3) Chloromethane	1.52	50	58146	4.861	ug/L 97
5) Vinyl chloride	1.61	62	68521	5.187	ug/L 97
6) Bromomethane	1.87	94	43339	5.248	ug/L 99
8) Chloroethane	1.94	64	43680	4.868	ug/L 99
9) Trichlorofluoromethane	2.15	101	99726	5.965	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	54726	5.473	ug/L 94
12) 1,1-Dichloroethene	2.59	96	53547	5.431	ug/L 87
13) Acetone	2.67	43	82802	39.883	ug/L 57
14) Carbon disulfide	2.81	76	164072	4.815	ug/L 100
15) Methyl Acetate	2.97	43	22922	4.247	ug/L 98
16) Methylene chloride	3.06	84	67473	5.730	ug/L 92
17) Methyl tert-butyl Ether	3.38	73	130662	4.967	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	54930	5.386	ug/L 94
19) 1,1-Dichloroethane	3.89	63	101930	5.348	ug/L 98
21) 2-Butanone	4.74	43	146987	43.466	ug/L 100
22) cis-1,2-Dichloroethene	4.69	96	59495	5.278	ug/L 96

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 Data File : VU041712.D
 Acq On : 21 Dec 2020 20:49
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Quant Time: Dec 22 02:54:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 22 02:49:59 2020
 Response via : Initial Calibration

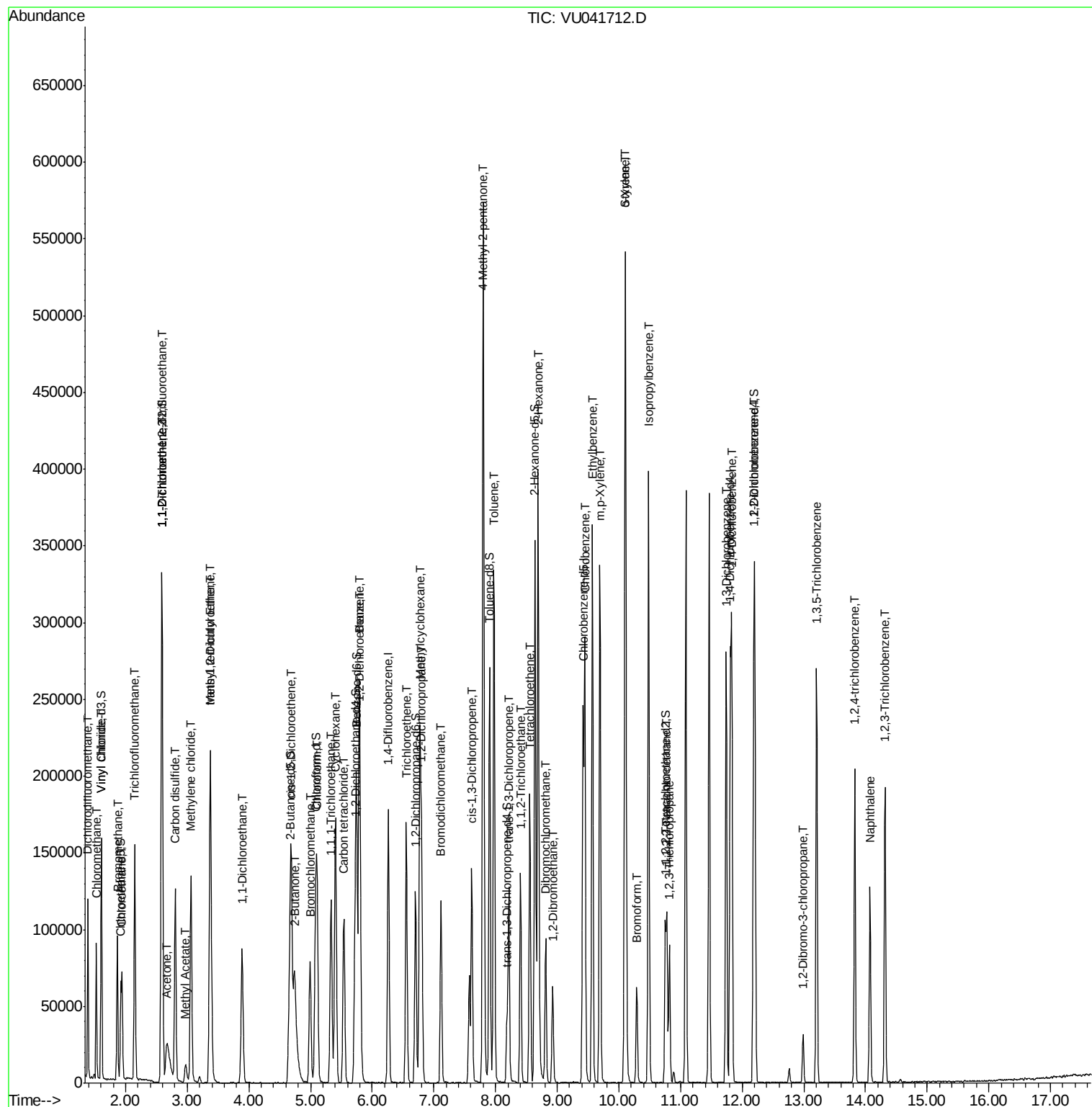
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	27458	5.303	uq/L	93
25) Chloroform	5.11	83	103926	5.414	uq/L	98
27) 1,2-Dichloroethane	5.81	62	65839	5.065	uq/L	96
29) 1,1,1-Trichloroethane	5.33	97	87011	5.476	uq/L	99
30) Cyclohexane	5.40	56	86753	4.871	uq/L	93
31) Carbon tetrachloride	5.54	117	75475	5.493	uq/L	97
33) Benzene	5.79	78	231010	5.220	uq/L	100
34) Trichloroethene	6.56	95	58575	5.268	uq/L	98
35) Methylcyclohexane	6.77	83	90569	5.039	uq/L	99
37) 1,2-Dichloropropane	6.80	63	58651	5.182	uq/L	99
38) Bromodichloromethane	7.11	83	78768	5.594	uq/L	98
39) cis-1,3-Dichloropropene	7.62	75	87374	5.210	uq/L	100
40) 4-Methyl-2-pentanone	7.80	43	384008	47.680	uq/L	99
42) Toluene	7.98	91	248526	5.440	uq/L	100
44) trans-1,3-Dichloropropene	8.21	75	73866	4.925	uq/L	95
45) 1,1,2-Trichloroethane	8.40	97	41180	4.920	uq/L	94
47) Tetrachloroethene	8.56	164	41754	5.364	uq/L	97
48) 2-Hexanone	8.69	43	259490	44.271	uq/L	98
49) Dibromochloromethane	8.81	129	49050	5.102	uq/L	100
50) 1,2-Dibromoethane	8.93	107	38854	4.693	uq/L	99
51) Chlorobenzene	9.45	112	153584	5.408	uq/L	95
52) Ethylbenzene	9.57	91	256637	5.275	uq/L	100
53) m,p-Xylene	9.69	106	99247	5.470	uq/L	100
54) o-Xylene	10.10	106	98201	5.526	uq/L	93
55) Styrene	10.11	104	164189	5.349	uq/L	98
56) Isopropylbenzene	10.48	105	257059	5.435	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	54108	4.646	uq/L	93
59) 1,2,3-Trichloropropane	10.82	75	39980	4.703	uq/L	99
61) Bromoform	10.29	173	28848	5.551	uq/L	98
62) 1,3-Dichlorobenzene	11.74	146	117174	5.573	uq/L	98
63) 1,4-Dichlorobenzene	11.83	146	116936	5.531	uq/L	99
65) 1,2-Dichlorobenzene	12.20	146	115153	5.593	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	8741	4.527	uq/L #	84
67) 1,3,5-Trichlorobenzene	13.21	180	80796	5.062	uq/L	98
68) 1,2,4-trichlorobenzene	13.83	180	63604	4.749	uq/L	99
69) Naphthalene	14.07	128	102950	3.713	uq/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	60435	4.734	uq/L	97

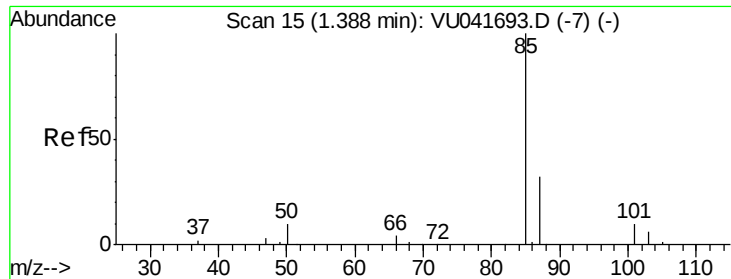
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122120\
Data File : VU041712.D
Acq On : 21 Dec 2020 20:49
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Quant Time: Dec 22 02:54:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 22 02:49:59 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.974 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

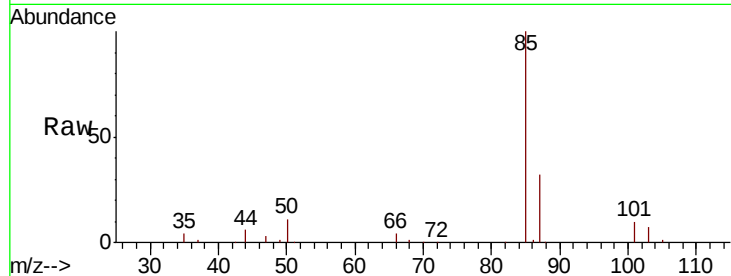
VSTD00522

Tot Ion: 85 Resp: 61249

Ion Ratio Lower Upper

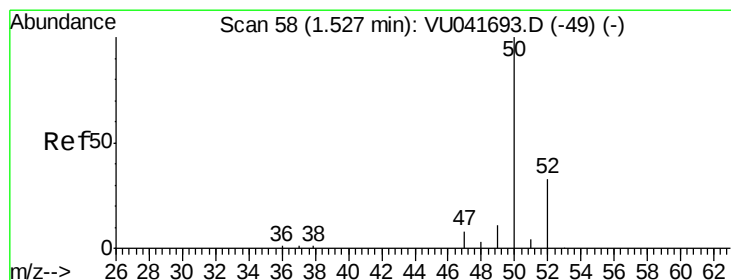
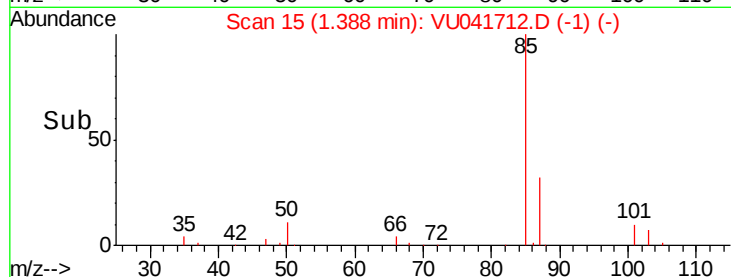
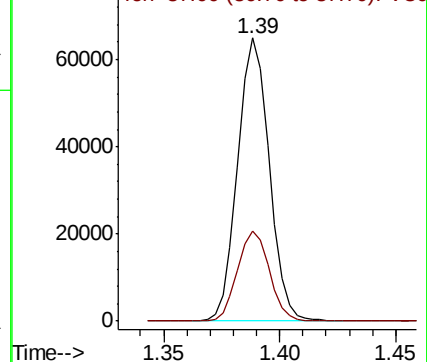
85 100

87 32.1 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: 4.861 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041712.D

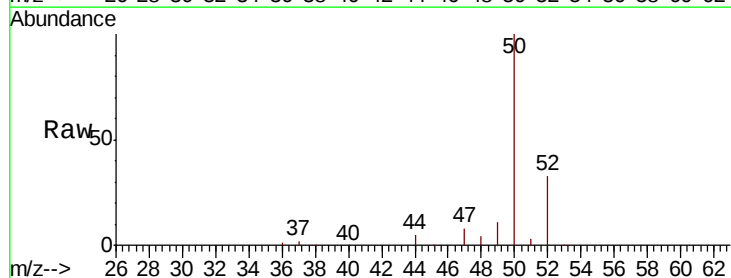
Acq: 21 Dec 2020 20:49

Tgt Ion: 50 Resp: 58146

Ion Ratio Lower Upper

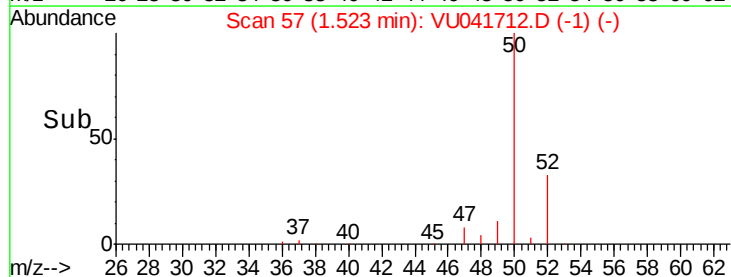
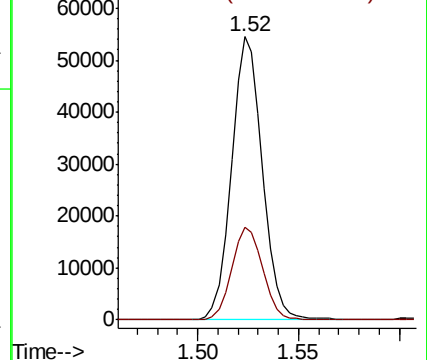
50 100

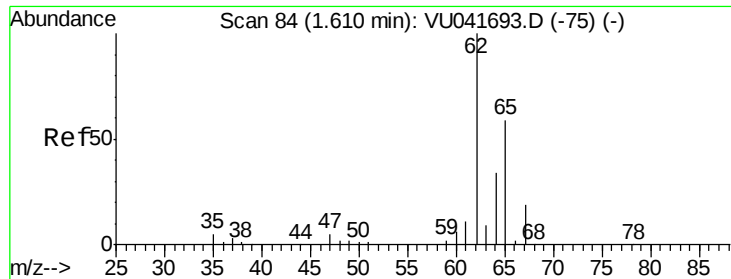
52 32.7 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.187 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

Instrument :

MSVOA_U

ClientSampled :

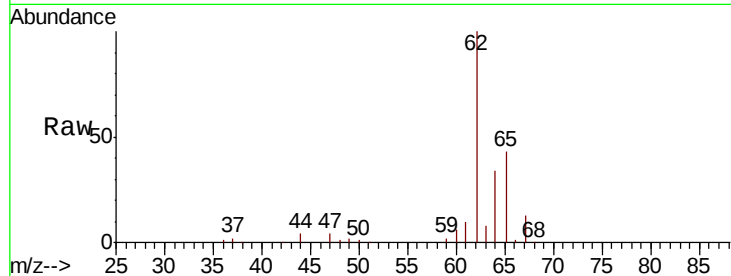
VSTD00522

Tot Ion: 62 Resp: 68521

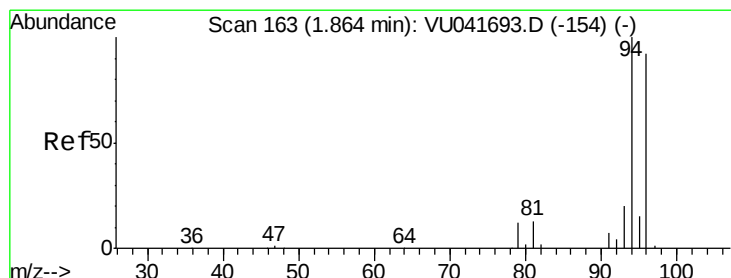
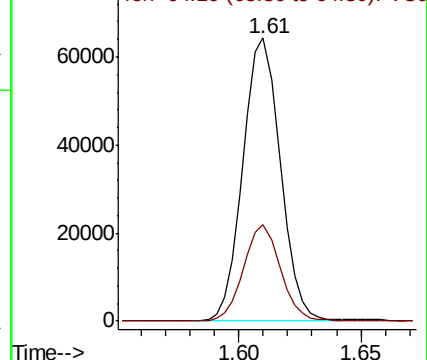
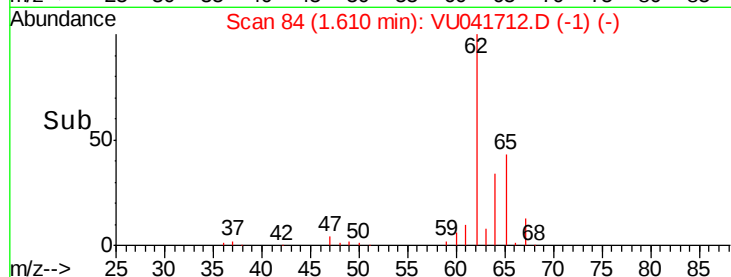
Ion Ratio Lower Upper

62 100

64 33.9 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU041712.D (-1) (-)



#6

Bromomethane

Concen: 5.248 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041712.D

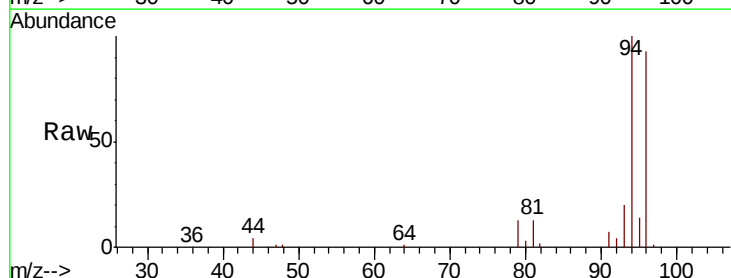
Acq: 21 Dec 2020 20:49

Tgt Ion: 94 Resp: 43339

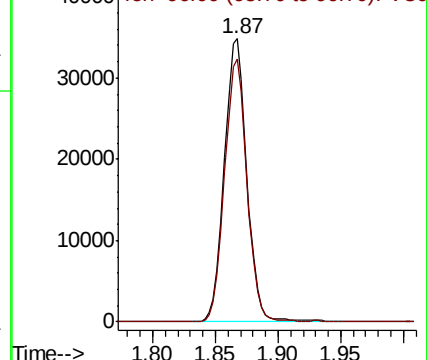
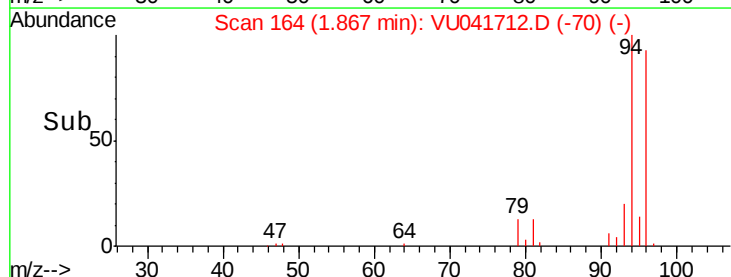
Ion Ratio Lower Upper

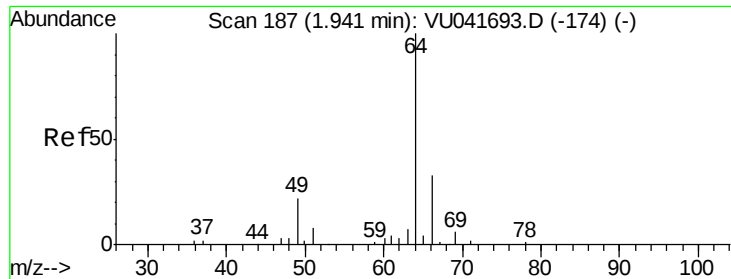
94 100

96 92.9 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU041712.D (-70) (-)

