

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102620\
 Data File : VU040957.D
 Acq On : 26 Oct 2020 21:06
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Quant Time: Oct 27 03:17:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 27 03:00:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	63203	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	62628	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	31481	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25827	4.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.20%
7) Chloroethane-d5	1.92	69	20569	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.58	63	50537	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	4.66	46	89727	51.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.64%
24) Chloroform-d	5.08	84	46947	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.72	65	28083	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.74	84	86677	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.70	67	28942	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	7.90	98	78731	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
43) trans-1,3-Dichloropropene-	8.18	79	12293	5.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.00%
46) 2-Hexanone-d5	8.64	63	67796	53.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.54%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25698	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	27685	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	26964	4.673	ug/L 98
3) Chloromethane	1.53	50	28559	4.747	ug/L 99
5) Vinyl chloride	1.61	62	29434	4.959	ug/L 99
6) Bromomethane	1.87	94	12289	3.612	ug/L 99
8) Chloroethane	1.94	64	18483	4.915	ug/L 96
9) Trichlorofluoromethane	2.15	101	39150	4.853	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	23331	4.934	ug/L 98
12) 1,1-Dichloroethene	2.59	96	22650	5.073	ug/L 97
13) Acetone	2.67	43	55808	46.684	ug/L 98
14) Carbon disulfide	2.81	76	71508	4.793	ug/L 98
15) Methyl Acetate	2.97	43	14236	5.204	ug/L 91
16) Methylene chloride	3.06	84	25263	4.856	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	56883	4.951	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	22164	4.885	ug/L 95
19) 1,1-Dichloroethane	3.89	63	44308	4.885	ug/L 97
21) 2-Butanone	4.74	43	93424	50.002	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	23863	5.099	ug/L 97

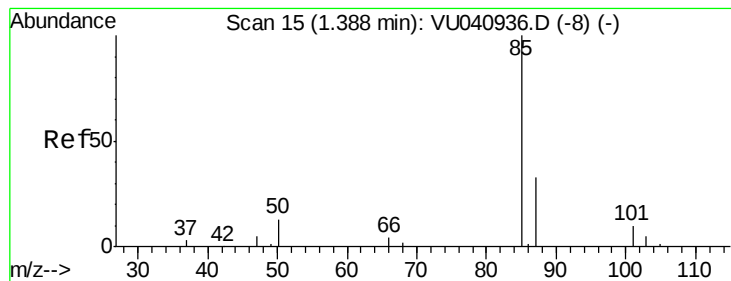
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102620\
 Data File : VU040957.D
 Acq On : 26 Oct 2020 21:06
 Operator : SY/MD
 Sample : VSTDCCC005
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 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
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Quant Time: Oct 27 03:17:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 27 03:00:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	11496	5.207	ug/L	95
25) Chloroform	5.11	83	45908	5.047	ug/L	100
27) 1,2-Dichloroethane	5.81	62	33655	4.968	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	38275	4.997	ug/L	96
30) Cyclohexane	5.40	56	37655	4.990	ug/L	99
31) Carbon tetrachloride	5.54	117	33423	4.928	ug/L	98
33) Benzene	5.79	78	95179	5.086	ug/L	100
34) Trichloroethene	6.55	95	23329	4.899	ug/L	97
35) Methylcyclohexane	6.77	83	34981	4.924	ug/L	98
37) 1,2-Dichloropropane	6.80	63	26046	5.144	ug/L	98
38) Bromodichloromethane	7.11	83	33020	5.027	ug/L	100
39) cis-1,3-Dichloropropene	7.61	75	33692	4.833	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	206653	51.186	ug/L	100
42) Toluene	7.97	91	99068	5.221	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	32007	4.906	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	18912	5.017	ug/L	94
47) Tetrachloroethene	8.56	164	17132	4.892	ug/L	98
48) 2-Hexanone	8.69	43	154113	50.696	ug/L	99
49) Dibromochloromethane	8.82	129	21775	4.974	ug/L	99
50) 1,2-Dibromoethane	8.93	107	17628	4.908	ug/L	95
51) Chlorobenzene	9.45	112	60688	5.044	ug/L	99
52) Ethylbenzene	9.57	91	100717	5.042	ug/L	99
53) m,p-Xylene	9.69	106	37835	5.194	ug/L	97
54) o-Xylene	10.10	106	35786	5.275	ug/L	99
55) Styrene	10.11	104	64639	5.348	ug/L	98
56) Isopropylbenzene	10.48	105	93145	5.106	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	24633	4.976	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	18814	4.985	ug/L	98
61) Bromoform	10.29	173	11814	4.870	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	46612	5.129	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	47895	5.089	ug/L	100
65) 1,2-Dichlorobenzene	12.20	146	44733	4.988	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	4505	5.126	ug/L	89
67) 1,3,5-Trichlorobenzene	13.21	180	30900	4.862	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	26840	5.098	ug/L	99
69) Naphthalene	14.08	128	46390	4.928	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	25314	5.217	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.673 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040957.D

Acq: 26 Oct 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

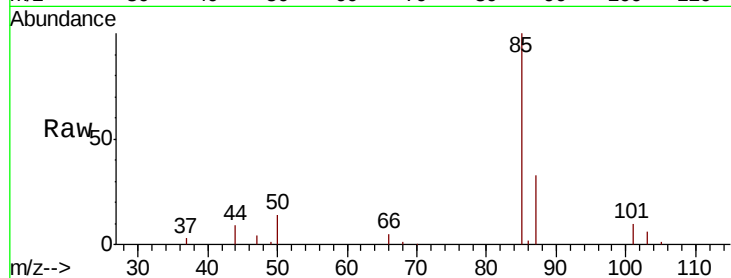
VSTD00526

Tot Ion: 85 Resp: 26964

Ion Ratio Lower Upper

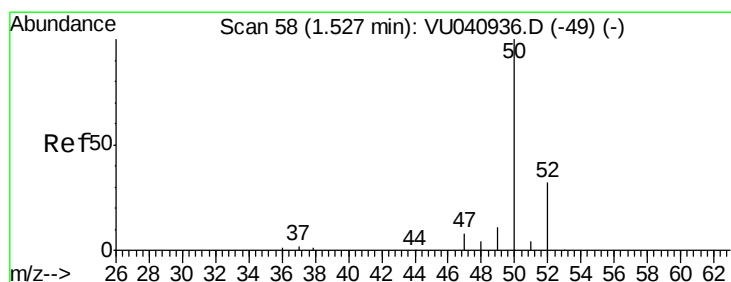
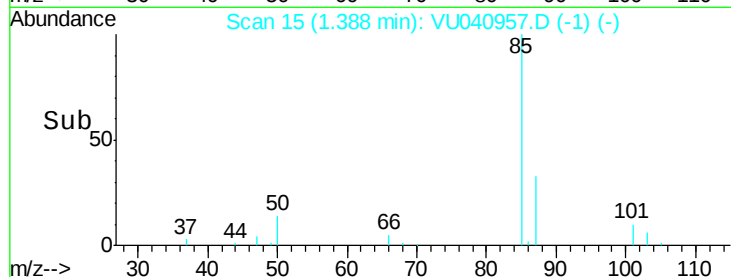
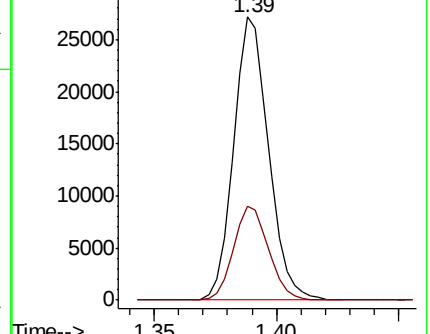
85 100

87 33.2 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.747 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040957.D

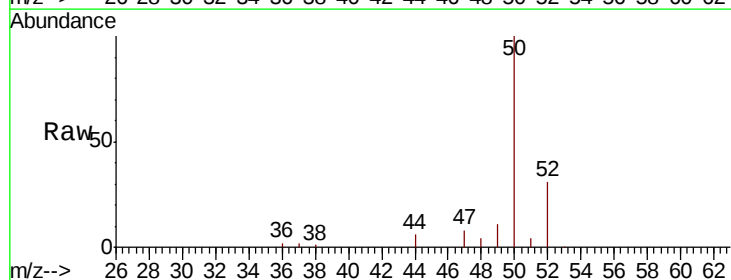
Acq: 26 Oct 2020 21:06

Tgt Ion: 50 Resp: 28559

Ion Ratio Lower Upper

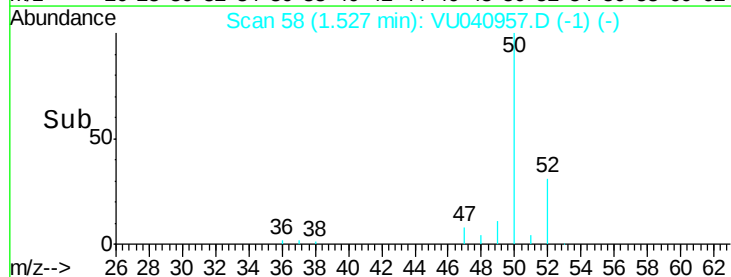
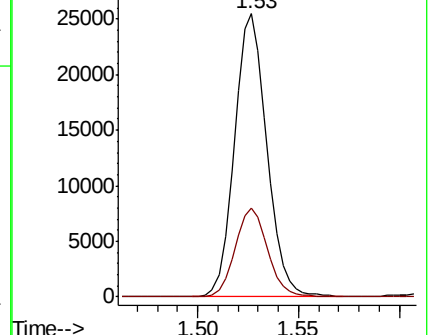
50 100

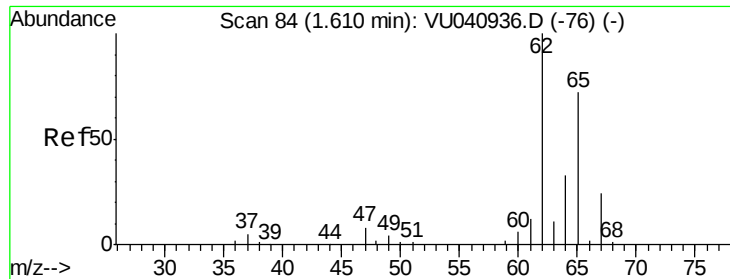
52 31.3 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.959 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040957.D

Acq: 26 Oct 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

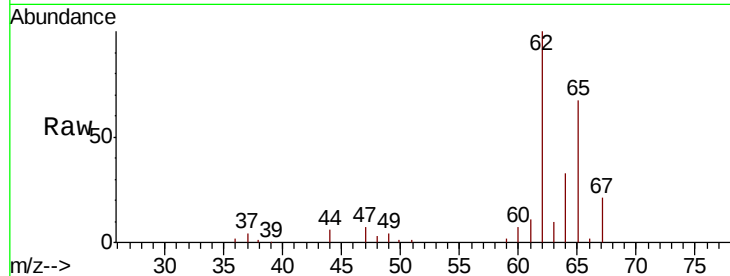
VSTD00526

Tot Ion: 62 Resp: 29434

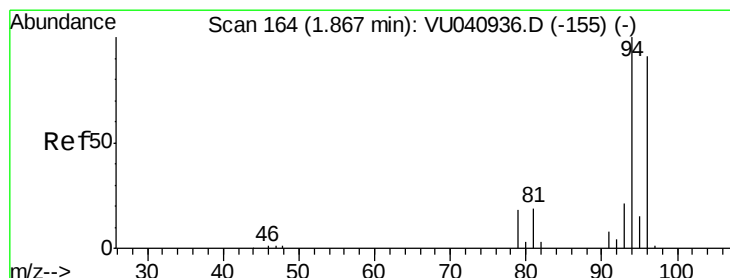
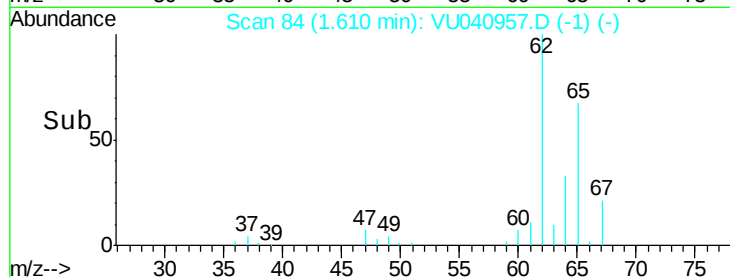
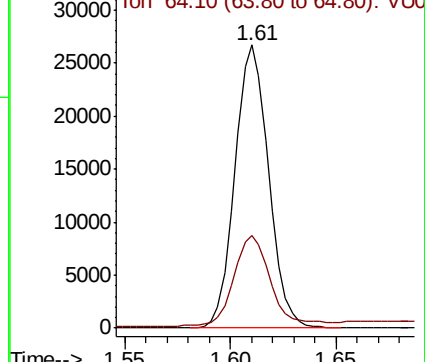
Ion Ratio Lower Upper

62 100

64 32.9 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU040936.D (-76) (-)



#6

Bromomethane

Concen: 3.612 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040957.D

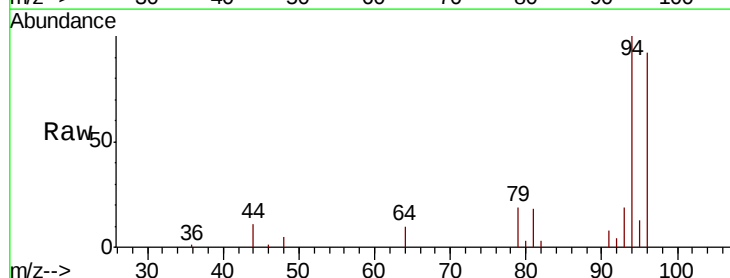
Acq: 26 Oct 2020 21:06

Tgt Ion: 94 Resp: 12289

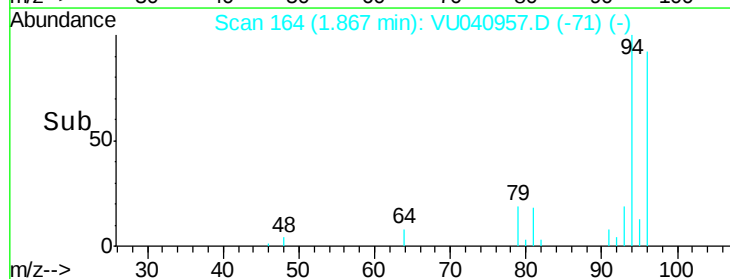
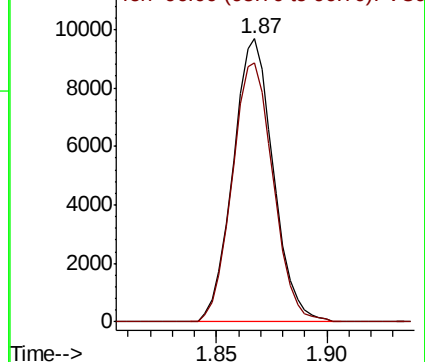
Ion Ratio Lower Upper

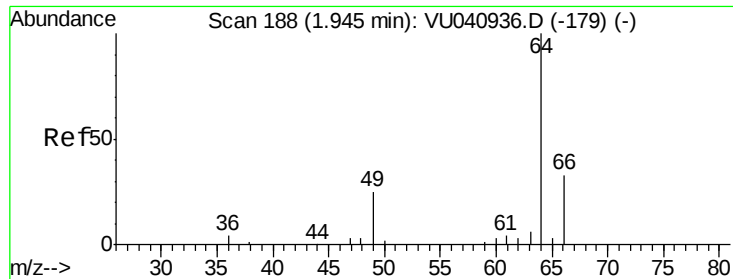
94 100

96 91.7 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU040936.D (-155) (-)

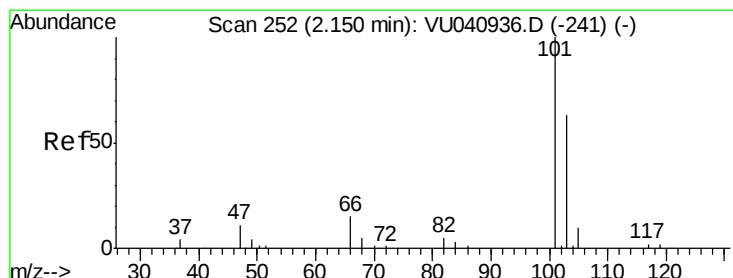
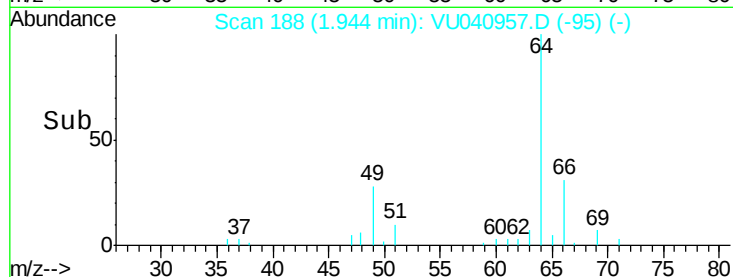
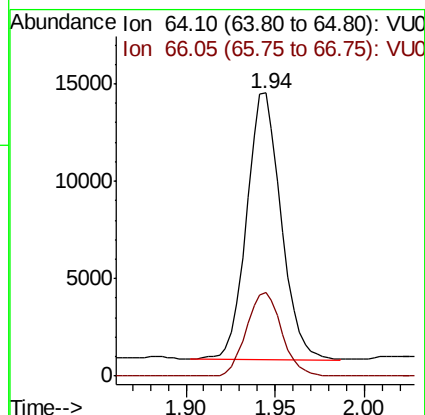
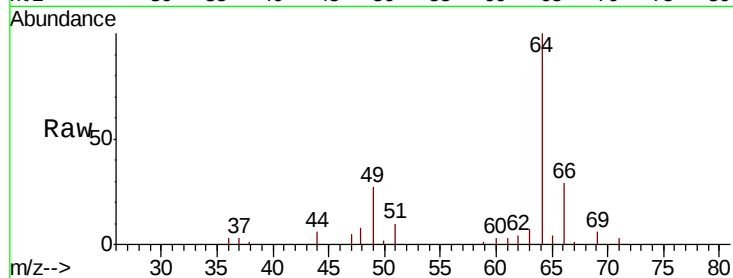




#8
 Chloroethane
 Concen: 4.915 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

