

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111720\
 Data File : VU041269.D
 Acq On : 17 Nov 2020 10:03
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Quant Time: Nov 17 22:28:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 16 12:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	74267	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	75860	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	38874	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24836	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.92	69	21508	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.58	63	52098	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.40%
20) 2-Butanone-d5	4.65	46	100772	44.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.48%
24) Chloroform-d	5.08	84	58182	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.72	65	33564	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.74	84	94994	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.70	67	34826	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.90	98	98432	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
43) trans-1,3-Dichloropropene-	8.18	79	14511	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.64	63	81196	50.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.24%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	32859	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	36519	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	27760	4.529	ug/L 99
3) Chloromethane	1.53	50	30322	4.593	ug/L 96
5) Vinyl chloride	1.61	62	31733	4.922	ug/L 97
6) Bromomethane	1.86	94	13407	3.506	ug/L 99
8) Chloroethane	1.94	64	19600	4.580	ug/L 97
9) Trichlorofluoromethane	2.15	101	46278	4.608	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	25171	4.601	ug/L 97
12) 1,1-Dichloroethene	2.59	96	22462	4.646	ug/L 94
13) Acetone	2.66	43	62173	41.609	ug/L # 59
14) Carbon disulfide	2.81	76	64884	4.561	ug/L 100
15) Methyl Acetate	2.97	43	13813	4.450	ug/L 99
16) Methylene chloride	3.06	84	29435	4.856	ug/L 96
17) Methyl tert-butyl Ether	3.38	73	58906	4.451	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	19869	4.220	ug/L 98
19) 1,1-Dichloroethane	3.89	63	46521	4.419	ug/L 97
21) 2-Butanone	4.73	43	95946	42.293	ug/L 97
22) cis-1,2-Dichloroethene	4.68	96	24542	4.615	ug/L 97

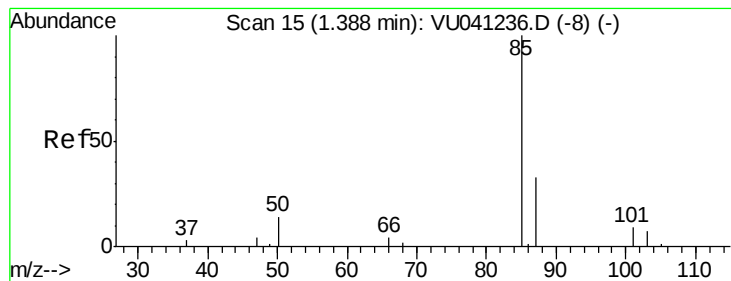
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
 Data File : VU041269.D
 Acq On : 17 Nov 2020 10:03
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

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 MSVOA_U
 ClientSampleId :
 VSTD00524

Quant Time: Nov 17 22:28:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 16 12:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	12600	4.779	ug/L	92
25) Chloroform	5.10	83	55829	4.890	ug/L	96
27) 1,2-Dichloroethane	5.81	62	38354	4.673	ug/L	95
29) 1,1,1-Trichloroethane	5.33	97	46112	4.973	ug/L	96
30) Cyclohexane	5.40	56	36137	4.717	ug/L	96
31) Carbon tetrachloride	5.54	117	39366	4.896	ug/L	99
33) Benzene	5.79	78	99535	4.842	ug/L	100
34) Trichloroethene	6.55	95	28356	5.104	ug/L	96
35) Methylcyclohexane	6.77	83	33902	4.593	ug/L	98
37) 1,2-Dichloropropane	6.80	63	29785	4.957	ug/L	98
38) Bromodichloromethane	7.11	83	38732	4.931	ug/L #	99
39) cis-1,3-Dichloropropene	7.61	75	41096	4.903	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	243306	48.928	ug/L	99
42) Toluene	7.97	91	113145	5.150	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	38165	4.814	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	22789	4.904	ug/L	96
47) Tetrachloroethene	8.56	164	19944	4.858	ug/L	94
48) 2-Hexanone	8.69	43	181069	48.778	ug/L	99
49) Dibromochloromethane	8.81	129	28086	5.100	ug/L	97
50) 1,2-Dibromoethane	8.93	107	21286	4.937	ug/L #	100
51) Chlorobenzene	9.45	112	73749	5.068	ug/L	94
52) Ethylbenzene	9.57	91	117822	5.022	ug/L	100
53) m,p-Xylene	9.69	106	45087	5.317	ug/L	94
54) o-Xylene	10.10	106	43167	5.285	ug/L	97
55) Styrene	10.11	104	76373	5.281	ug/L	99
56) Isopropylbenzene	10.48	105	118387	5.472	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	30380	5.001	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	23105	4.876	ug/L	98
61) Bromoform	10.29	173	16635	4.673	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	59751	5.108	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	60100	4.986	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	57341	4.928	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	5554	5.142	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	40933	4.913	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	34547	4.992	ug/L	96
69) Naphthalene	14.08	128	57077	5.094	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	33259	5.175	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.529 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041269.D

Acq: 17 Nov 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

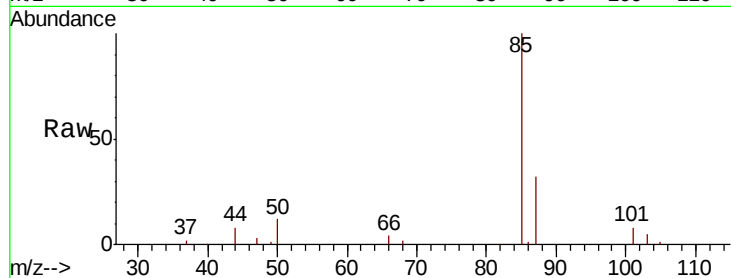
VSTD00524

Tot Ion: 85 Resp: 27760

Ion Ratio Lower Upper

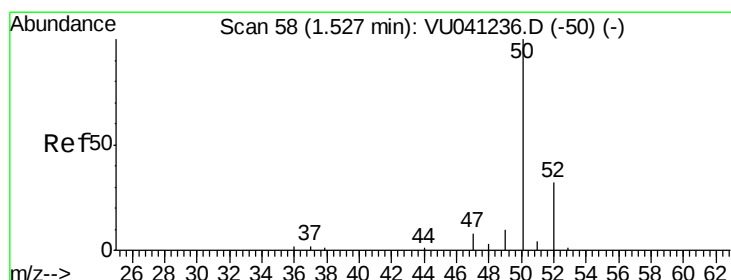
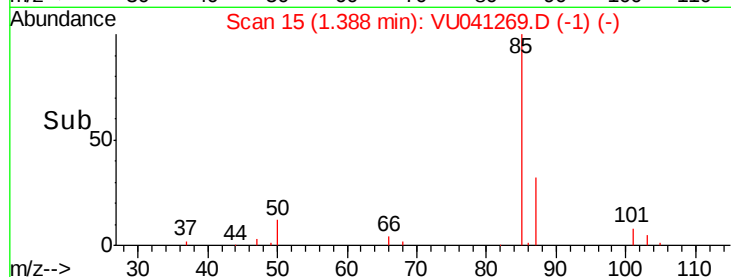
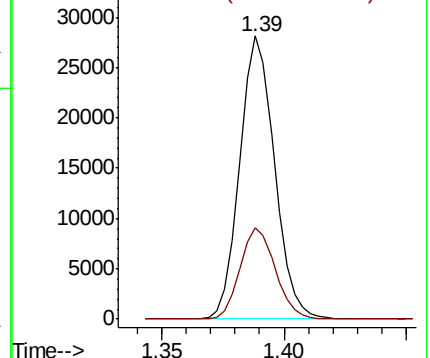
85 100

87 32.6 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU041236.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU041236.D (-8) (-)



#3

Chloromethane

Concen: 4.593 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041269.D

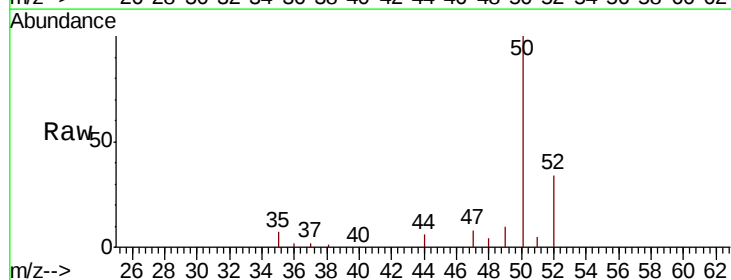
Acq: 17 Nov 2020 10:03

Tgt Ion: 50 Resp: 30322

Ion Ratio Lower Upper

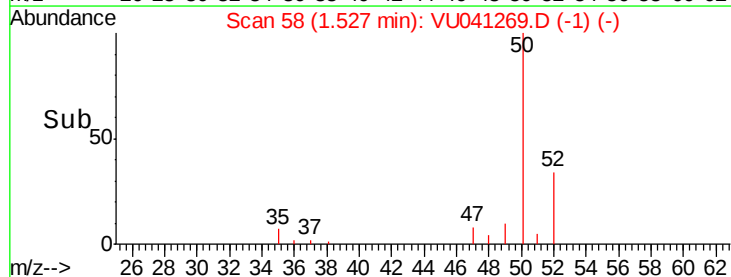
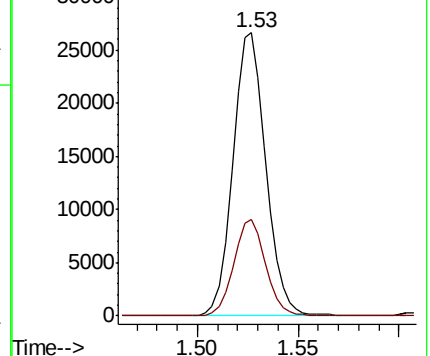
50 100

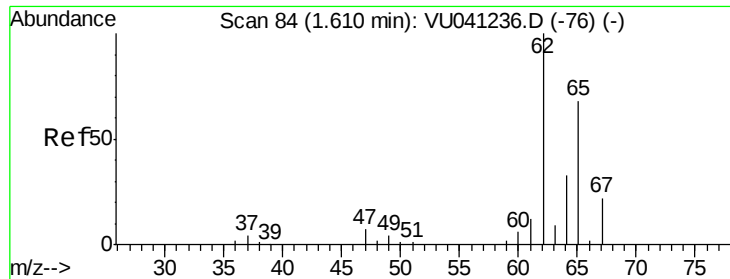
52 34.3 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041236.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU041236.D (-50) (-)





#5

Vinyl chloride

Concen: 4.922 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041269.D

Acq: 17 Nov 2020 10:03

Instrument :

MSVOA_U

ClientSampleID :

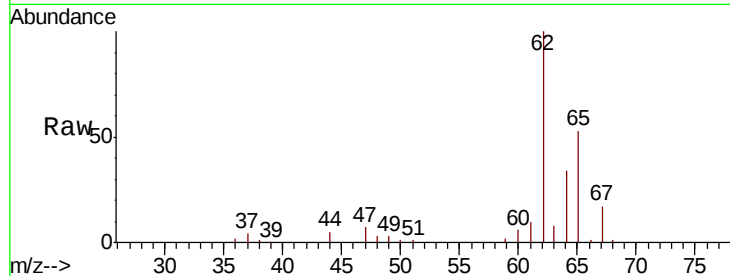
VSTD00524

Tot Ion: 62 Resp: 31733

Ion Ratio Lower Upper

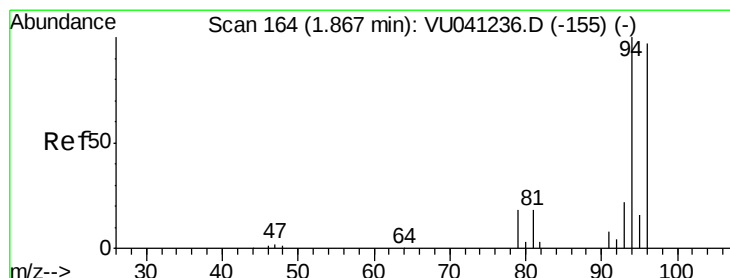
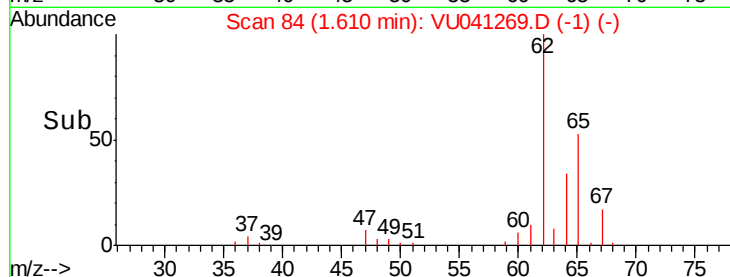
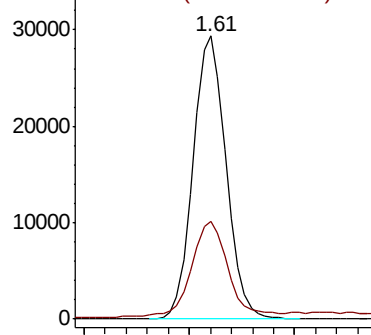
62 100

64 34.4 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 3.506 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041269.D

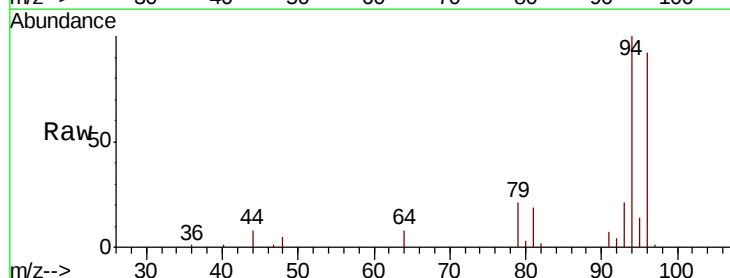
Acq: 17 Nov 2020 10:03

Tgt Ion: 94 Resp: 13407

Ion Ratio Lower Upper

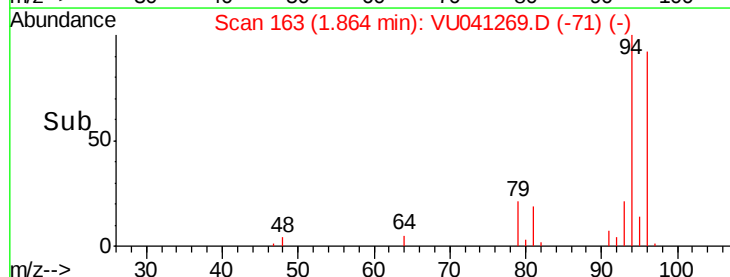
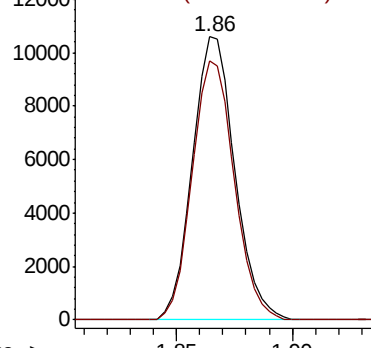
94 100

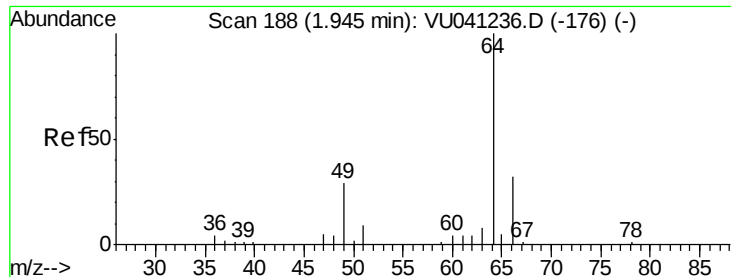
96 91.7 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

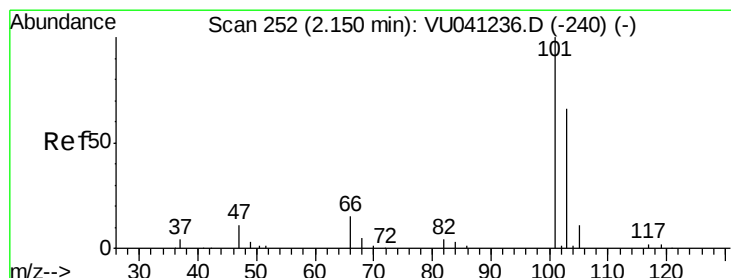
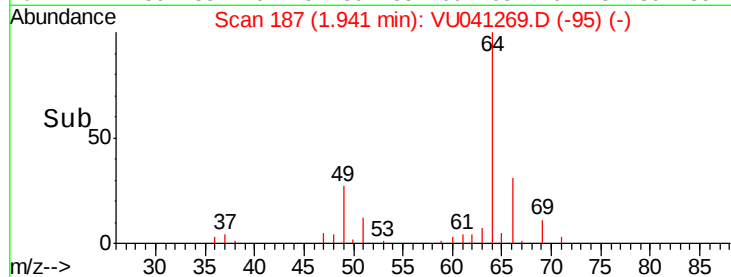
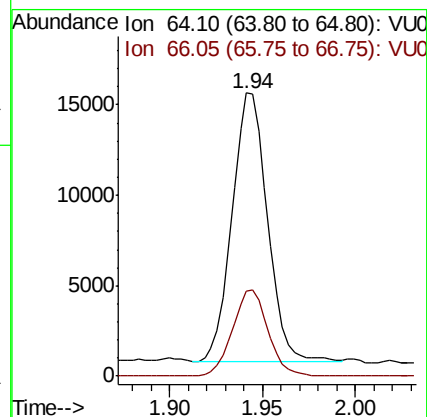
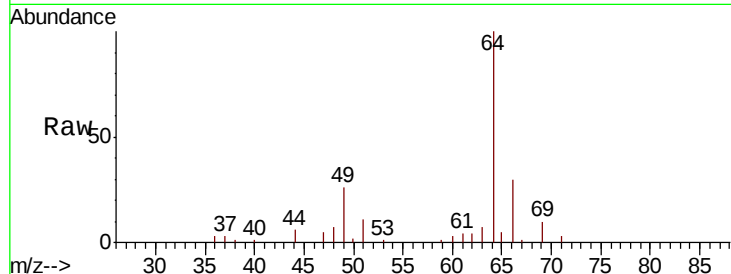