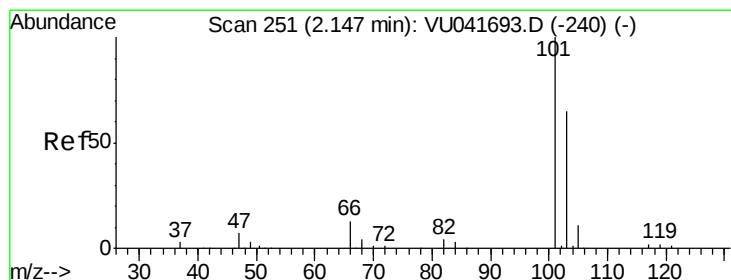
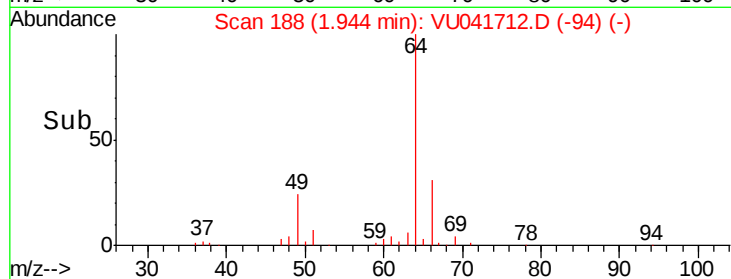
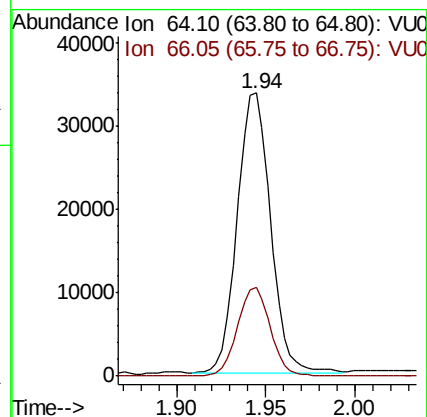
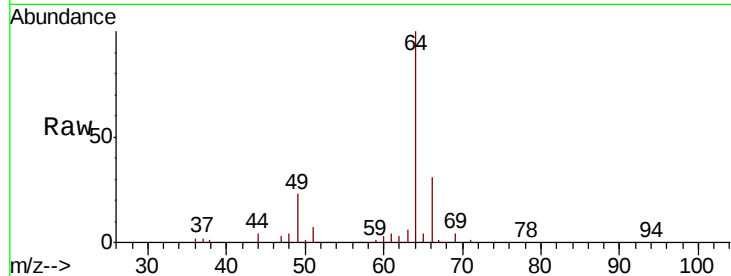




#8
Chloroethane
Concen: 4.868 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU041712.D
Acq: 21 Dec 2020 20:49

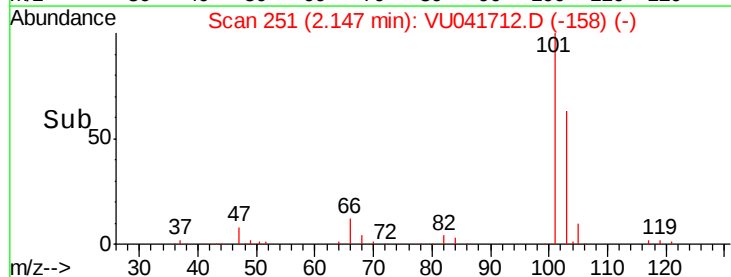
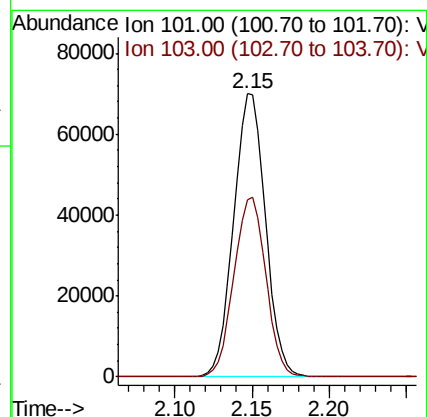
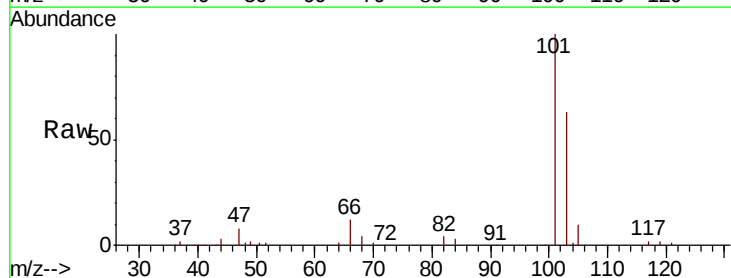
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

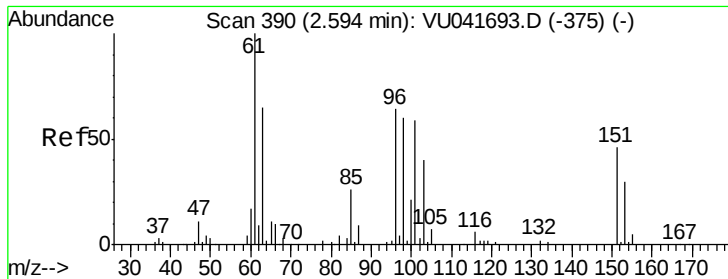
Tot Ion: 64 Resp: 43680
Ion Ratio Lower Upper
64 100
66 31.2 21.6 40.0



#9
Trichlorofluoromethane
Concen: 5.965 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU041712.D
Acq: 21 Dec 2020 20:49

Tgt Ion:101 Resp: 99726
Ion Ratio Lower Upper
101 100
103 63.7 51.1 76.7





#10

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

Concen: 5.473 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

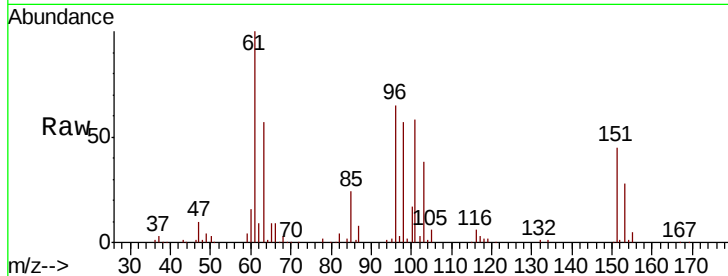
Tot Ion:101 Resp: 54726

Ion Ratio Lower Upper

101 100

85 41.7 33.6 50.4

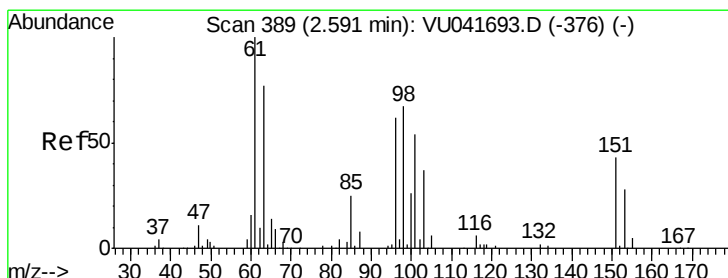
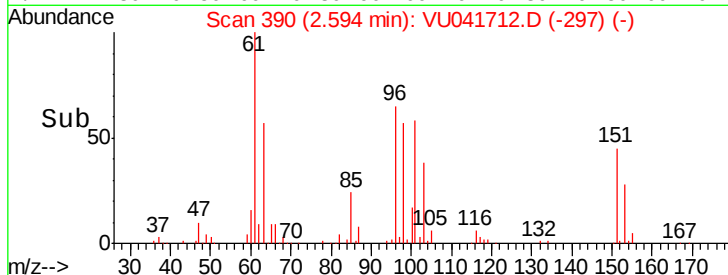
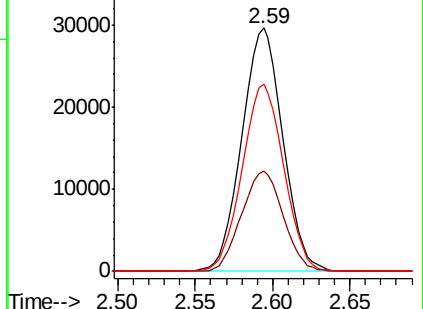
151 77.8 56.2 84.4



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: 5.431 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

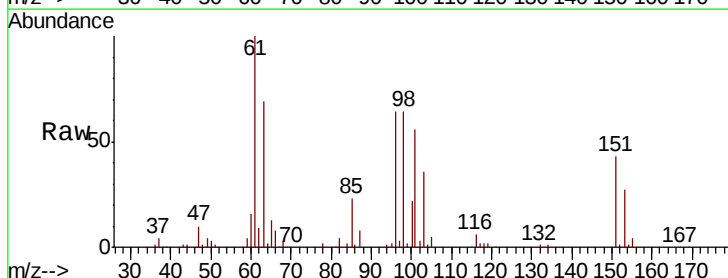
Tgt Ion: 96 Resp: 53547

Ion Ratio Lower Upper

96 100

61 155.1 123.8 230.0

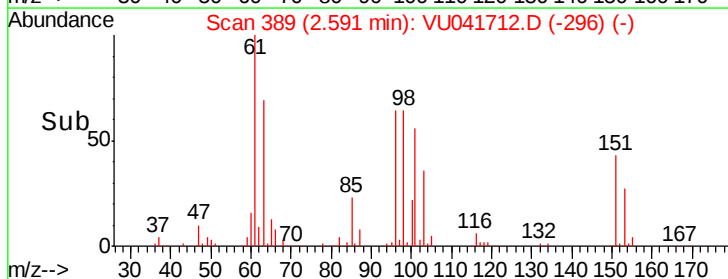
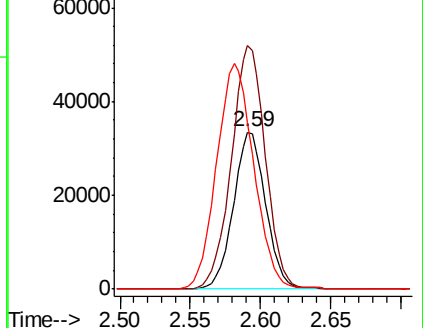
63 106.6 81.0 150.4

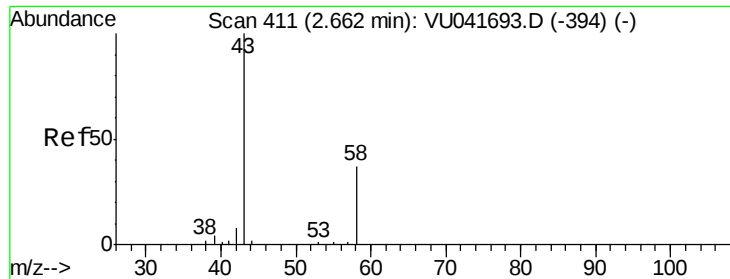


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 39.883 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

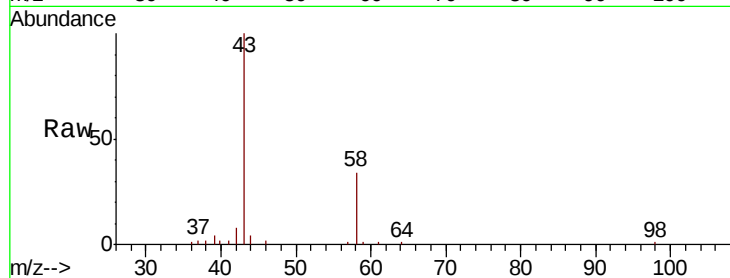
VSTD00522

Tot Ion: 43 Resp: 82802

Ion Ratio Lower Upper

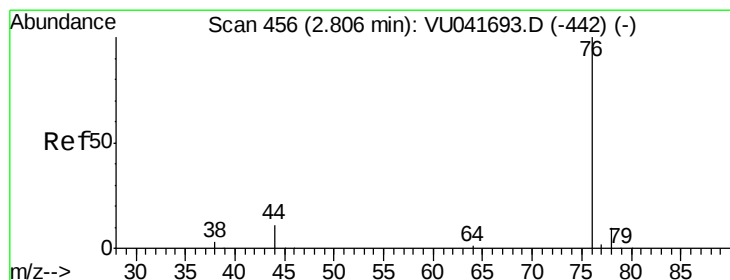
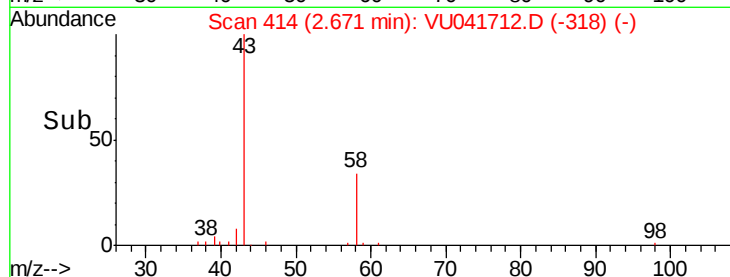
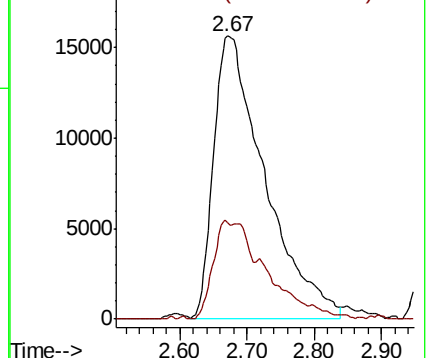
43 100

58 11.4 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041712.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VU041712.D (-394) (-)



#14

Carbon disulfide

Concen: 4.815 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041712.D

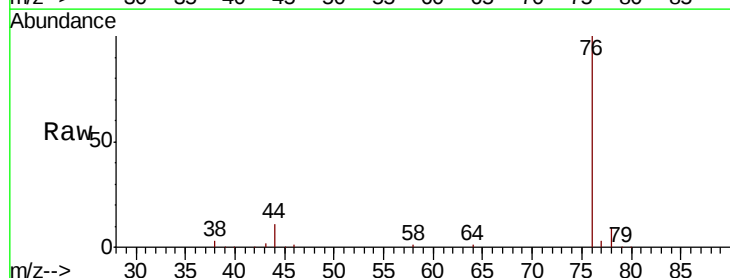
Acq: 21 Dec 2020 20:49

Tgt Ion: 76 Resp: 164072

Ion Ratio Lower Upper

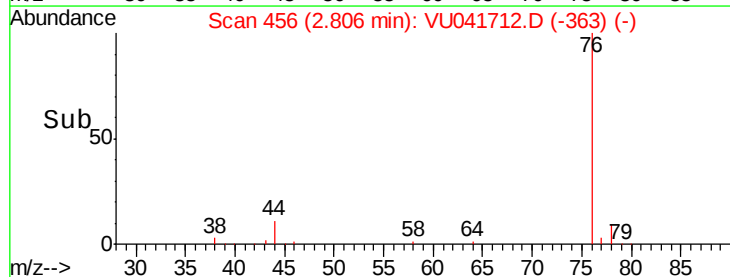
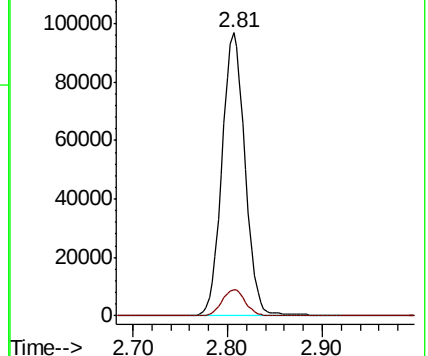
76 100

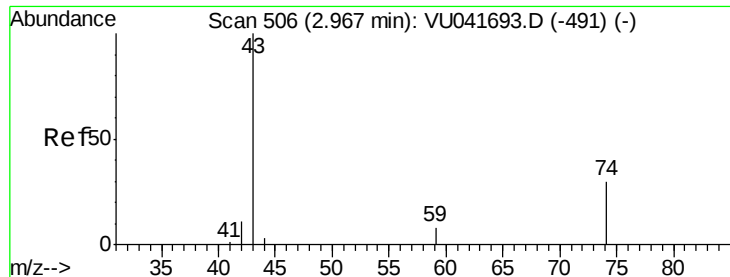
78 9.2 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU041712.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU041712.D (-363) (-)

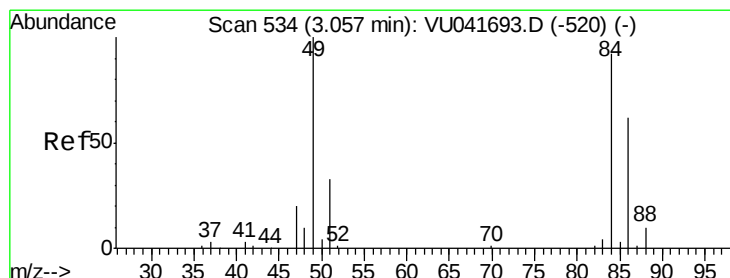
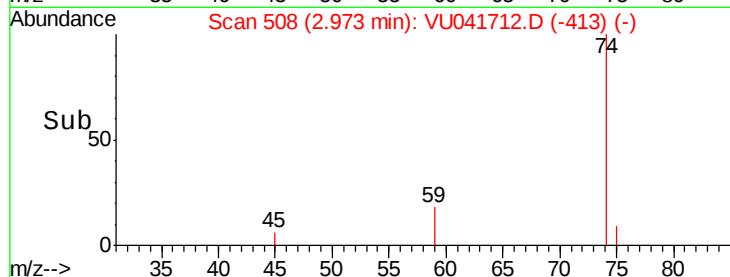
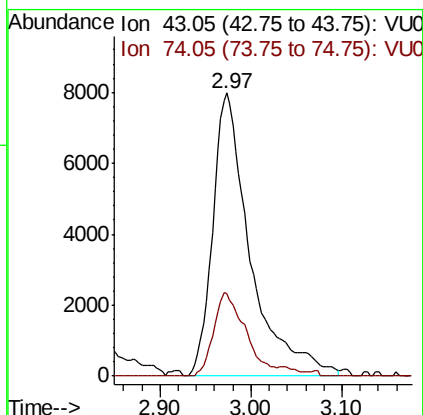
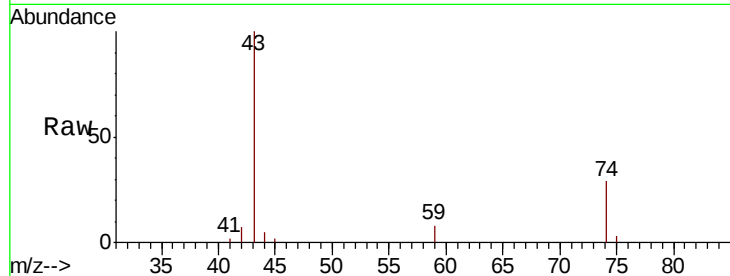




#15
Methvl Acetate
Concen: 4.247 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU041712.D
Acq: 21 Dec 2020 20:49