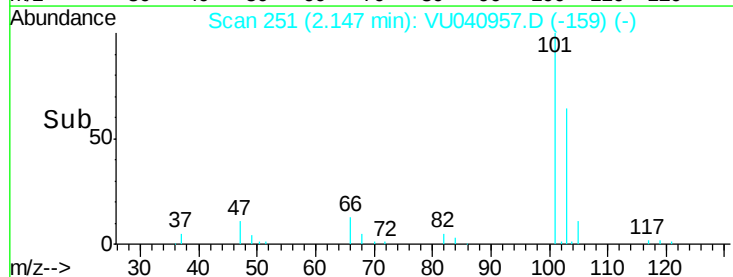
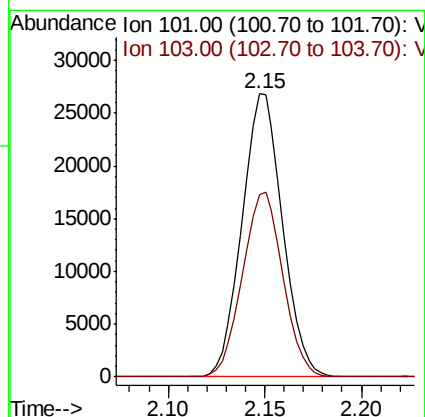
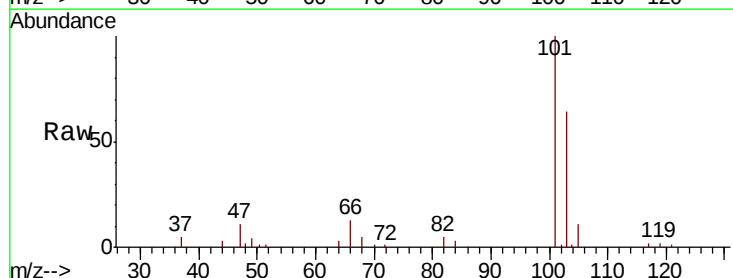
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

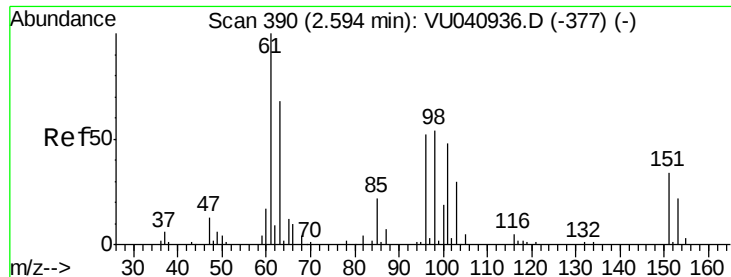
Tot Ion: 64 Resp: 18483
 Ion Ratio Lower Upper
 64 100
 66 29.5 22.3 41.5



#9
 Trichlorofluoromethane
 Concen: 4.853 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

Tgt Ion: 101 Resp: 39150
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.0 76.4





#10

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

Concen: 4.934 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040957.D

Acq: 26 Oct 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

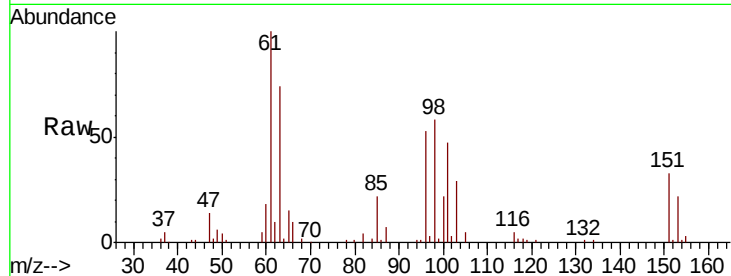
Tot Ion:101 Resp: 23331

Ion Ratio Lower Upper

101 100

85 45.3 35.0 52.4

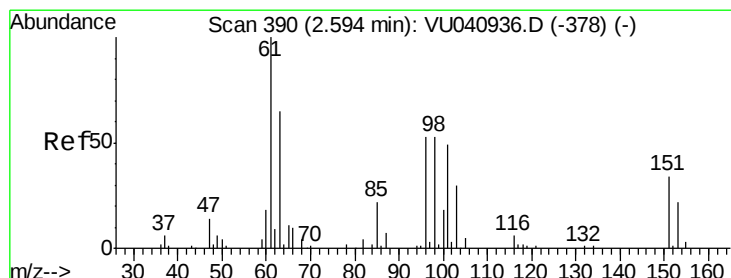
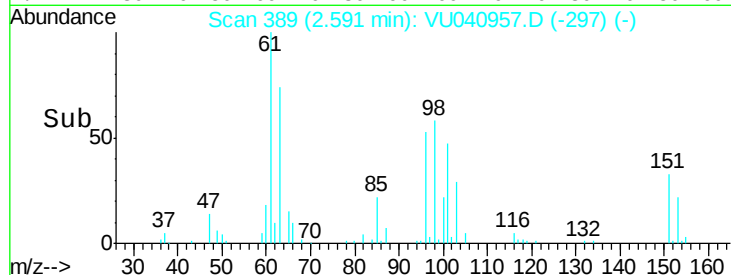
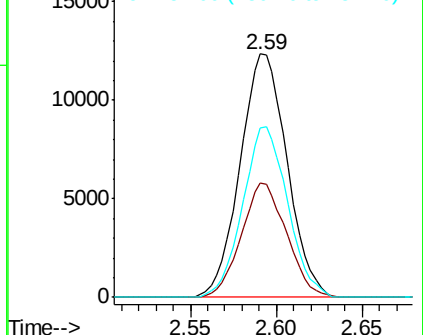
151 67.2 55.3 82.9



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: 5.073 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040957.D

Acq: 26 Oct 2020 21:06

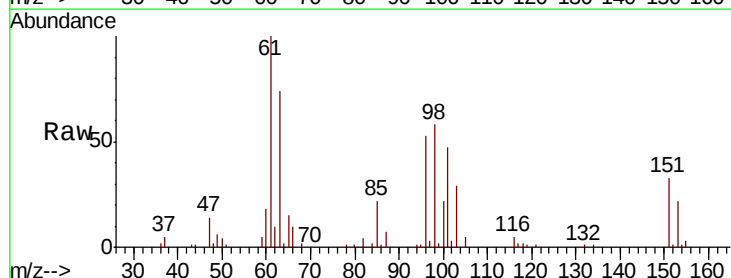
Tgt Ion: 96 Resp: 22650

Ion Ratio Lower Upper

96 100

61 187.5 134.3 249.5

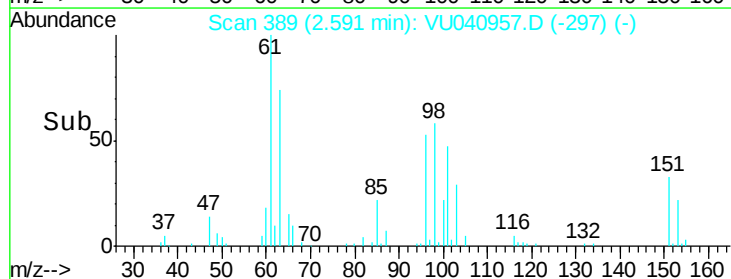
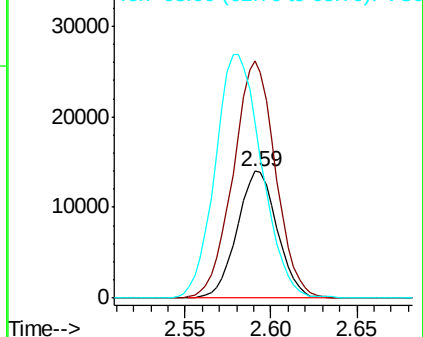
63 139.1 95.0 176.4

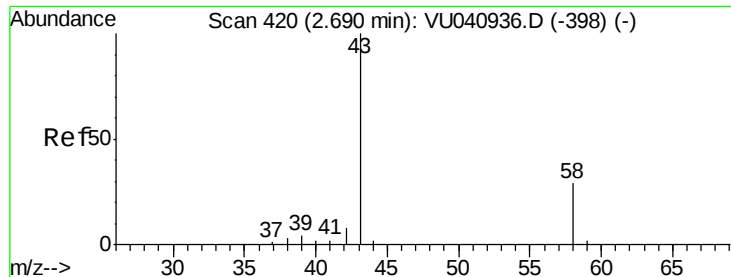


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.684 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.02 min

Lab File: VU040957.D

Acq: 26 Oct 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

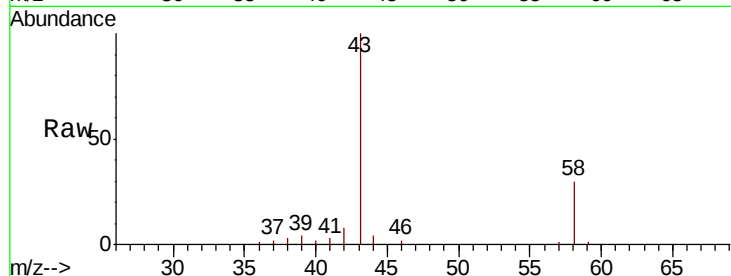
VSTD00526

Tot Ion: 43 Resp: 55808

Ion Ratio Lower Upper

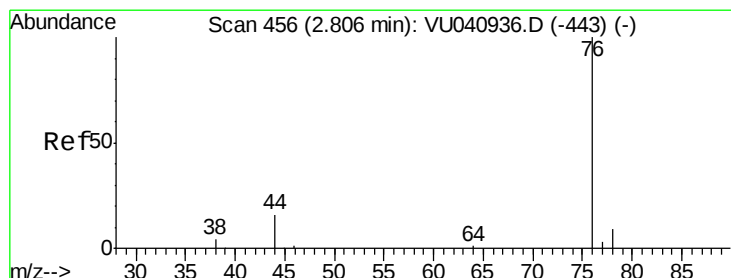
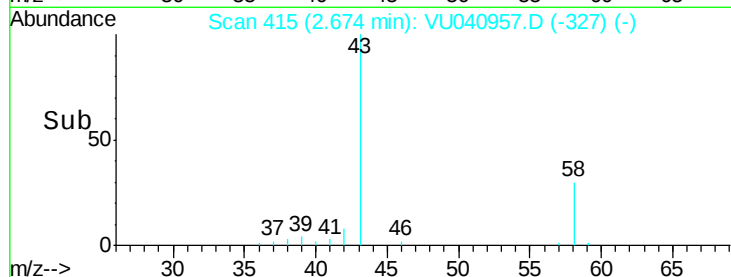
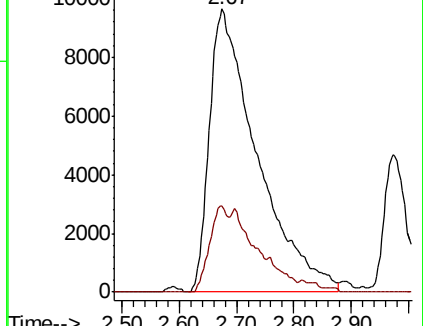
43 100

58 11.9 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU040936.D (-398) (-)

Ion 58.05 (57.75 to 58.75): VU040936.D (-398) (-)



#14

Carbon disulfide

Concen: 4.793 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040957.D

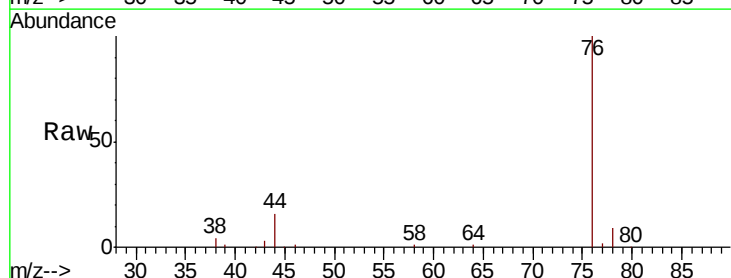
Acq: 26 Oct 2020 21:06

Tgt Ion: 76 Resp: 71508

Ion Ratio Lower Upper

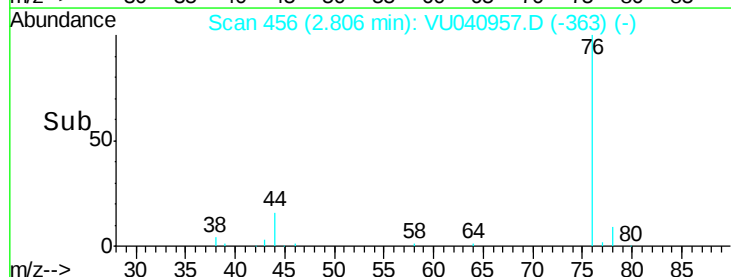
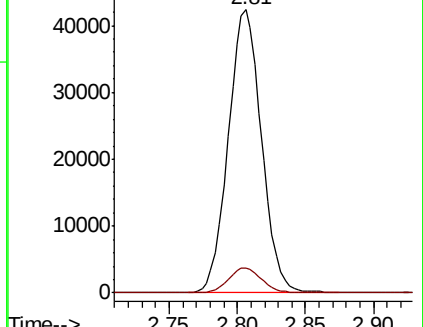
76 100

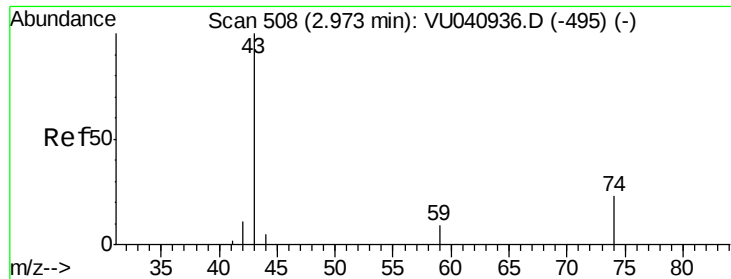
78 8.8 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU040936.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU040936.D (-443) (-)





#15

Methvl Acetate

Concen: 5.204 ug/L

RT: 2.97 min Scan# 508

Delta R.T. -0.00 min

Lab File: VU040957.D

Acq: 26 Oct 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

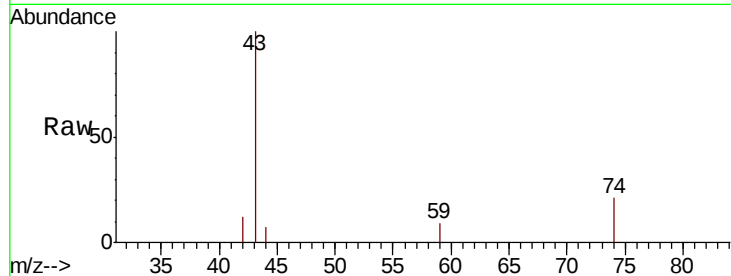
VSTD00526

Tot Ion: 43 Resp: 14236

Ion Ratio Lower Upper

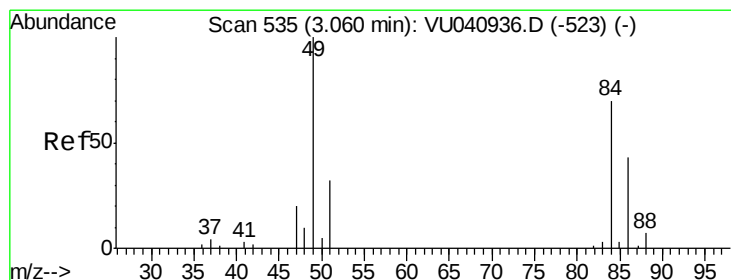
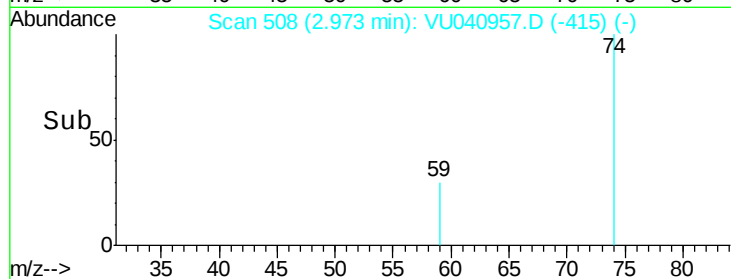
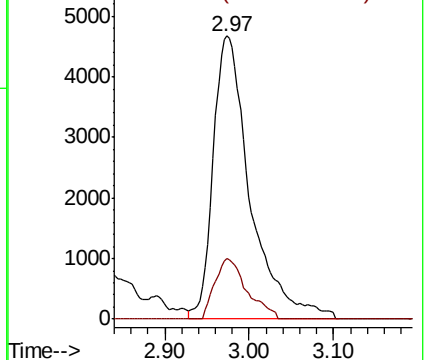
43 100

74 18.6 18.3 27.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.856 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040957.D

Acq: 26 Oct 2020 21:06

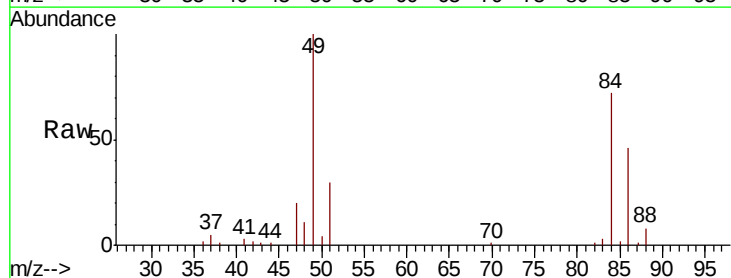
Tgt Ion: 84 Resp: 25263

Ion Ratio Lower Upper

84 100

86 64.1 42.8 79.6

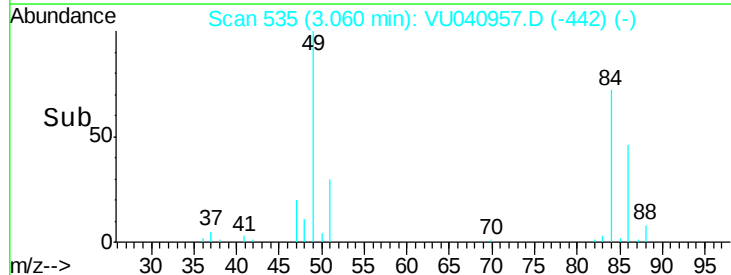
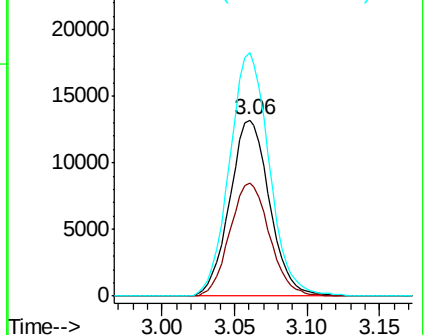
49 138.1 99.5 184.7