#8
Chloroethane
Concen: 4.580 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

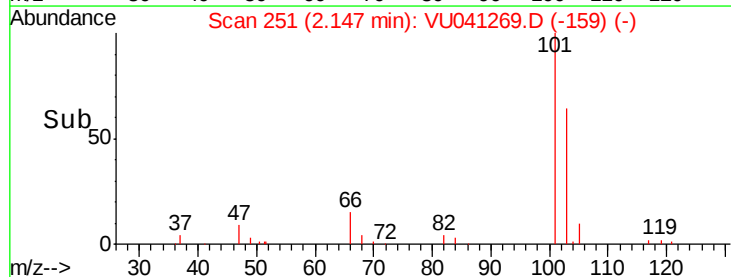
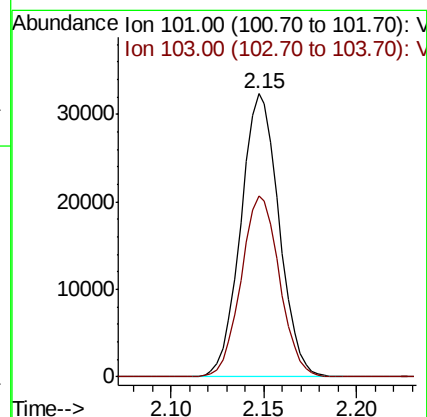
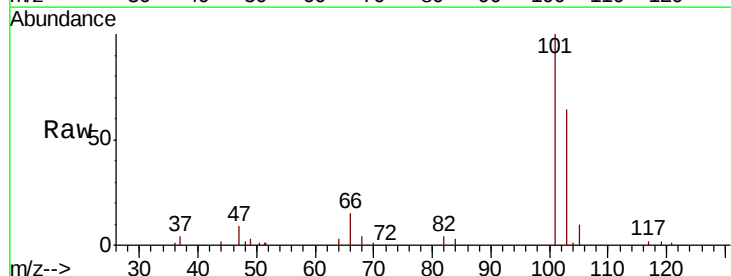
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

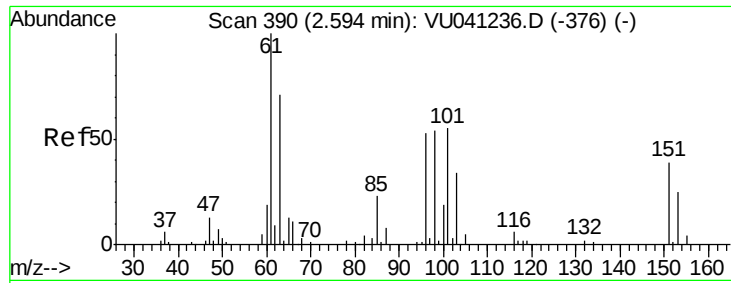
Tot Ion: 64 Resp: 19600
Ion Ratio Lower Upper
64 100
66 30.2 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.608 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

Tgt Ion:101 Resp: 46278
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.4





#10

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

Concen: 4.601 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041269.D

Acq: 17 Nov 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

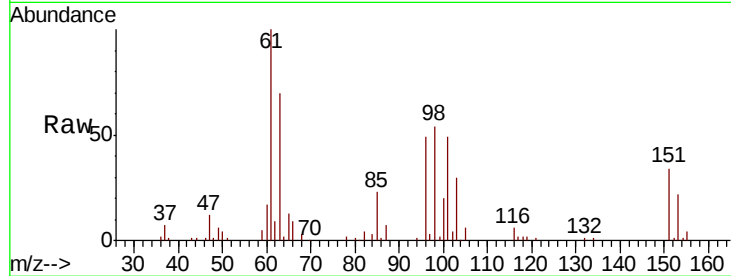
Tot Ion:101 Resp: 25171

Ion Ratio Lower Upper

101 100

85 45.6 35.0 52.4

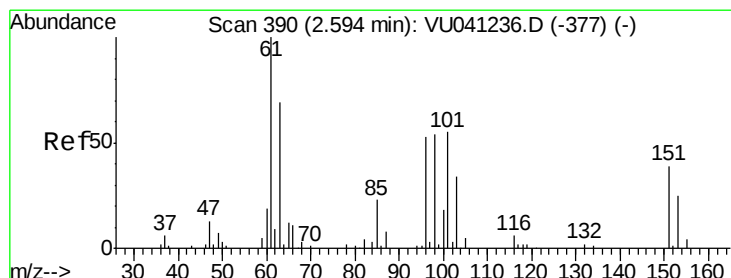
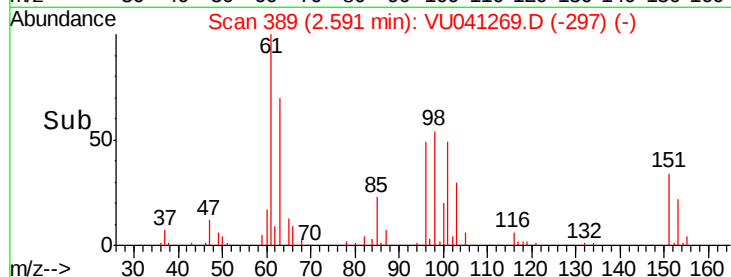
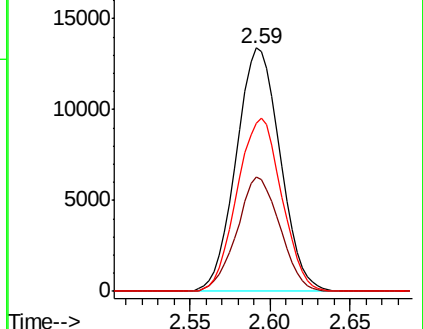
151 72.1 55.3 82.9



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: 4.646 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041269.D

Acq: 17 Nov 2020 10:03

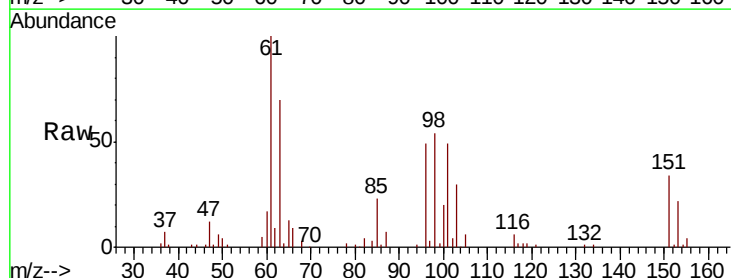
Tgt Ion: 96 Resp: 22462

Ion Ratio Lower Upper

96 100

61 202.5 134.3 249.5

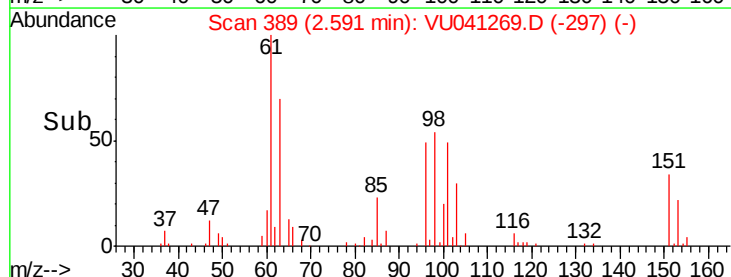
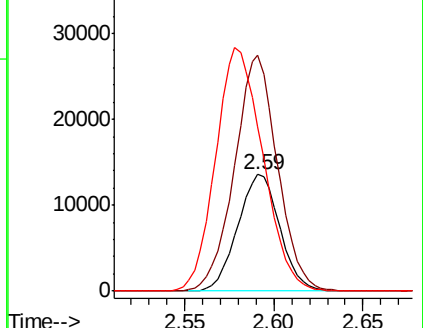
63 140.9 95.0 176.4

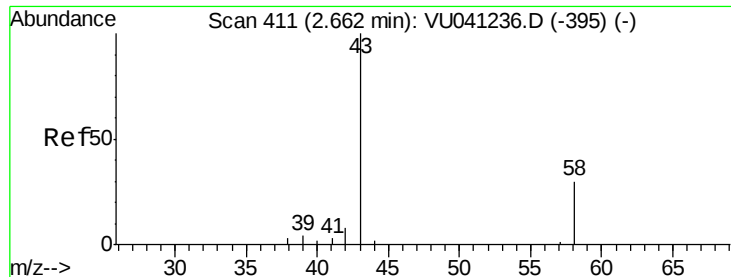


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 41.609 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU041269.D

Acq: 17 Nov 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

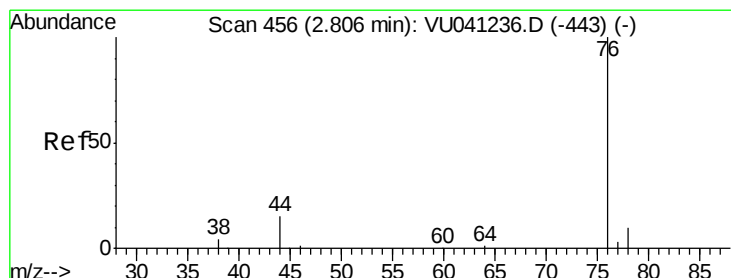
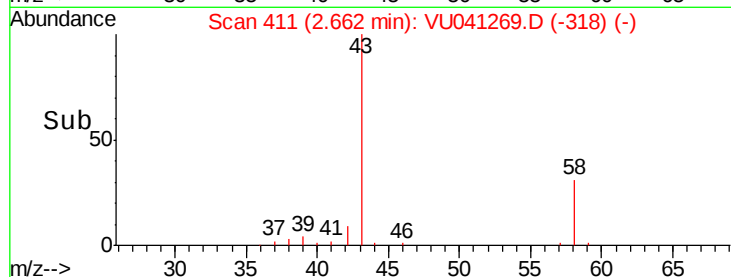
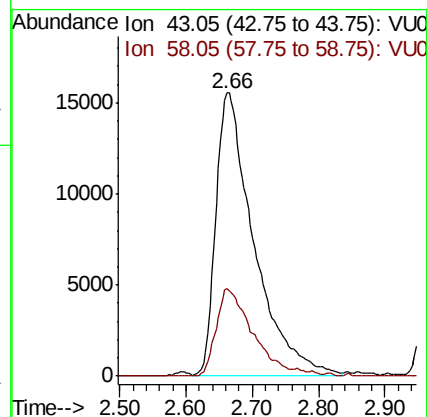
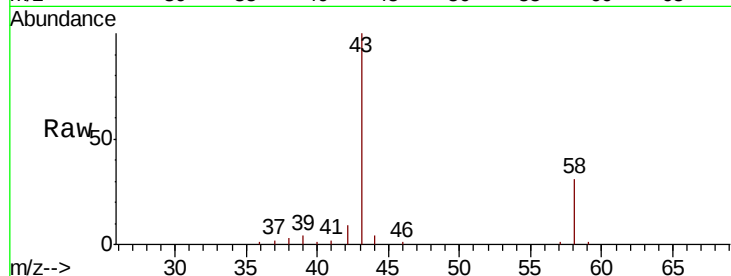
VSTD00524

Tot Ion: 43 Resp: 62173

Ion Ratio Lower Upper

43 100

58 29.0 0.0 25.4#



#14

Carbon disulfide

Concen: 4.561 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041269.D

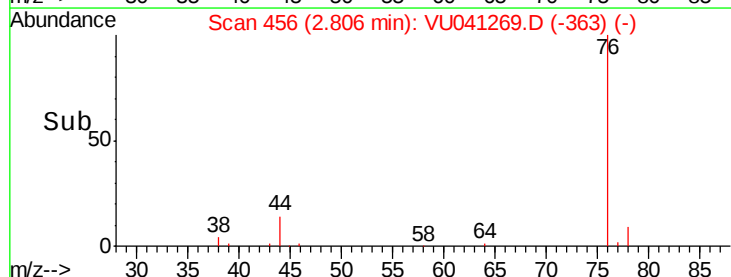
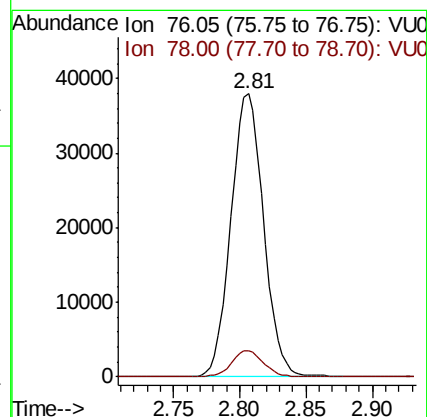
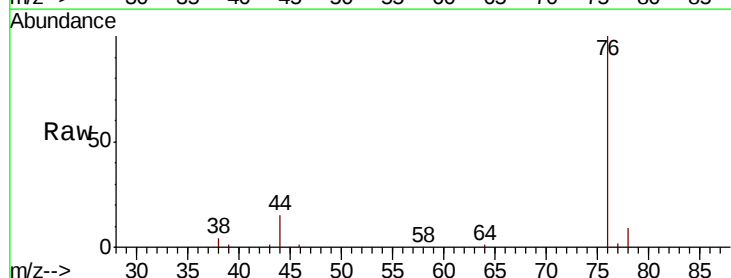
Acq: 17 Nov 2020 10:03

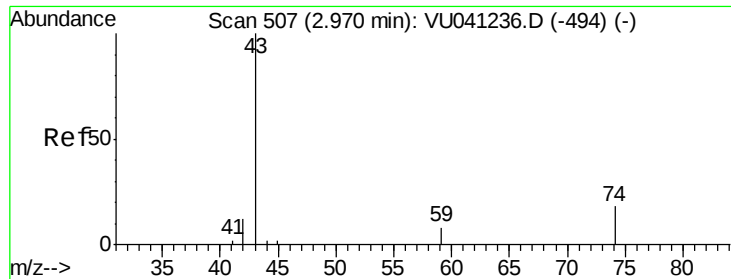
Tgt Ion: 76 Resp: 64884

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

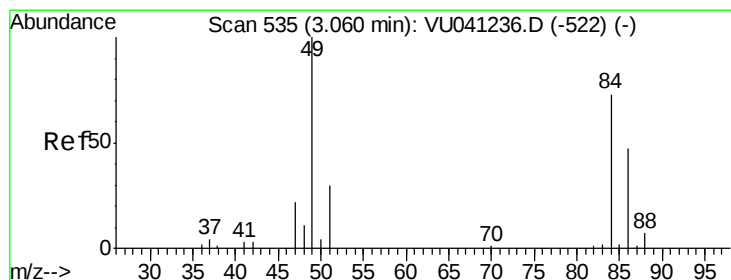
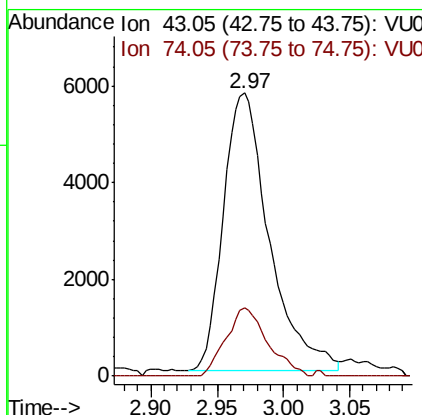
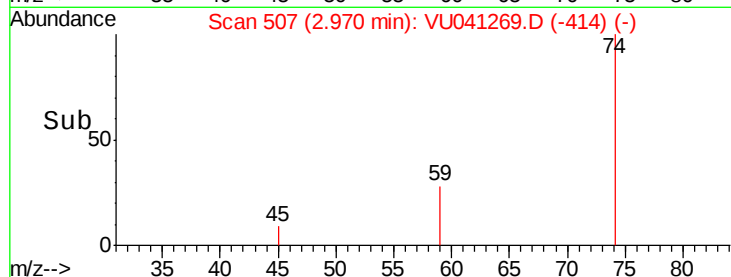
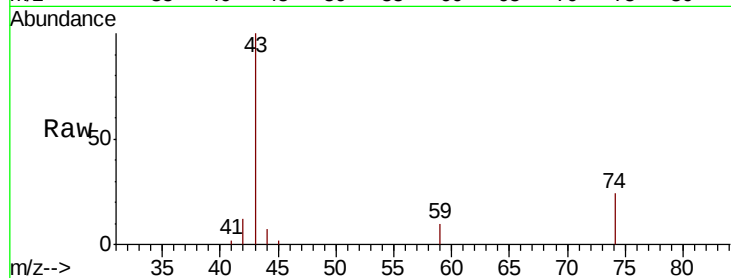




#15
Methyl Acetate
Concen: 4.450 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