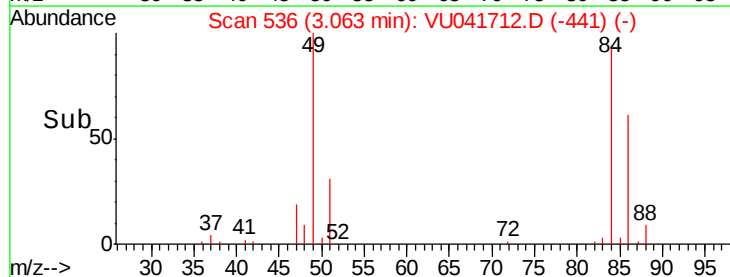
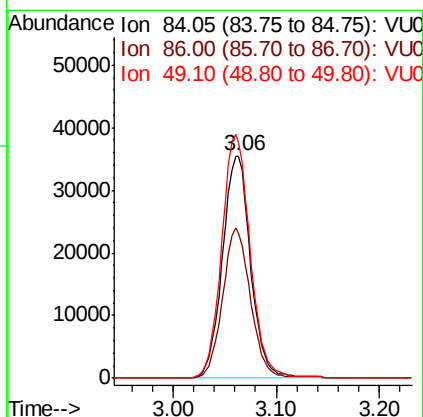
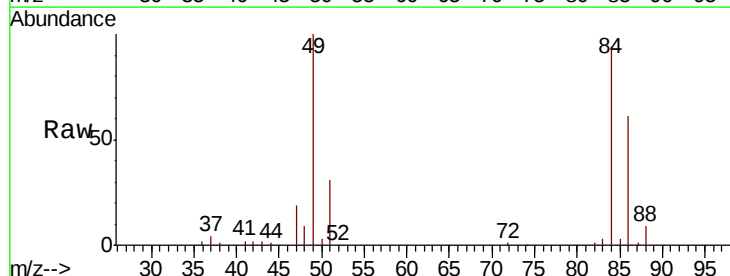
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

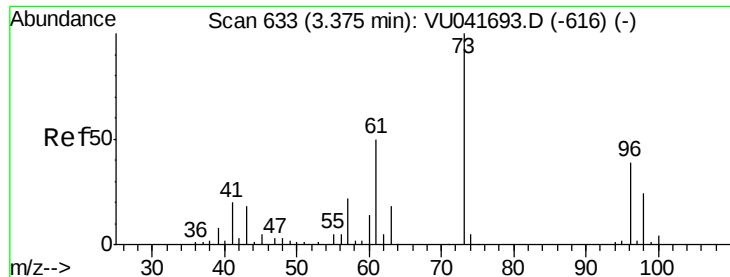
Tot Ion: 43 Resp: 22922
Ion Ratio Lower Upper
43 100
74 24.9 19.2 28.8



#16
Methylene chloride
Concen: 5.730 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.01 min
Lab File: VU041712.D
Acq: 21 Dec 2020 20:49

Tgt Ion: 84 Resp: 67473
Ion Ratio Lower Upper
84 100
86 65.3 45.1 83.7
49 106.4 83.1 154.3

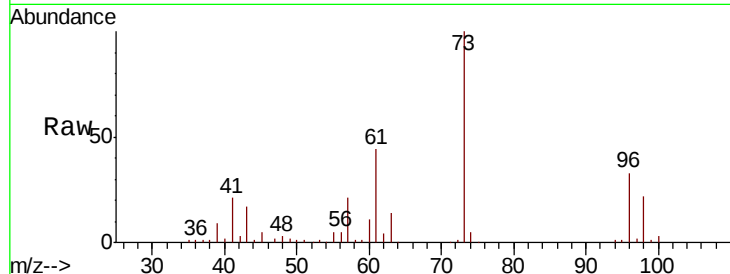




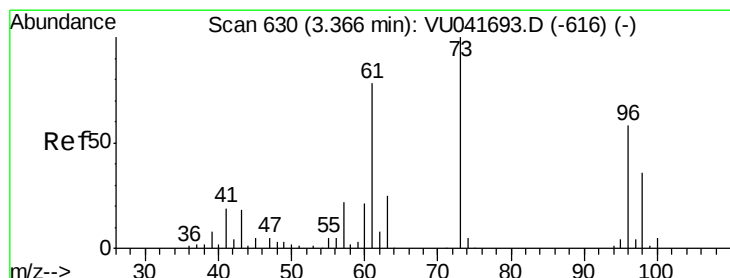
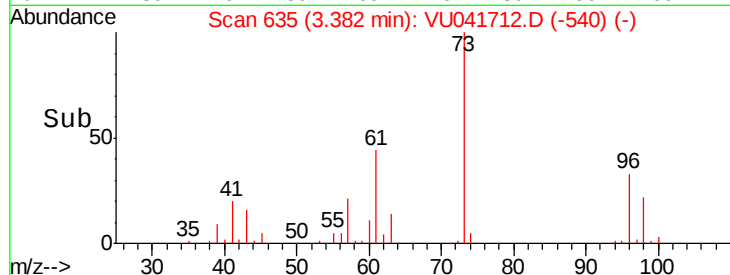
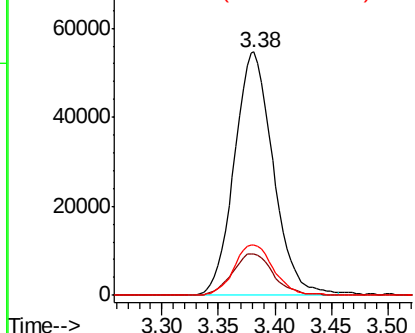
#17
Methvl tert-butvl Ether
Concen: 4.967 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.01 min
Lab File: VU041712.D
Acq: 21 Dec 2020 20:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion: 73 Resp: 130662
Ion Ratio Lower Upper
73 100
43 18.1 14.7 22.1
57 21.4 18.2 27.4

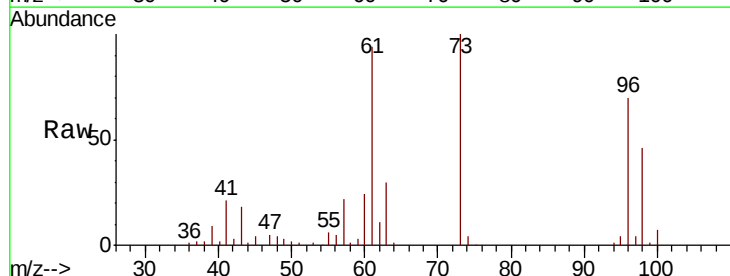


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

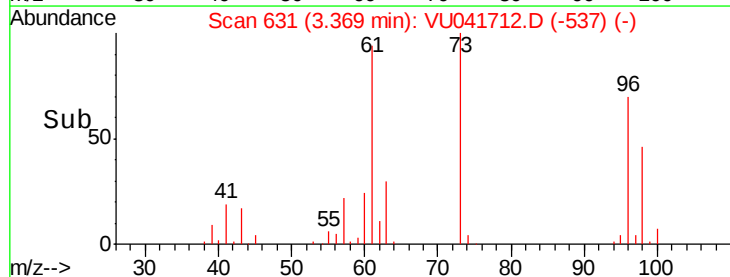
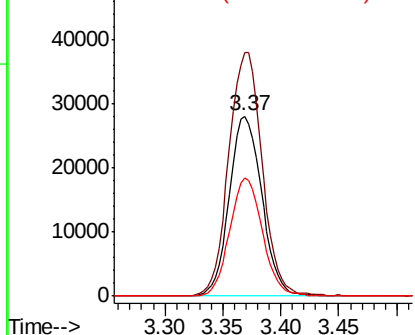


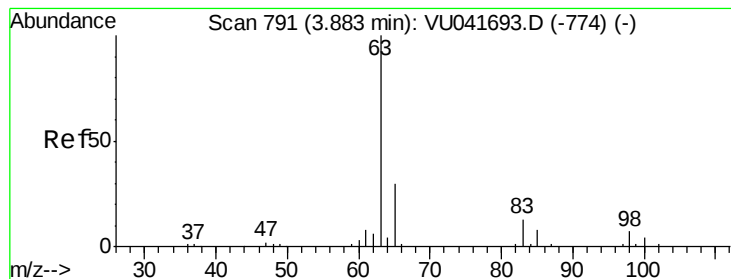
#18
trans-1,2-Dichloroethene
Concen: 5.386 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041712.D
Acq: 21 Dec 2020 20:49

Tgt Ion: 96 Resp: 54930
Ion Ratio Lower Upper
96 100
61 135.5 101.8 189.0
98 65.7 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: 5.348 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.01 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

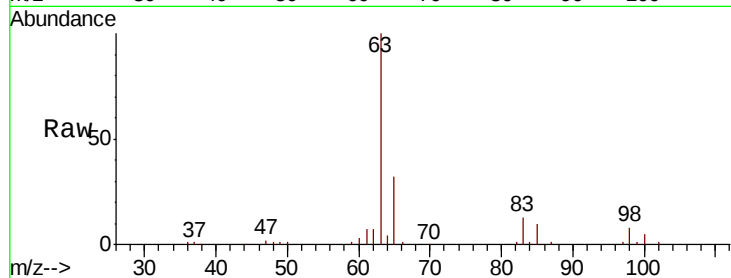
Tot Ion: 63 Resp: 101930

Ion Ratio Lower Upper

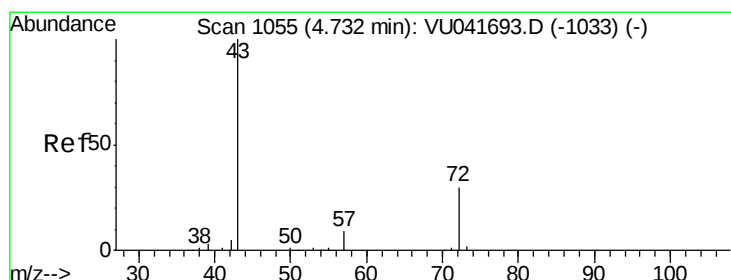
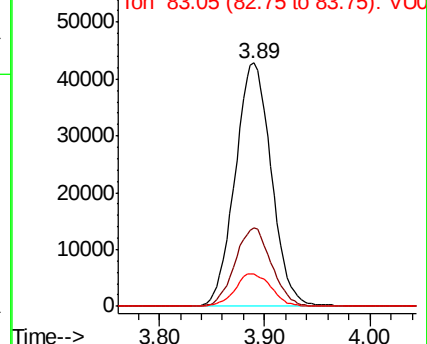
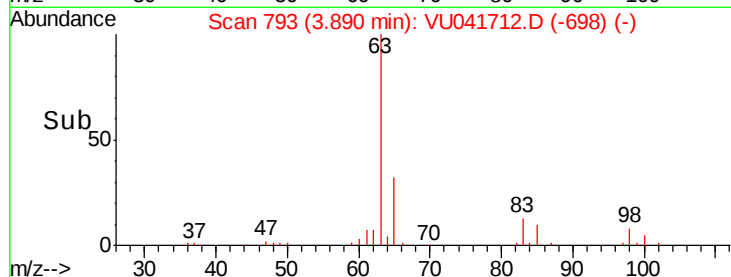
63 100

65 32.0 21.3 39.6

83 13.1 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU041712.D (-698) (-)



#21

2-Butanone

Concen: 43.466 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.01 min

Lab File: VU041712.D

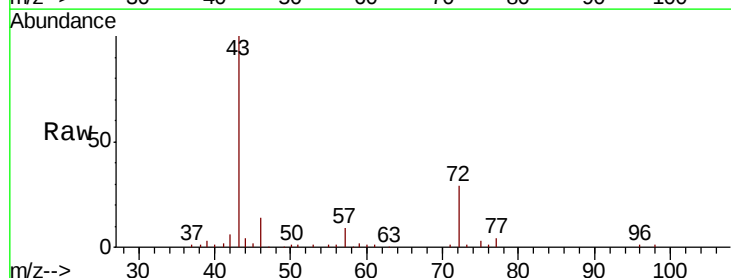
Acq: 21 Dec 2020 20:49

Tgt Ion: 43 Resp: 146987

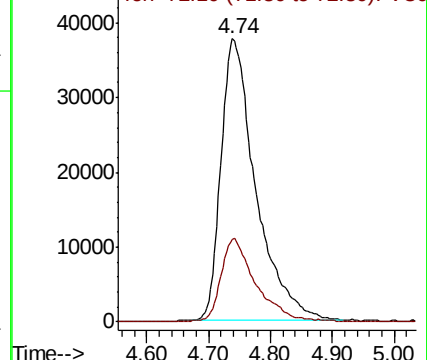
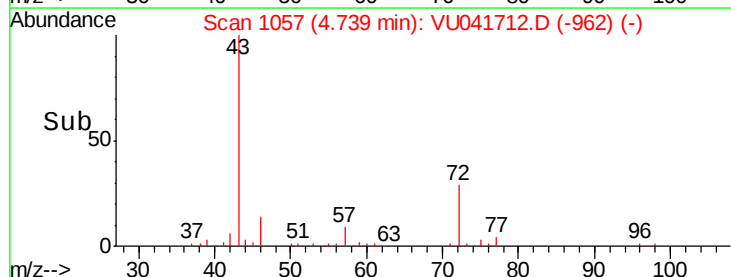
Ion Ratio Lower Upper

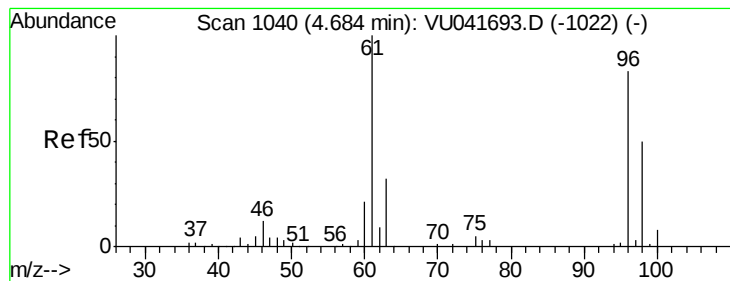
43 100

72 29.5 14.6 44.0



Abundance Ion 43.05 (42.75 to 43.75): VU041712.D (-962) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.278 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

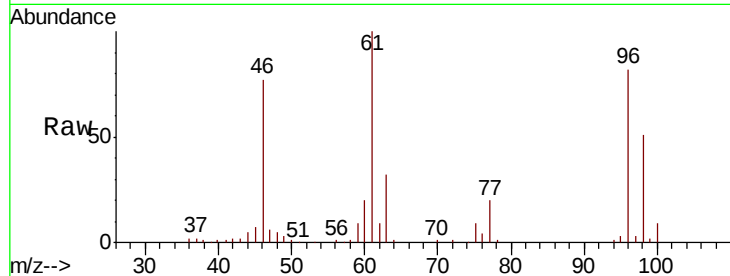
Tot Ion: 96 Resp: 59495

Ion Ratio Lower Upper

96 100

61 122.2 88.8 165.0

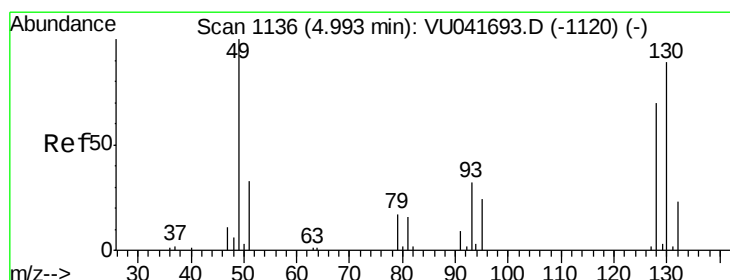
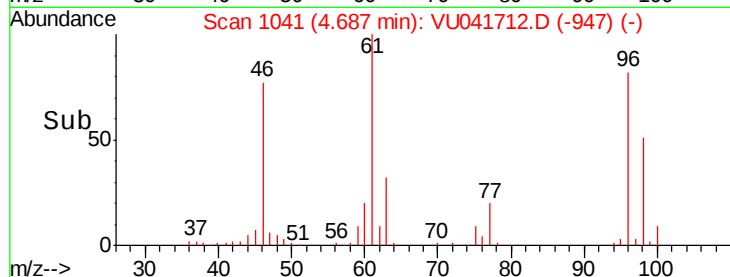
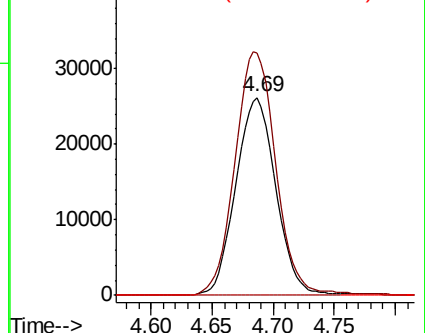
68 0.0 0.0 0.0



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: 5.303 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

Tgt Ion:128 Resp: 27458

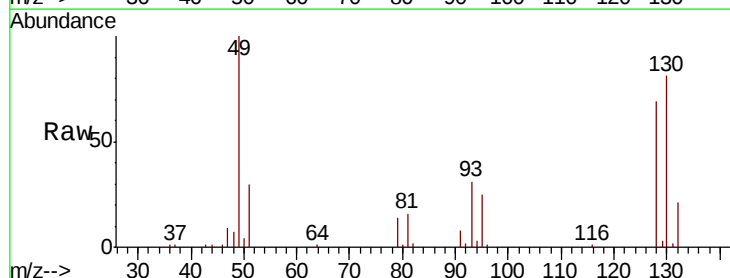
Ion Ratio Lower Upper

128 100

49 144.6 109.3 203.1

130 117.8 84.8 157.6

51 43.9 40.6 61.0

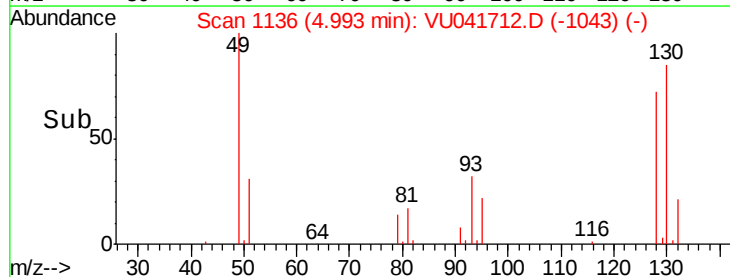
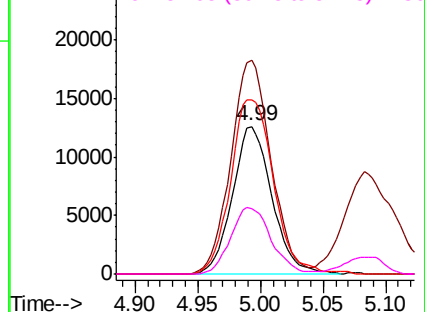


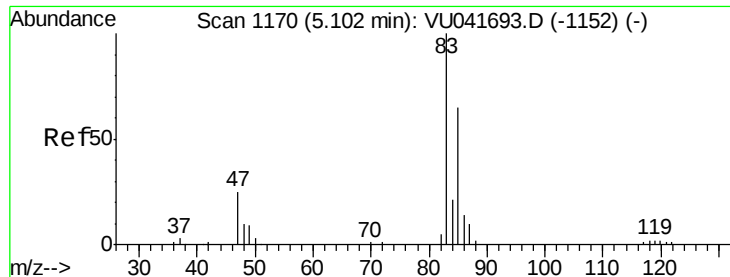
Abundance Ion 127.90 (127.60 to 128.60): V