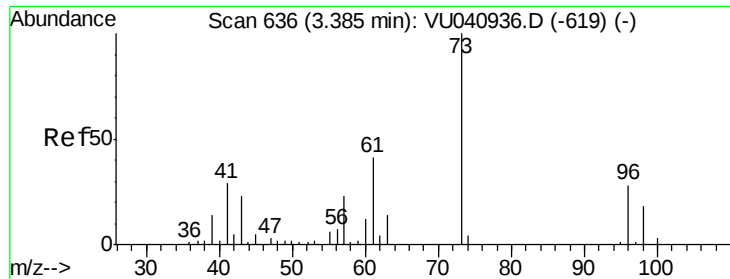


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

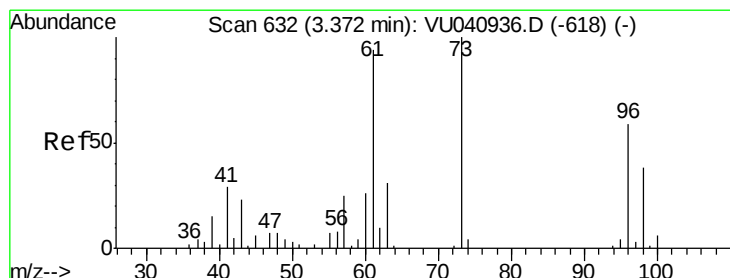
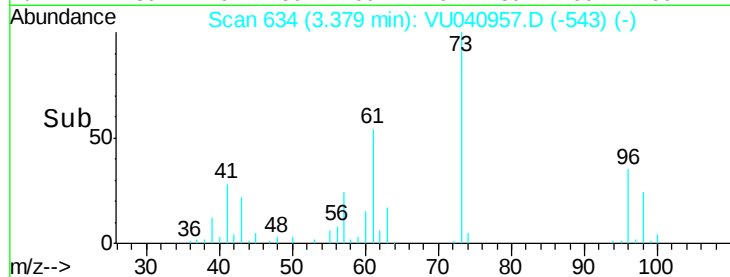
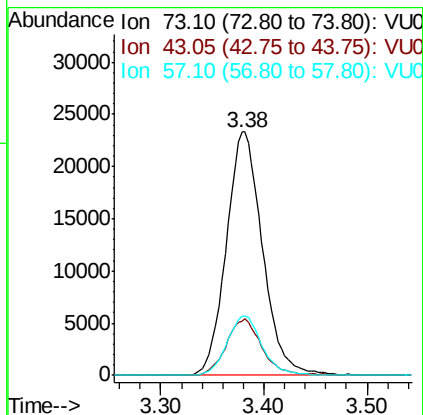
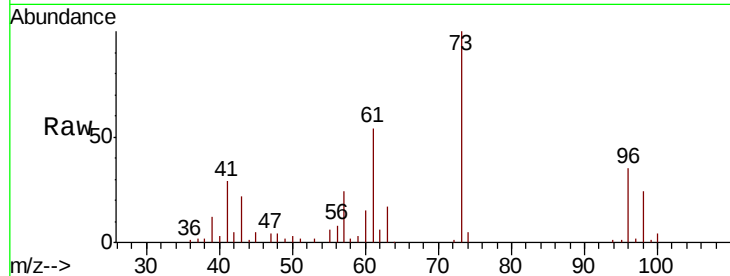




#17
Methvl tert-butvl Ether
Concen: 4.951 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.01 min
Lab File: VU040957.D
Acq: 26 Oct 2020 21:06

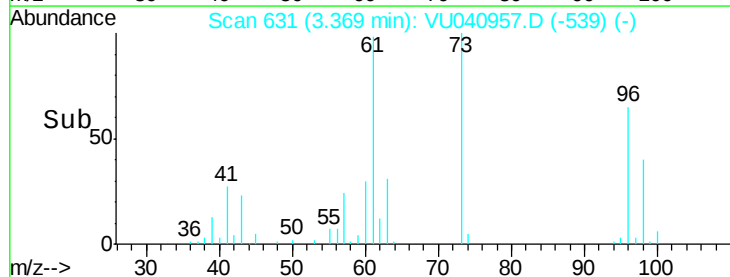
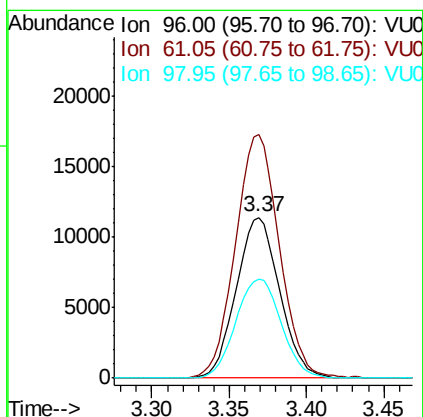
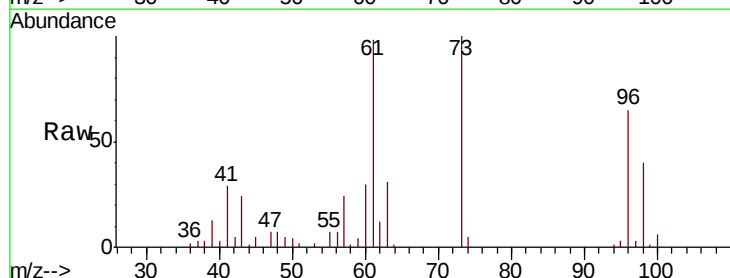
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

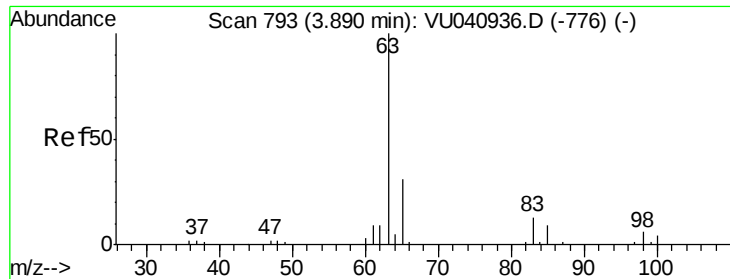
Tot Ion: 73 Resp: 56883
Ion Ratio Lower Upper
73 100
43 22.7 18.5 27.7
57 23.4 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.885 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040957.D
Acq: 26 Oct 2020 21:06

Tgt Ion: 96 Resp: 22164
Ion Ratio Lower Upper
96 100
61 151.2 110.9 205.9
98 61.5 45.4 84.2

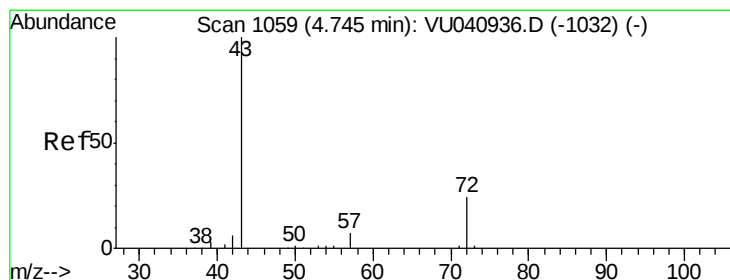
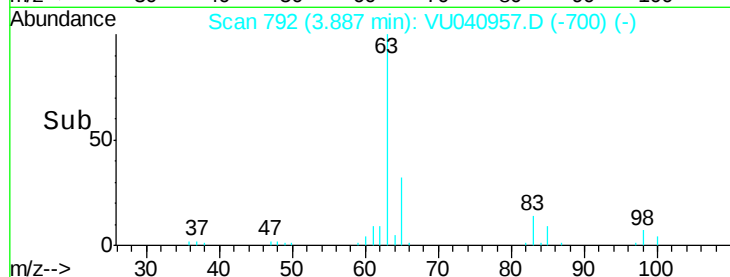
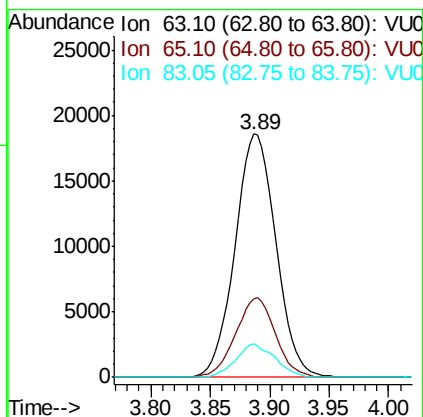
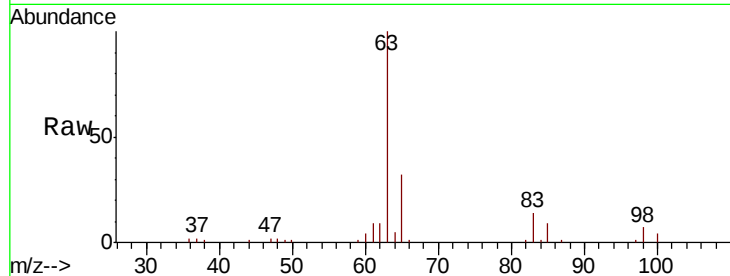




#19
 1,1-Dichloroethane
 Concen: 4.885 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

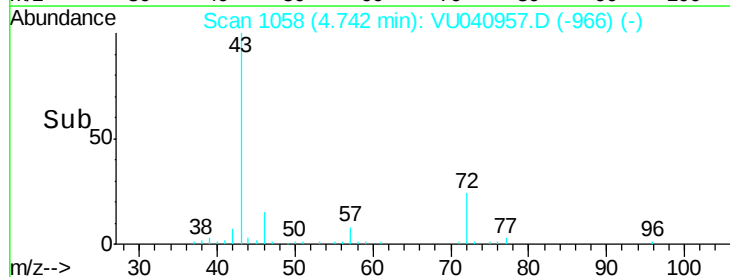
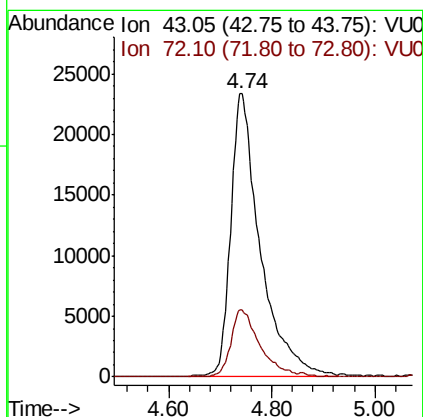
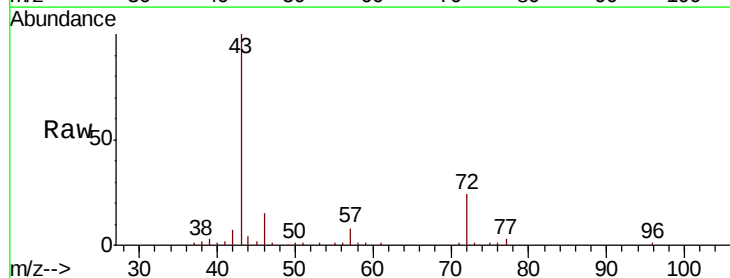
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

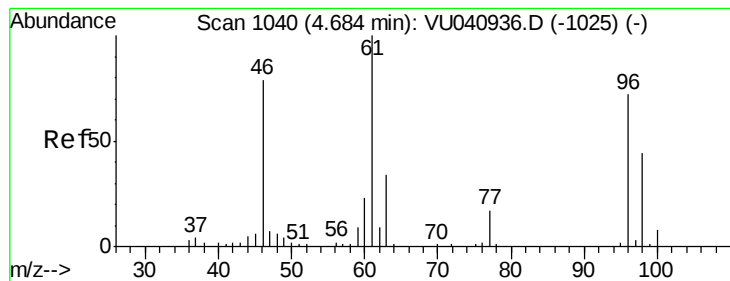
Tot Ion: 63 Resp: 44308
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.3 39.6
 83 13.8 8.8 16.3



#21
 2-Butanone
 Concen: 50.002 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

Tgt Ion: 43 Resp: 93424
 Ion Ratio Lower Upper
 43 100
 72 23.1 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 5.099 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040957.D

Acq: 26 Oct 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

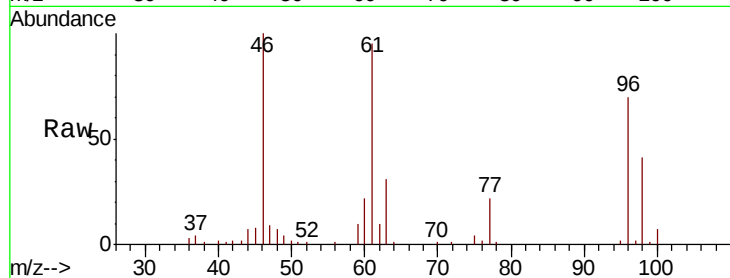
Tot Ion: 96 Resp: 23863

Ion Ratio Lower Upper

96 100

61 135.7 97.2 180.4

68 0.0 0.0 0.0

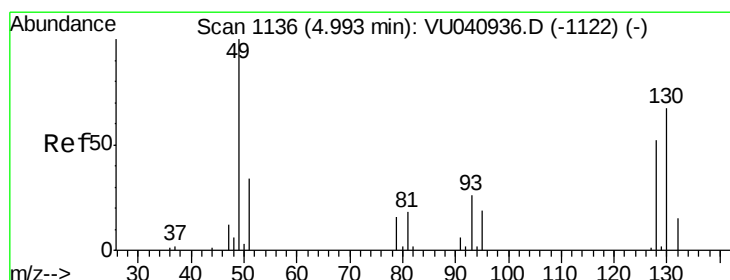
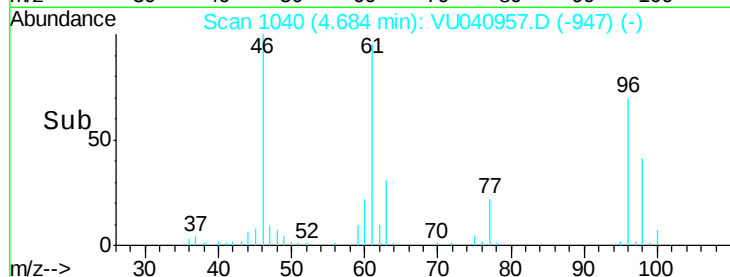
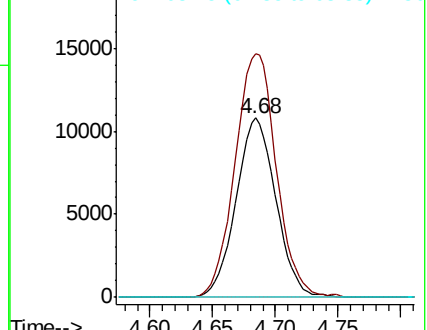


Abundance

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: 5.207 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040957.D

Acq: 26 Oct 2020 21:06

Tgt Ion: 128 Resp: 11496

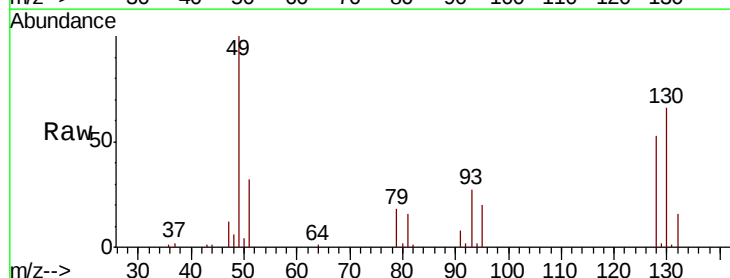
Ion Ratio Lower Upper

128 100

49 186.9 135.0 250.8

130 123.3 89.9 167.0

51 59.7 51.9 77.9



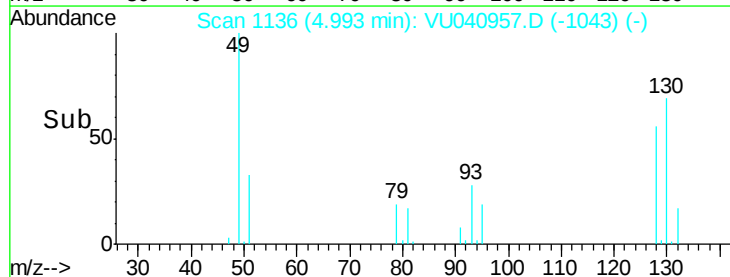
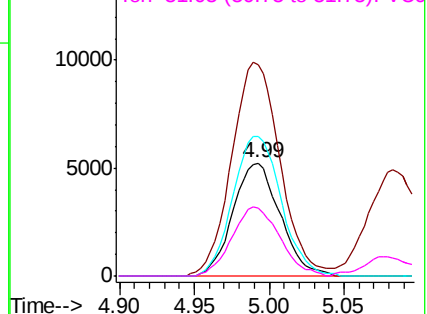
Abundance

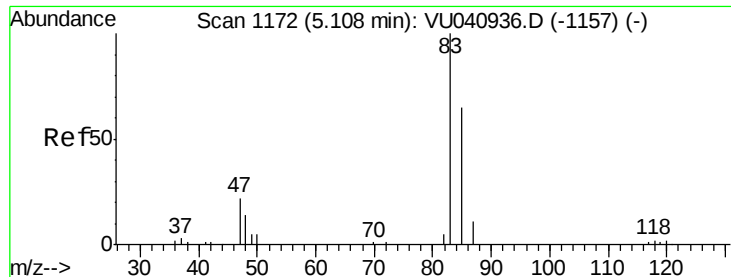
Ion 127.90 (127.60 to 128.60): V

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

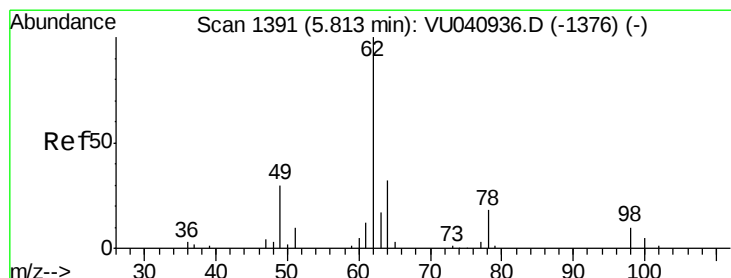
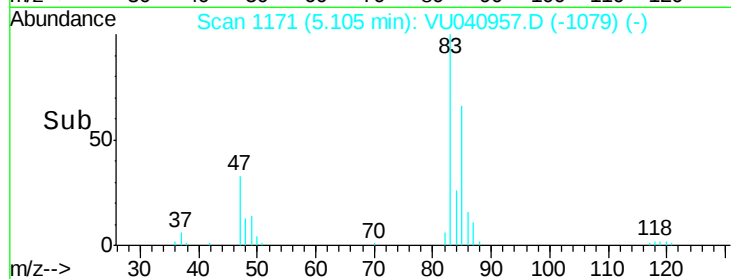
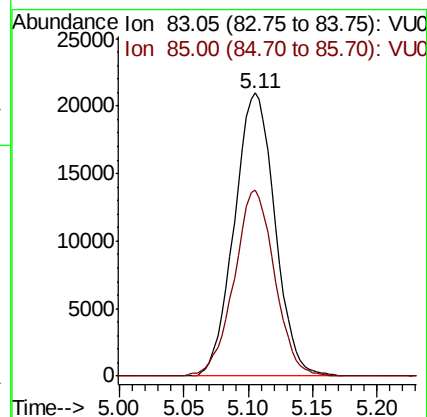
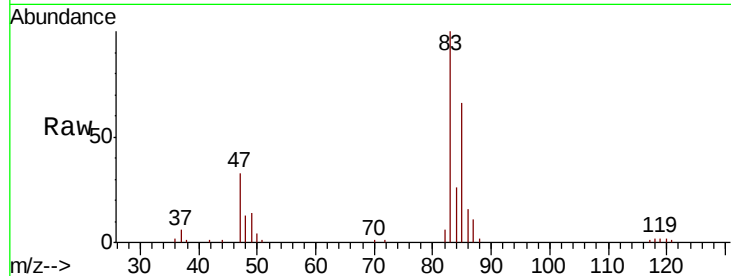