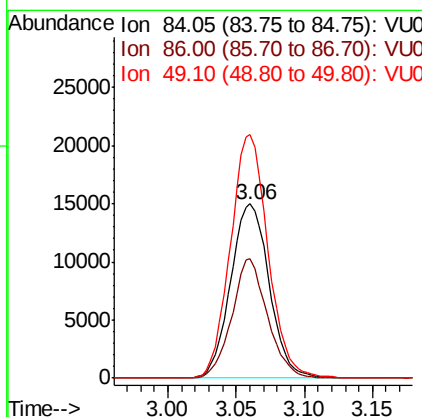
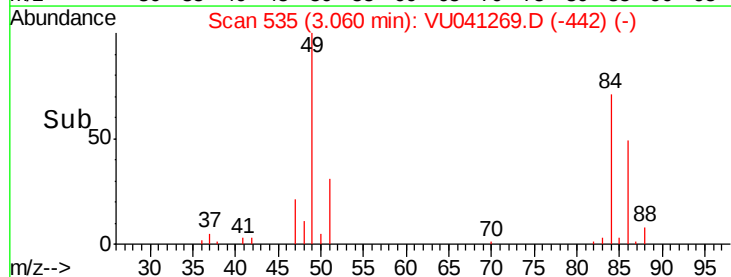
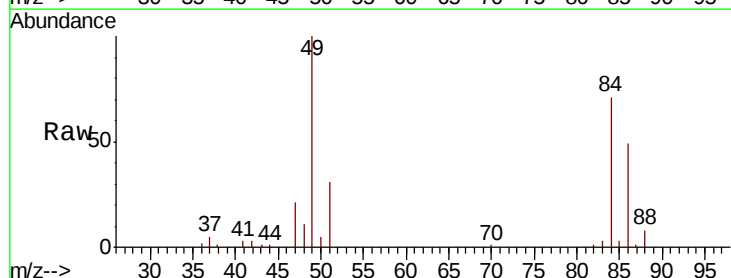
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

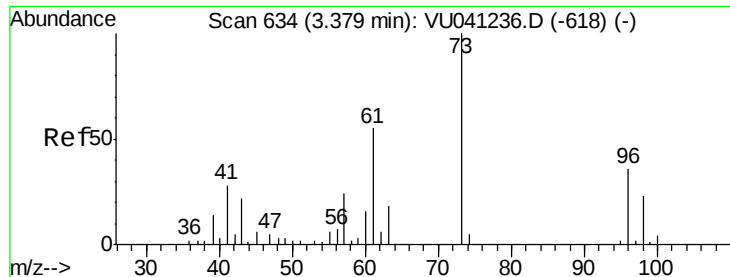
Tot Ion: 43 Resp: 13813
Ion Ratio Lower Upper
43 100
74 22.3 18.3 27.5



#16
Methylene chloride
Concen: 4.856 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

Tgt Ion: 84 Resp: 29435
Ion Ratio Lower Upper
84 100
86 68.6 42.8 79.6
49 139.9 99.5 184.7

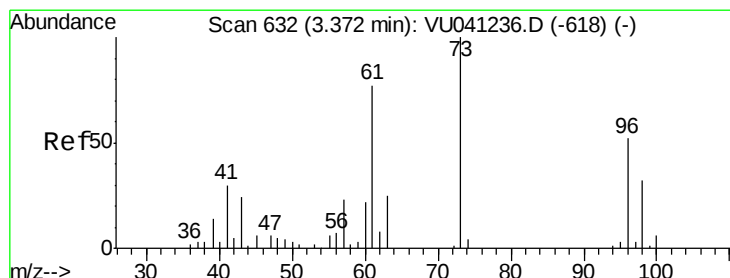
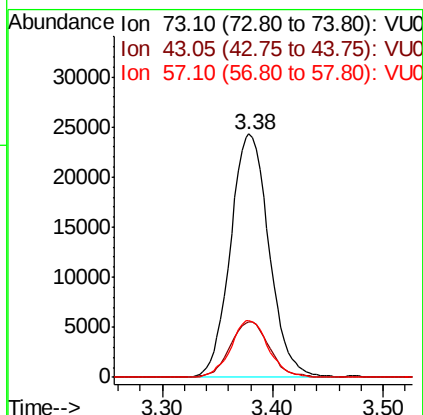
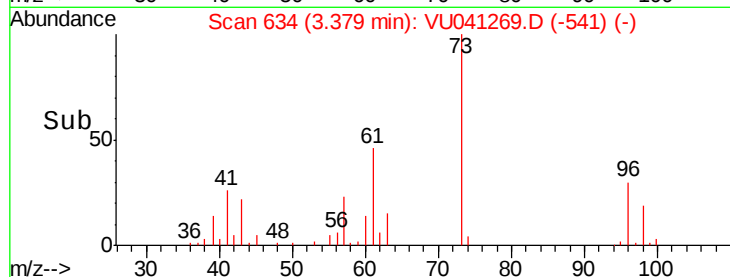
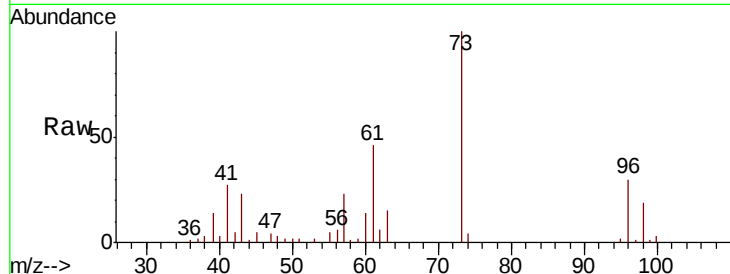




#17
Methvl tert-butvl Ether
Concen: 4.451 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

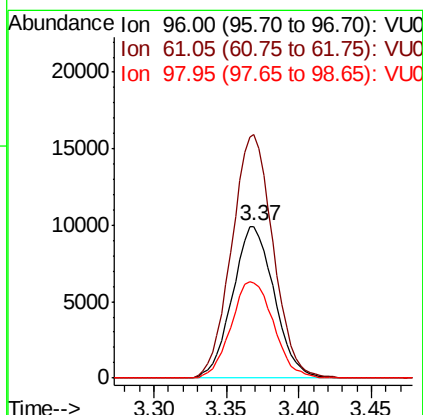
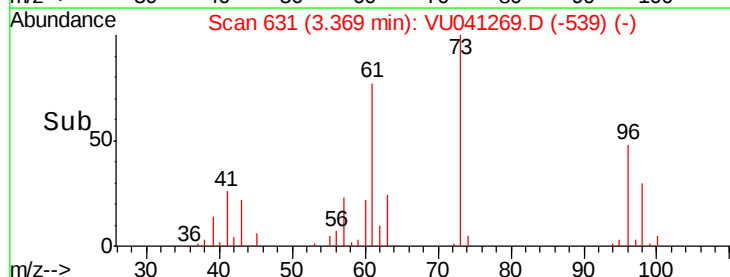
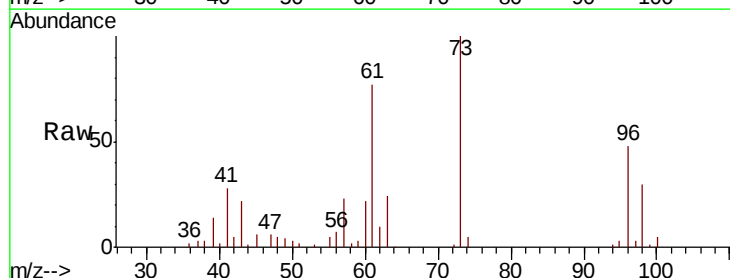
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

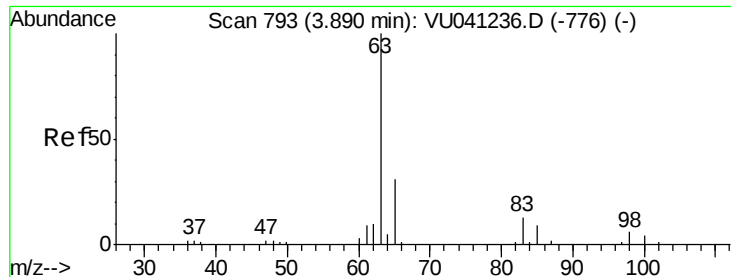
Tot Ion: 73 Resp: 58906
Ion Ratio Lower Upper
73 100
43 23.2 18.5 27.7
57 22.5 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.220 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

Tgt Ion: 96 Resp: 19869
Ion Ratio Lower Upper
96 100
61 160.3 110.9 205.9
98 62.9 45.4 84.2

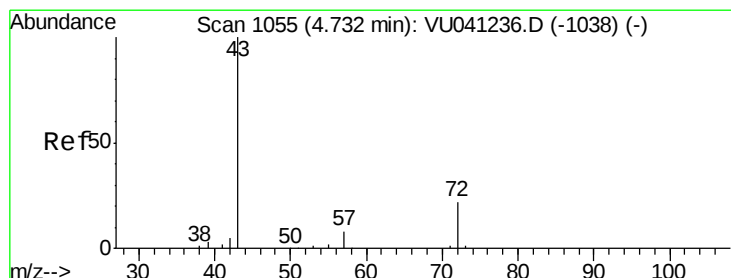
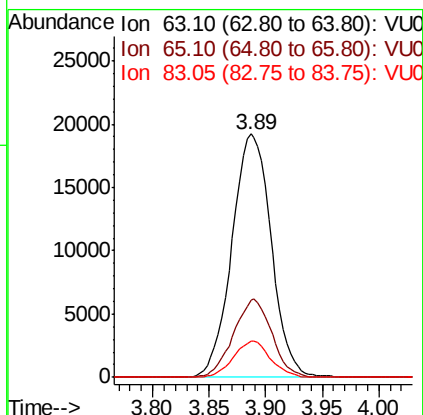
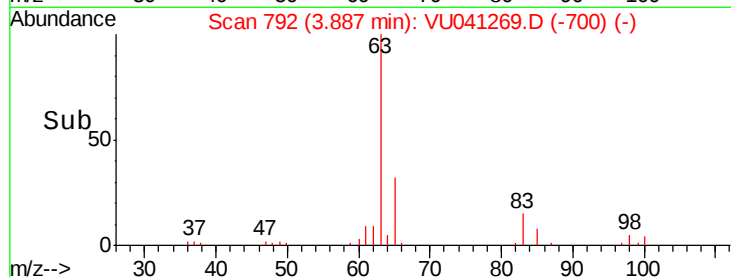
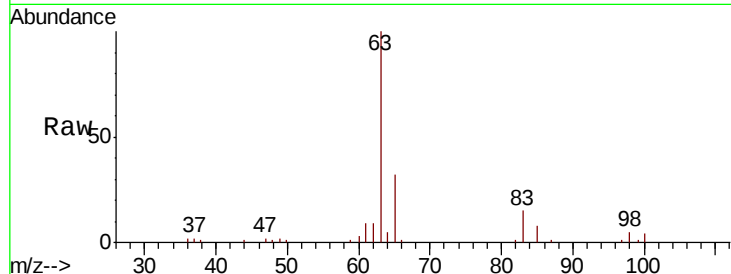




#19
 1,1-Dichloroethane
 Concen: 4.419 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041269.D
 Acq: 17 Nov 2020 10:03

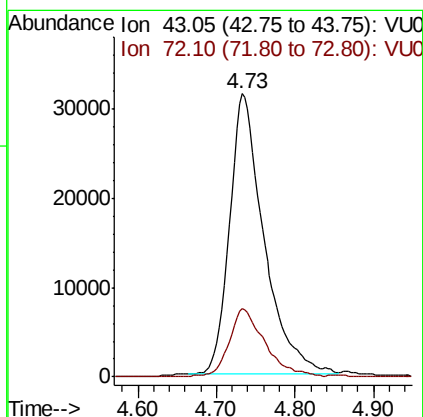
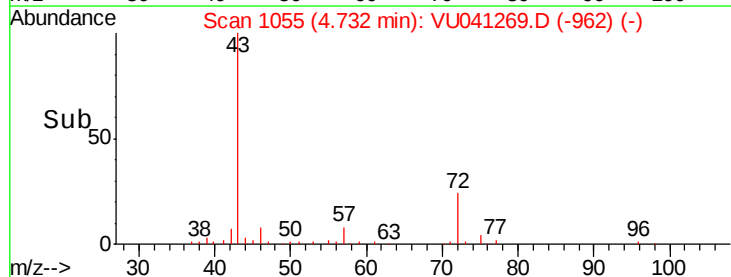
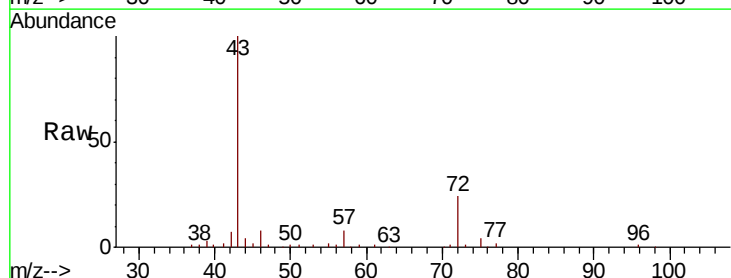
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

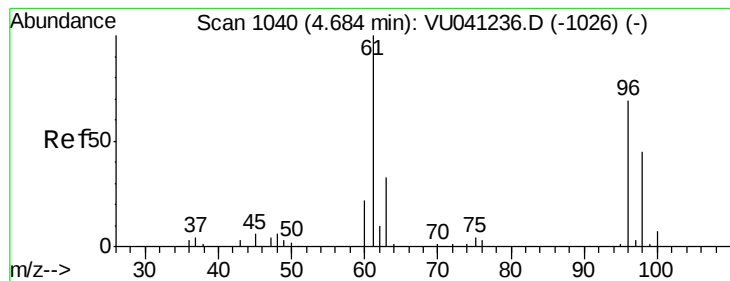
Tot Ion: 63 Resp: 46521
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.3 39.6
 83 14.7 8.8 16.3



#21
 2-Butanone
 Concen: 42.293 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VU041269.D
 Acq: 17 Nov 2020 10:03

Tgt Ion: 43 Resp: 95946
 Ion Ratio Lower Upper
 43 100
 72 25.2 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 4.615 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041269.D

Acq: 17 Nov 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

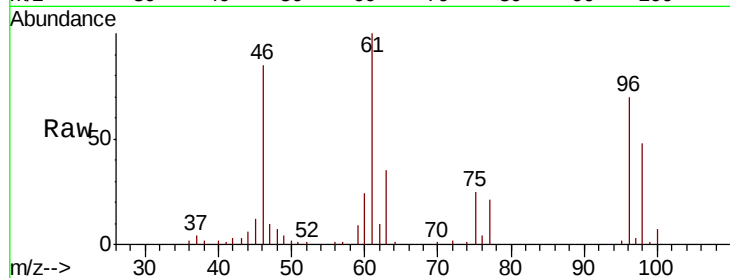
Tot Ion: 96 Resp: 24542

Ion Ratio Lower Upper

96 100

61 142.8 97.2 180.4

68 0.0 0.0 0.0

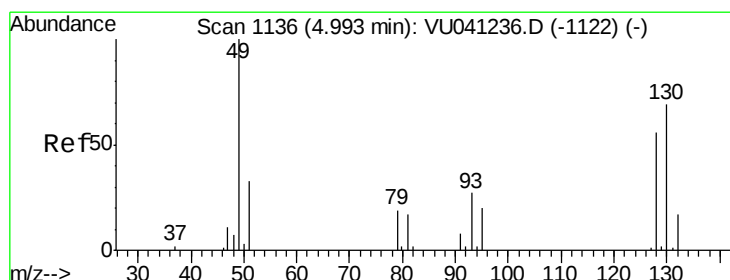
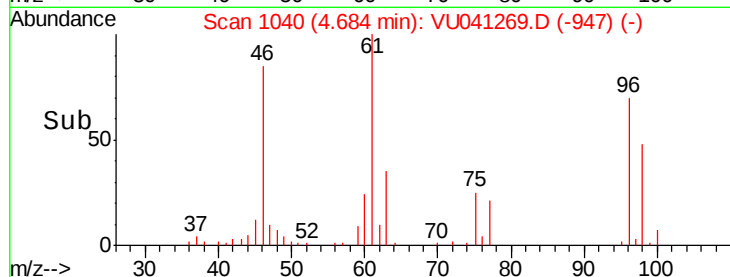
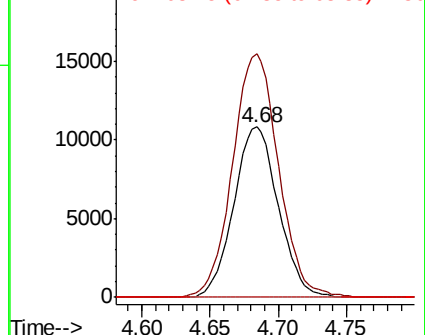


Abundance

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: 4.779 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041269.D