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

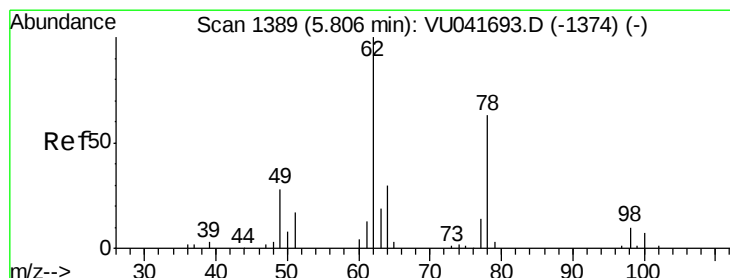
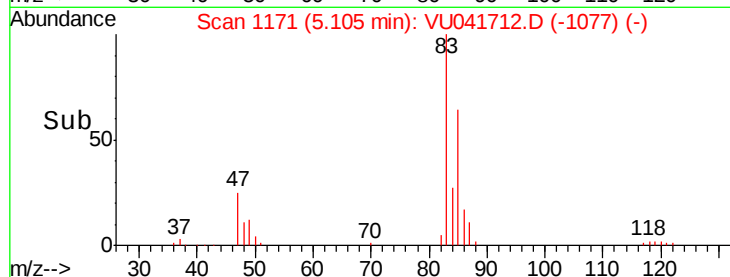
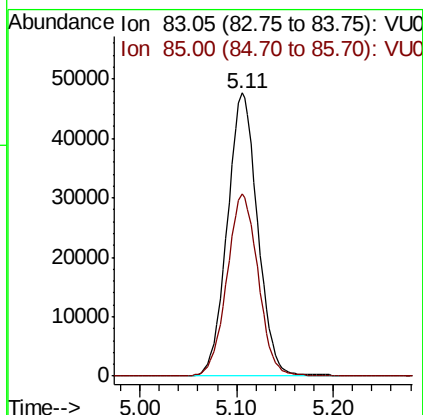
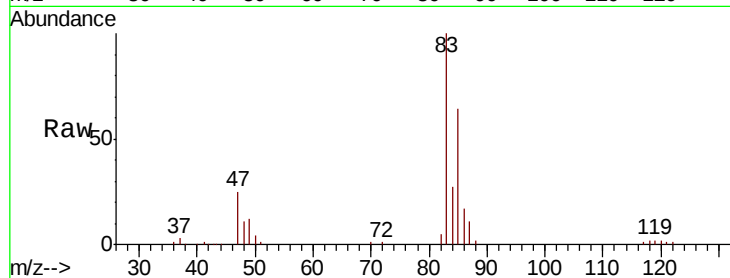




#25
Chloroform
Concen: 5.414 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041712.D
Acq: 21 Dec 2020 20:49

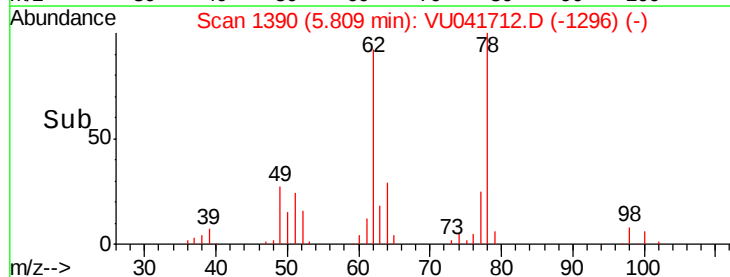
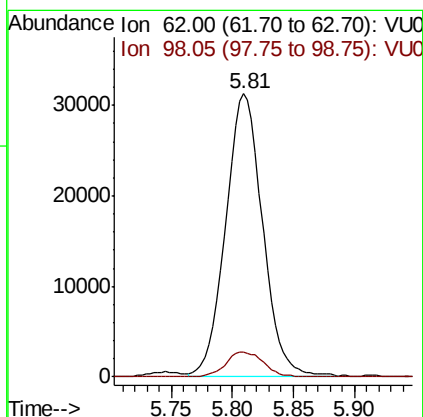
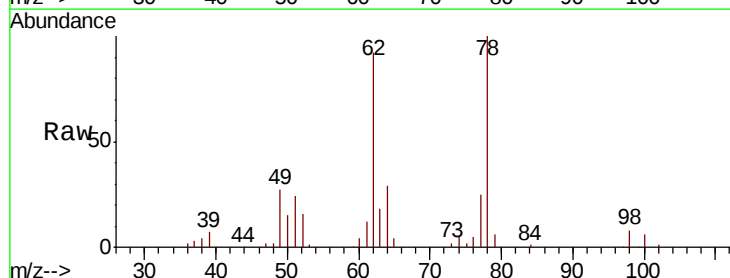
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

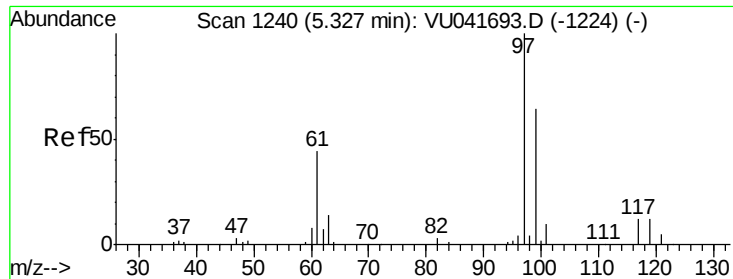
Tot Ion: 83 Resp: 103926
Ion Ratio Lower Upper
83 100
85 64.4 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.065 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041712.D
Acq: 21 Dec 2020 20:49

Tgt Ion: 62 Resp: 65839
Ion Ratio Lower Upper
62 100
98 8.6 8.2 12.2

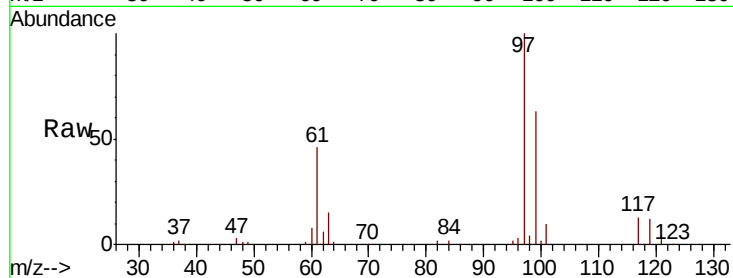




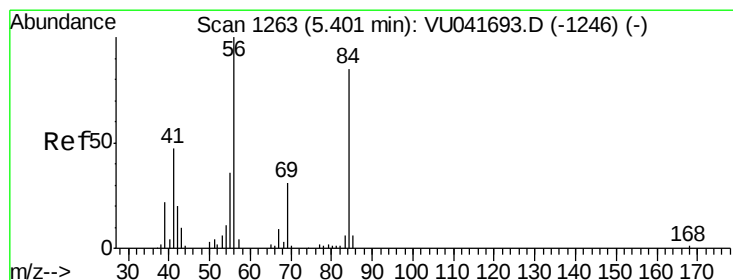
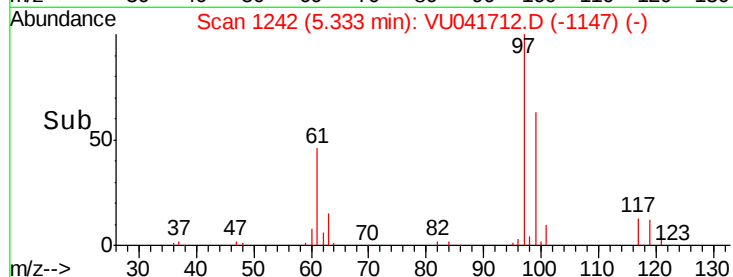
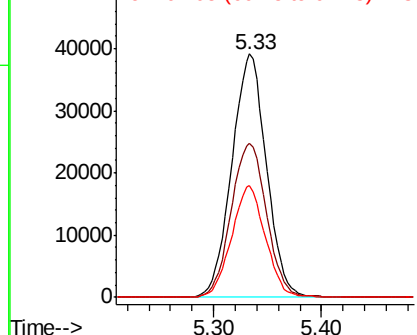
#29
1,1,1-Trichloroethane
Concen: 5.476 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VU041712.D
Acq: 21 Dec 2020 20:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion: 97 Resp: 87011
Ion Ratio Lower Upper
97 100
99 64.9 51.3 76.9
61 45.0 36.5 54.7

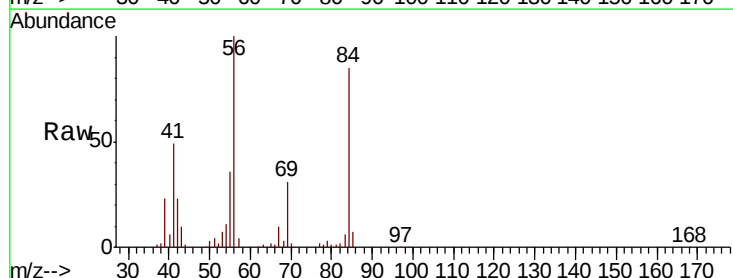


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

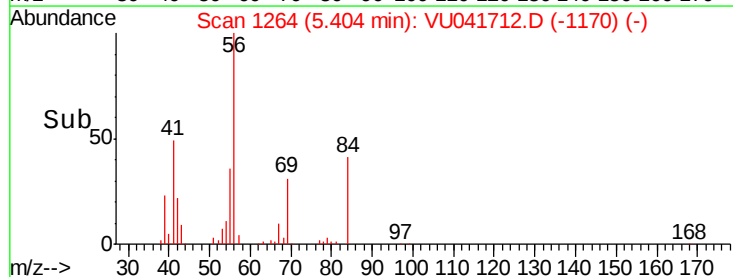
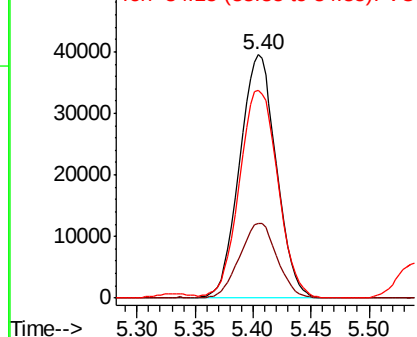


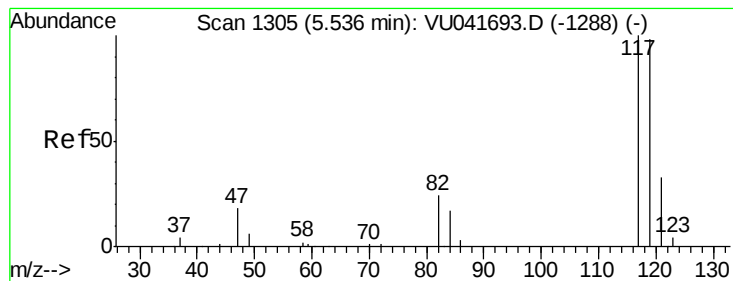
#30
Cyclohexane
Concen: 4.871 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041712.D
Acq: 21 Dec 2020 20:49

Tgt Ion: 56 Resp: 86753
Ion Ratio Lower Upper
56 100
69 31.4 23.8 35.8
84 90.2 66.2 99.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.493 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

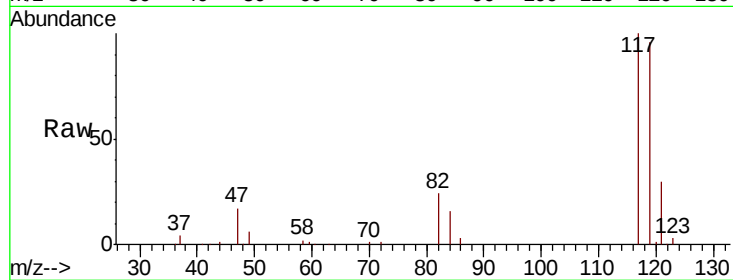
VSTD00522

Tot Ion:117 Resp: 75475

Ion Ratio Lower Upper

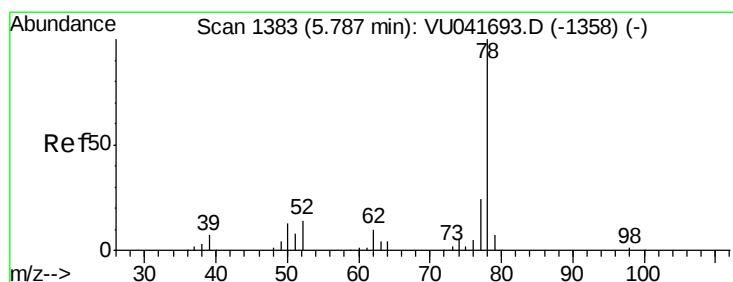
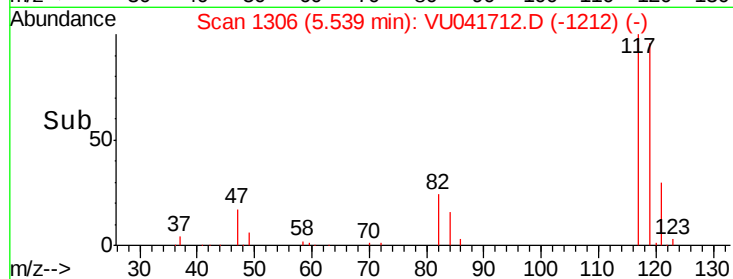
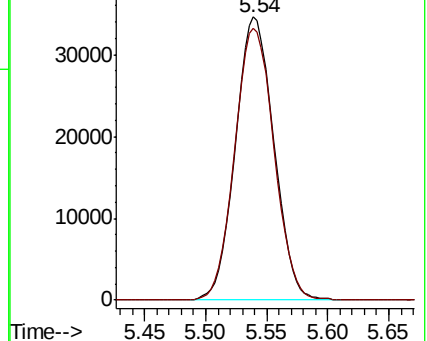
117 100

119 98.2 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: 5.220 ug/L

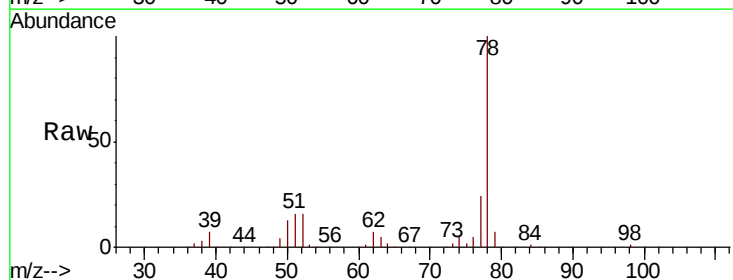
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

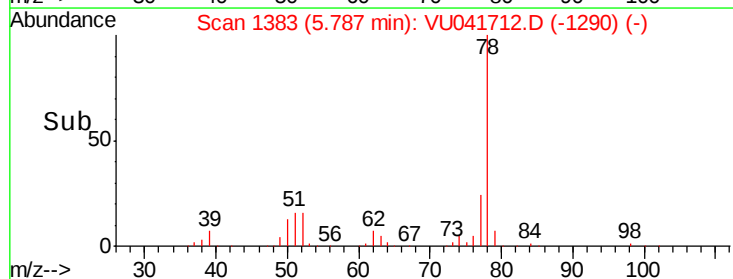
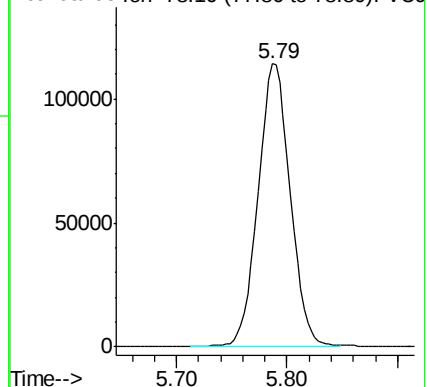
Lab File: VU041712.D

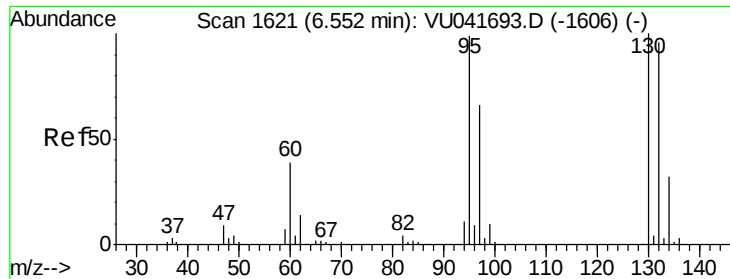
Acq: 21 Dec 2020 20:49

Tgt Ion: 78 Resp: 231010



Abundance Ion 78.10 (77.80 to 78.80): VU0

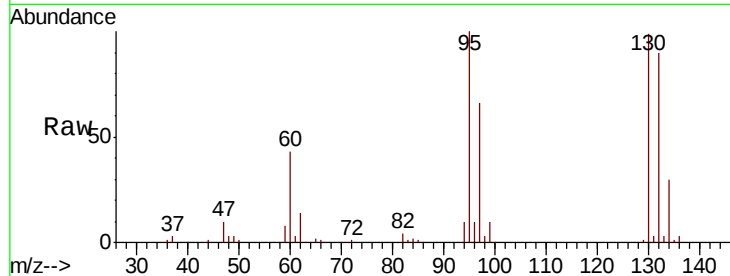




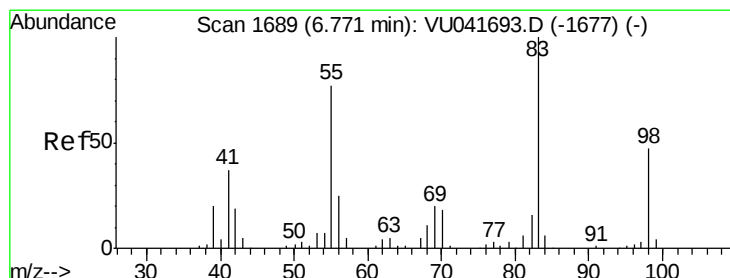
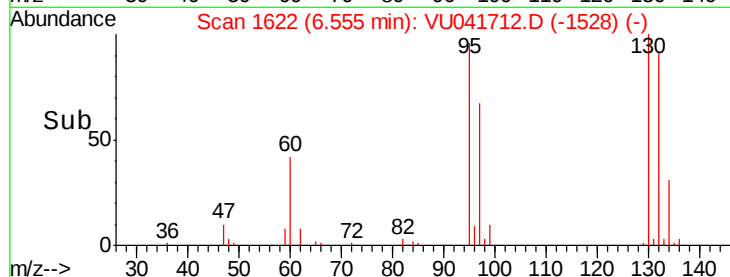
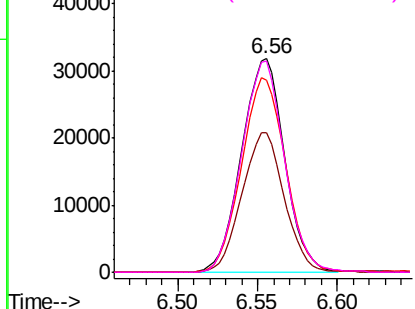
#34
 Trichloroethene
 Concen: 5.268 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041712.D
 Acq: 21 Dec 2020 20:49