#25
Chloroform
Concen: 5.047 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040957.D
Acq: 26 Oct 2020 21:06

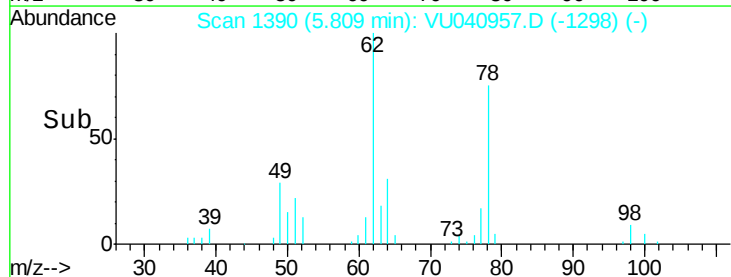
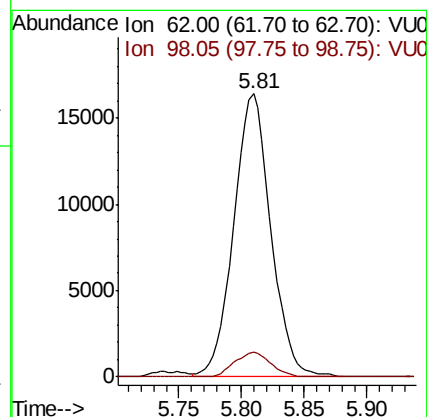
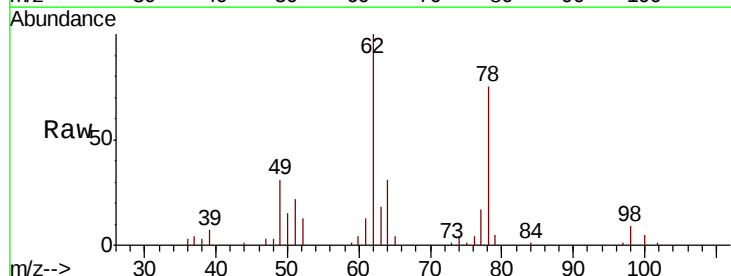
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

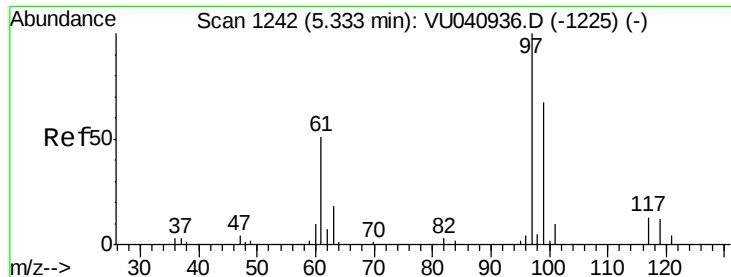
Tot Ion: 83 Resp: 45908
Ion Ratio Lower Upper
83 100
85 65.8 46.1 85.7



#27
1,2-Dichloroethane
Concen: 4.968 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040957.D
Acq: 26 Oct 2020 21:06

Tgt Ion: 62 Resp: 33655
Ion Ratio Lower Upper
62 100
98 8.6 7.6 11.4

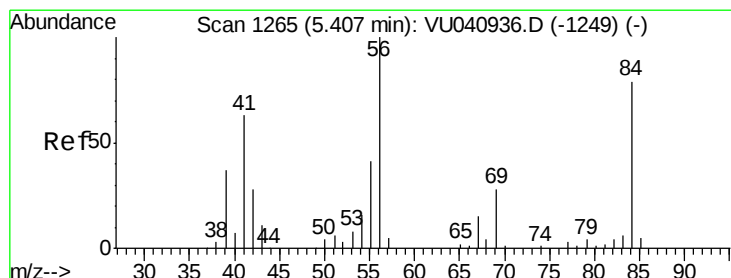
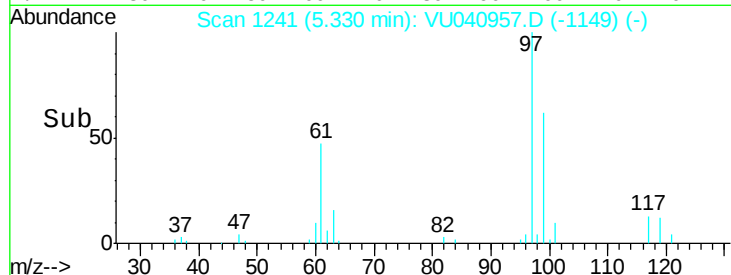
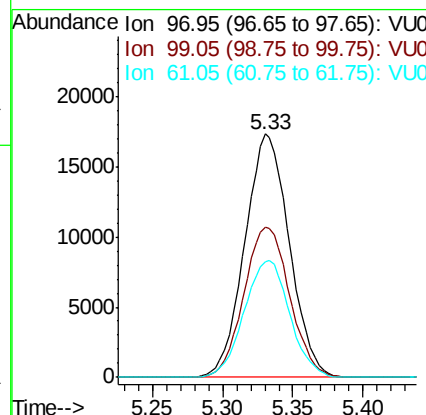
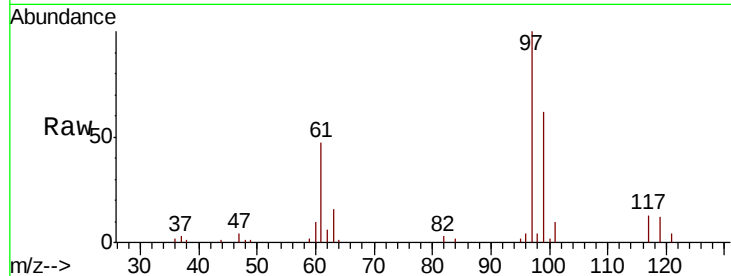




#29
 1,1,1-Trichloroethane
 Concen: 4.997 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

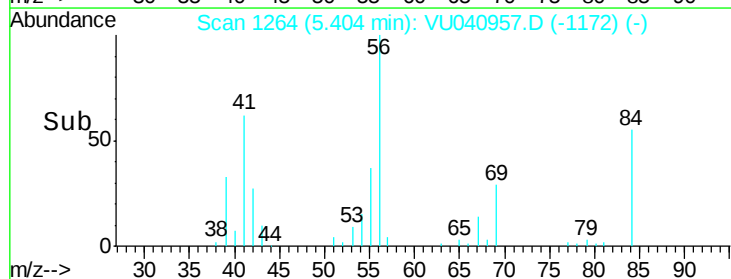
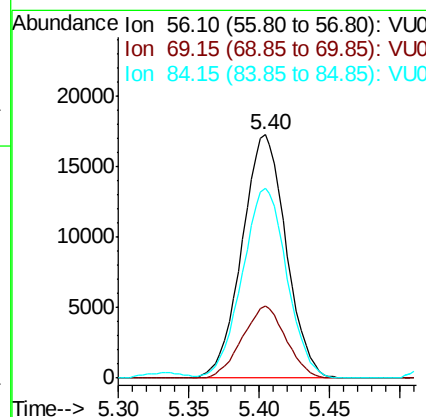
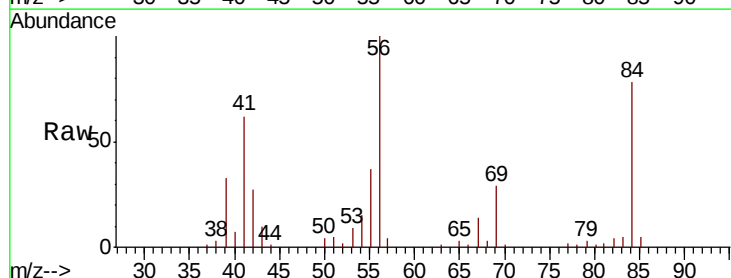
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

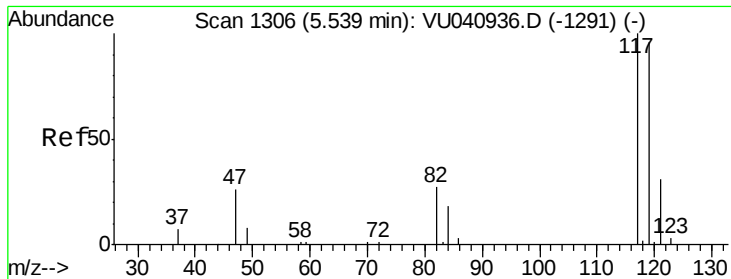
Tot Ion: 97 Resp: 38275
 Ion Ratio Lower Upper
 97 100
 99 63.3 53.4 80.0
 61 49.1 41.6 62.4



#30
 Cyclohexane
 Concen: 4.990 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

Tgt Ion: 56 Resp: 37655
 Ion Ratio Lower Upper
 56 100
 69 29.2 22.8 34.2
 84 79.1 63.6 95.4

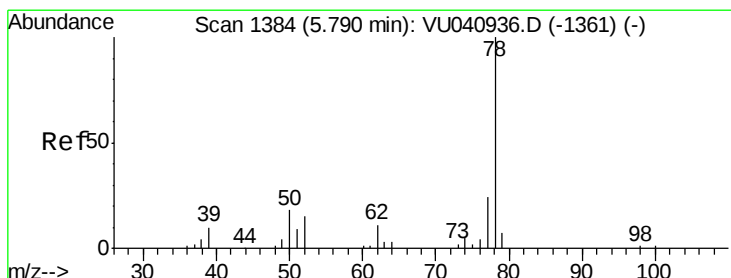
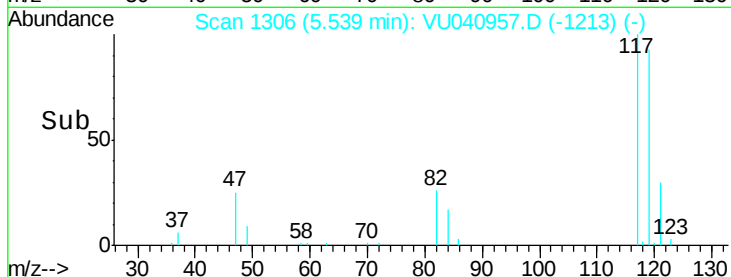
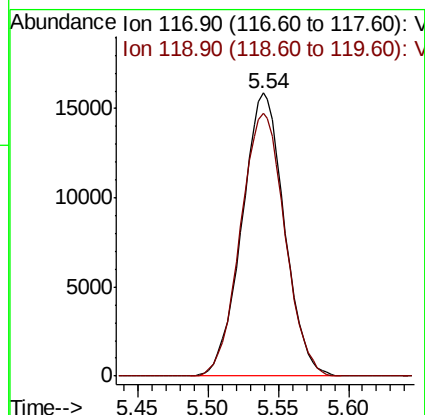
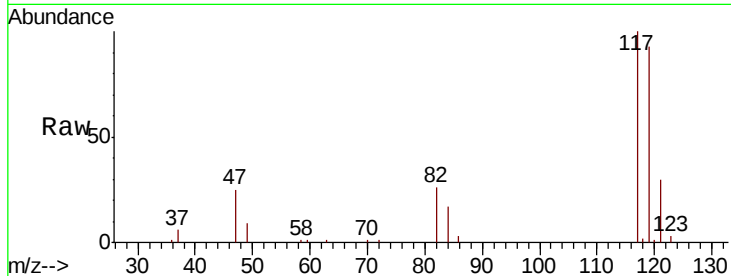




#31
Carbon tetrachloride
Concen: 4.928 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU040957.D
Acq: 26 Oct 2020 21:06

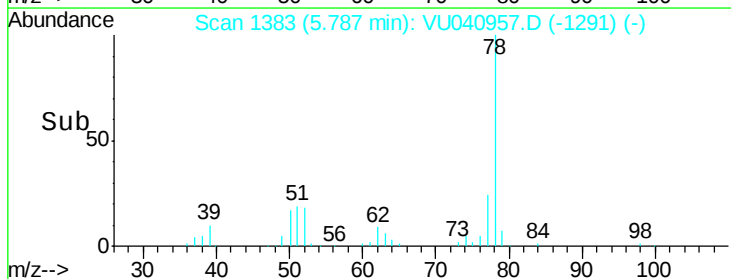
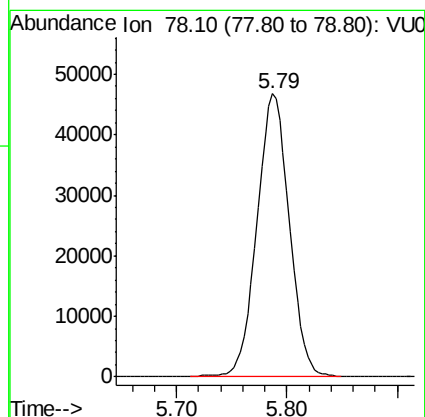
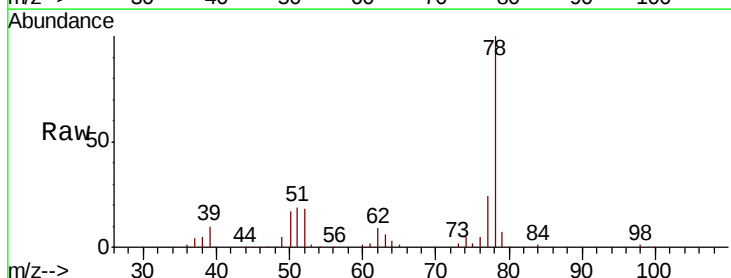
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

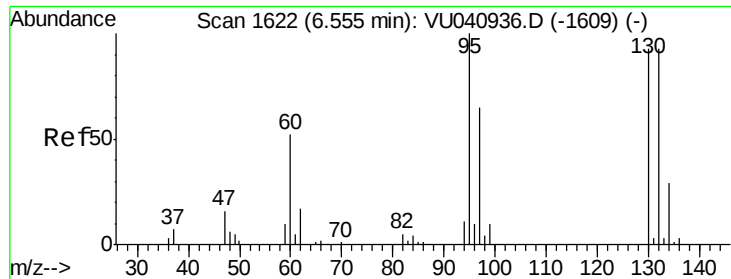
Tot Ion:117 Resp: 33423
Ion Ratio Lower Upper
117 100
119 96.8 76.1 114.1



#33
Benzene
Concen: 5.086 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040957.D
Acq: 26 Oct 2020 21:06

Tgt Ion: 78 Resp: 95179

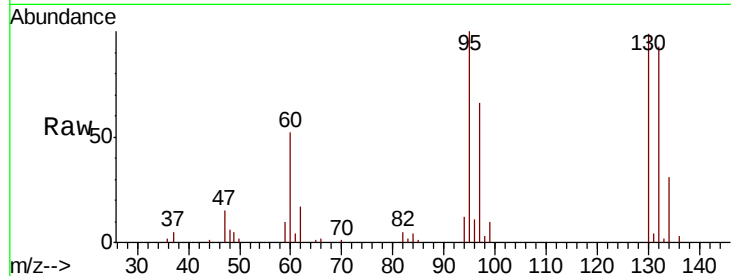




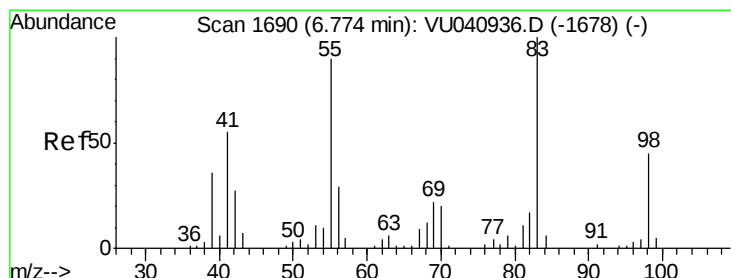
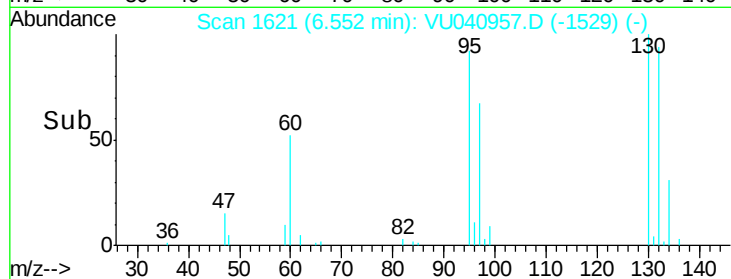
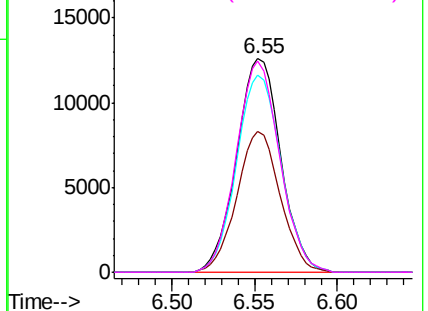
#34
 Trichloroethene
 Concen: 4.899 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion: 95 Resp: 23329
 Ion Ratio Lower Upper
 95 100
 97 65.7 45.6 84.6
 132 92.5 64.8 120.4
 130 98.8 64.8 120.4

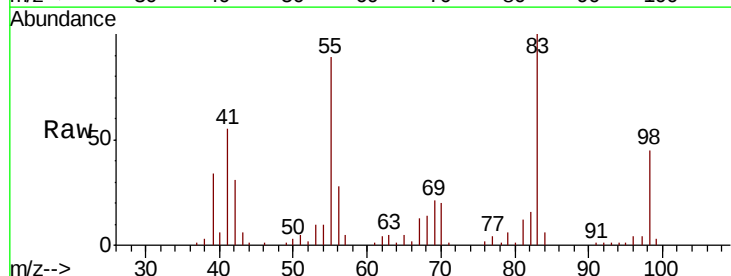


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

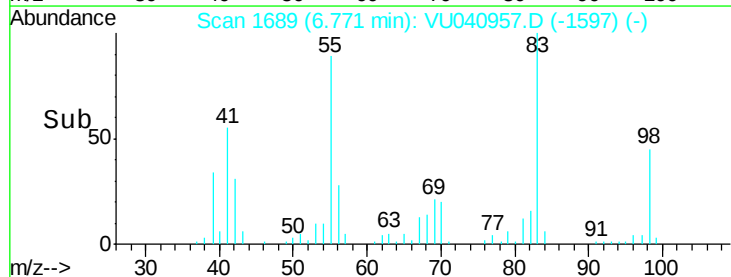
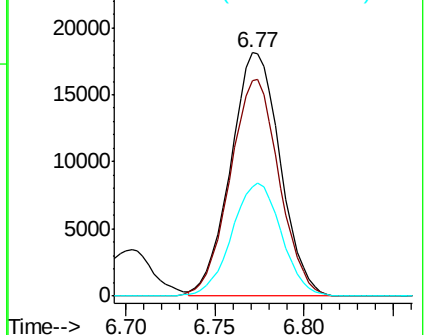