Acq: 17 Nov 2020 10:03

Tgt Ion: 128 Resp: 12600

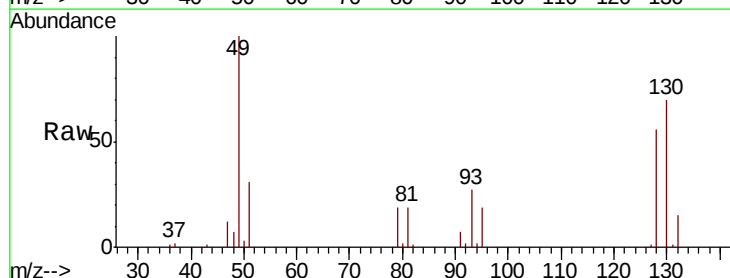
Ion Ratio Lower Upper

128 100

49 177.8 135.0 250.8

130 124.9 89.9 167.0

51 54.2 51.9 77.9



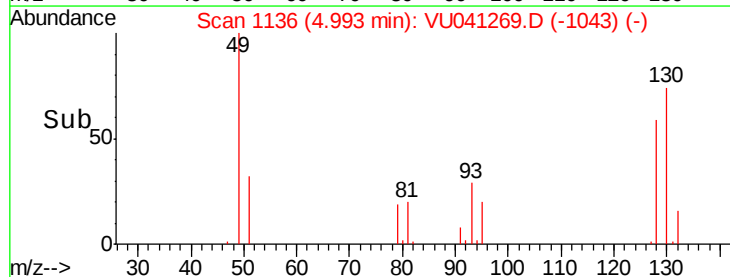
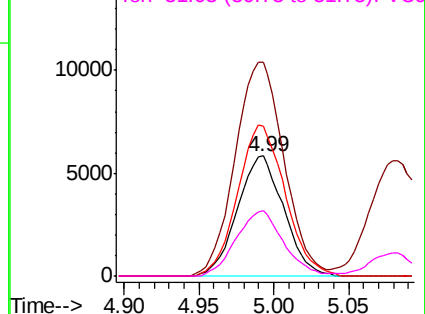
Abundance

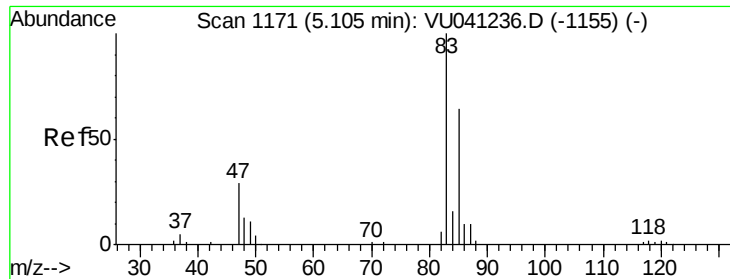
Ion 127.90 (127.60 to 128.60): V

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

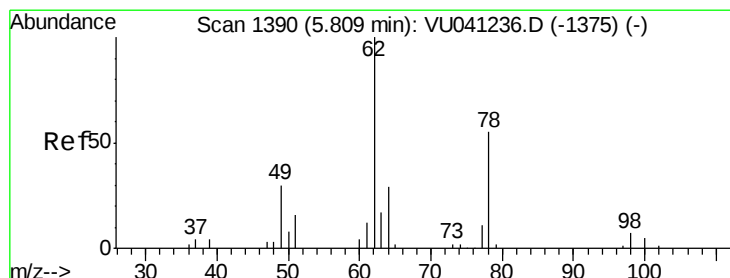
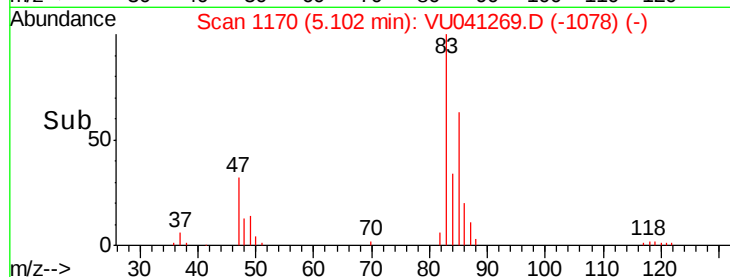
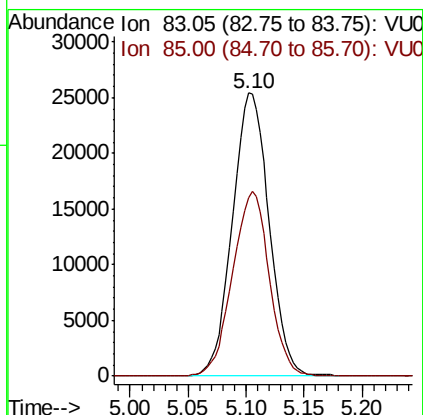
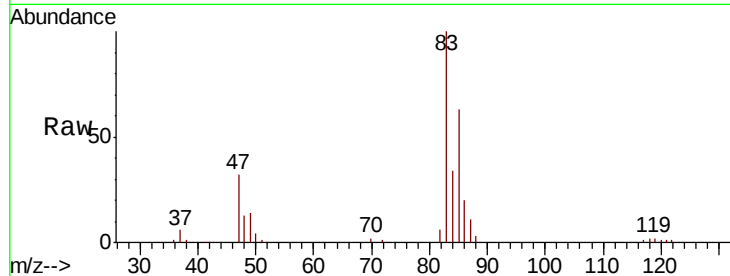




#25
Chloroform
Concen: 4.890 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

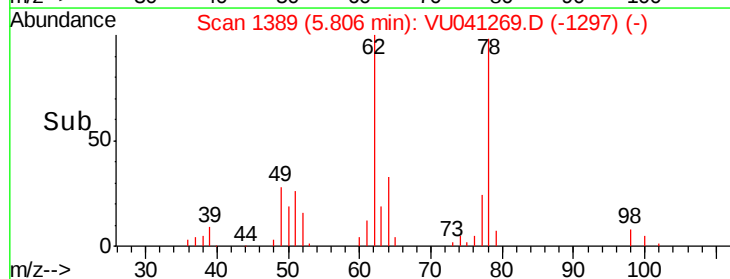
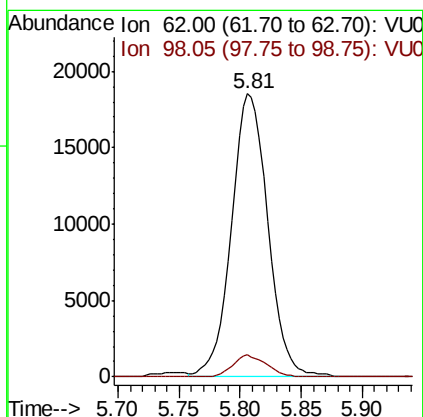
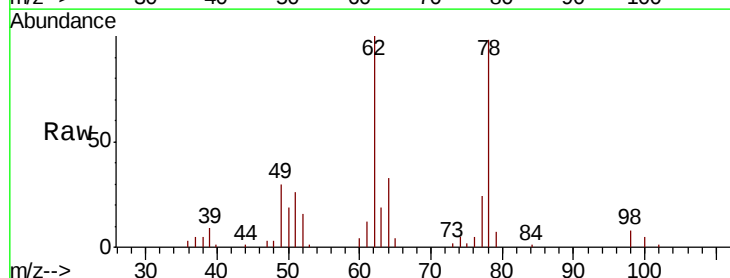
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

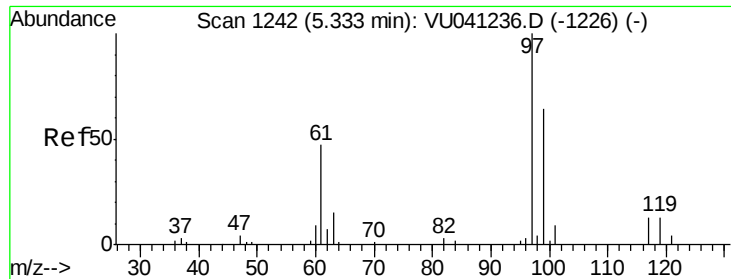
Tot Ion: 83 Resp: 55829
Ion Ratio Lower Upper
83 100
85 63.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 4.673 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

Tgt Ion: 62 Resp: 38354
Ion Ratio Lower Upper
62 100
98 7.7 7.6 11.4

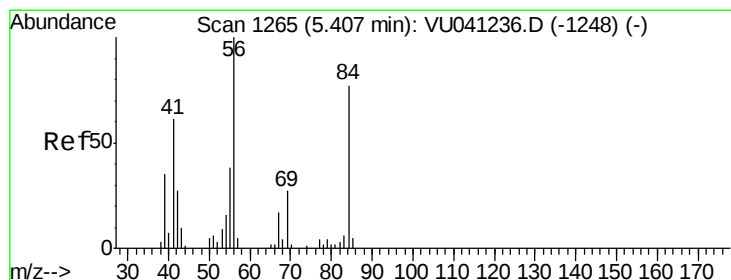
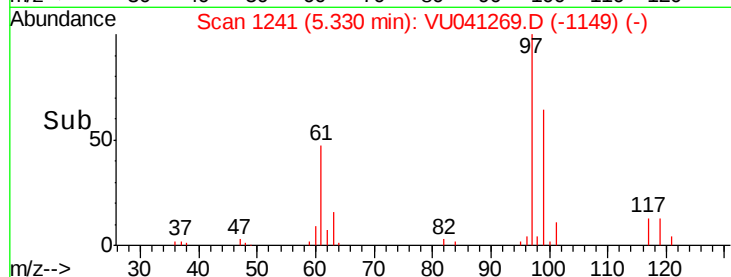
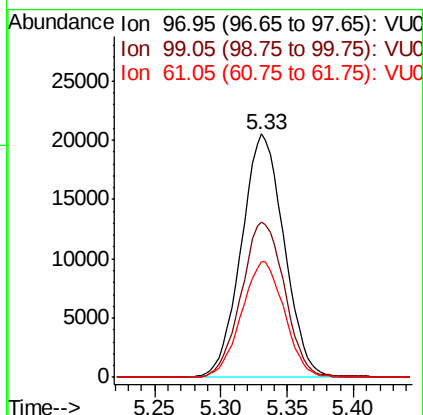
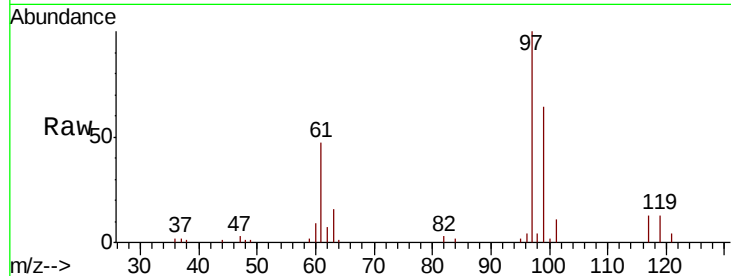




#29
 1,1,1-Trichloroethane
 Concen: 4.973 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041269.D
 Acq: 17 Nov 2020 10:03

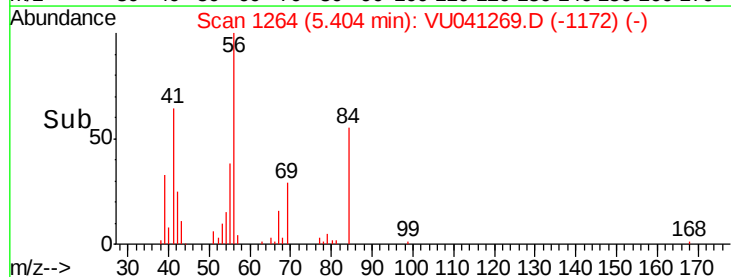
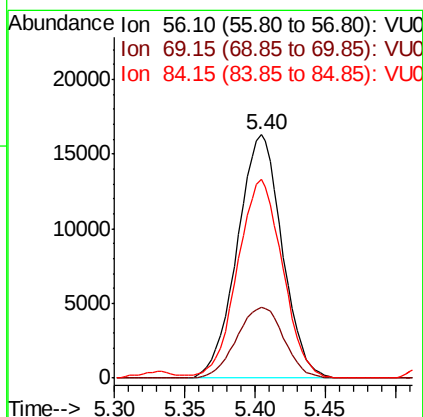
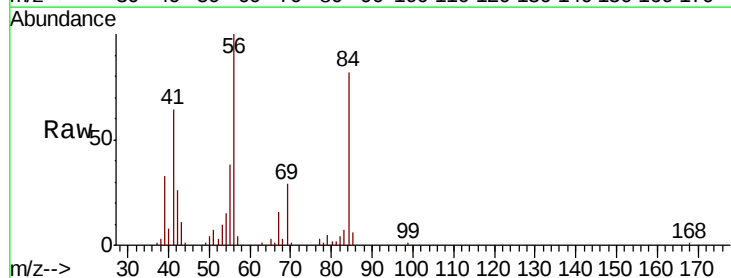
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

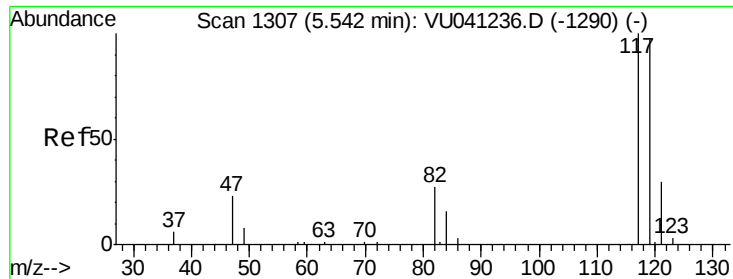
Tot Ion: 97 Resp: 46112
 Ion Ratio Lower Upper
 97 100
 99 64.5 53.4 80.0
 61 47.5 41.6 62.4



#30
 Cyclohexane
 Concen: 4.717 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU041269.D
 Acq: 17 Nov 2020 10:03

Tgt Ion: 56 Resp: 36137
 Ion Ratio Lower Upper
 56 100
 69 30.6 22.8 34.2
 84 82.4 63.6 95.4





#31

Carbon tetrachloride

Concen: 4.896 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041269.D

Acq: 17 Nov 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

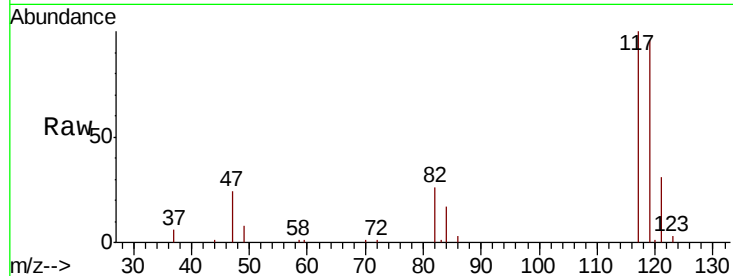
VSTD00524

Tot Ion:117 Resp: 39366

Ion Ratio Lower Upper

117 100

119 96.2 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

20000

15000

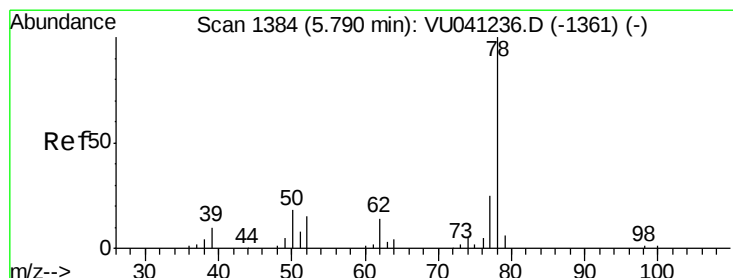
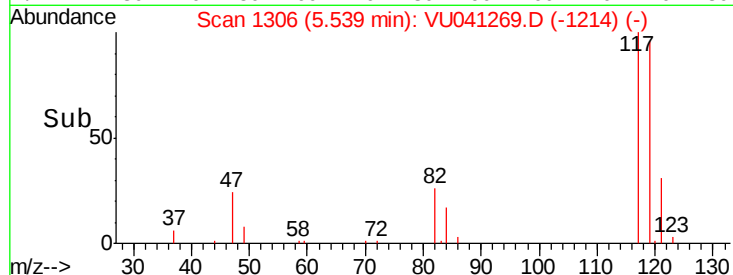
10000

5000

0

Time-->

5.45 5.50 5.55 5.60



#33

Benzene

Concen: 4.842 ug/L

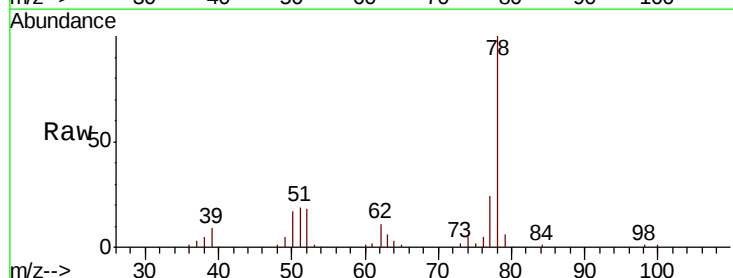
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU041269.D