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD00522

Tot Ion: 95 Resp: 58575
 Ion Ratio Lower Upper
 95 100
 97 65.6 43.9 81.5
 132 90.2 63.1 117.3
 130 98.6 67.4 125.2

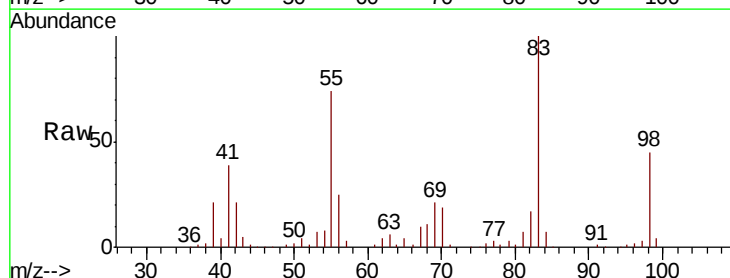


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

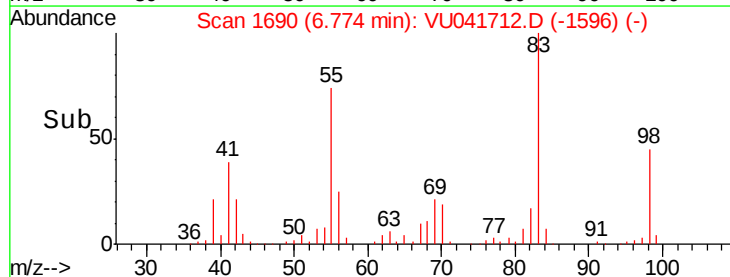
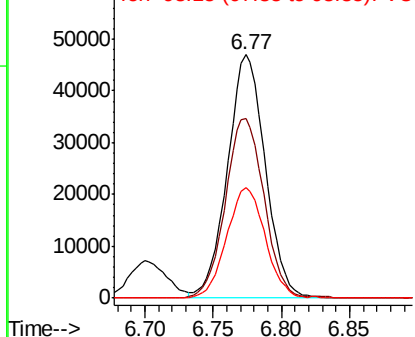


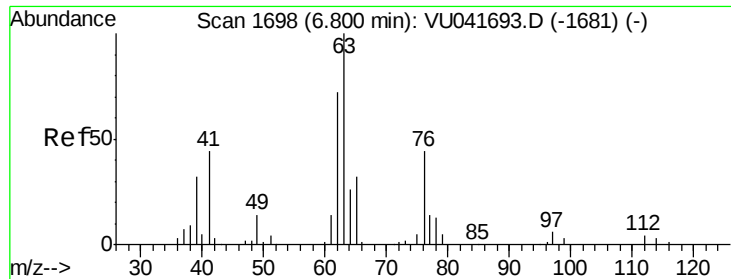
#35
 Methylcyclohexane
 Concen: 5.039 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041712.D
 Acq: 21 Dec 2020 20:49

Tgt Ion: 83 Resp: 90569
 Ion Ratio Lower Upper
 83 100
 55 75.2 61.2 91.8
 98 46.0 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

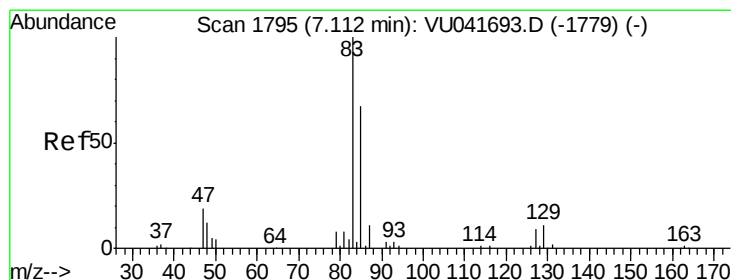
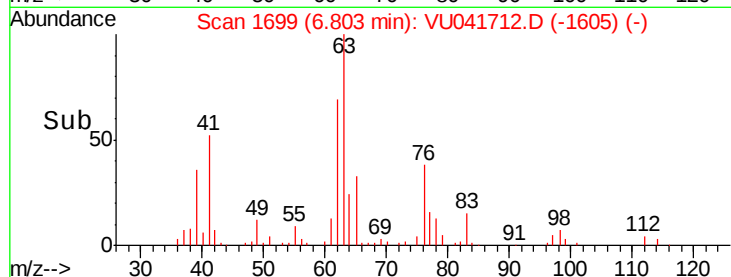
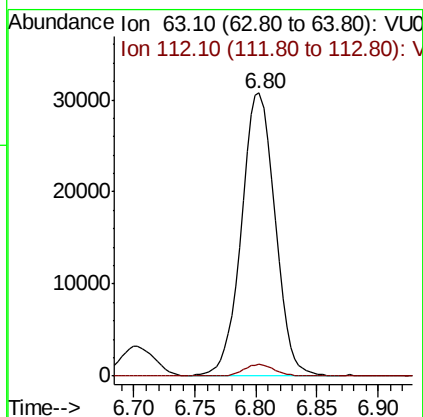
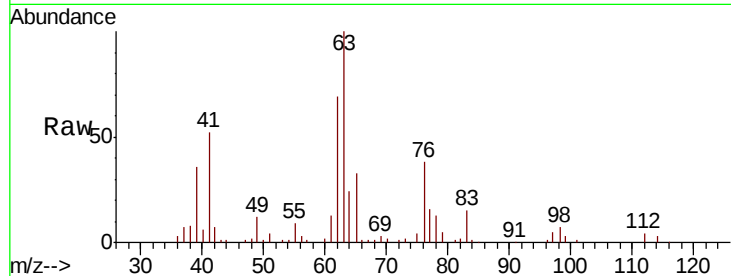




#37
 1,2-Dichloropropane
 Concen: 5.182 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041712.D
 Acq: 21 Dec 2020 20:49

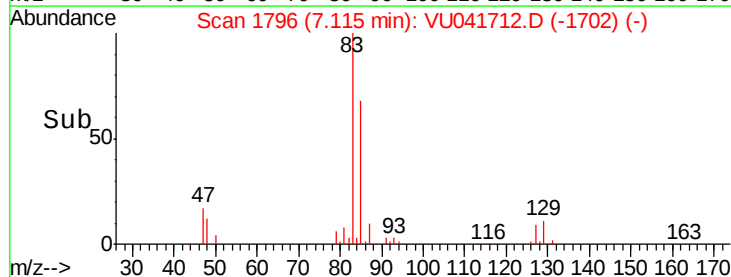
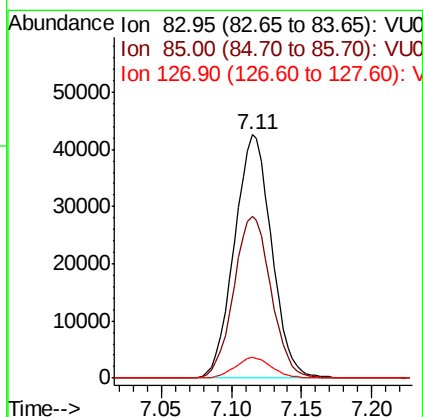
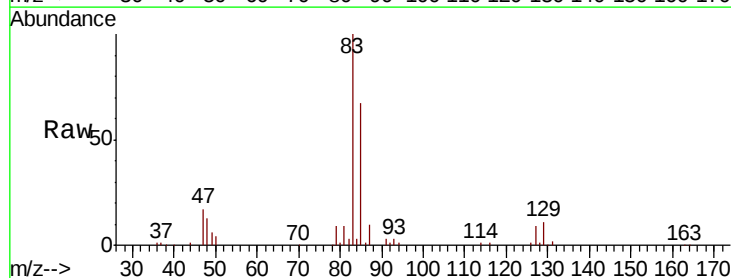
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

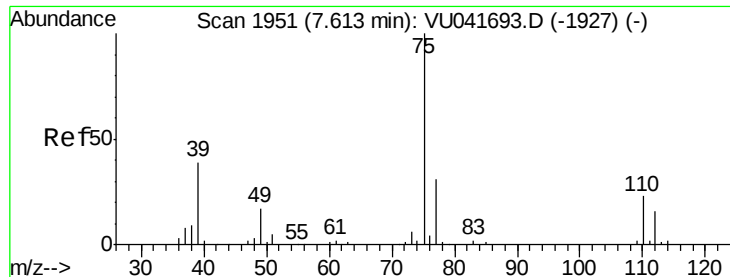
Tot Ion: 63 Resp: 58651
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.594 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041712.D
 Acq: 21 Dec 2020 20:49

Tgt Ion: 83 Resp: 78768
 Ion Ratio Lower Upper
 83 100
 85 66.6 45.5 84.5
 127 8.6 7.0 10.6

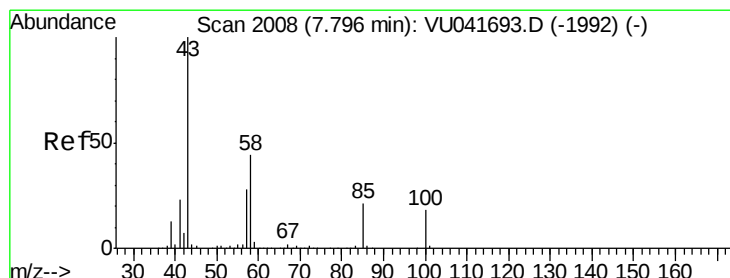
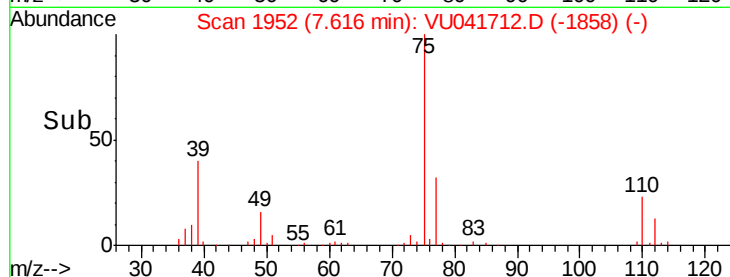
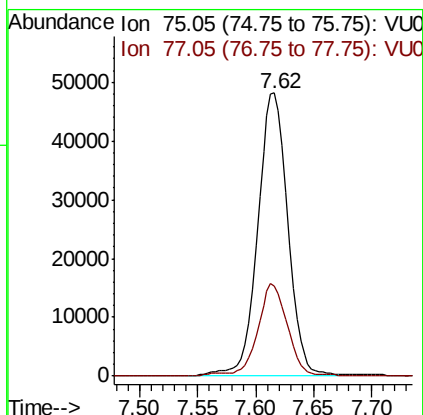
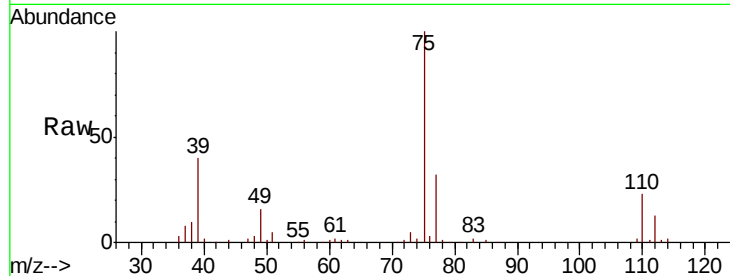




#39
 cis-1,3-Dichloropropene
 Concen: 5.210 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041712.D
 Acq: 21 Dec 2020 20:49

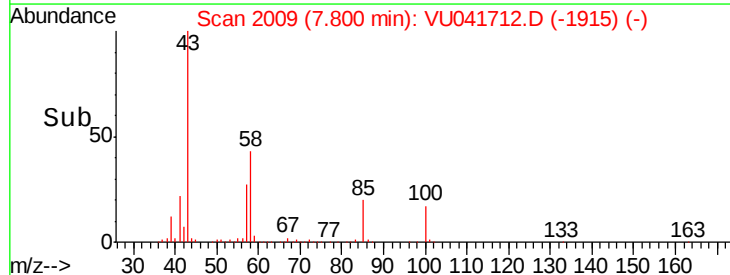
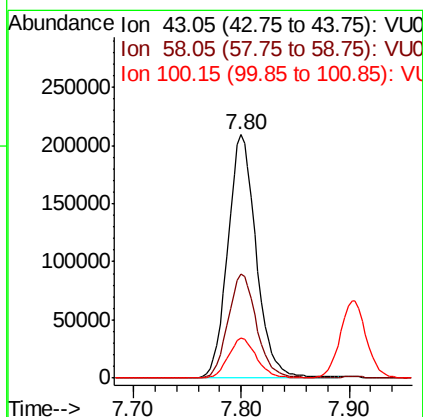
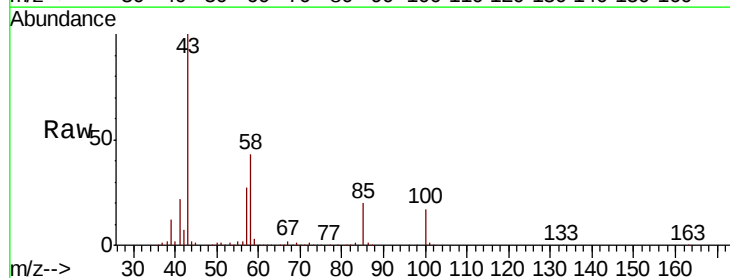
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

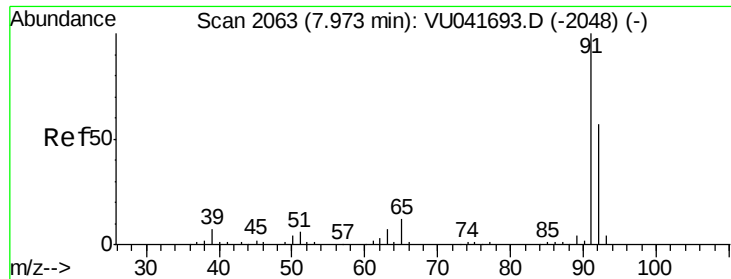
Tot Ion: 75 Resp: 87374
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 47.680 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041712.D
 Acq: 21 Dec 2020 20:49

Tgt Ion: 43 Resp: 384008
 Ion Ratio Lower Upper
 43 100
 58 43.1 34.2 51.2
 100 16.3 12.3 18.5





#42

Toluene

Concen: 5.440 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

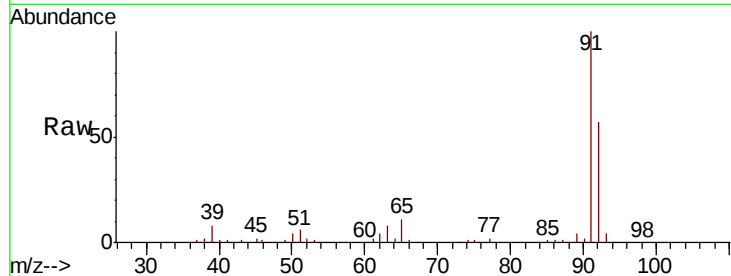
VSTD00522

Tot Ion: 91 Resp: 248526

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041712.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU041712.D (-1970) (-)

7.98

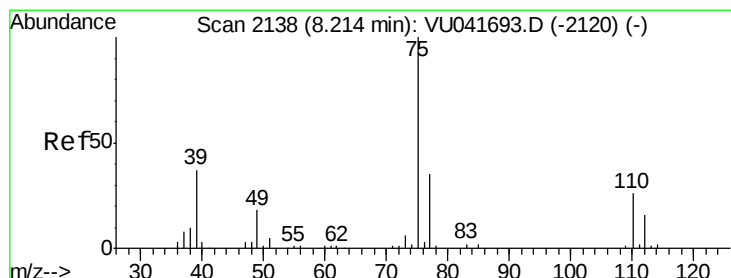
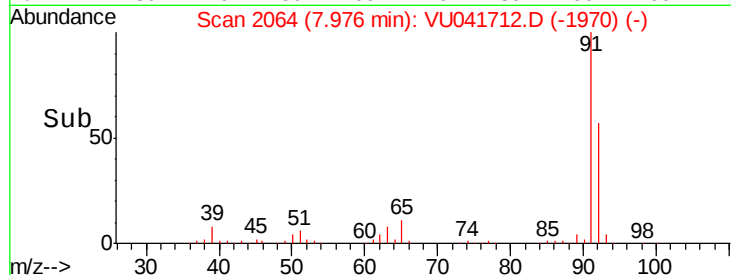
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.925 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041712.D

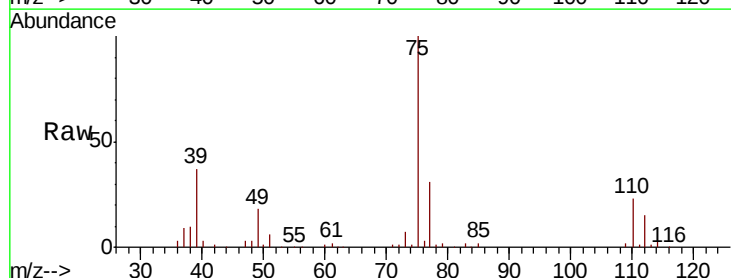
Acq: 21 Dec 2020 20:49

Tgt Ion: 75 Resp: 73866

Ion Ratio Lower Upper

75 100

77 30.9 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041712.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU041712.D (-2045) (-)

8.21

50000

40000

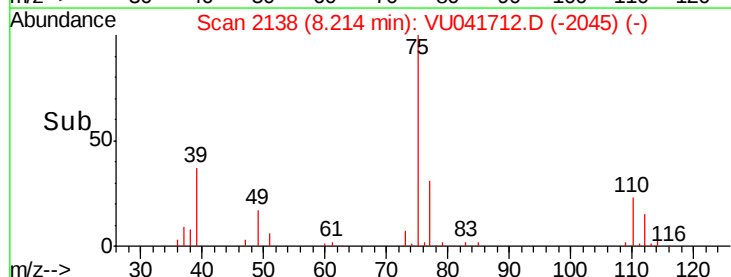
30000

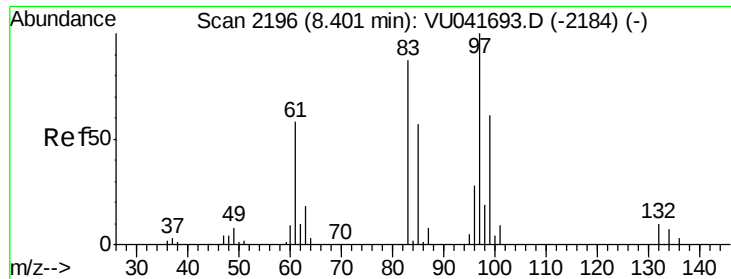
20000

10000

0

Time-->

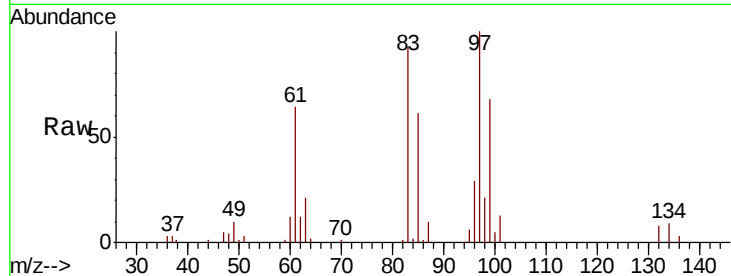




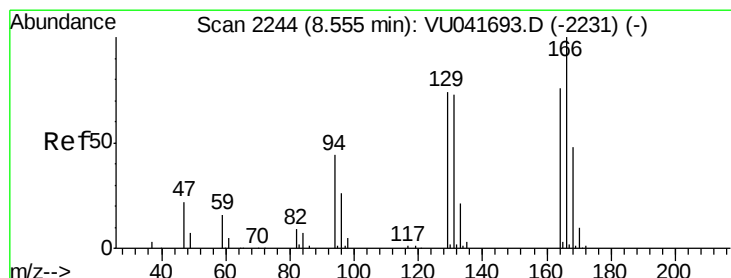
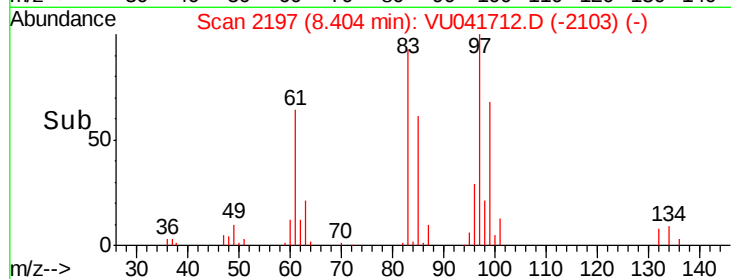
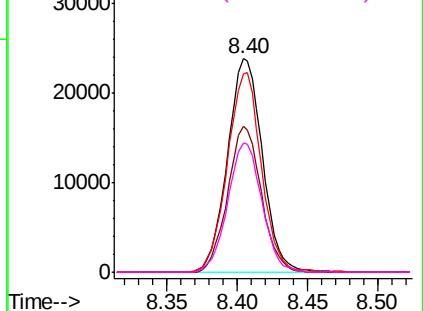
#45
 1,1,2-Trichloroethane
 Concen: 4.920 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU041712.D
 Acq: 21 Dec 2020 20:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion:	97	Resp:	41180
Ion	Ratio	Lower	Upper
97	100		
99	68.1	42.1	78.3
83	92.7	62.6	116.2
85	60.5	39.1	72.7