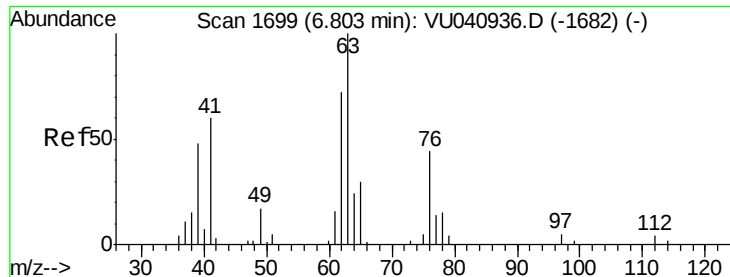
#35
 Methylcyclohexane
 Concen: 4.924 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

Tgt Ion: 83 Resp: 34981
 Ion Ratio Lower Upper
 83 100
 55 88.4 72.0 108.0
 98 46.6 36.6 55.0



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

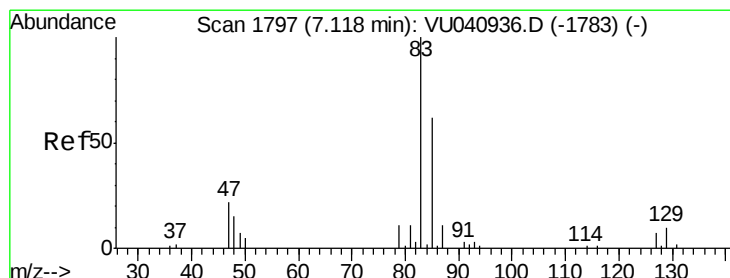
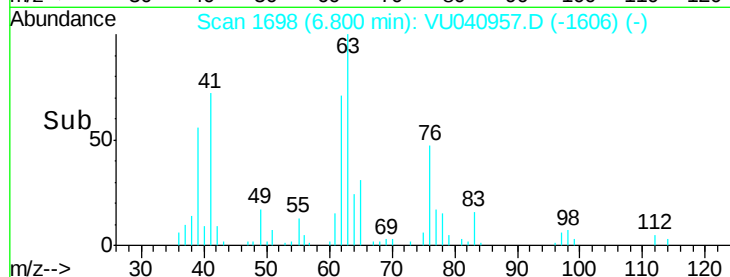
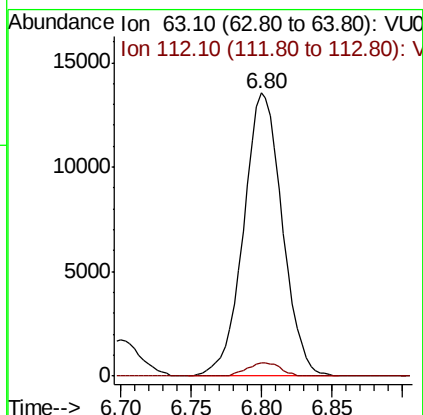
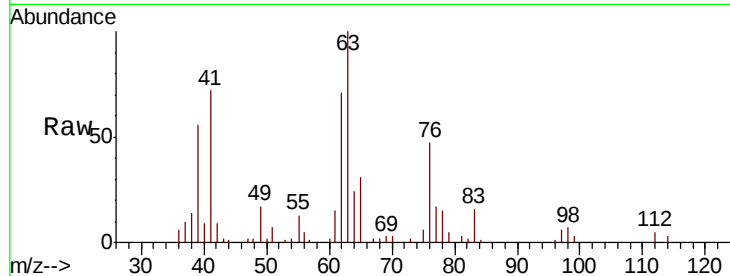




#37
 1,2-Dichloropropane
 Concen: 5.144 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

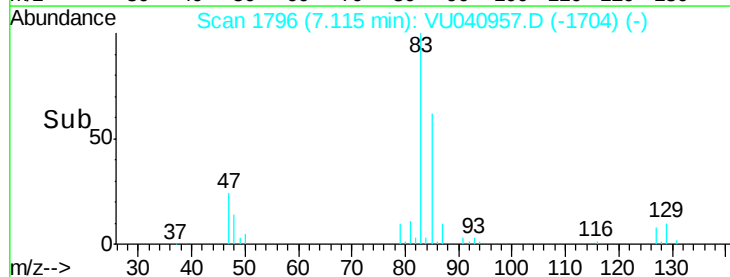
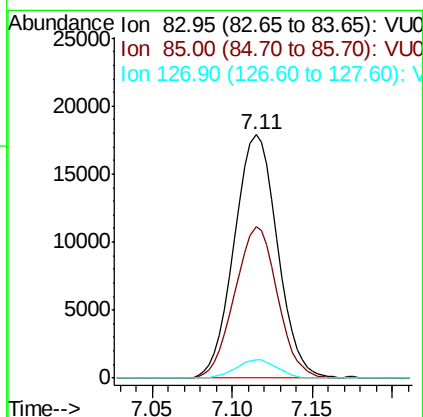
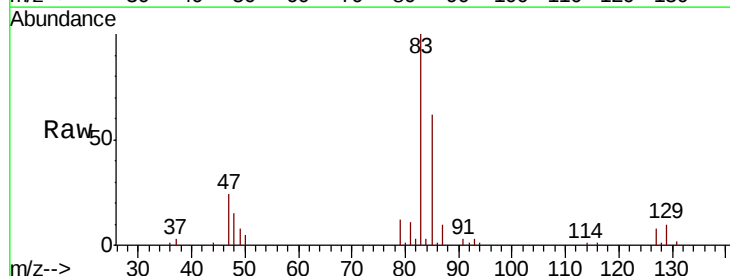
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00526

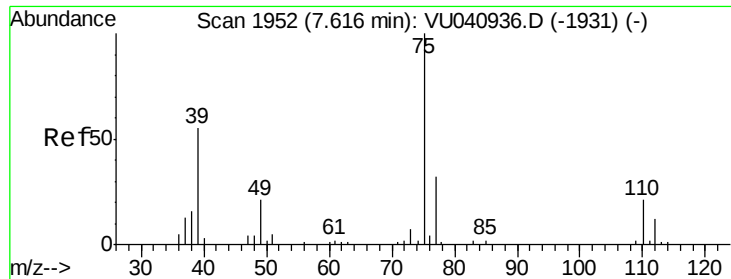
Tot Ion: 63 Resp: 26046
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.027 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

Tgt Ion: 83 Resp: 33020
 Ion Ratio Lower Upper
 83 100
 85 62.0 43.3 80.3
 127 7.6 5.9 8.9

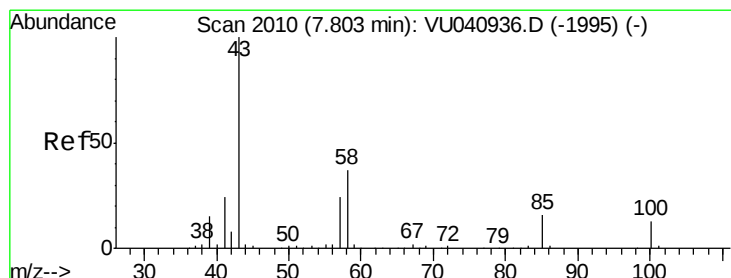
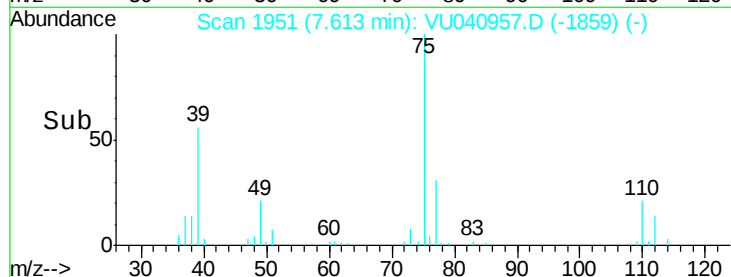
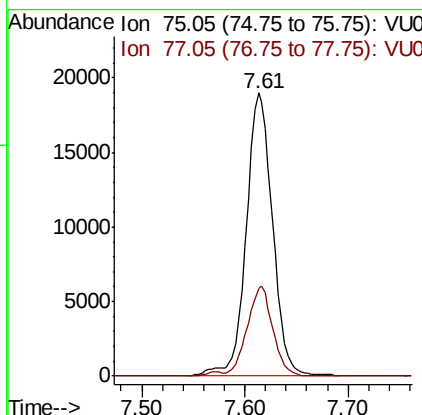
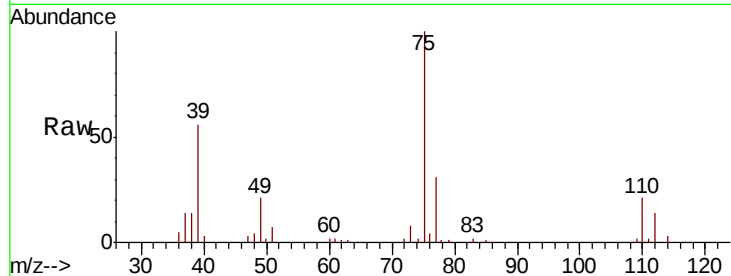




#39
 cis-1,3-Dichloropropene
 Concen: 4.833 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

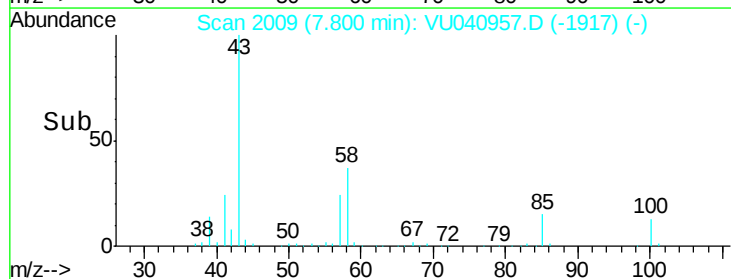
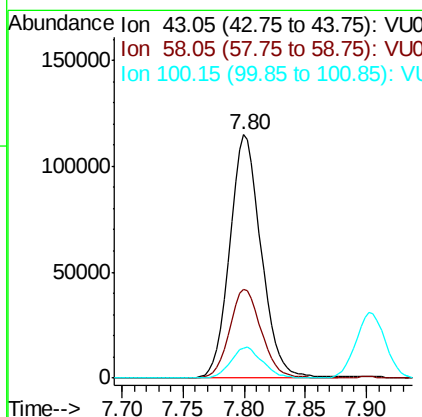
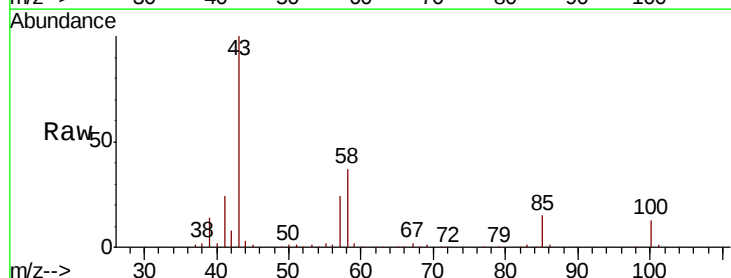
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

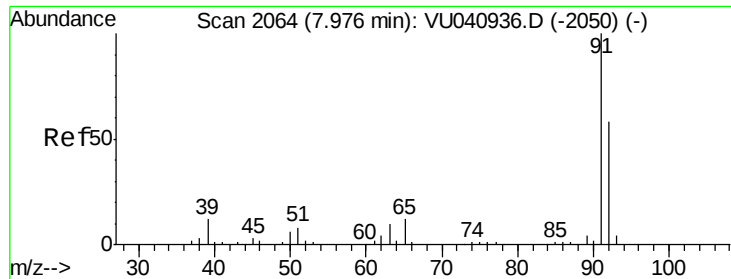
Tot Ion: 75 Resp: 33692
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 51.186 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

Tgt Ion: 43 Resp: 206653
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.8 44.6
 100 12.8 10.5 15.7





#42

Toluene

Concen: 5.221 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040957.D

Acq: 26 Oct 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

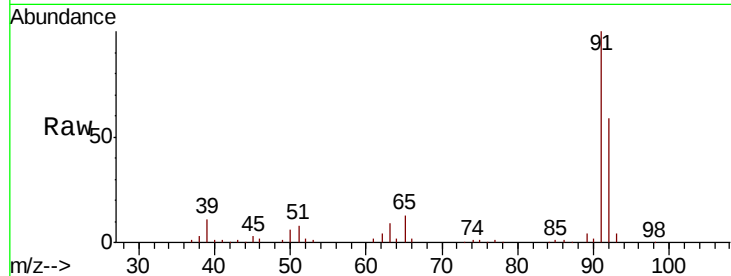
VSTD00526

Tot Ion: 91 Resp: 99068

Ion Ratio Lower Upper

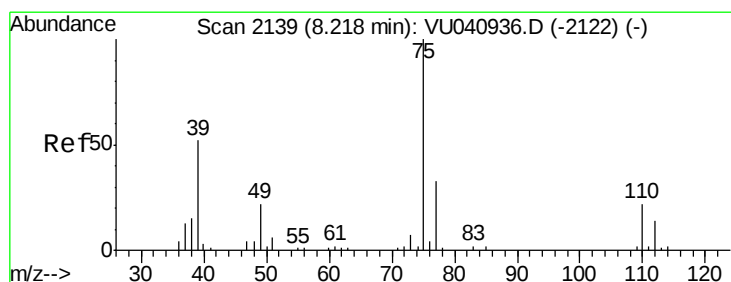
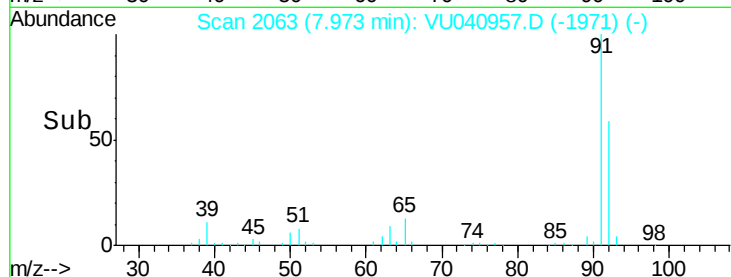
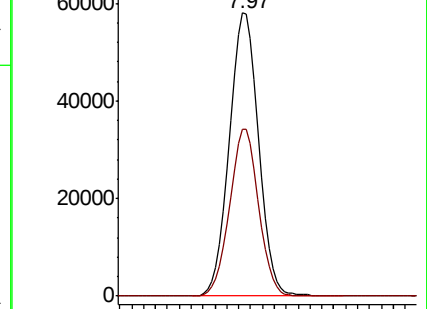
91 100

92 59.2 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU040936.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU040936.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.906 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040957.D

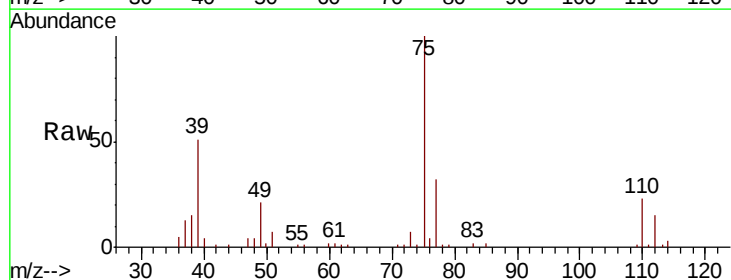
Acq: 26 Oct 2020 21:06

Tgt Ion: 75 Resp: 32007

Ion Ratio Lower Upper

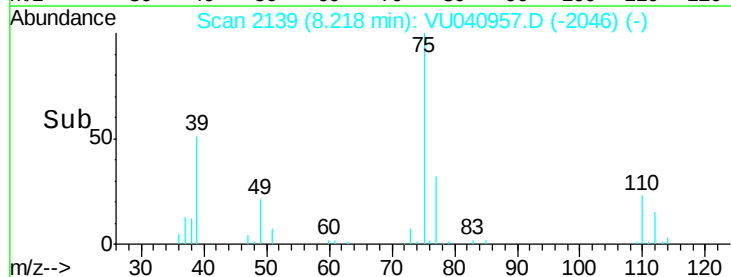
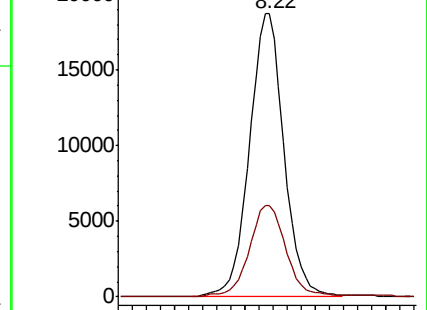
75 100

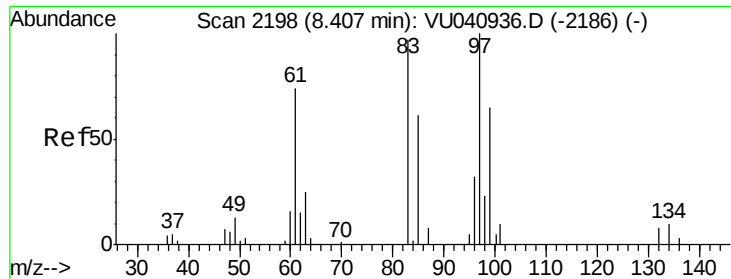
77 32.4 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU040936.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU040936.D (-2122) (-)

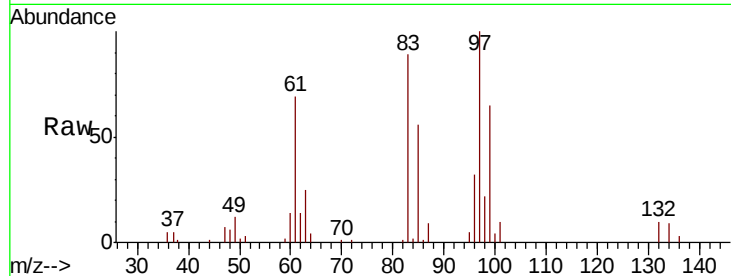




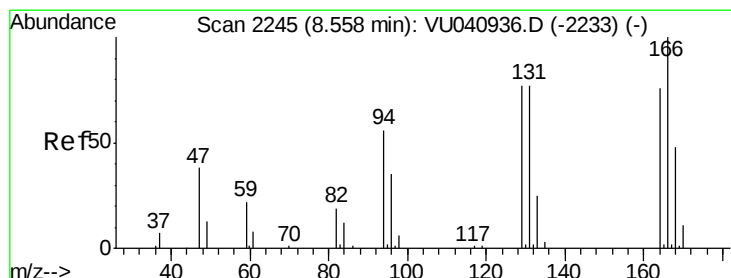
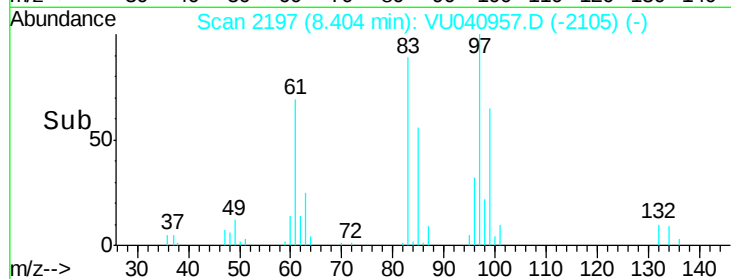
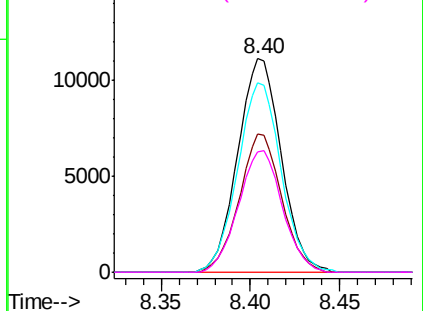
#45
 1,1,2-Trichloroethane
 Concen: 5.017 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion:	97	Resp:	18912
Ion	Ratio	Lower	Upper
97	100		
99	64.6	45.8	85.2
83	88.7	67.9	126.1
85	56.5	42.8	79.6