Acq: 17 Nov 2020 10:03

Tgt Ion: 78 Resp: 99535



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

50000

40000

30000

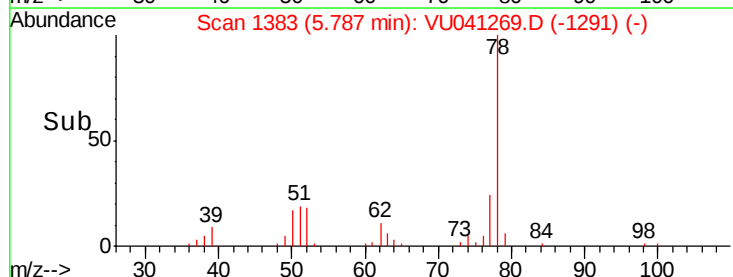
20000

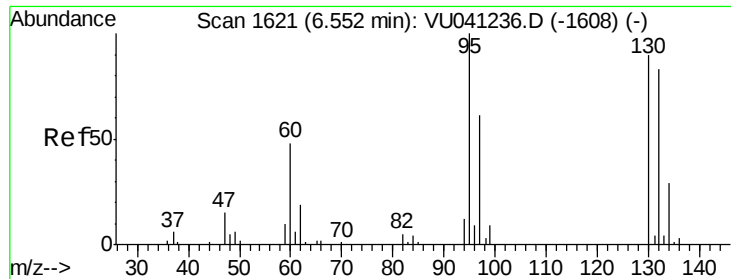
10000

0

Time-->

5.70 5.80 5.90

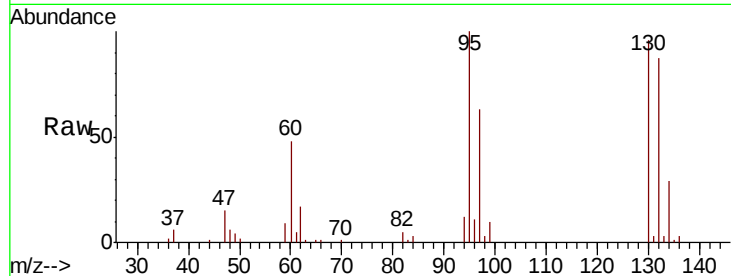




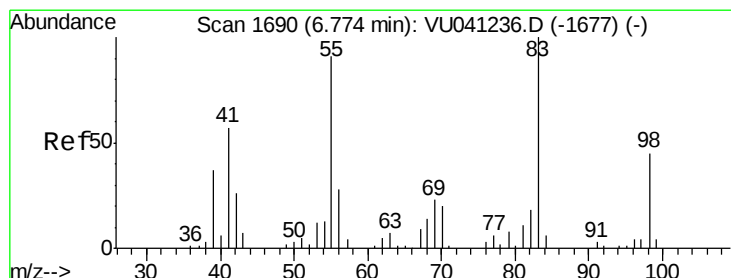
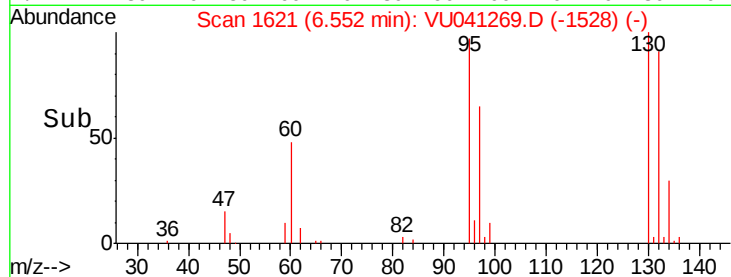
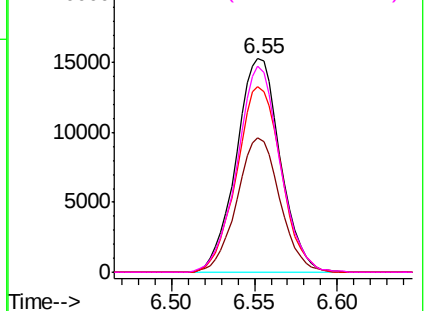
#34
 Trichloroethene
 Concen: 5.104 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041269.D
 Acq: 17 Nov 2020 10:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion: 95 Resp: 28356
 Ion Ratio Lower Upper
 95 100
 97 62.9 45.6 84.6
 132 87.2 64.8 120.4
 130 96.3 64.8 120.4

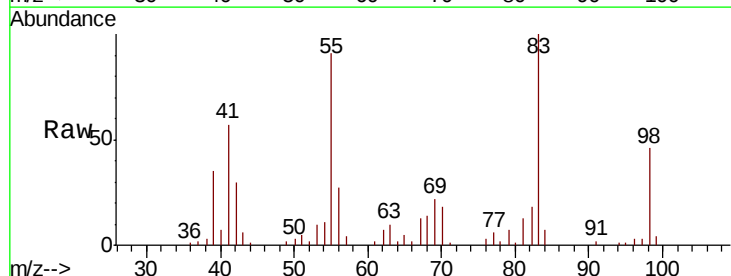


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

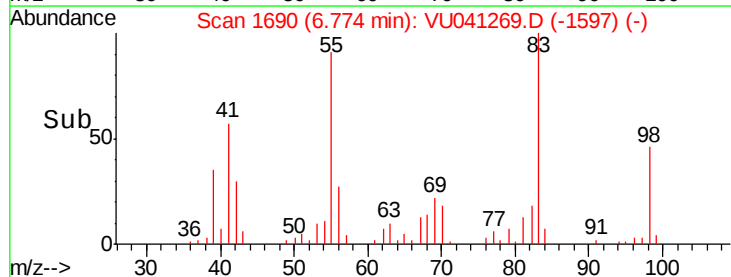
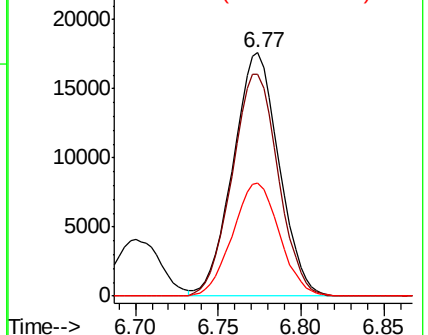


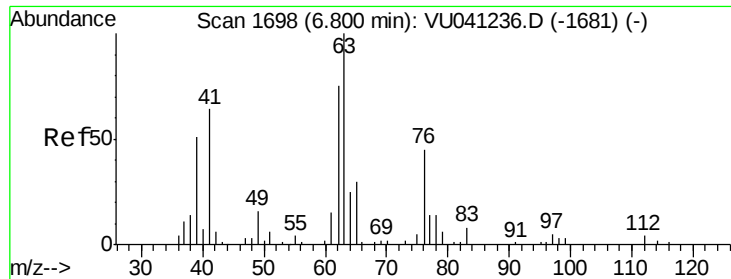
#35
 Methylcyclohexane
 Concen: 4.593 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041269.D
 Acq: 17 Nov 2020 10:03

Tgt Ion: 83 Resp: 33902
 Ion Ratio Lower Upper
 83 100
 55 91.5 72.0 108.0
 98 47.4 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

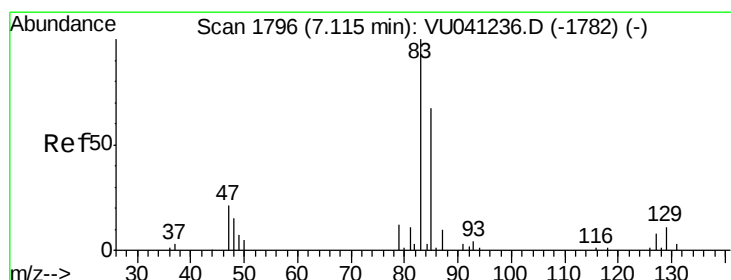
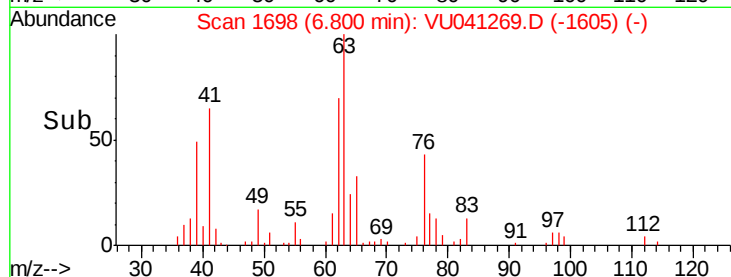
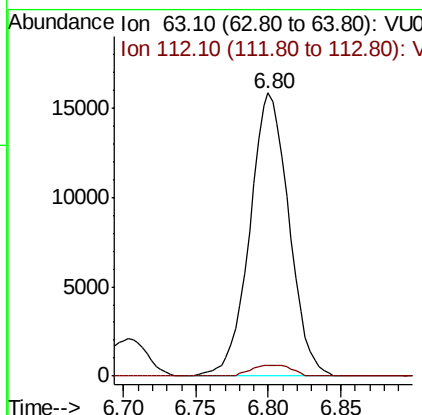
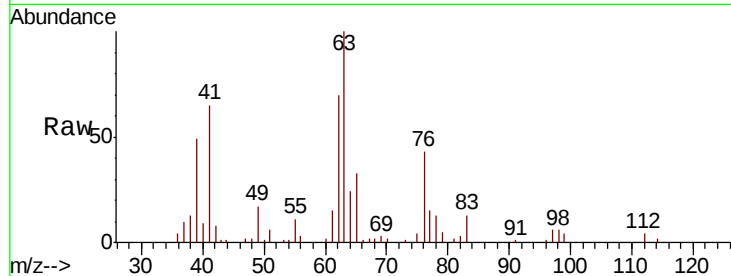




#37
 1,2-Dichloropropane
 Concen: 4.957 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU041269.D
 Acq: 17 Nov 2020 10:03

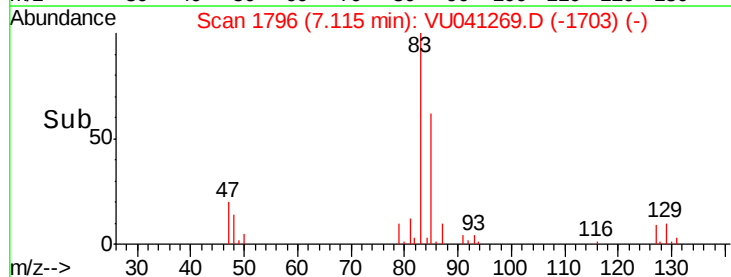
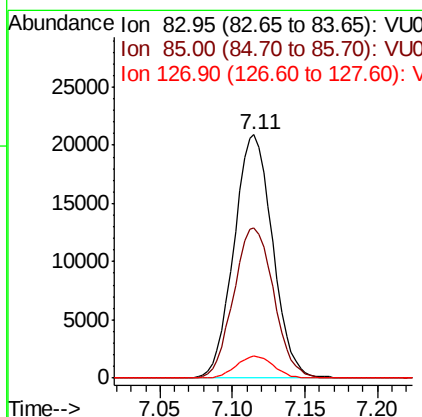
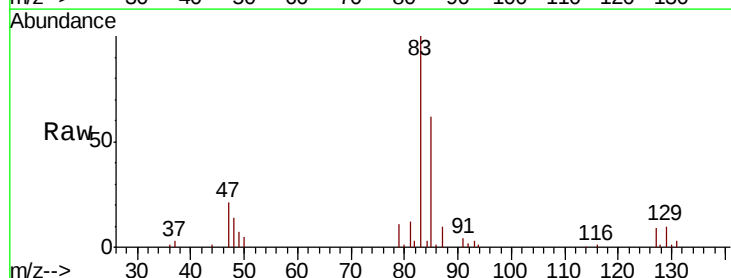
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

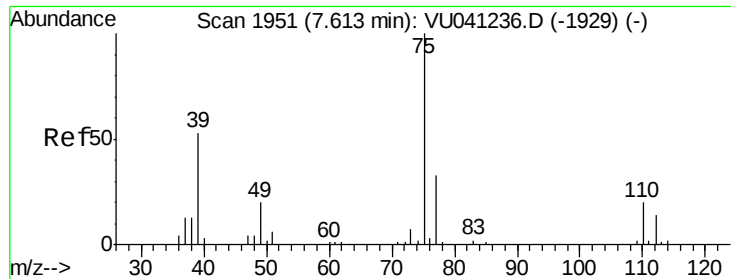
Tot Ion: 63 Resp: 29785
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.931 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041269.D
 Acq: 17 Nov 2020 10:03

Tgt Ion: 83 Resp: 38732
 Ion Ratio Lower Upper
 83 100
 85 61.9 43.3 80.3
 127 9.0 5.9 8.9#

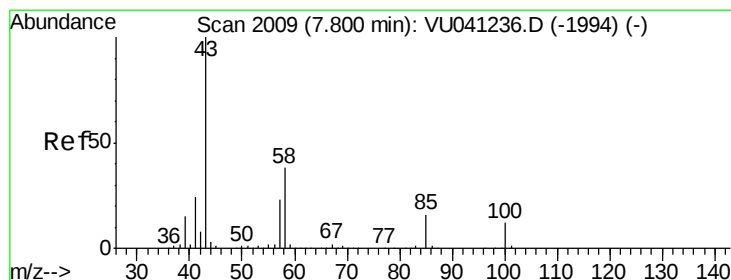
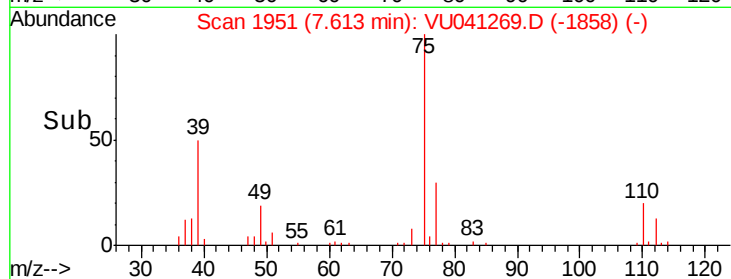
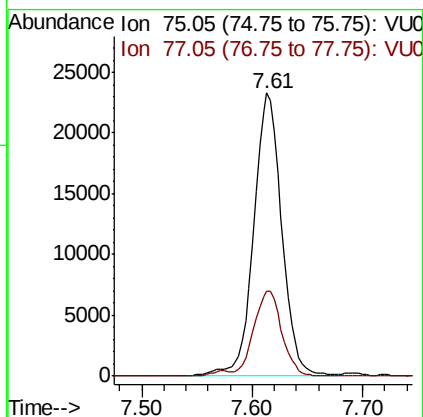
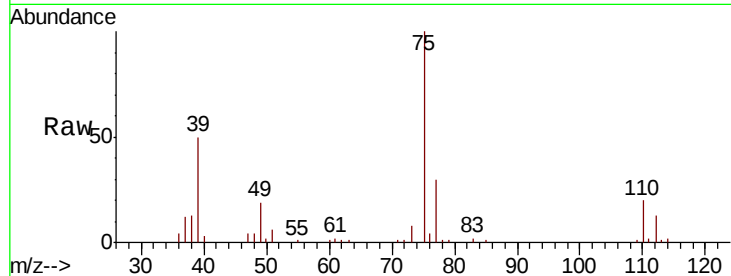




#39
 cis-1,3-Dichloropropene
 Concen: 4.903 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041269.D
 Acq: 17 Nov 2020 10:03

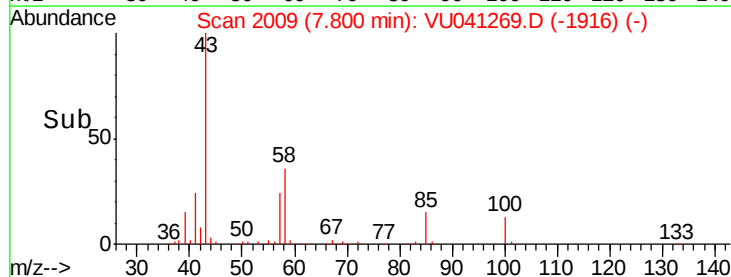
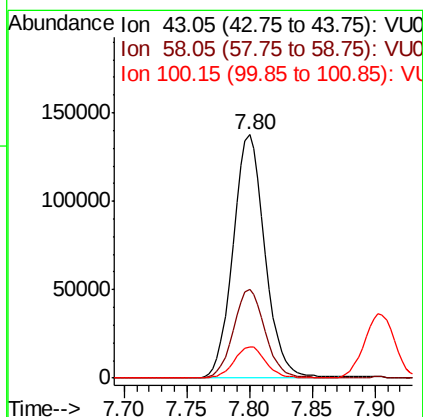
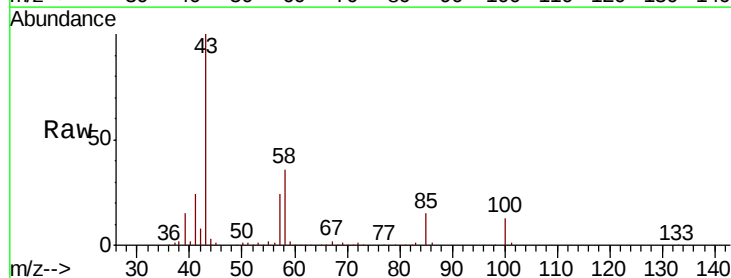
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

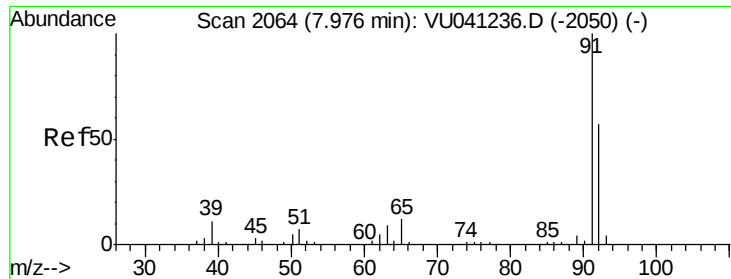
Tot Ion: 75 Resp: 41096
 Ion Ratio Lower Upper
 75 100
 77 30.2 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 48.928 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041269.D
 Acq: 17 Nov 2020 10:03

Tgt Ion: 43 Resp: 243306
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.8 44.6
 100 12.8 10.5 15.7