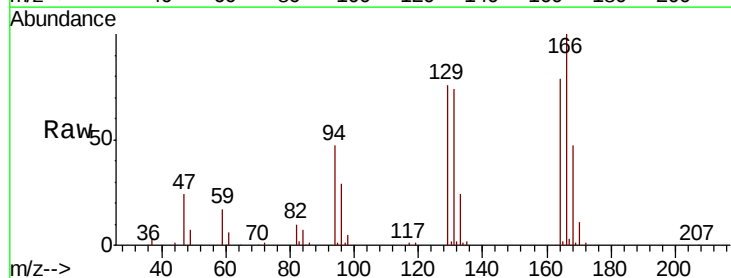


Abundance Ion 96.95 (96.65 to 97.65): VU041712.D (-2196) (-)

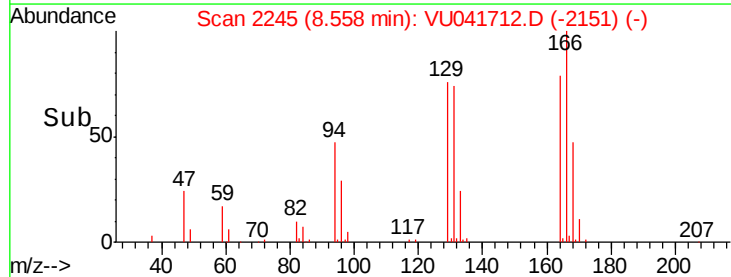
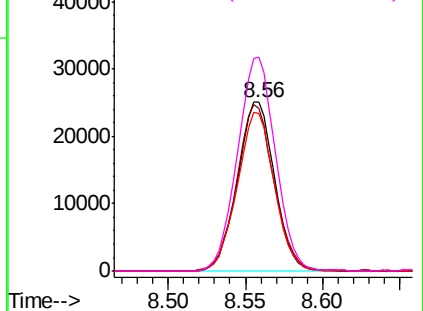


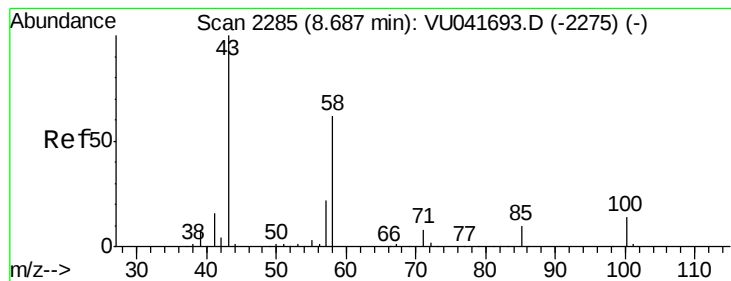
#47
 Tetrachloroethene
 Concen: 5.364 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041712.D
 Acq: 21 Dec 2020 20:49

Tgt Ion:	164	Resp:	41754
Ion	Ratio	Lower	Upper
164	100		
129	96.5	72.2	134.0
131	93.5	66.9	124.3
166	126.4	89.6	166.4



Abundance Ion 163.90 (163.60 to 164.60): VU041712.D (-2244) (-)





#48

2-Hexanone

Concen: 44.271 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

Tot Ion: 43 Resp: 259490

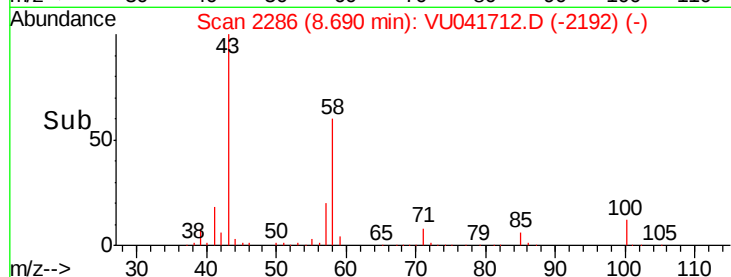
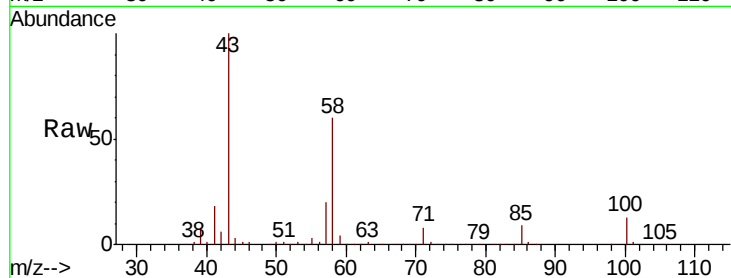
Ion Ratio Lower Upper

43 100

58 58.4 47.9 71.9

57 20.5 16.5 24.7

100 12.5 9.4 14.2

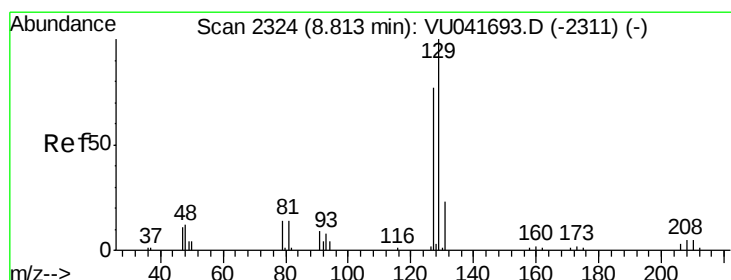
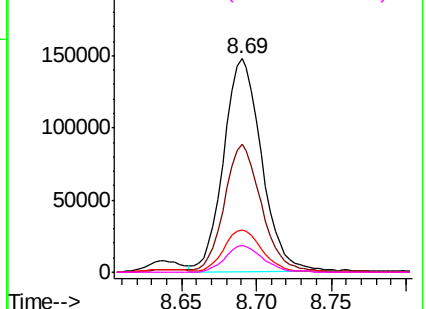


Abundance Ion 43.05 (42.75 to 43.75): VU041712.D (-2192) (-)

Ion 58.05 (57.75 to 58.75): VU041712.D (-2192) (-)

Ion 57.20 (56.90 to 57.90): VU041712.D (-2192) (-)

Ion 100.15 (99.85 to 100.85): VU041712.D (-2192) (-)



#49

Dibromochloromethane

Concen: 5.102 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU041712.D

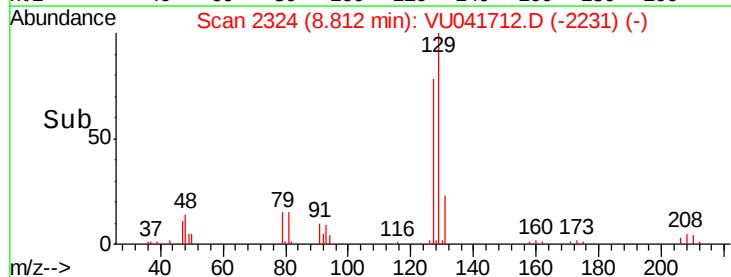
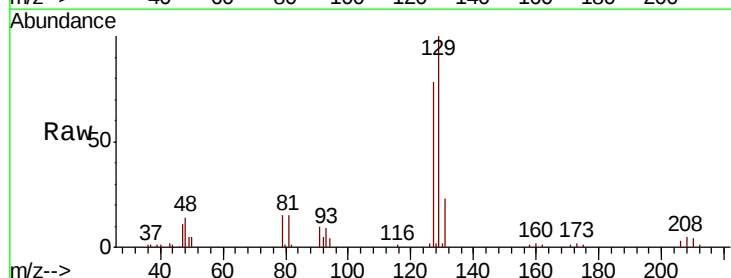
Acq: 21 Dec 2020 20:49

Tgt Ion: 129 Resp: 49050

Ion Ratio Lower Upper

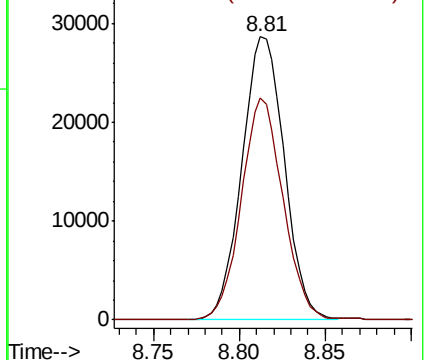
129 100

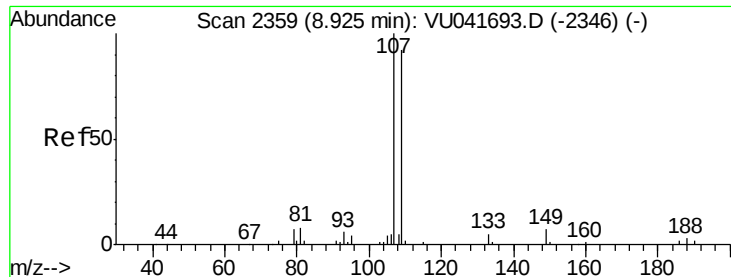
127 78.4 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VU041712.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU041712.D (-2231) (-)

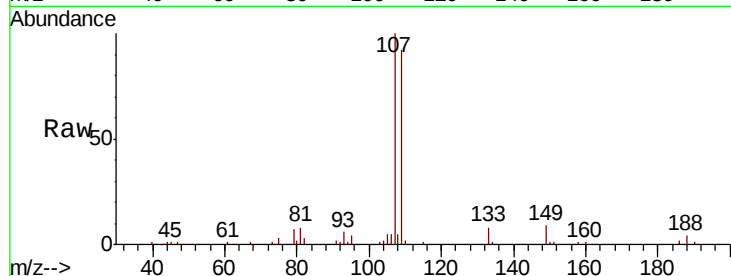




#50
1,2-Dibromoethane
Concen: 4.693 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041712.D
Acq: 21 Dec 2020 20:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	65.6	121.8
188	3.7	2.6	4.0

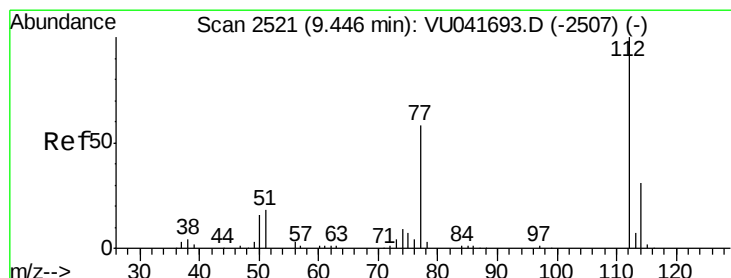
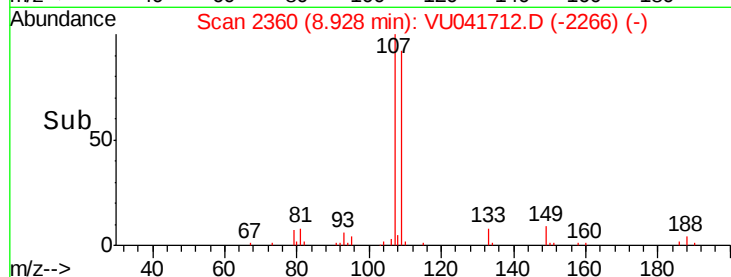
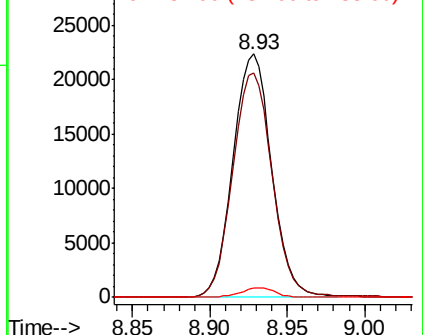


Abundance

Ion 106.95 (106.65 to 107.65): V

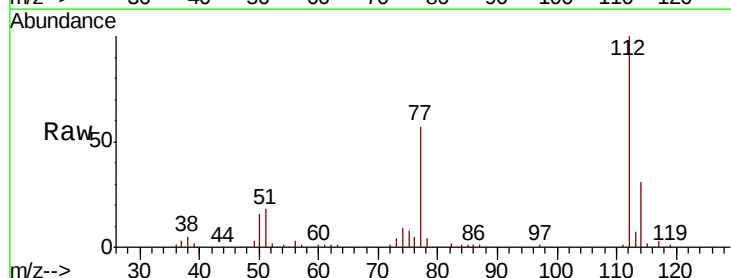
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 5.408 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041712.D
Acq: 21 Dec 2020 20:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.8	22.7	42.3
77	57.1	49.1	73.7

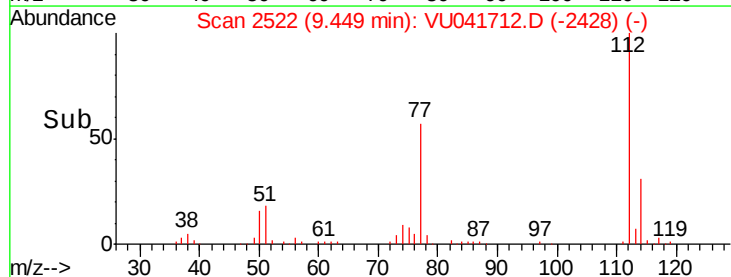
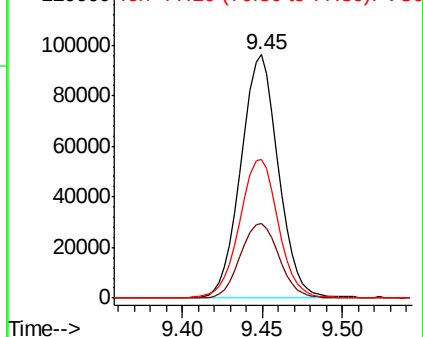


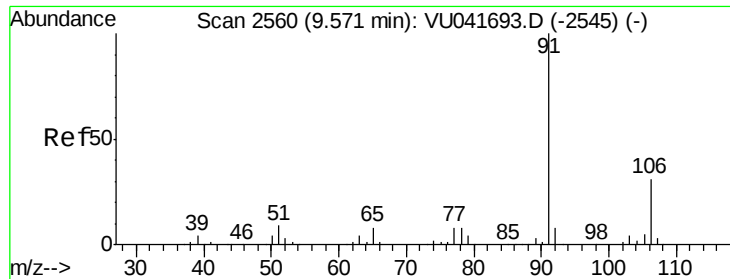
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 5.275 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

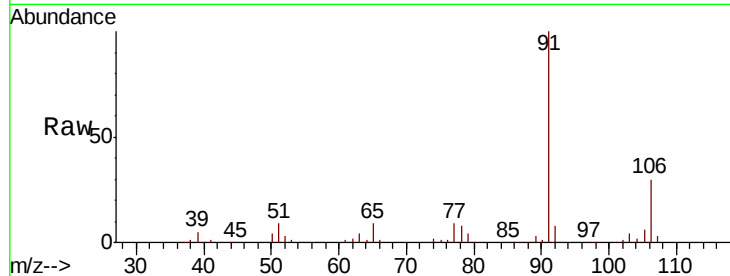
VSTD00522

Tot Ion: 91 Resp: 256637

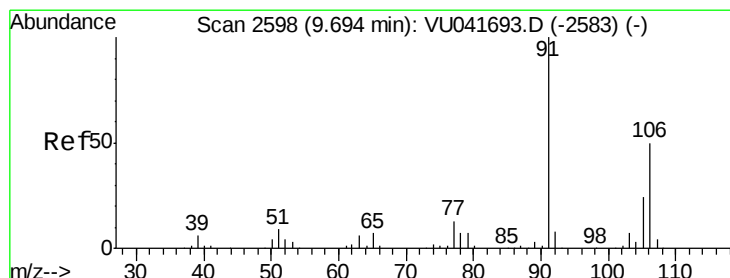
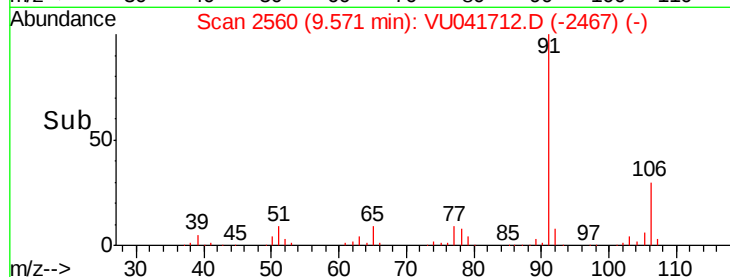
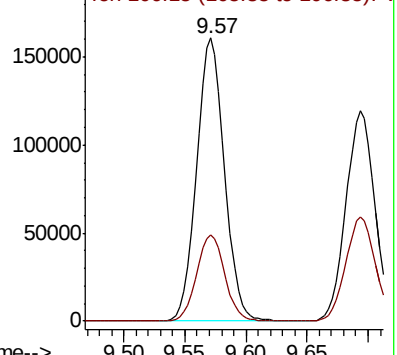
Ion Ratio Lower Upper

91 100

106 30.3 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041712.D (-2545) (-)