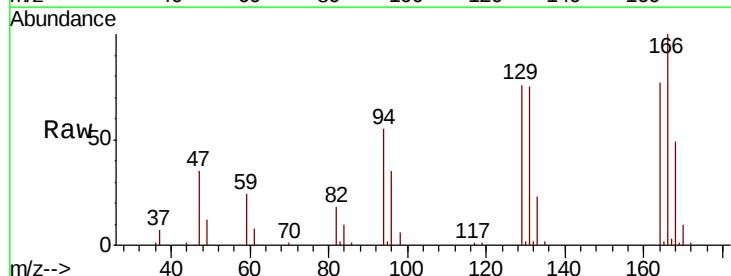


Abundance Ion 96.95 (96.65 to 97.65): VU040936.D (-2186) (-)
 Ion 99.05 (98.75 to 99.75): VU040936.D (-2186) (-)
 Ion 82.95 (82.65 to 83.65): VU040936.D (-2186) (-)
 Ion 85.00 (84.70 to 85.70): VU040936.D (-2186) (-)

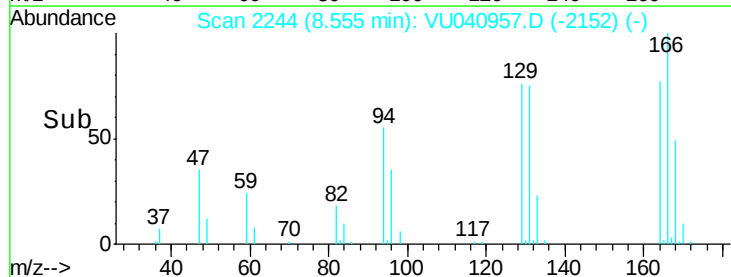
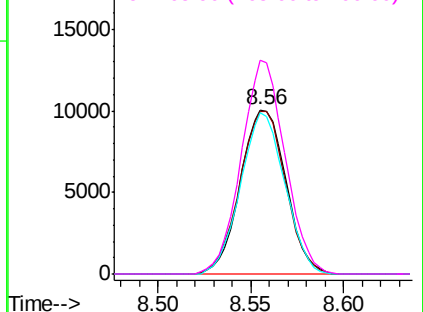


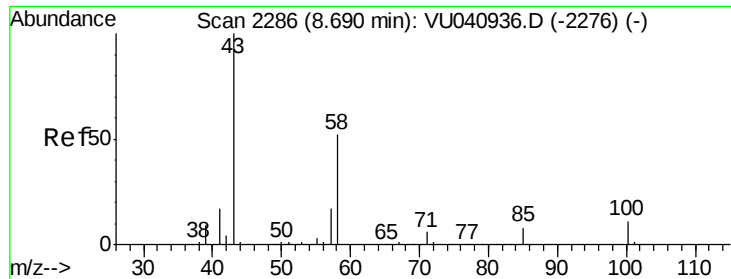
#47
 Tetrachloroethene
 Concen: 4.892 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

Tgt Ion:	164	Resp:	17132
Ion	Ratio	Lower	Upper
164	100		
129	99.5	70.3	130.7
131	98.2	70.8	131.4
166	130.3	92.0	170.8



Abundance Ion 163.90 (163.60 to 164.60): VU040936.D (-2233) (-)
 Ion 128.95 (128.65 to 129.65): VU040936.D (-2233) (-)
 Ion 130.95 (130.65 to 131.65): VU040936.D (-2233) (-)
 Ion 165.90 (165.60 to 166.60): VU040936.D (-2233) (-)

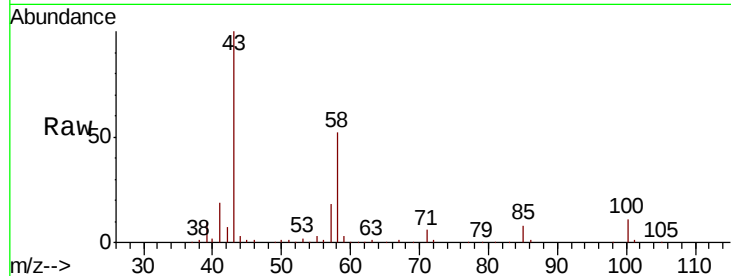




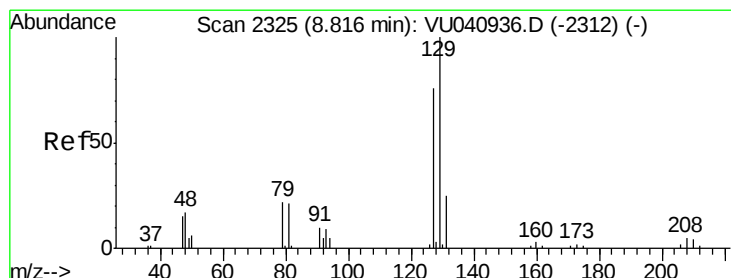
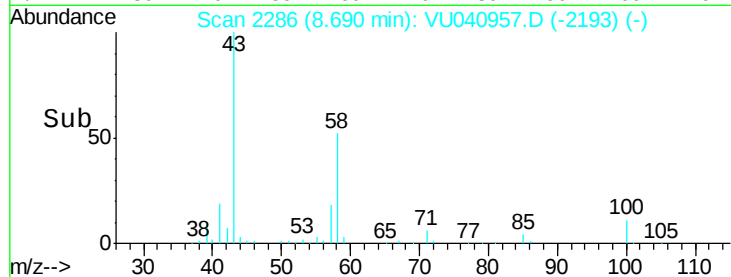
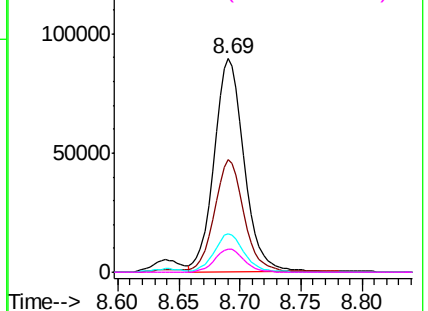
#48
2-Hexanone
Concen: 50.696 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040957.D
Acq: 26 Oct 2020 21:06

Instrument :
MSVOA_U
ClientSampled :
VSTD00526

Tot Ion: 43 Resp: 154113
Ion Ratio Lower Upper
43 100
58 52.7 41.4 62.2
57 18.2 14.6 21.8
100 10.8 8.3 12.5

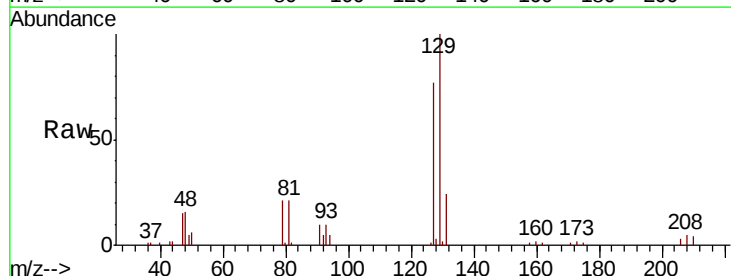


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

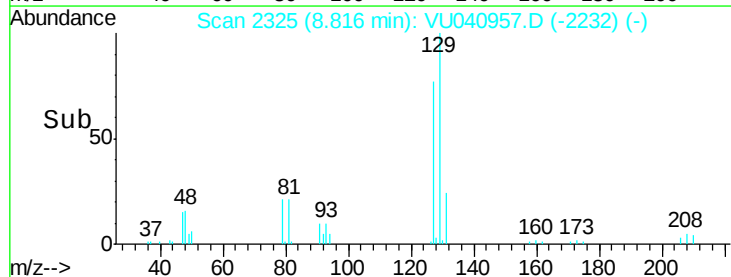
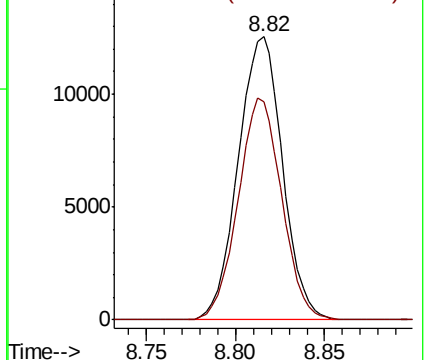


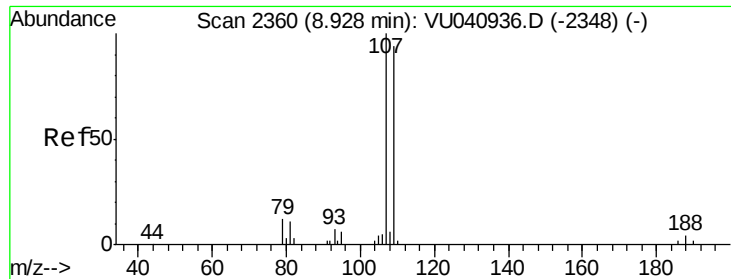
#49
Dibromochloromethane
Concen: 4.974 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU040957.D
Acq: 26 Oct 2020 21:06

Tgt Ion: 129 Resp: 21775
Ion Ratio Lower Upper
129 100
127 77.2 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

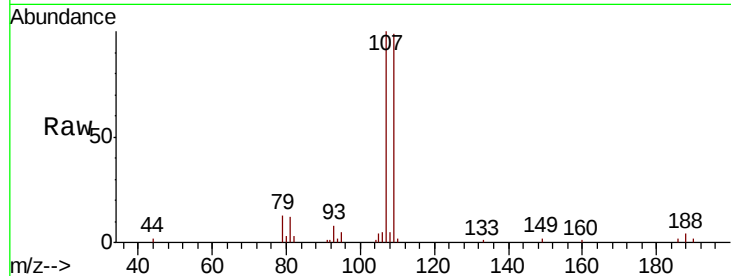




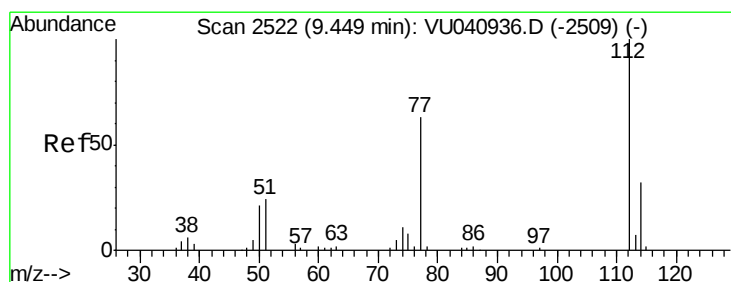
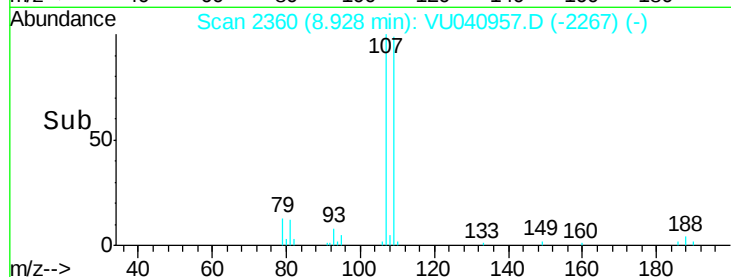
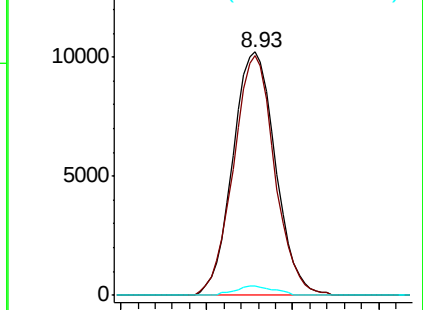
#50
 1,2-Dibromoethane
 Concen: 4.908 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion:107 Resp: 17628
 Ion Ratio Lower Upper
 107 100
 109 98.6 65.6 121.8
 188 3.6 2.9 4.3

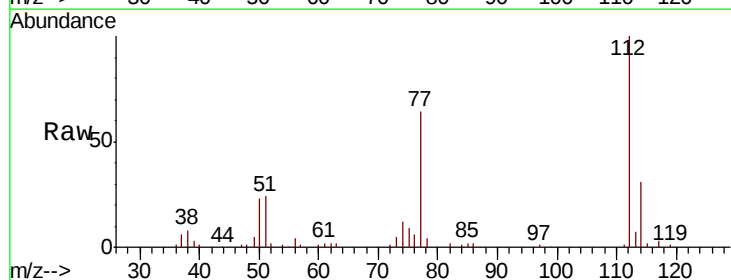


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

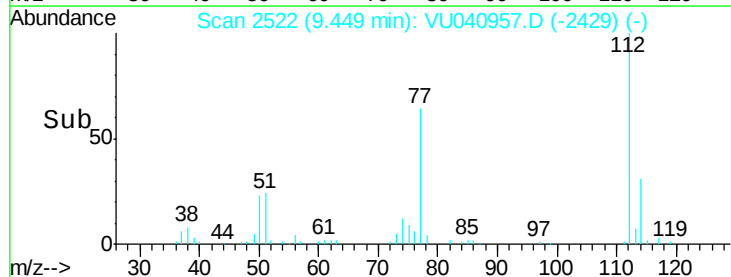
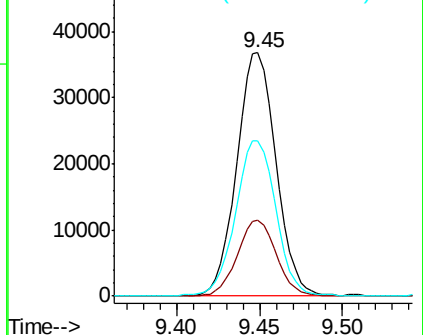


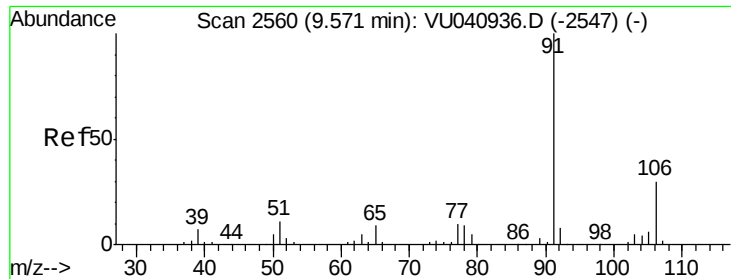
#51
 Chlorobenzene
 Concen: 5.044 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

Tgt Ion:112 Resp: 60688
 Ion Ratio Lower Upper
 112 100
 114 31.3 22.4 41.6
 77 63.9 51.2 76.8



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): V





#52

Ethylbenzene

Concen: 5.042 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040957.D

Acq: 26 Oct 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

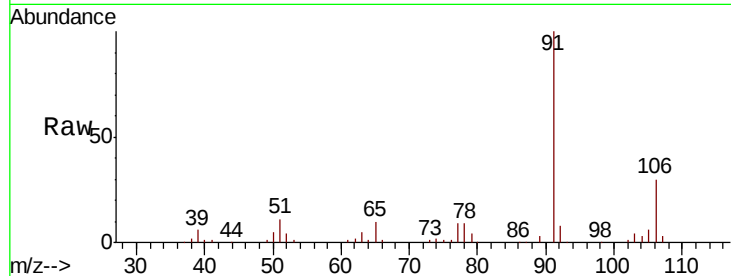
VSTD00526

Tot Ion: 91 Resp: 100717

Ion Ratio Lower Upper

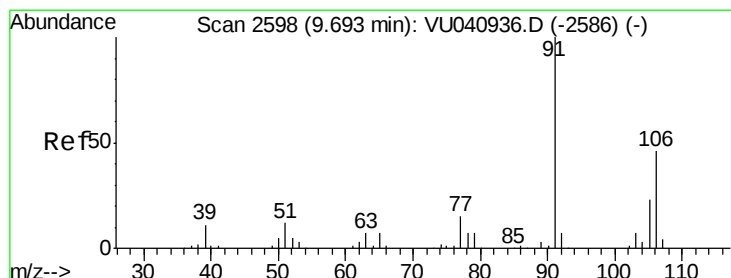
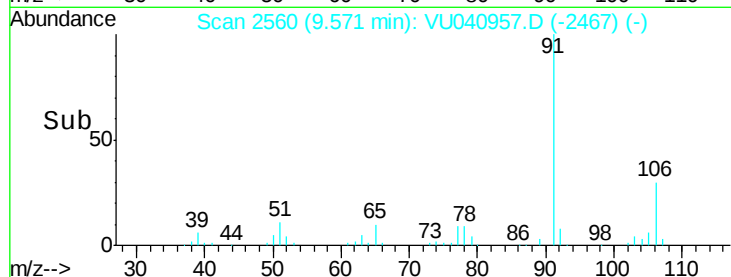
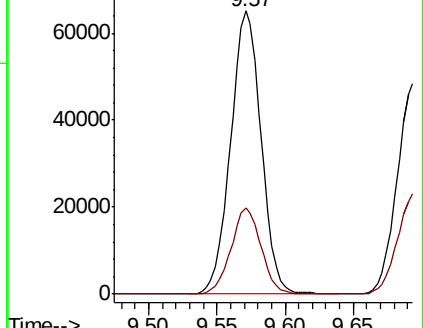
91 100

106 30.4 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040957.D (-2467) (-)

Ion 106.15 (105.85 to 106.85): VU040957.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.194 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040957.D