#42

Toluene

Concen: 5.150 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041269.D

Acq: 17 Nov 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

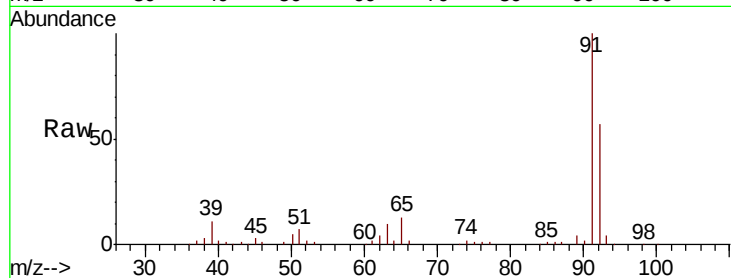
VSTD00524

Tot Ion: 91 Resp: 113145

Ion Ratio Lower Upper

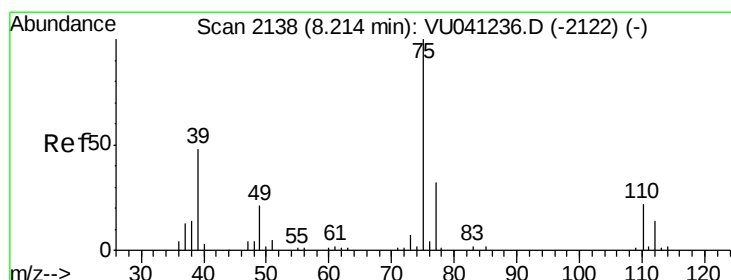
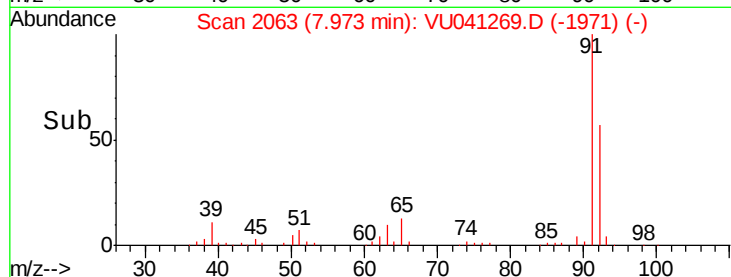
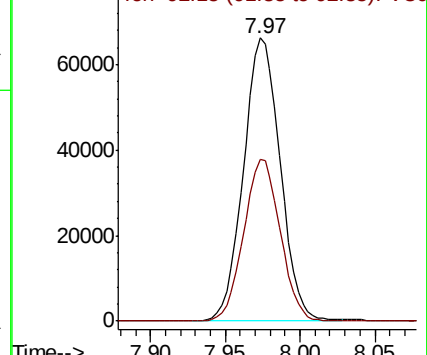
91 100

92 57.1 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.814 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041269.D

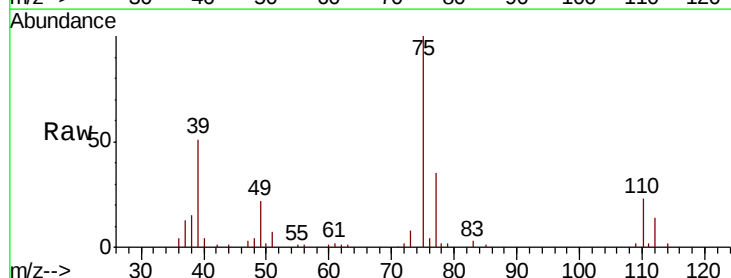
Acq: 17 Nov 2020 10:03

Tgt Ion: 75 Resp: 38165

Ion Ratio Lower Upper

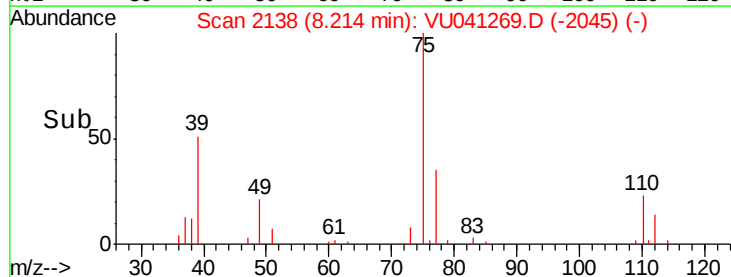
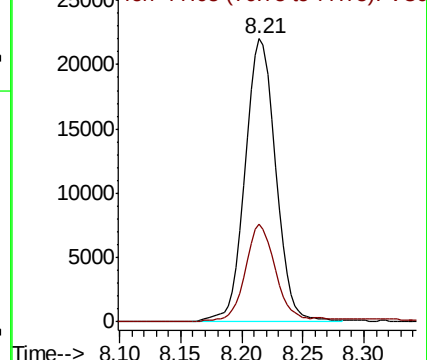
75 100

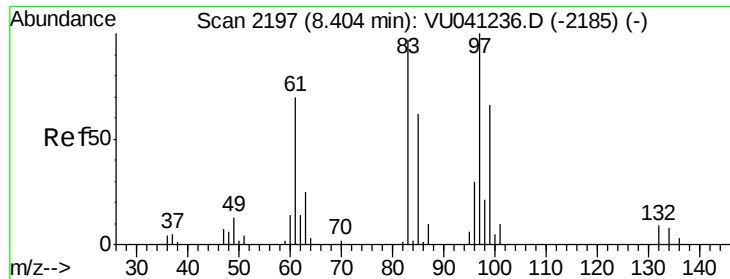
77 34.6 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

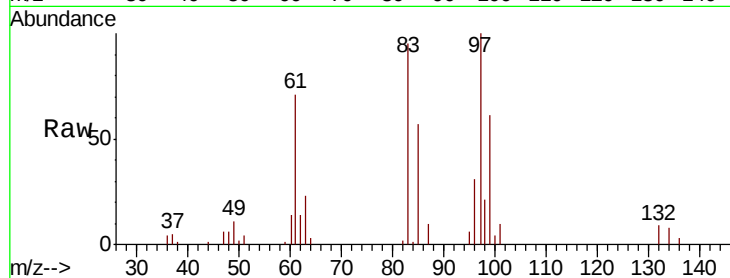




#45
1,1,2-Trichloroethane
Concen: 4.904 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion:	97	Resp:	22789
Ion	Ratio	Lower	Upper
97	100		
99	61.1	45.8	85.2
83	94.6	67.9	126.1
85	57.5	42.8	79.6



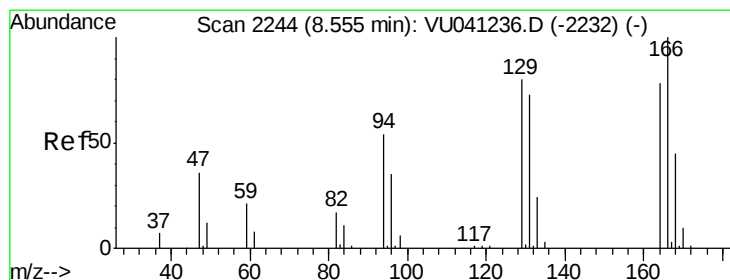
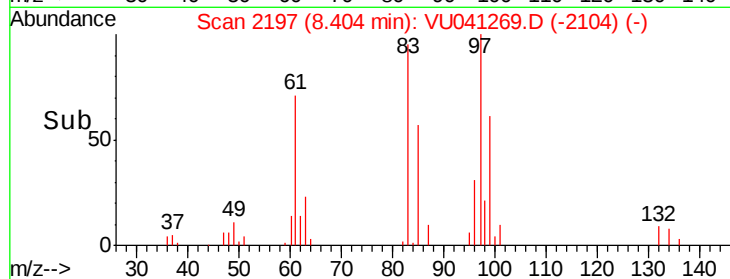
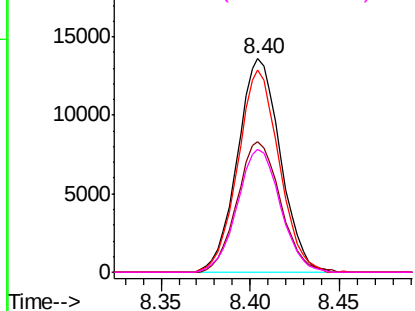
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

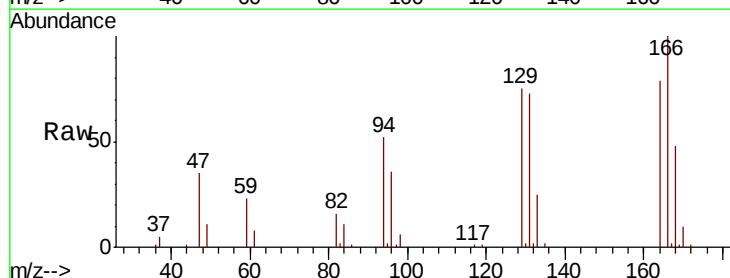
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
Tetrachloroethene
Concen: 4.858 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

Tgt Ion:	164	Resp:	19944
Ion	Ratio	Lower	Upper
164	100		
129	95.3	70.3	130.7
131	92.4	70.8	131.4
166	127.4	92.0	170.8



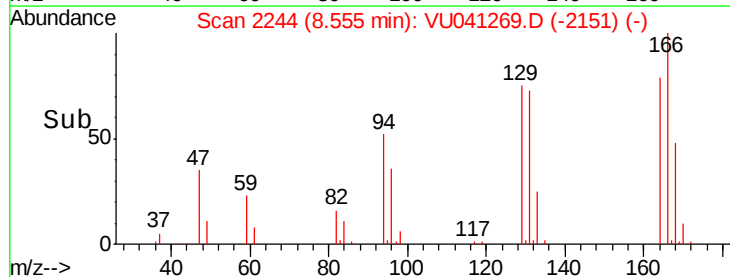
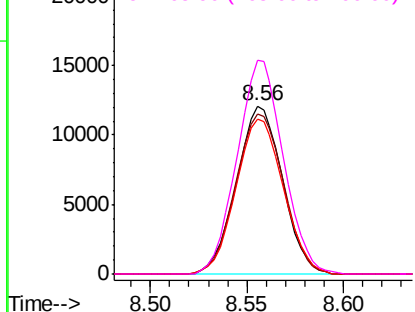
Abundance

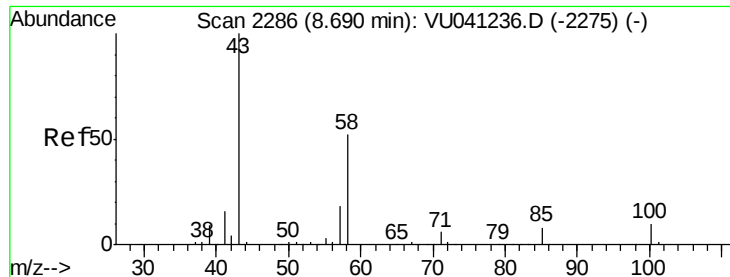
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

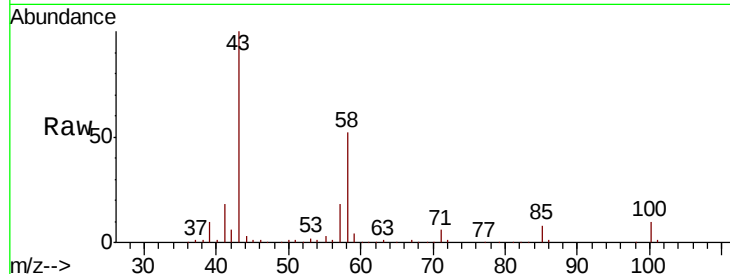




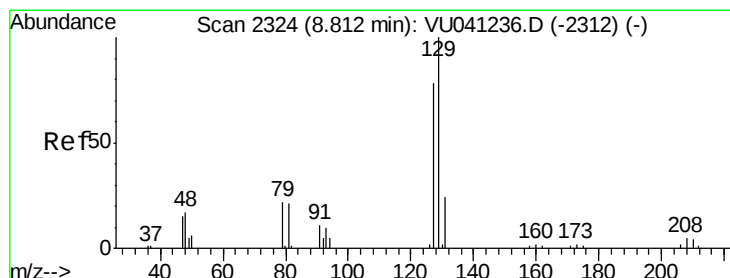
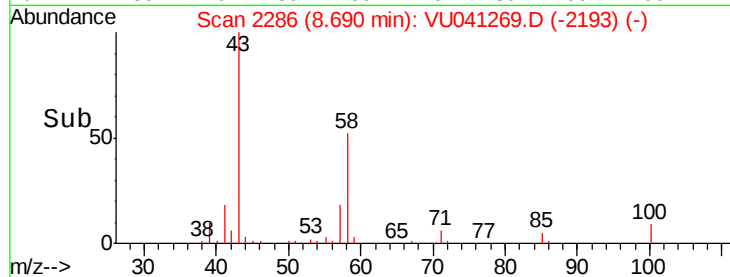
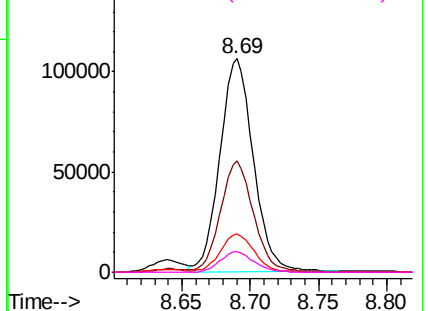
#48
2-Hexanone
Concen: 48.778 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion: 43 Resp: 181069
Ion Ratio Lower Upper
43 100
58 51.3 41.4 62.2
57 18.2 14.6 21.8
100 9.6 8.3 12.5

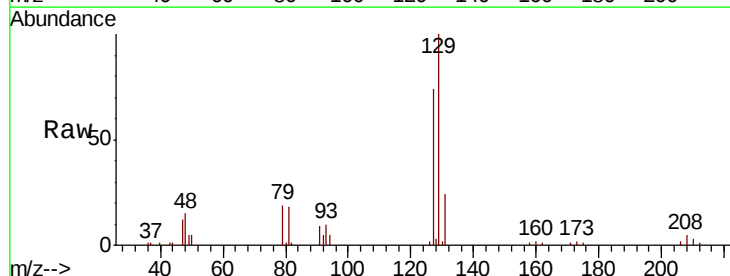


Abundance Ion 43.05 (42.75 to 43.75): VU041236.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU041236.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU041236.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU041236.D (-2275) (-)

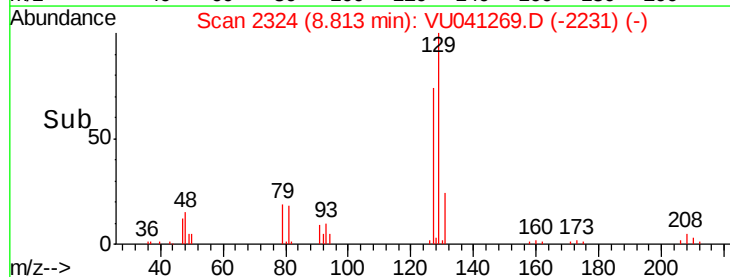
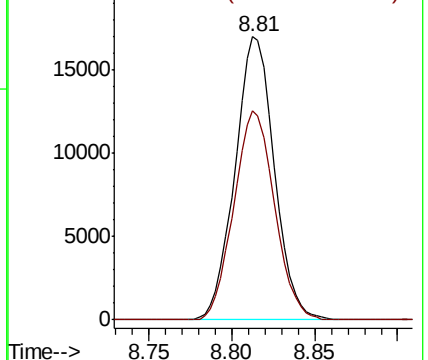


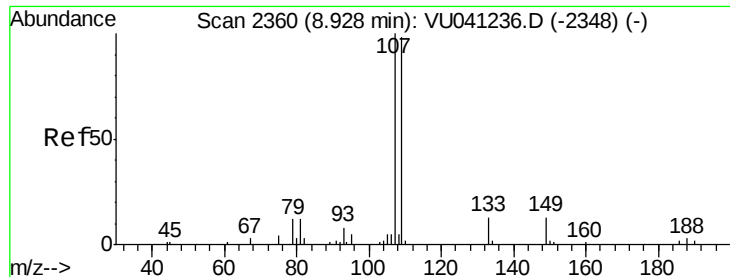
#49
Dibromochloromethane
Concen: 5.100 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

Tgt Ion: 129 Resp: 28086
Ion Ratio Lower Upper
129 100
127 73.9 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041236.D (-2312) (-)
Ion 126.90 (126.60 to 127.60): VU041236.D (-2312) (-)

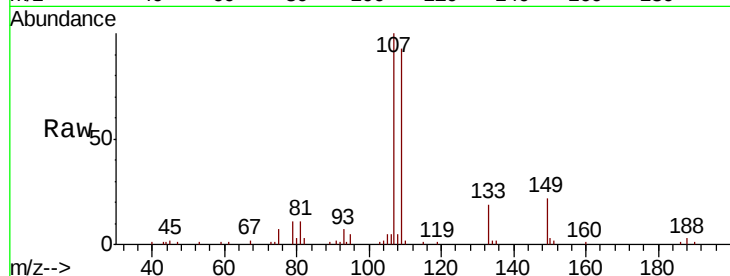




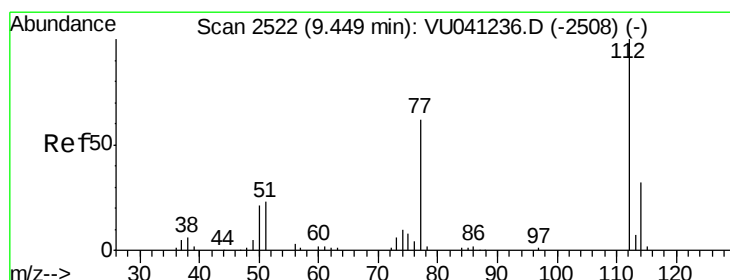
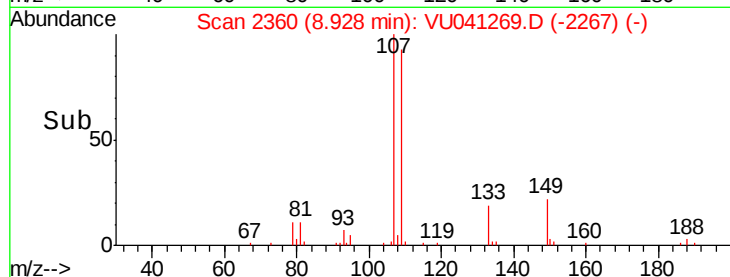
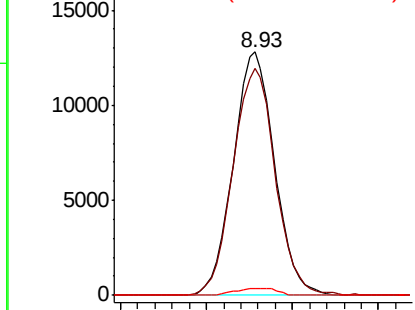
#50
1,2-Dibromoethane
Concen: 4.937 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	65.6	121.8
188	2.8	2.9	4.3#