#53

m,p-Xylene

Concen: 5.470 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041712.D

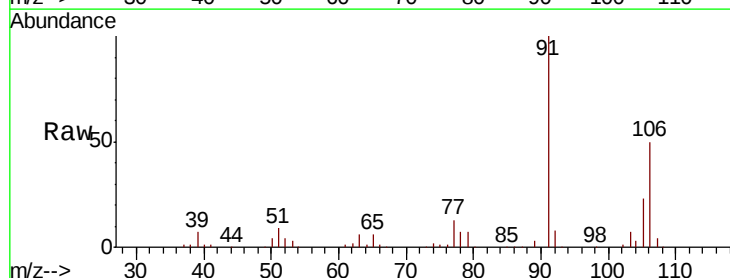
Acq: 21 Dec 2020 20:49

Tgt Ion: 106 Resp: 99247

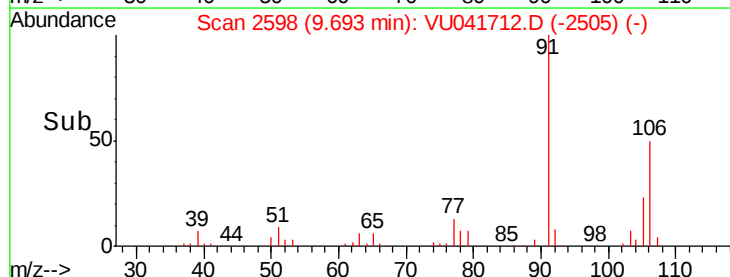
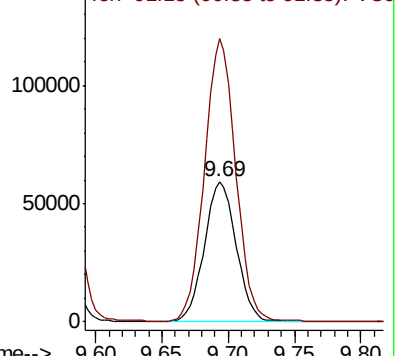
Ion Ratio Lower Upper

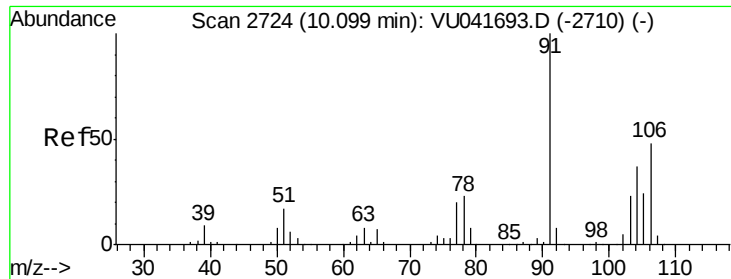
106 100

91 201.2 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041712.D (-2583) (-)

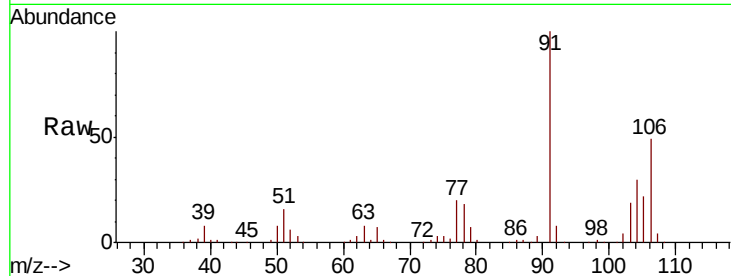




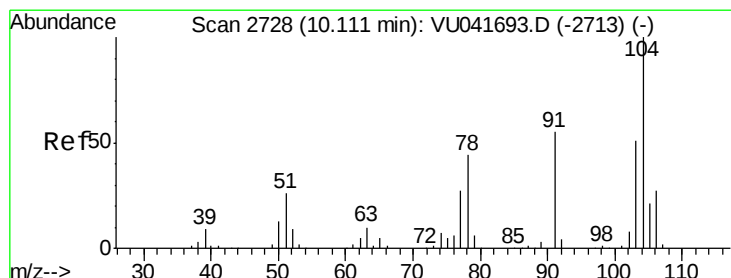
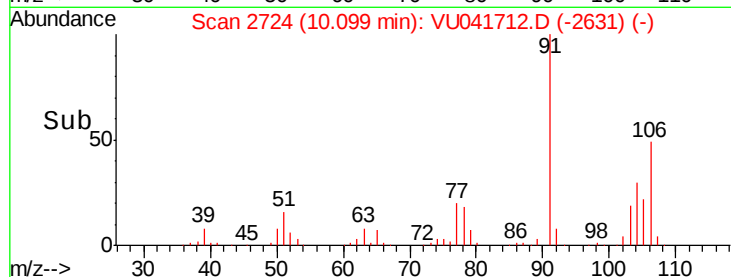
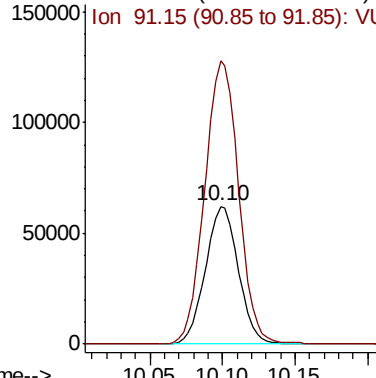
#54
o-Xylene
Concen: 5.526 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041712.D
Acq: 21 Dec 2020 20:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion:106 Resp: 98201
Ion Ratio Lower Upper
106 100
91 205.7 151.3 281.1

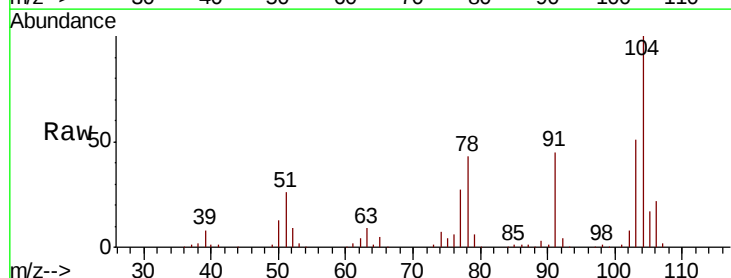


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

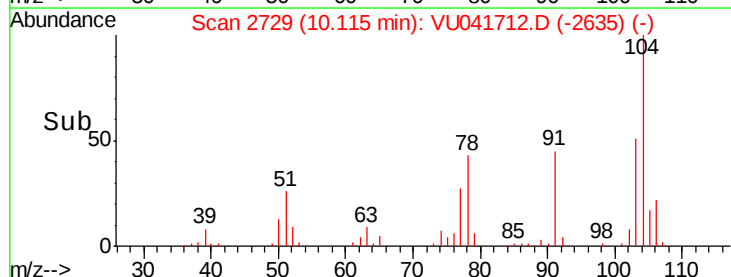
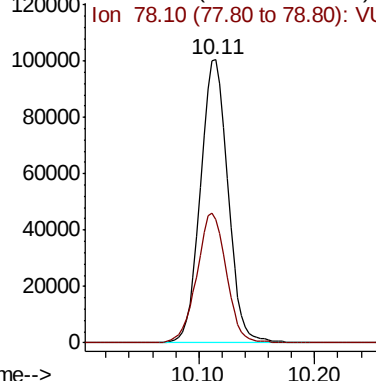


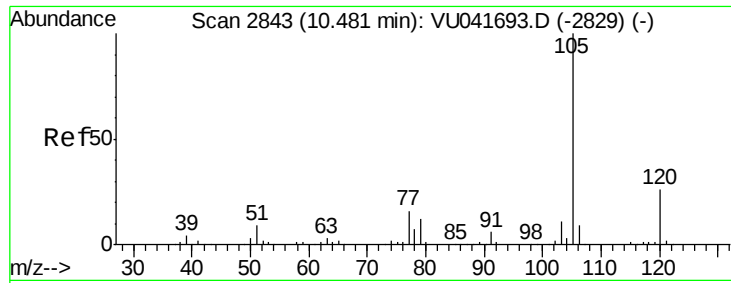
#55
Styrene
Concen: 5.349 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041712.D
Acq: 21 Dec 2020 20:49

Tgt Ion:104 Resp: 164189
Ion Ratio Lower Upper
104 100
78 43.5 31.1 57.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.435 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

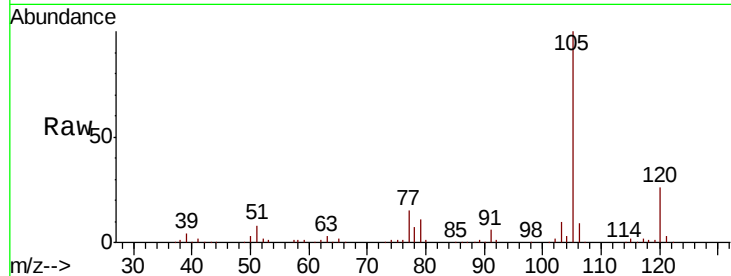
Tot Ion:105 Resp: 257059

Ion Ratio Lower Upper

105 100

120 26.7 20.5 30.7

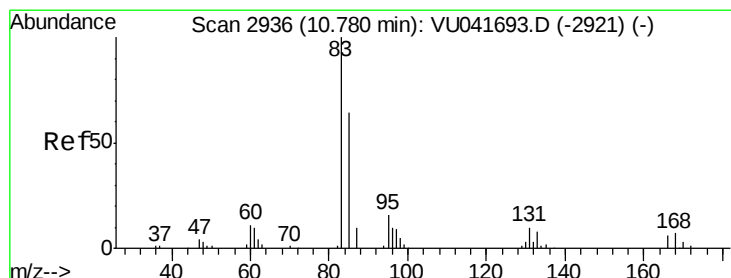
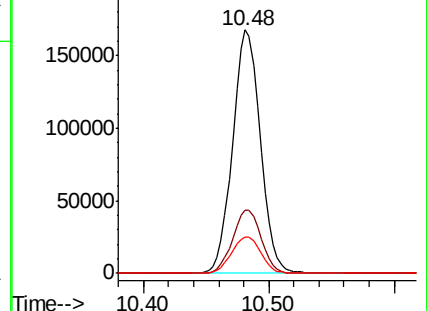
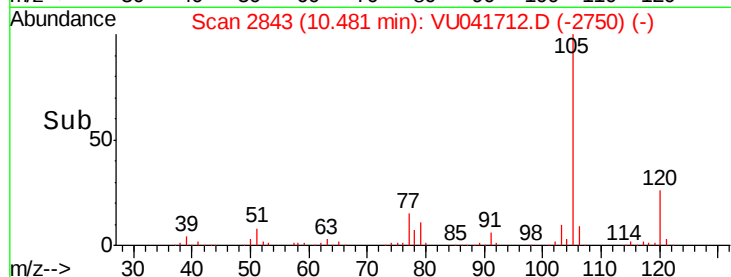
77 15.8 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.646 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

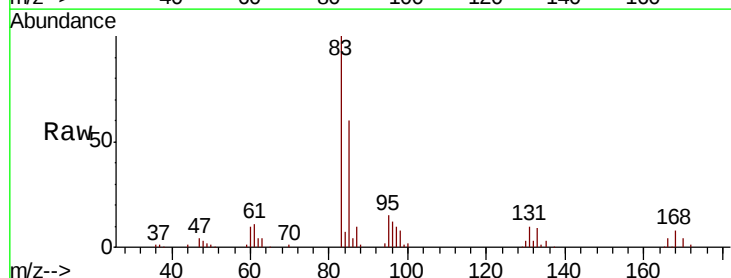
Tgt Ion: 83 Resp: 54108

Ion Ratio Lower Upper

83 100

85 59.8 46.1 85.7

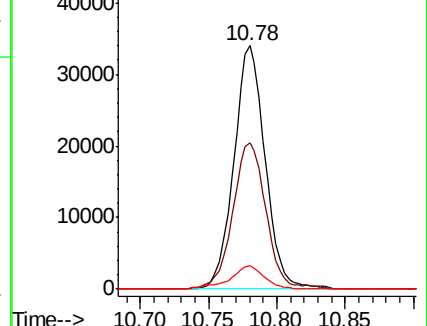
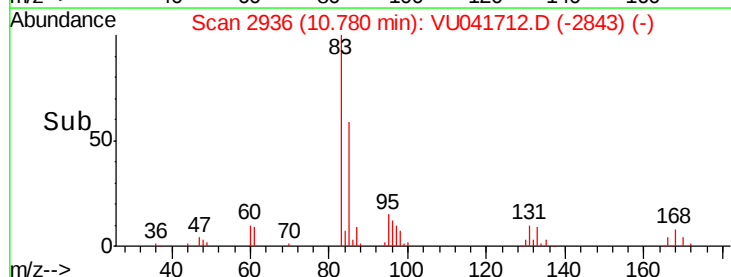
131 9.6 7.8 11.6

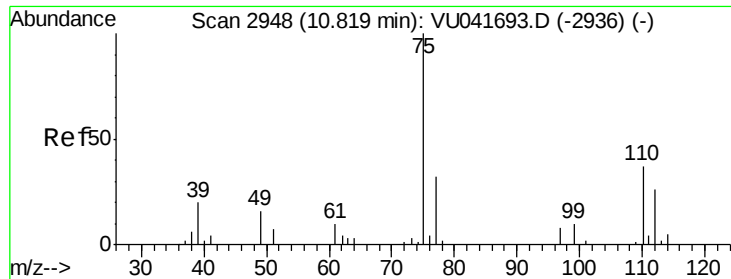


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

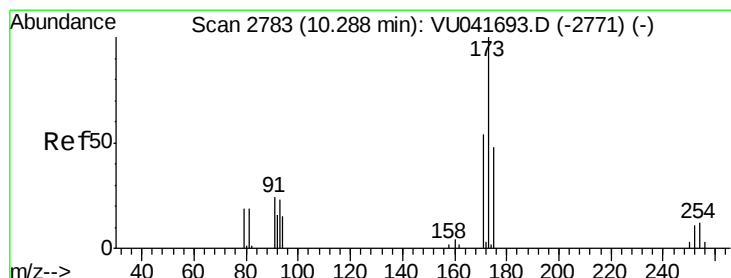
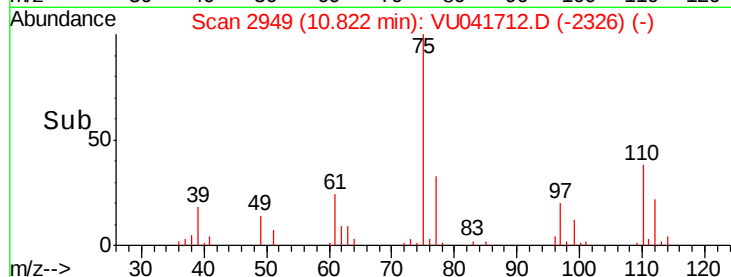
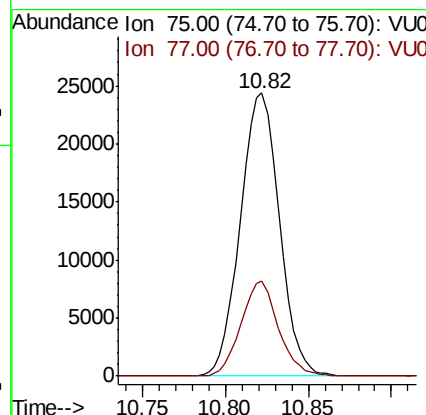
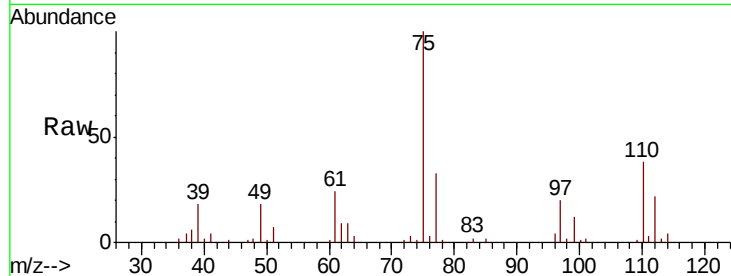




#59
 1,2,3-Trichloropropane
 Concen: 4.703 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU041712.D
 Acq: 21 Dec 2020 20:49

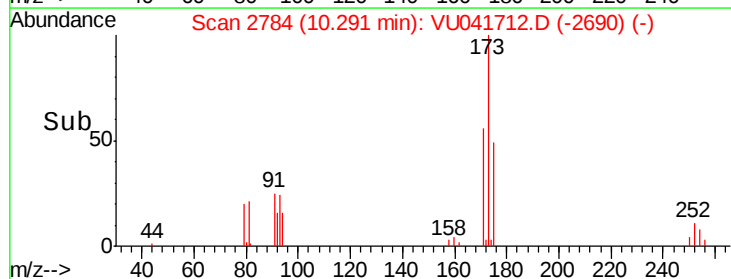
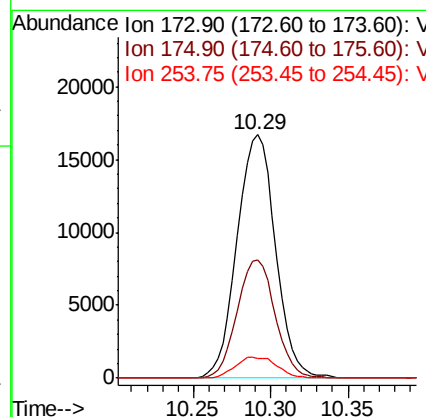
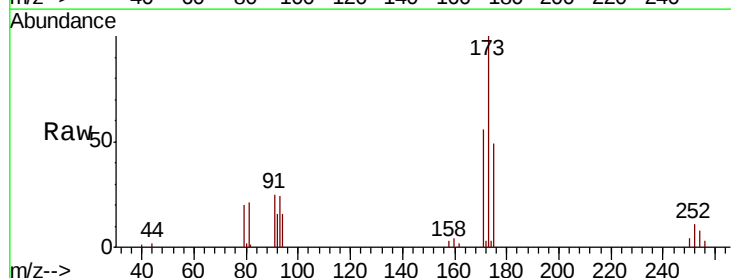
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

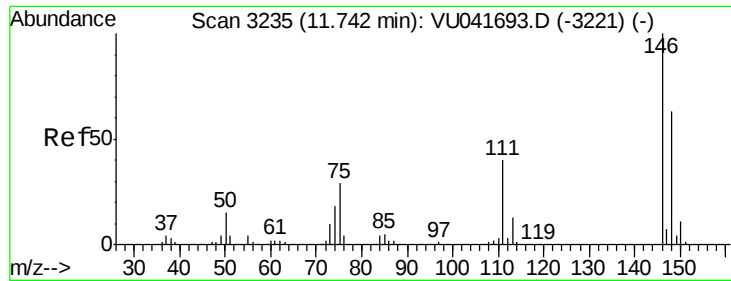
Tot Ion: 75 Resp: 39980
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2



#61
 Bromoform
 Concen: 5.551 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041712.D
 Acq: 21 Dec 2020 20:49

Tgt Ion: 173 Resp: 28848
 Ion Ratio Lower Upper
 173 100
 175 48.1 37.3 55.9
 254 9.4 7.4 11.2