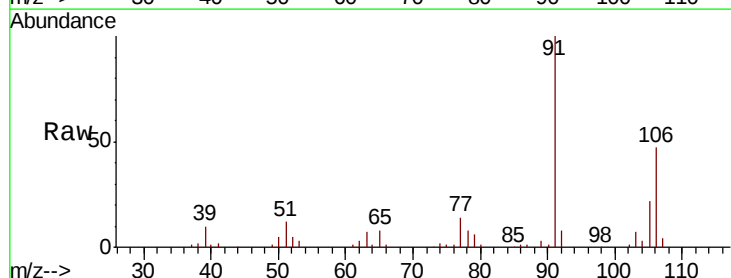
Acq: 26 Oct 2020 21:06

Tgt Ion: 106 Resp: 37835

Ion Ratio Lower Upper

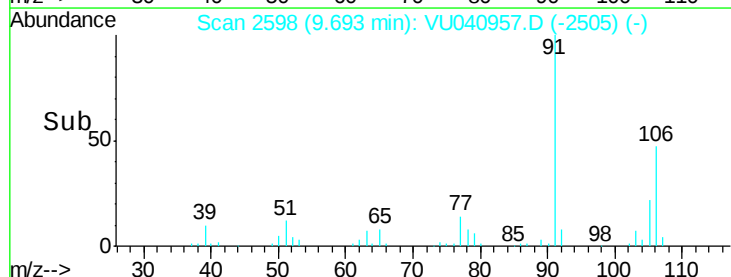
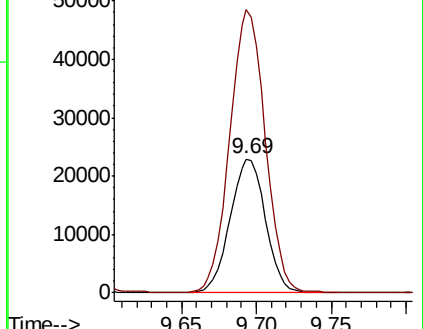
106 100

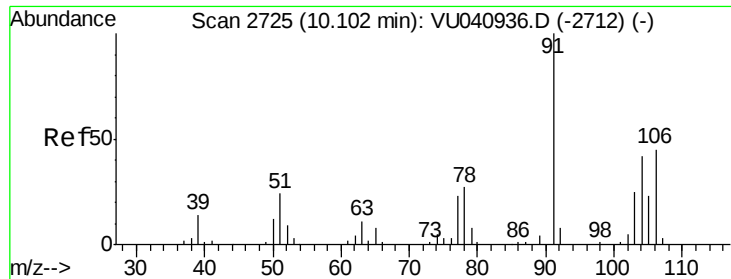
91 210.9 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU040957.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VU040957.D (-2505) (-)

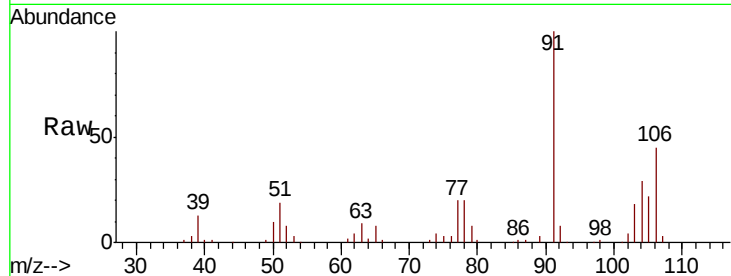




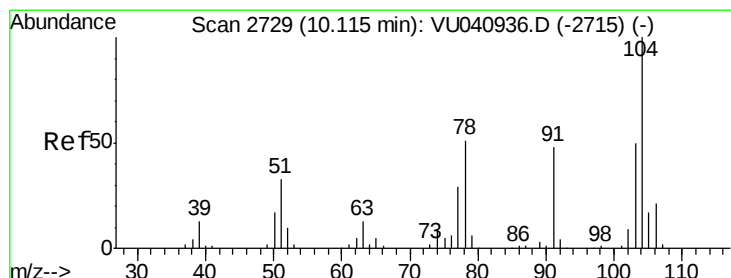
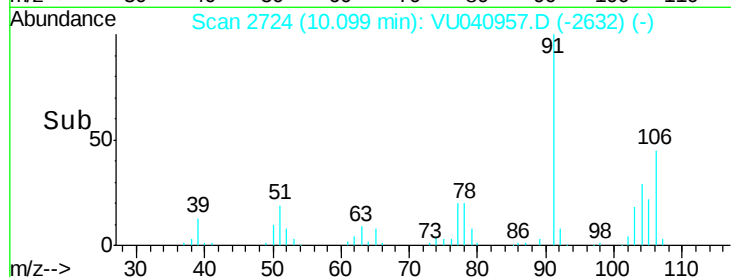
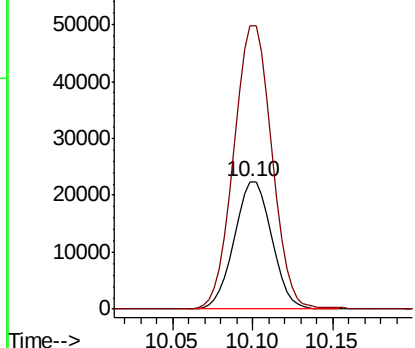
#54
o-Xylene
Concen: 5.275 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040957.D
Acq: 26 Oct 2020 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion:106 Resp: 35786
Ion Ratio Lower Upper
106 100
91 221.8 154.3 286.5

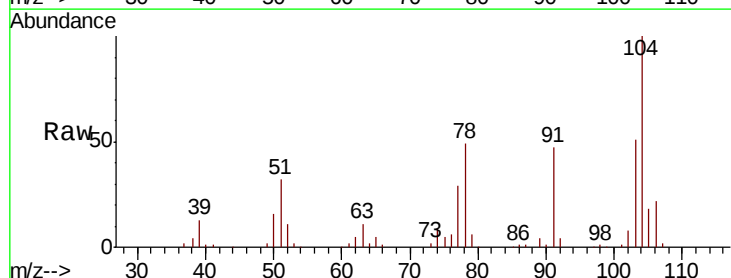


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

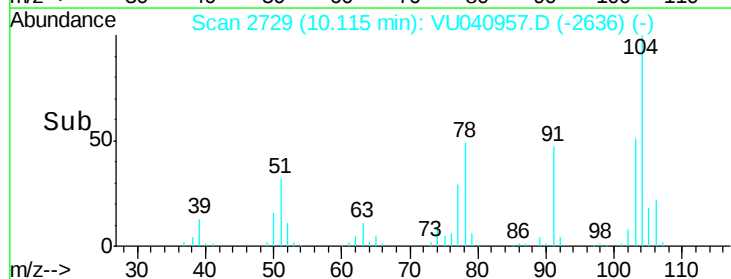
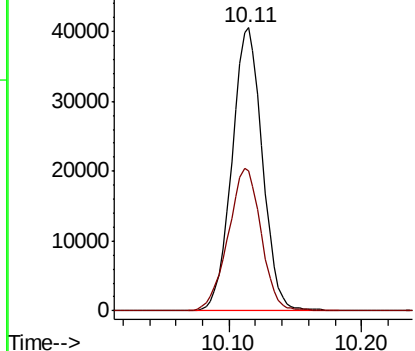


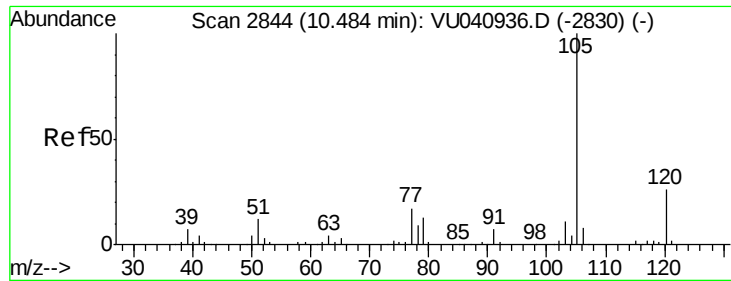
#55
Styrene
Concen: 5.348 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040957.D
Acq: 26 Oct 2020 21:06

Tgt Ion:104 Resp: 64639
Ion Ratio Lower Upper
104 100
78 49.4 35.5 65.9



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





#56

Isopropylbenzene

Concen: 5.106 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040957.D

Acq: 26 Oct 2020 21:06

Instrument :

MSVOA_U

ClientSampled :

VSTD00526

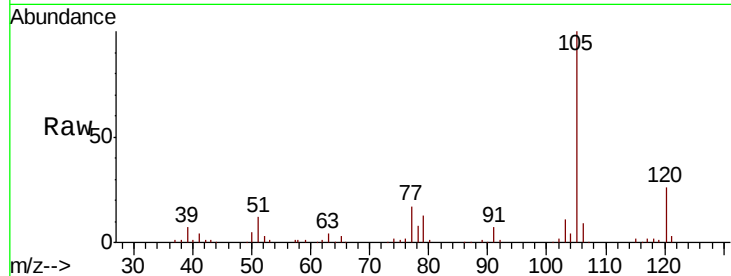
Tot Ion:105 Resp: 93145

Ion Ratio Lower Upper

105 100

120 26.3 20.7 31.1

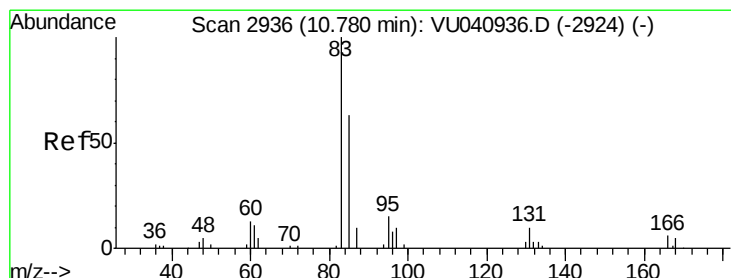
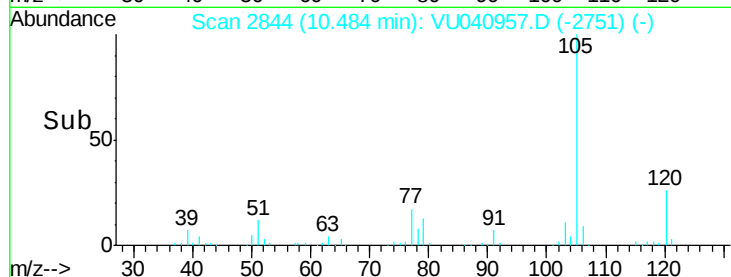
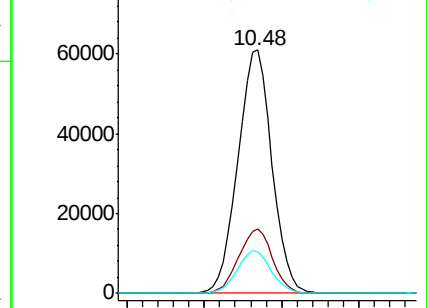
77 17.6 13.8 20.6



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: 4.976 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040957.D

Acq: 26 Oct 2020 21:06

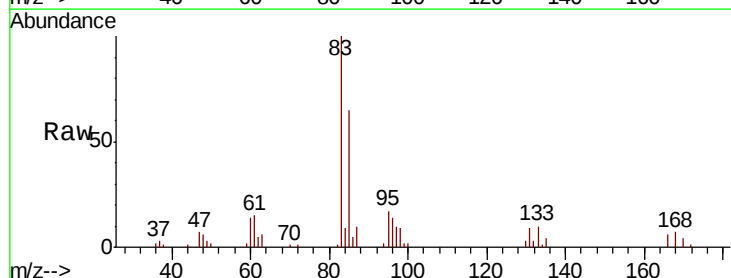
Tgt Ion: 83 Resp: 24633

Ion Ratio Lower Upper

83 100

85 64.5 44.4 82.4

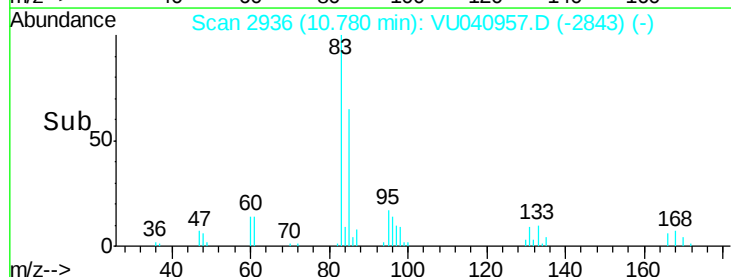
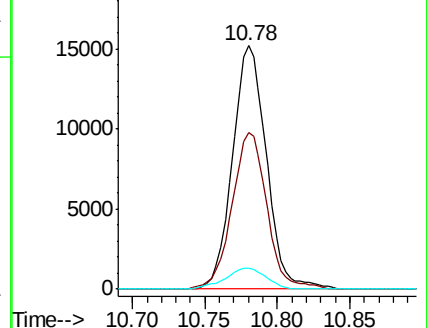
131 8.6 7.7 11.5

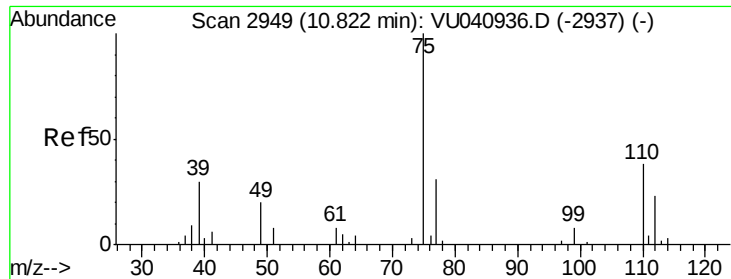


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.985 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040957.D

Acq: 26 Oct 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

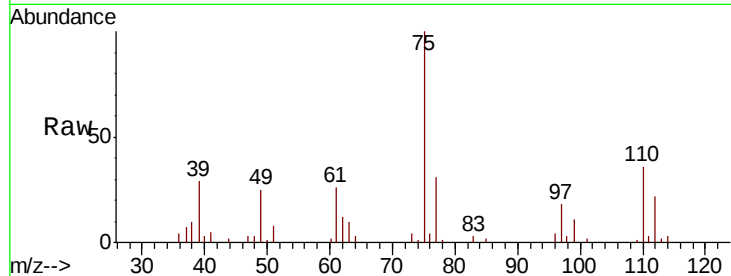
VSTD00526

Tot Ion: 75 Resp: 18814

Ion Ratio Lower Upper

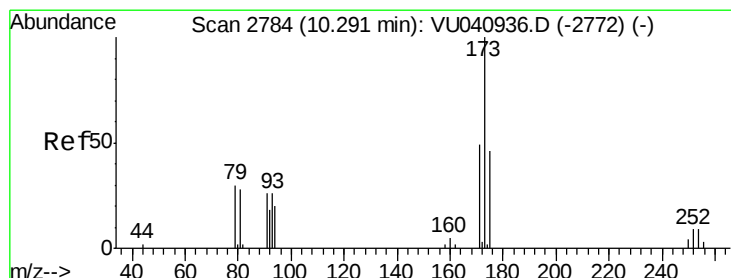
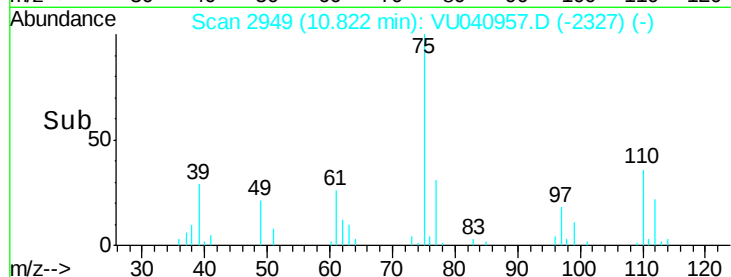
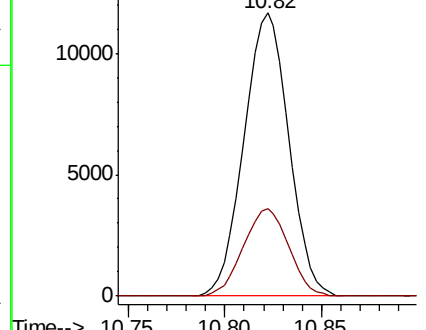
75 100

77 31.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU040936.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU040936.D (-2937) (-)



#61

Bromoform

Concen: 4.870 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040957.D

Acq: 26 Oct 2020 21:06

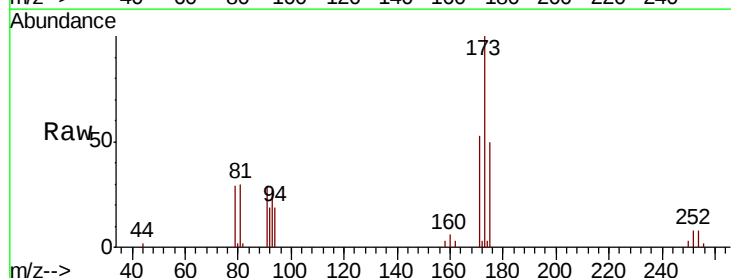
Tgt Ion: 173 Resp: 11814

Ion Ratio Lower Upper

173 100

175 48.5 37.6 56.4

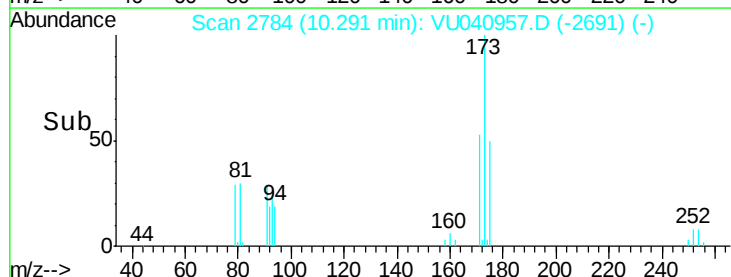
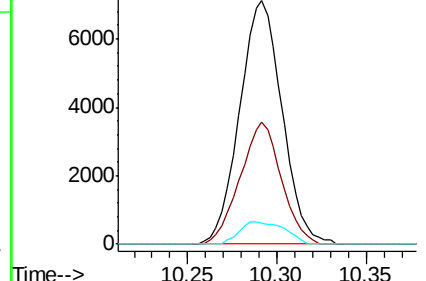
254 9.7 6.6 9.8

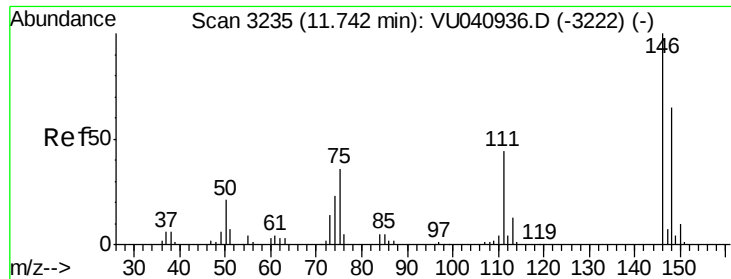


Abundance Ion 172.90 (172.60 to 173.60): VU040936.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU040936.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU040936.D (-2772) (-)