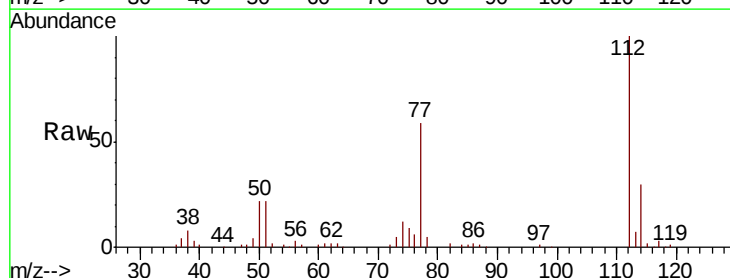


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

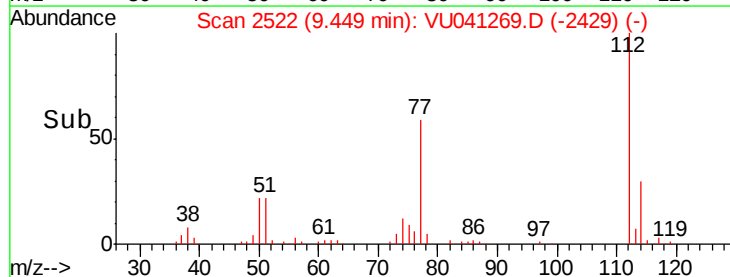
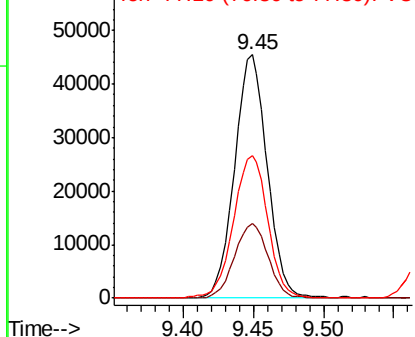


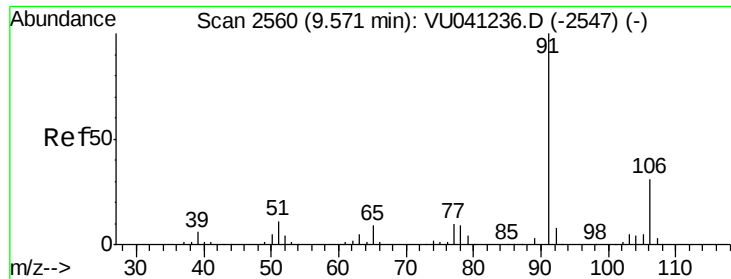
#51
Chlorobenzene
Concen: 5.068 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.4	22.4	41.6
77	58.6	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): VU

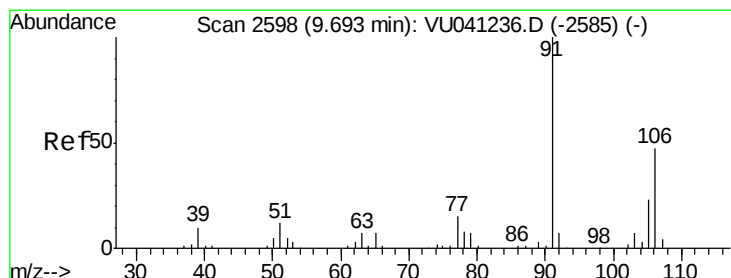
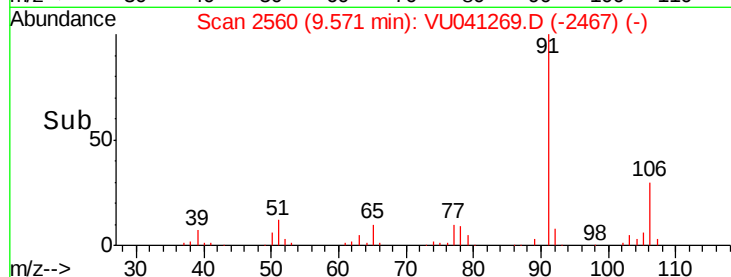
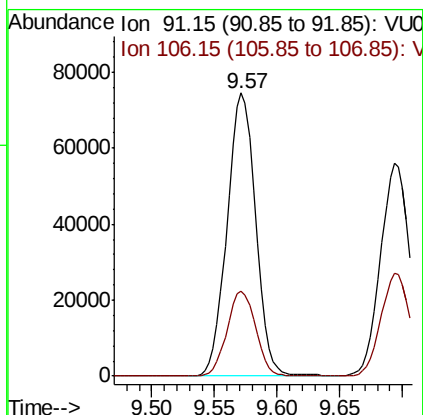
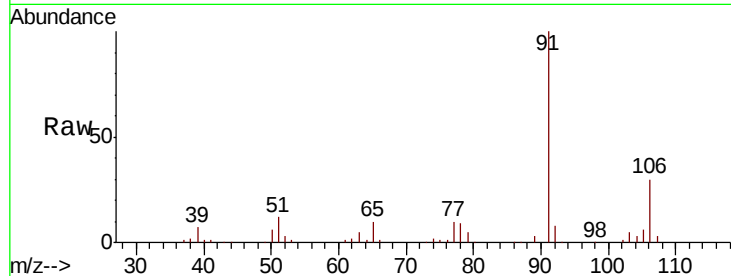




#52
Ethylbenzene
Concen: 5.022 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

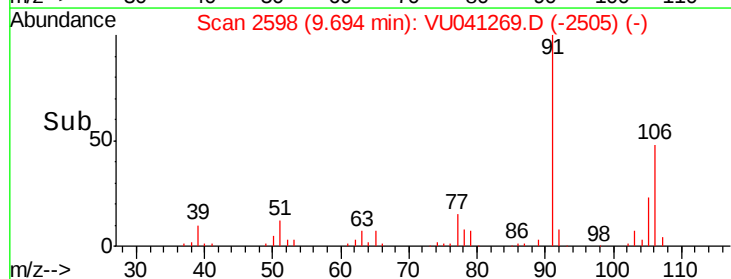
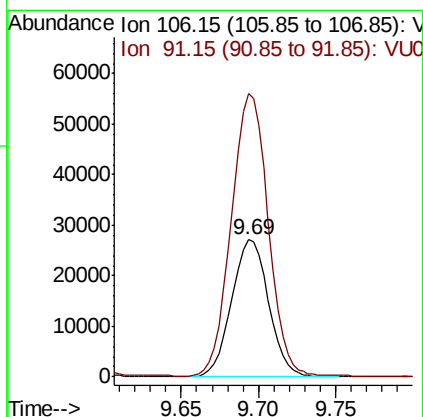
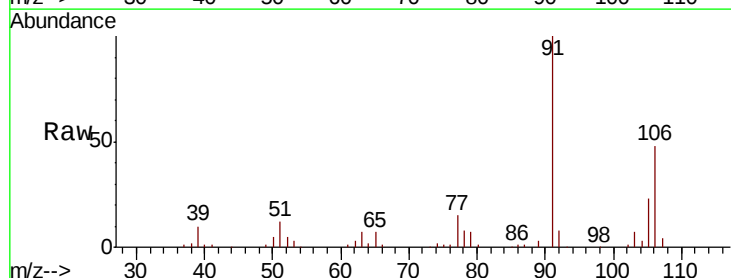
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

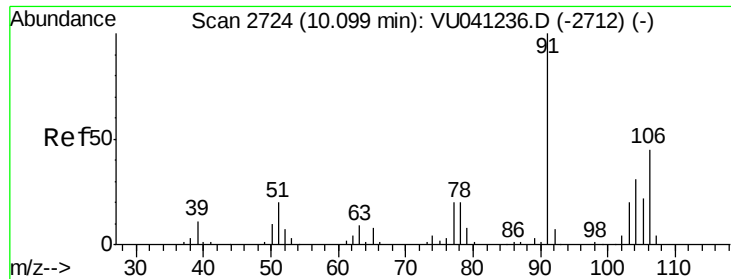
Tot Ion: 91 Resp: 117822
Ion Ratio Lower Upper
91 100
106 30.2 21.0 39.0



#53
m,p-Xylene
Concen: 5.317 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

Tgt Ion: 106 Resp: 45087
Ion Ratio Lower Upper
106 100
91 206.6 150.9 280.3

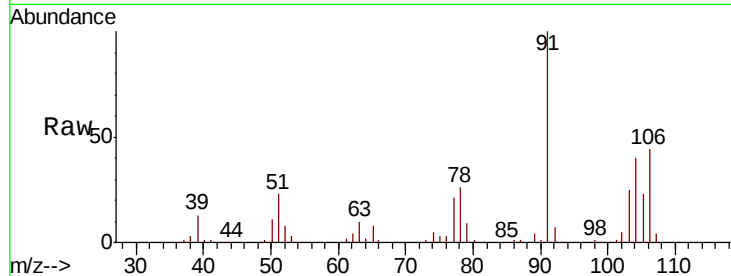




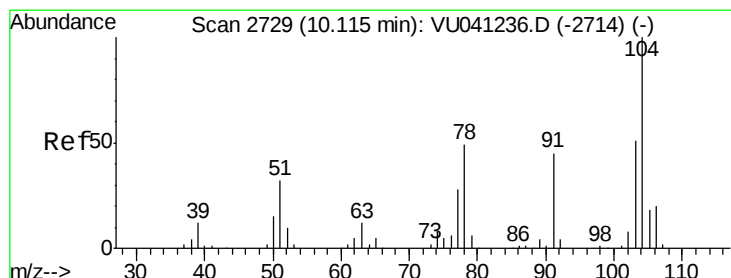
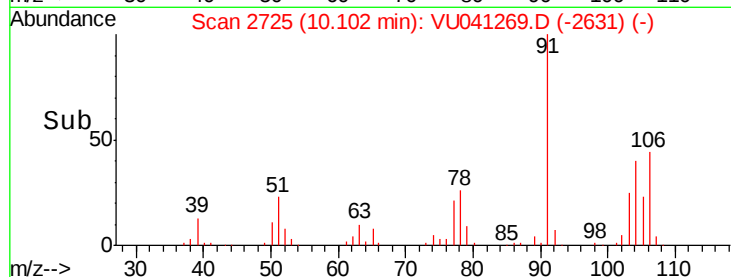
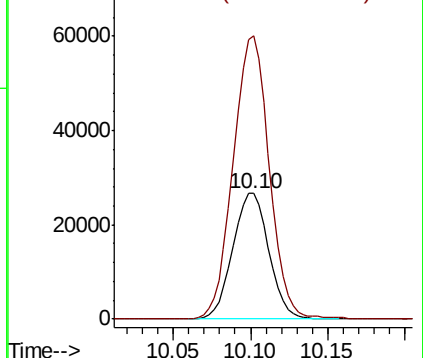
#54
o-Xylene
Concen: 5.285 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion:106 Resp: 43167
Ion Ratio Lower Upper
106 100
91 225.1 154.3 286.5

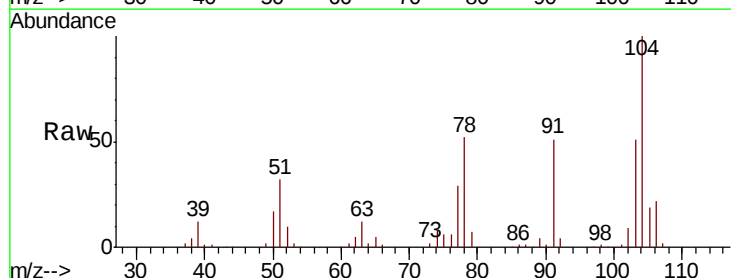


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

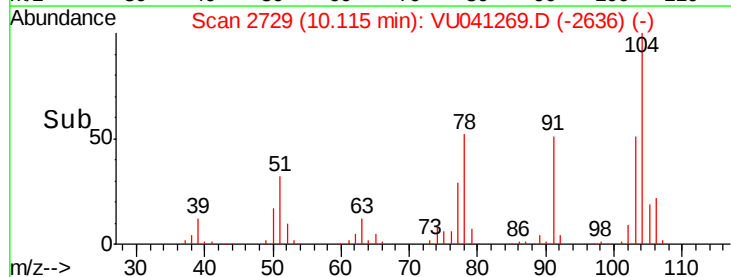
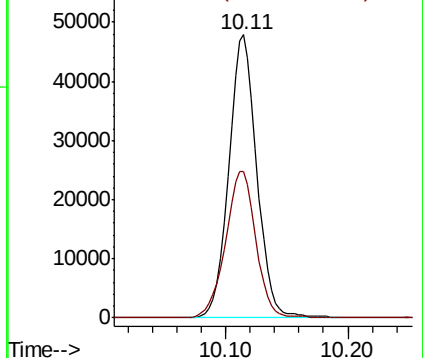


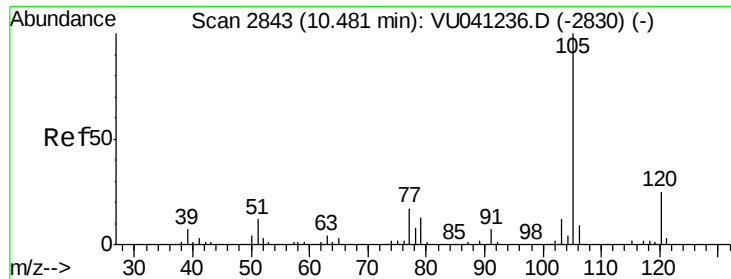
#55
Styrene
Concen: 5.281 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041269.D
Acq: 17 Nov 2020 10:03

Tgt Ion:104 Resp: 76373
Ion Ratio Lower Upper
104 100
78 51.6 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: 5.472 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041269.D

Acq: 17 Nov 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

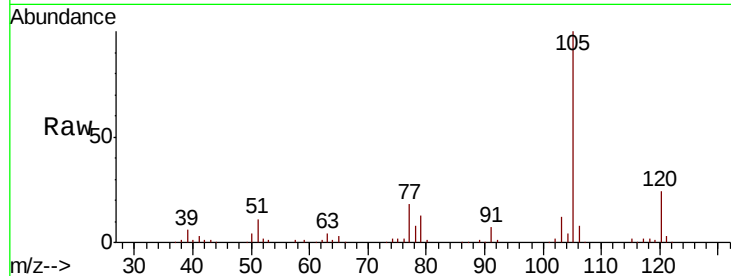
Tot Ion:105 Resp: 118387

Ion Ratio Lower Upper

105 100

120 24.2 20.7 31.1

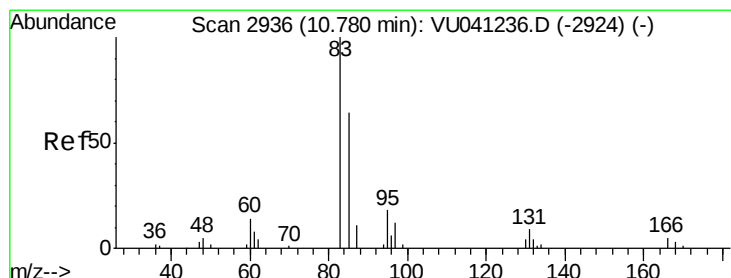
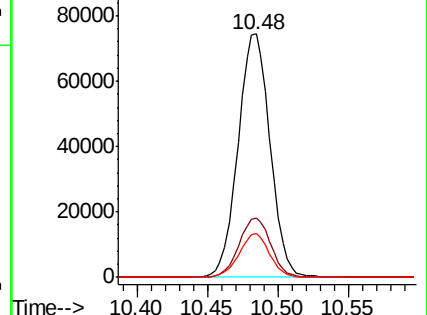
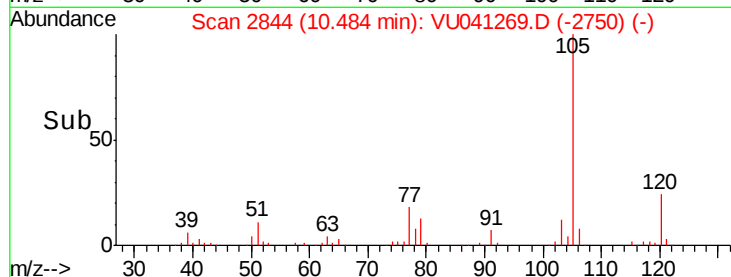
77 17.2 13.8 20.6



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: 5.001 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041269.D