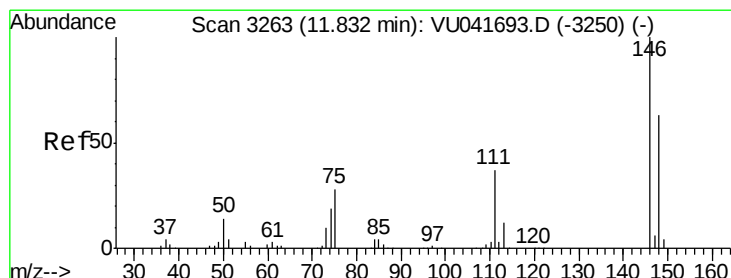
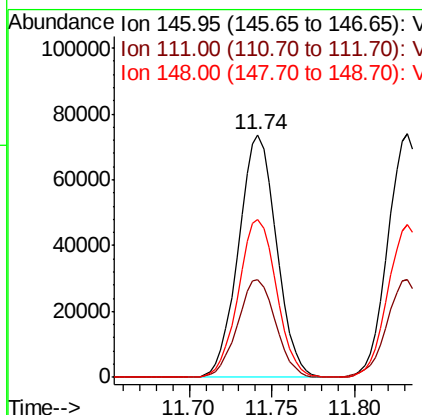
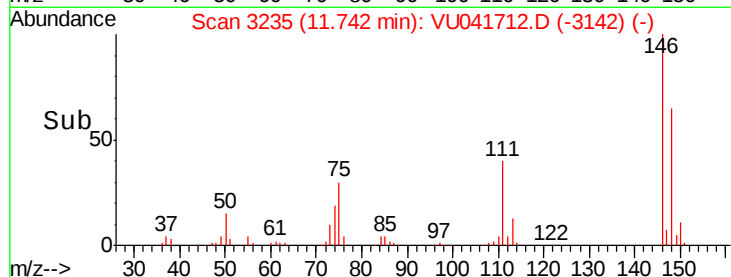
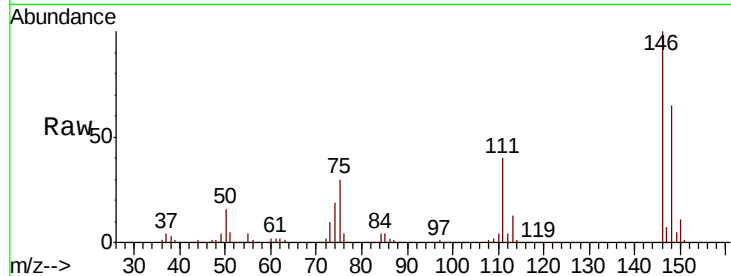




#62
 1,3-Dichlorobenzene
 Concen: 5.573 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041712.D
 Acq: 21 Dec 2020 20:49

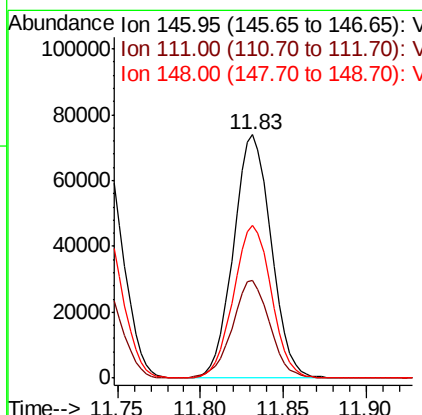
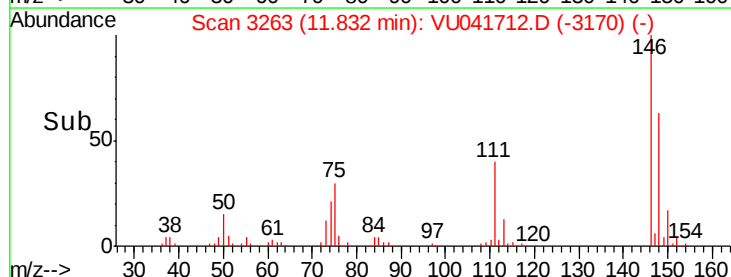
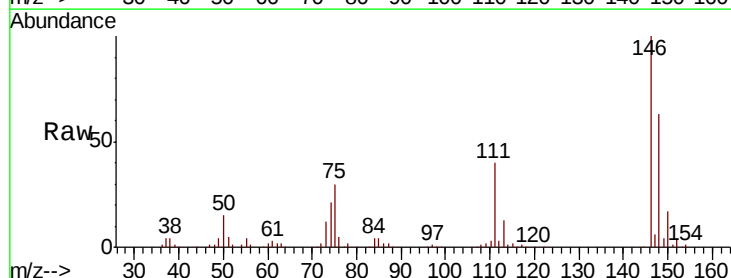
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

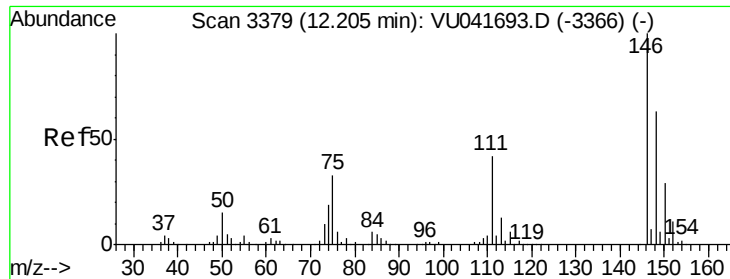
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	30.0	55.8
148	64.9	44.9	83.3



#63
 1,4-Dichlorobenzene
 Concen: 5.531 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041712.D
 Acq: 21 Dec 2020 20:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	27.9	51.9
148	62.6	45.0	83.6





#65

1,2-Dichlorobenzene

Concen: 5.593 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

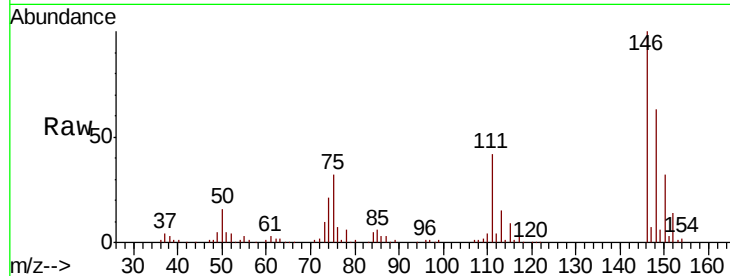
Tot Ion:146 Resp: 115153

Ion Ratio Lower Upper

146 100

111 42.1 35.0 52.6

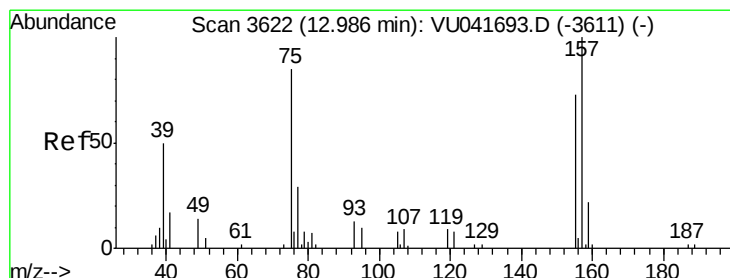
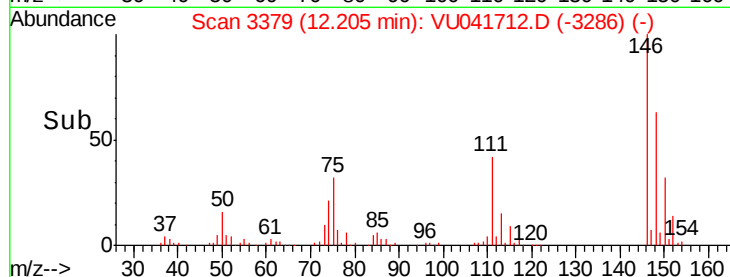
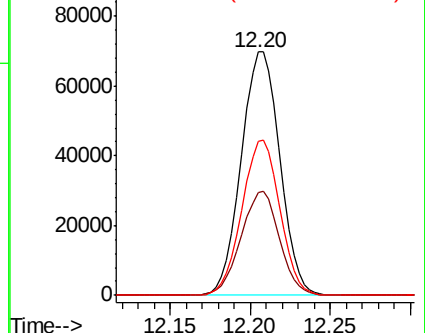
148 63.0 51.0 76.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.527 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

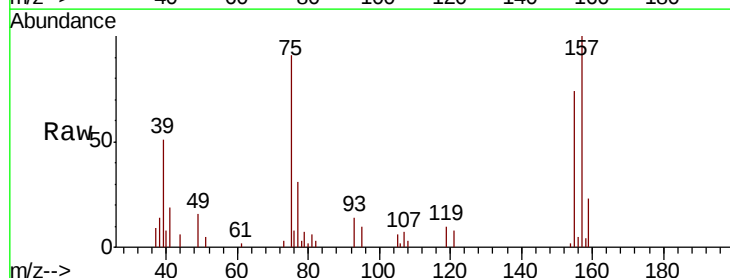
Tgt Ion: 75 Resp: 8741

Ion Ratio Lower Upper

75 100

155 80.7 57.4 86.0

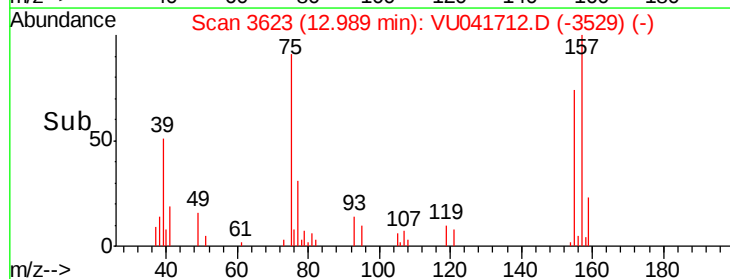
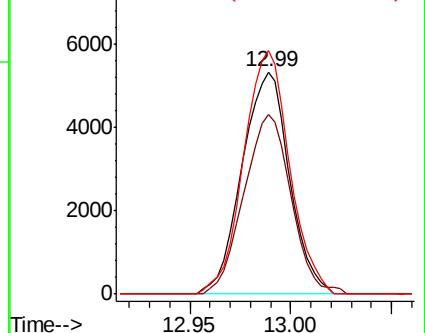
157 109.5 72.4 108.6#

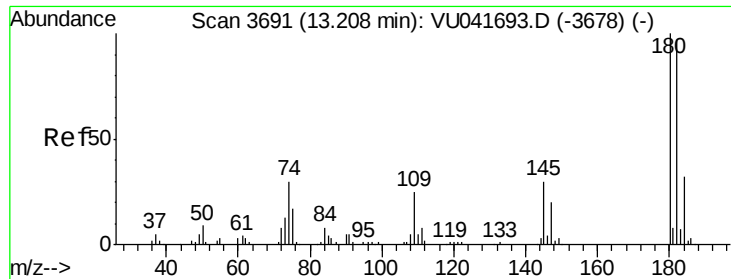


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

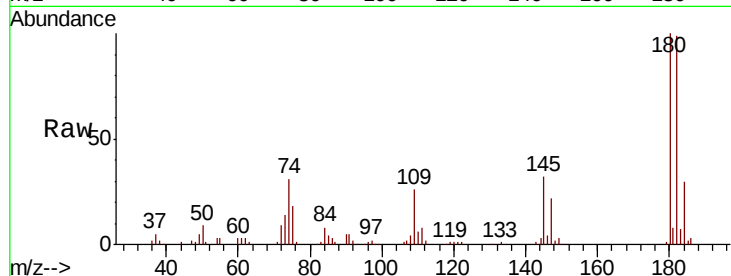




#67
 1,3,5-Trichlorobenzene
 Concen: 5.062 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041712.D
 Acq: 21 Dec 2020 20:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.4	76.3	114.5
184	30.4	24.1	36.1
145	30.8	24.1	36.1



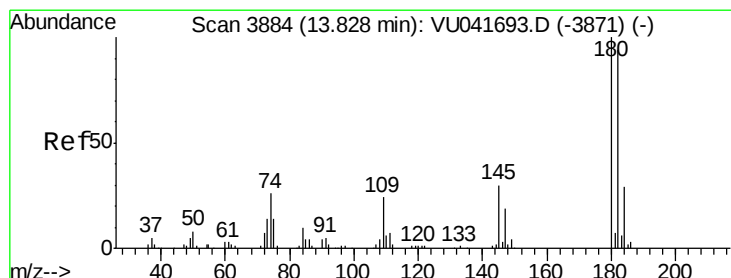
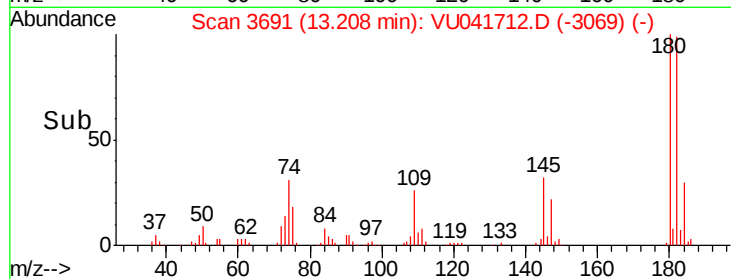
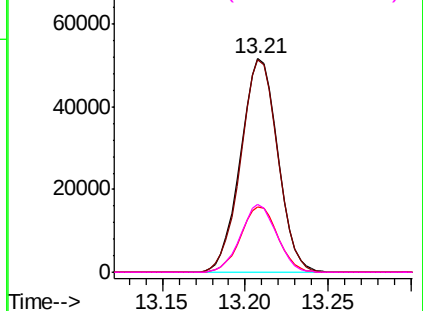
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

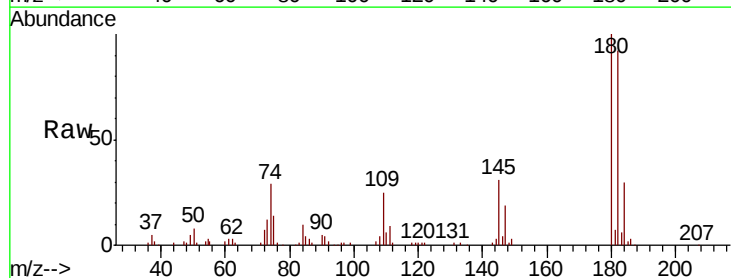
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.749 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041712.D
 Acq: 21 Dec 2020 20:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.4	113.0
145	30.9	24.5	36.7

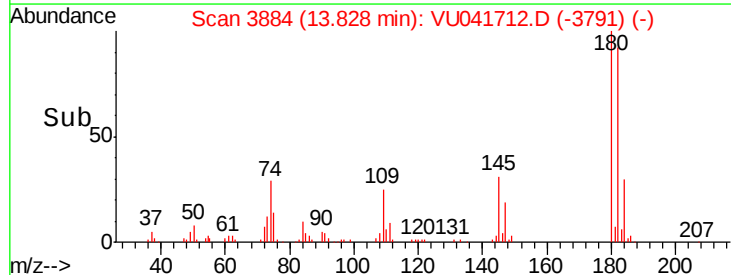
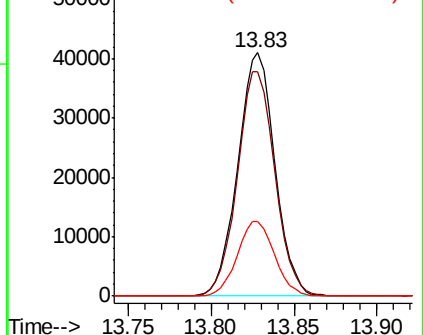


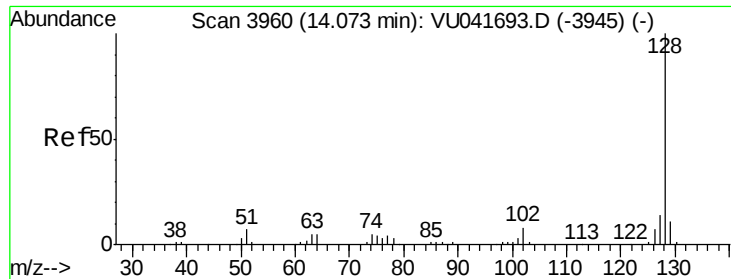
Abundance

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: 3.713 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

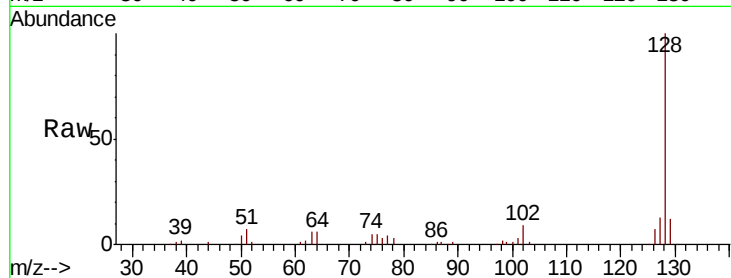
Tot Ion:128 Resp: 102950

Ion Ratio Lower Upper

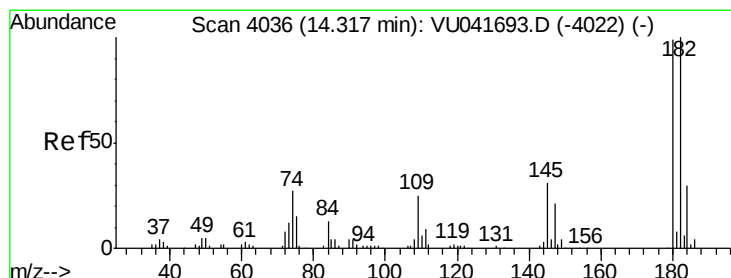
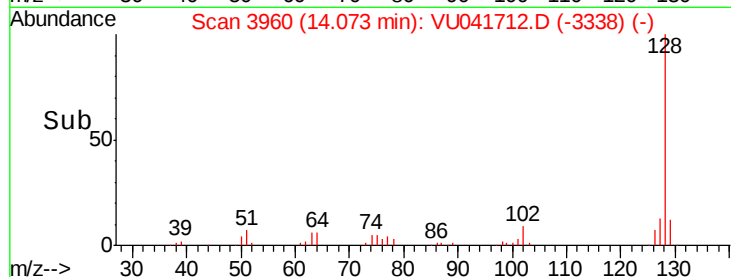
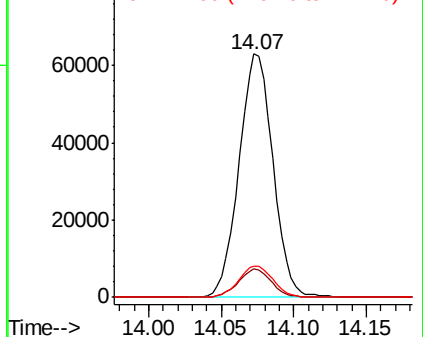
128 100

129 11.2 8.7 13.1

127 13.1 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: 4.734 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041712.D

Acq: 21 Dec 2020 20:49

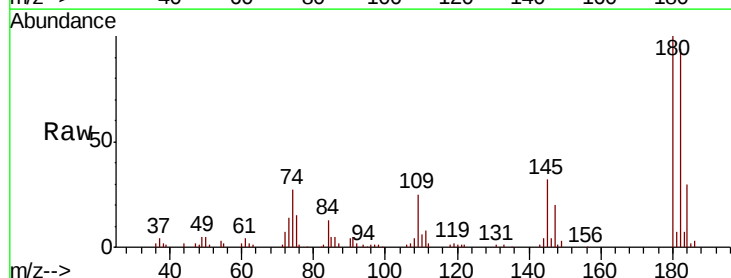
Tgt Ion:180 Resp: 60435

Ion Ratio Lower Upper

180 100

182 93.7 77.0 115.4

145 31.7 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