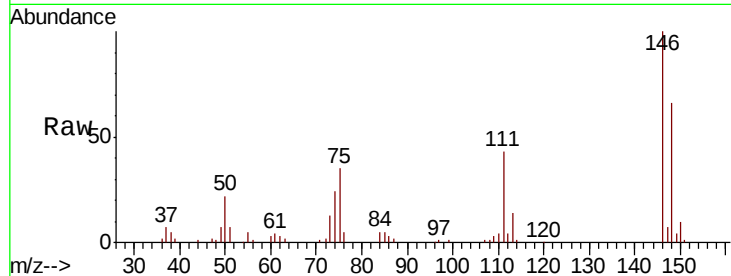




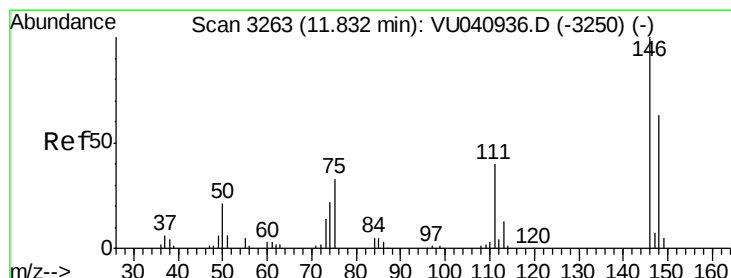
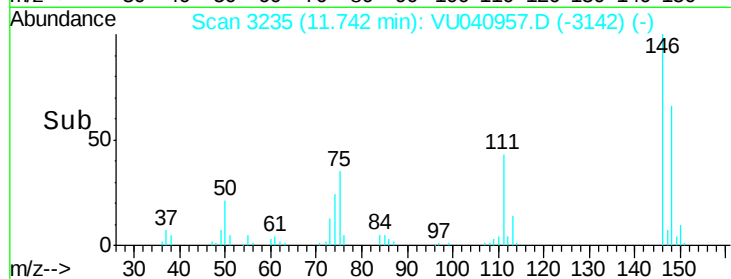
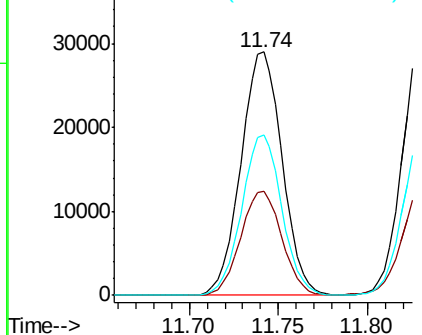
#62
 1,3-Dichlorobenzene
 Concen: 5.129 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion:146 Resp: 46612
 Ion Ratio Lower Upper
 146 100
 111 42.7 30.9 57.3
 148 66.1 45.8 85.2

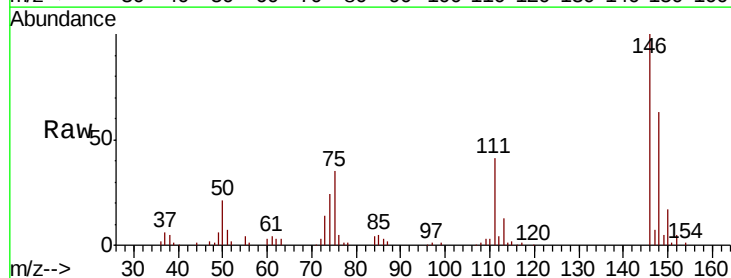


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

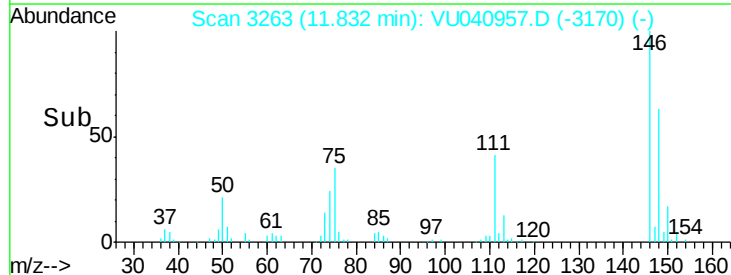
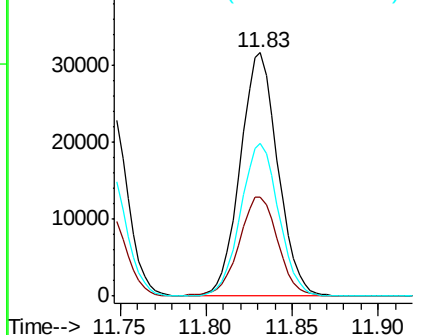


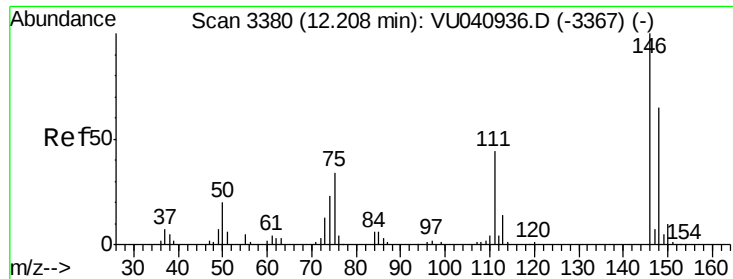
#63
 1,4-Dichlorobenzene
 Concen: 5.089 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

Tgt Ion:146 Resp: 47895
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.3 52.7
 148 62.8 44.2 82.2



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: 4.988 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040957.D

Acq: 26 Oct 2020 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

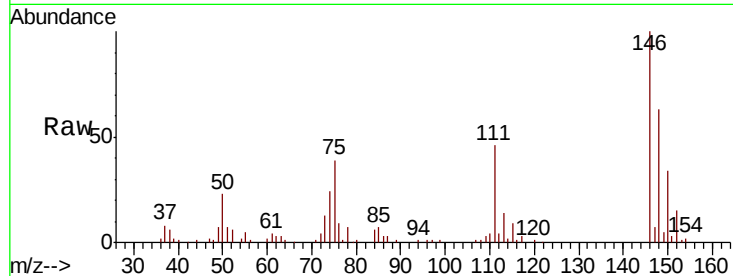
Tot Ion:146 Resp: 44733

Ion Ratio Lower Upper

146 100

111 46.3 35.0 52.6

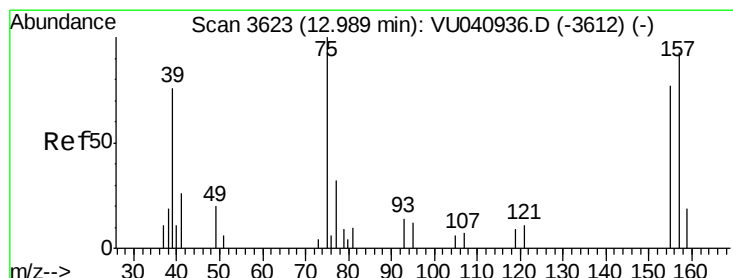
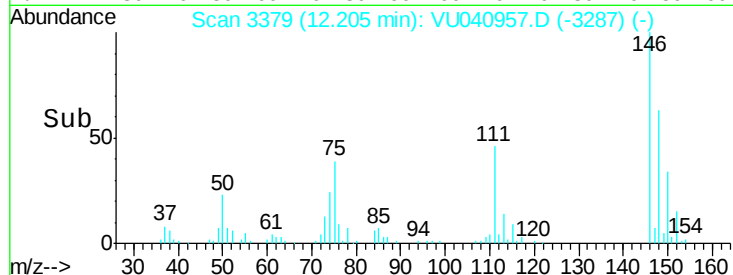
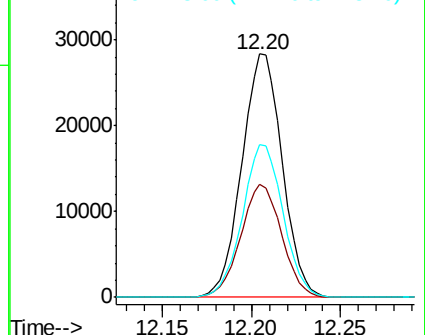
148 63.0 52.0 78.0



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: 5.126 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040957.D

Acq: 26 Oct 2020 21:06

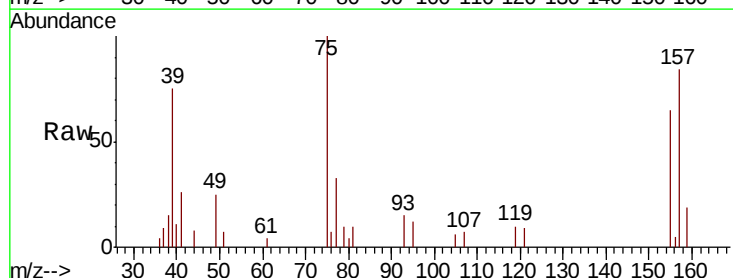
Tgt Ion: 75 Resp: 4505

Ion Ratio Lower Upper

75 100

155 64.9 61.4 92.2

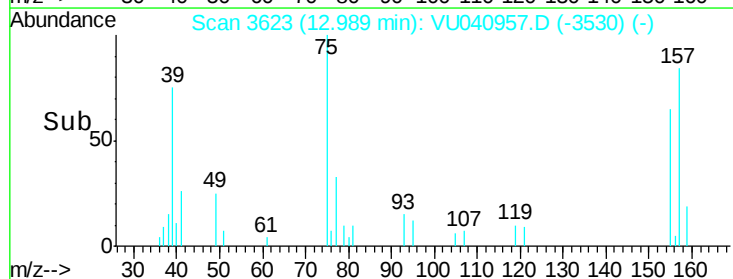
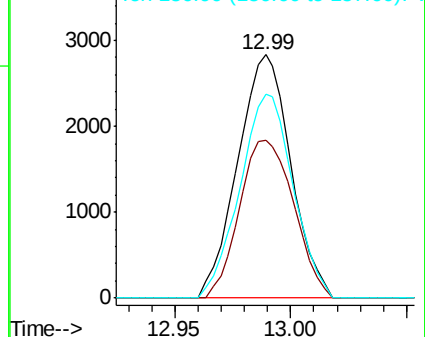
157 83.8 74.2 111.4

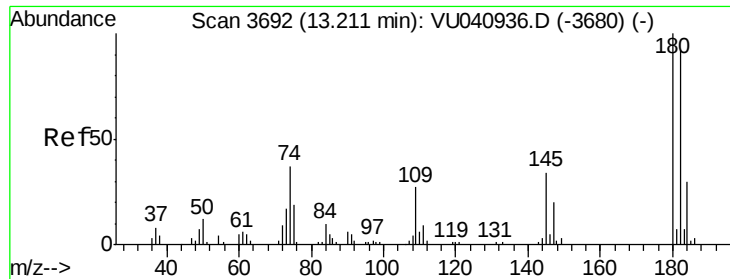


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

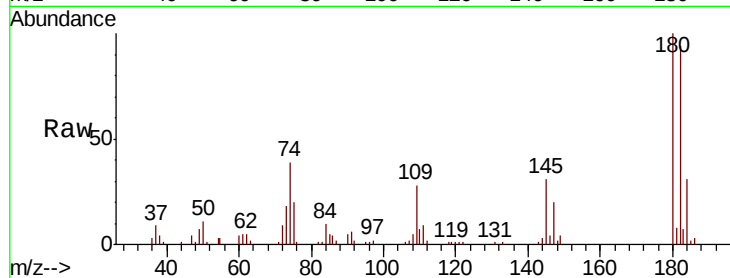




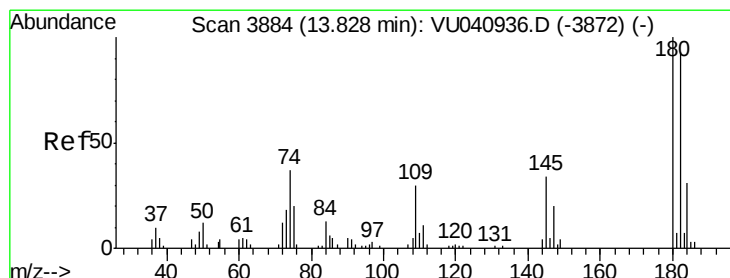
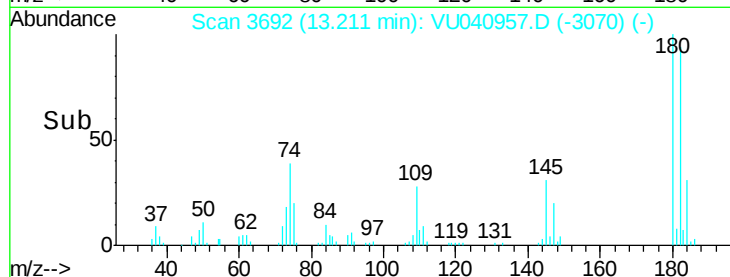
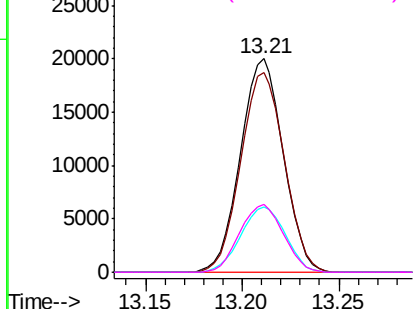
#67
 1,3,5-Trichlorobenzene
 Concen: 4.862 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion:180 Resp: 30900
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.7 113.5
 184 31.7 23.7 35.5
 145 32.2 26.1 39.1

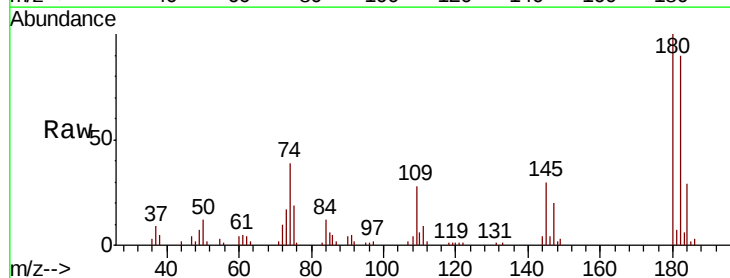


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

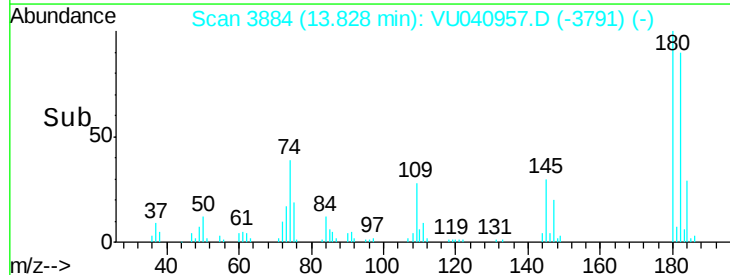
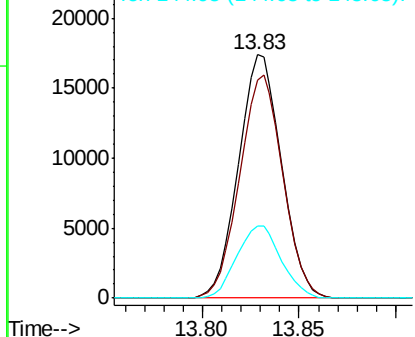


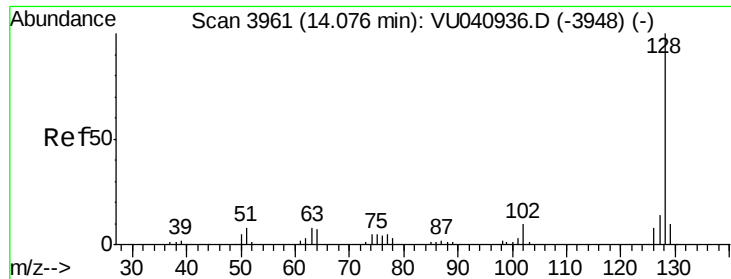
#68
 1,2,4-trichlorobenzene
 Concen: 5.098 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040957.D
 Acq: 26 Oct 2020 21:06

Tgt Ion:180 Resp: 26840
 Ion Ratio Lower Upper
 180 100
 182 92.0 73.5 110.3
 145 30.6 26.6 40.0



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

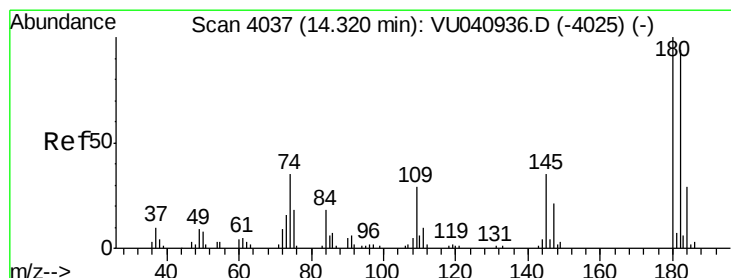
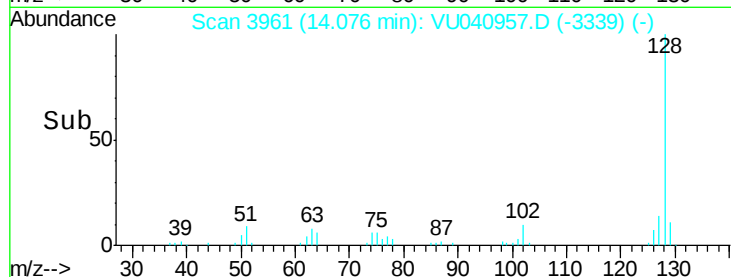
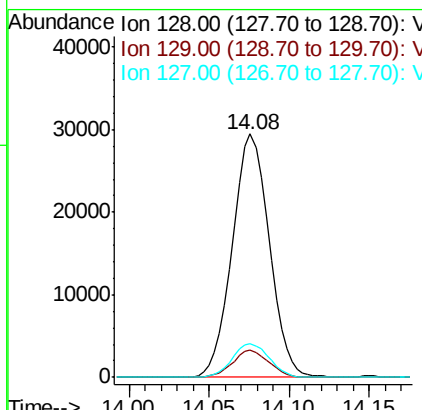
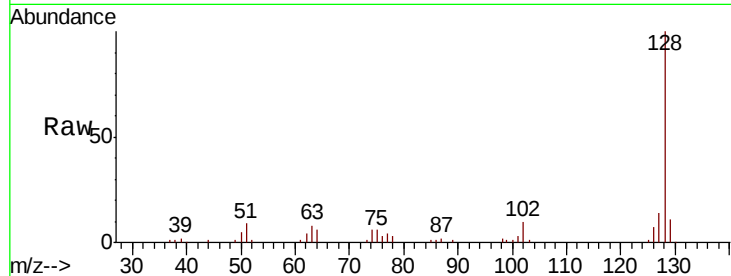




#69
Naphthalene
Concen: 4.928 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040957.D
Acq: 26 Oct 2020 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion:128 Resp: 46390
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.8 10.8 16.2



#70
1,2,3-Trichlorobenzene
Concen: 5.217 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU040957.D
Acq: 26 Oct 2020 21:06

Tgt Ion:180 Resp: 25314
Ion Ratio Lower Upper
180 100
182 95.6 77.7 116.5
145 36.6 29.4 44.0