Acq: 17 Nov 2020 10:03

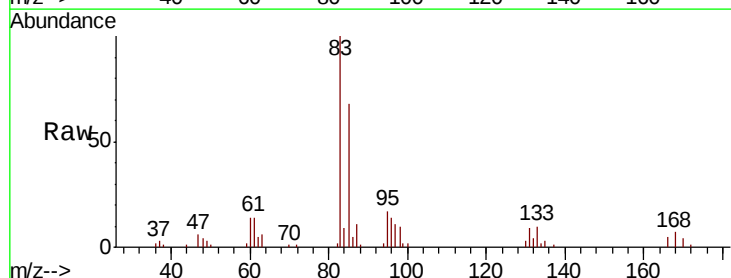
Tgt Ion: 83 Resp: 30380

Ion Ratio Lower Upper

83 100

85 67.5 44.4 82.4

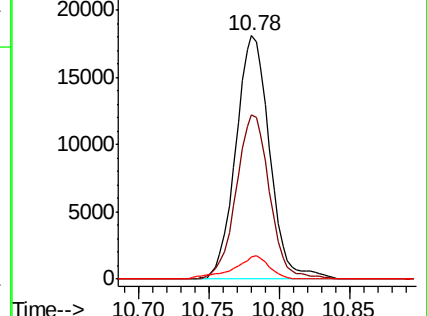
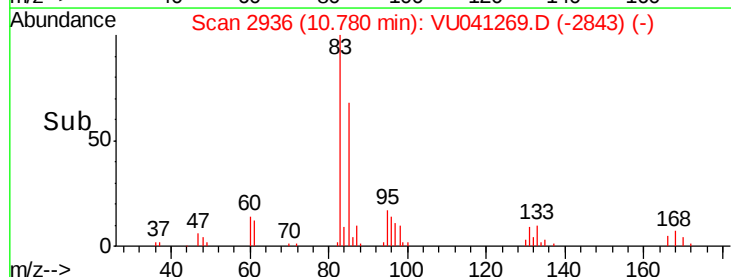
131 8.9 7.7 11.5

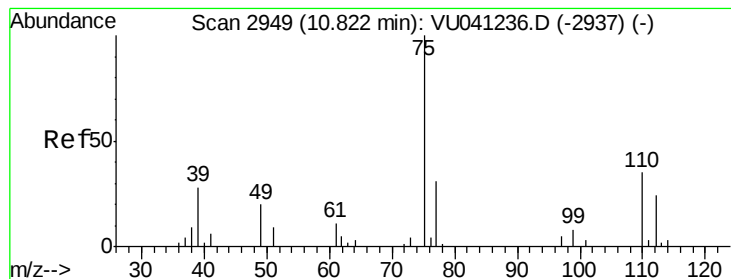


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

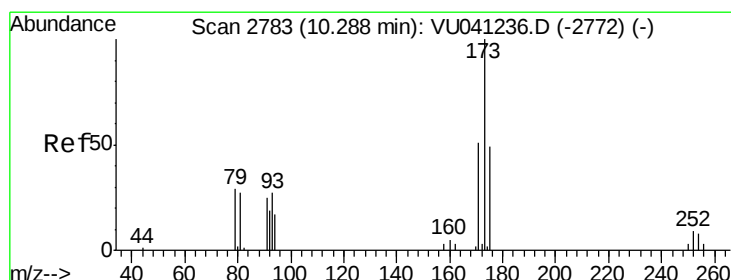
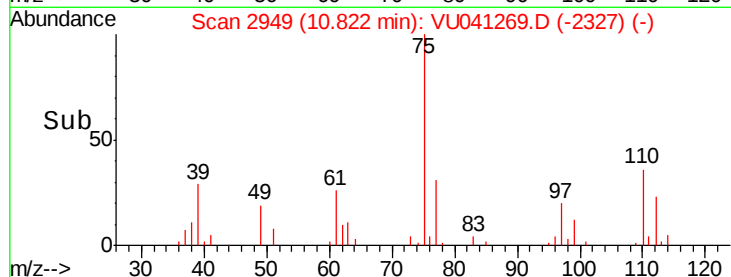
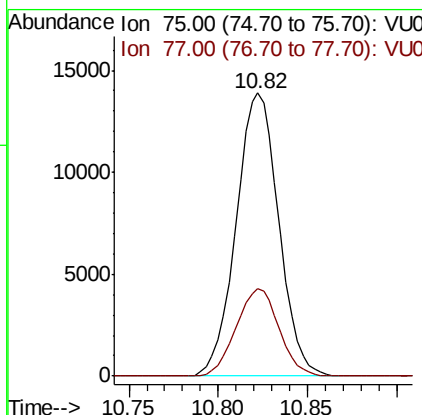
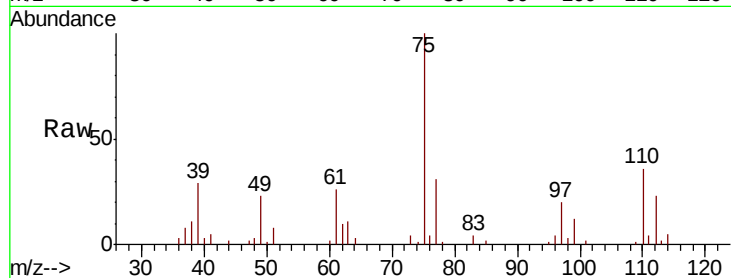




#59
 1,2,3-Trichloropropane
 Concen: 4.876 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU041269.D
 Acq: 17 Nov 2020 10:03

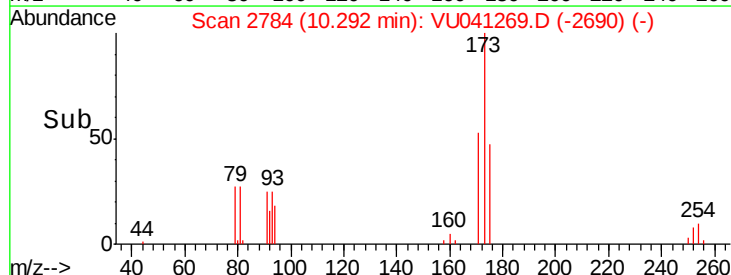
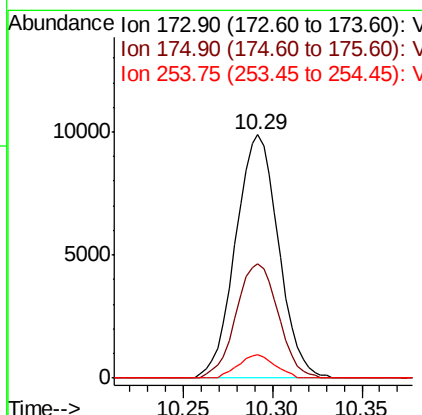
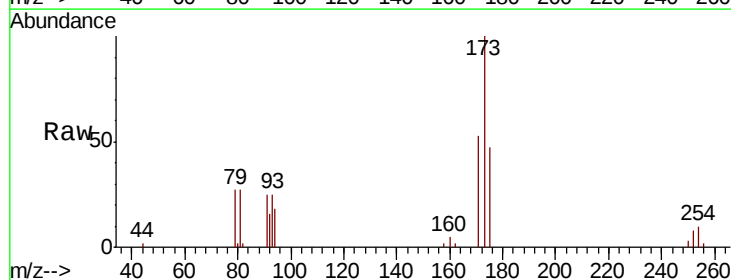
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

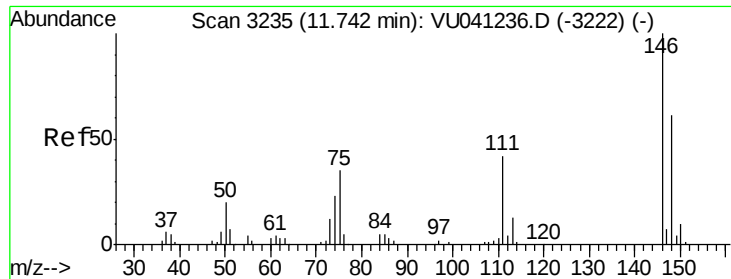
Tot Ion: 75 Resp: 23105
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.7 38.5



#61
 Bromoform
 Concen: 4.673 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041269.D
 Acq: 17 Nov 2020 10:03

Tgt Ion: 173 Resp: 16635
 Ion Ratio Lower Upper
 173 100
 175 46.2 37.6 56.4
 254 8.2 6.6 9.8

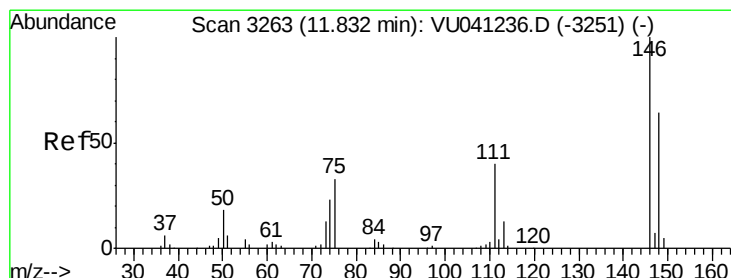
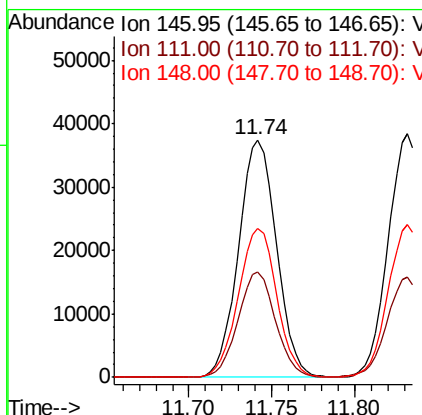
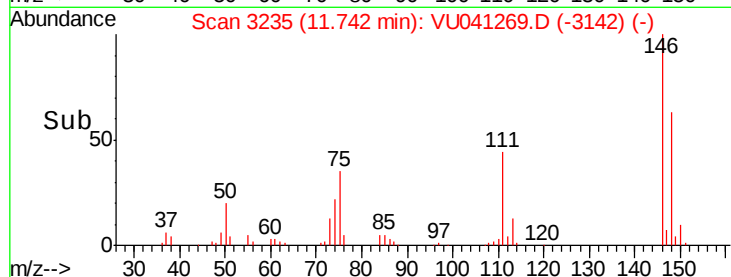
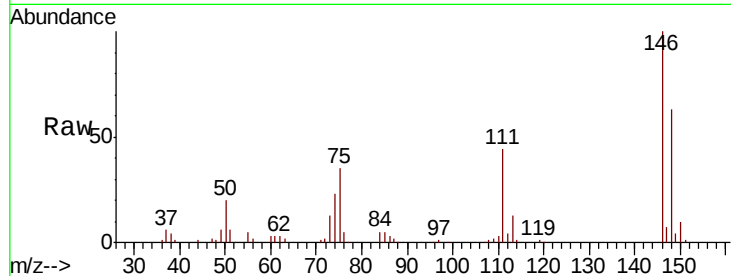




#62
 1,3-Dichlorobenzene
 Concen: 5.108 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041269.D
 Acq: 17 Nov 2020 10:03

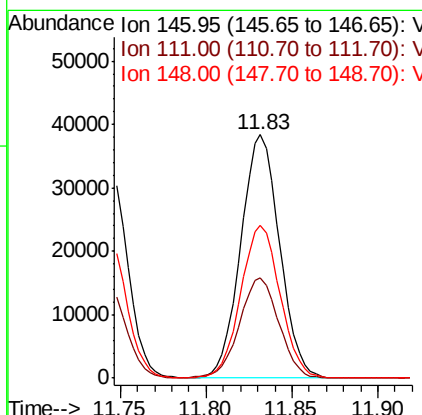
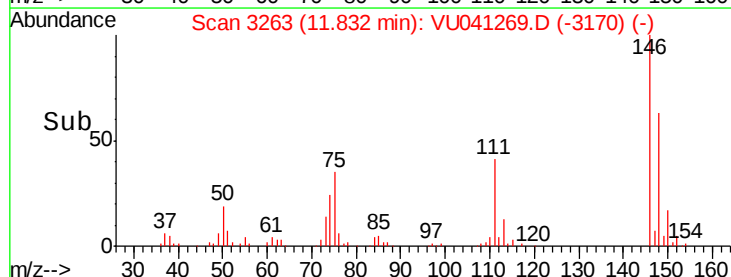
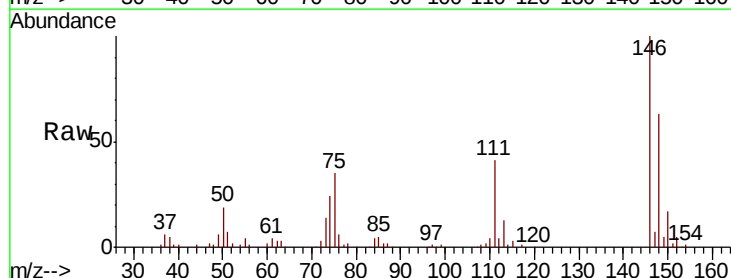
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

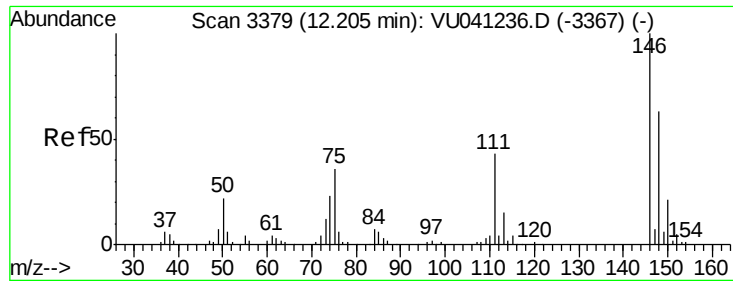
Tot Ion:146 Resp: 59751
 Ion Ratio Lower Upper
 146 100
 111 44.5 30.9 57.3
 148 62.9 45.8 85.2



#63
 1,4-Dichlorobenzene
 Concen: 4.986 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041269.D
 Acq: 17 Nov 2020 10:03

Tgt Ion:146 Resp: 60100
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.3 52.7
 148 62.6 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 4.928 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041269.D

Acq: 17 Nov 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

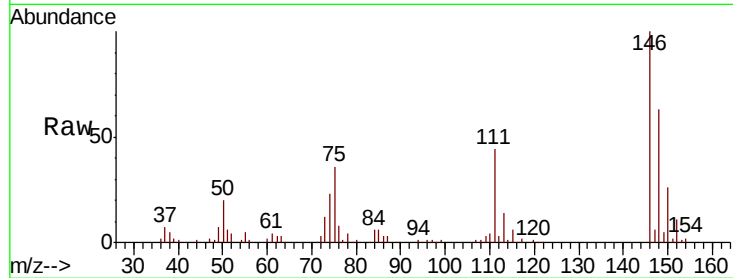
Tot Ion:146 Resp: 57341

Ion Ratio Lower Upper

146 100

111 44.2 35.0 52.6

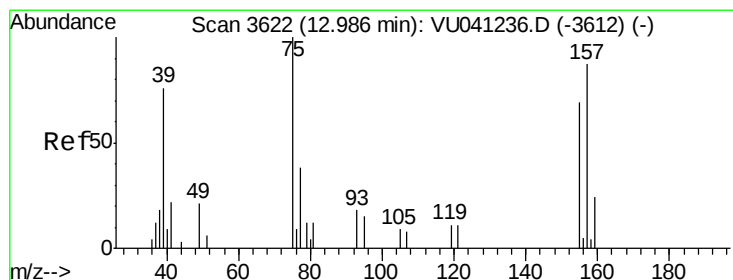
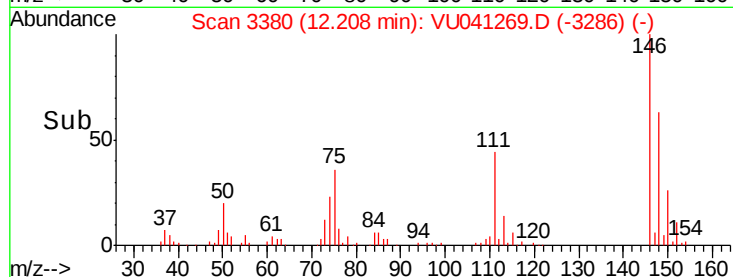
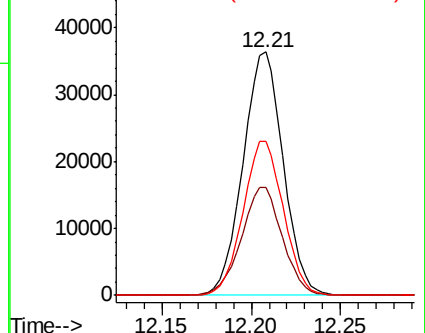
148 63.4 52.0 78.0



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: 5.142 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU041269.D

Acq: 17 Nov 2020 10:03

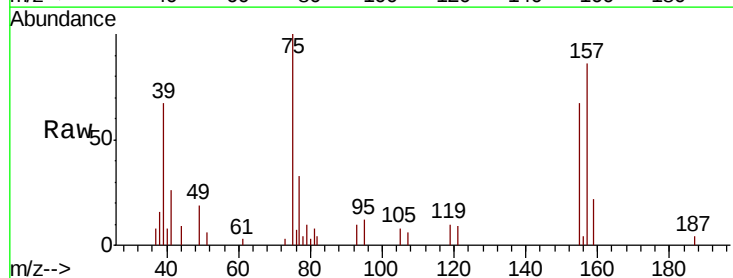
Tgt Ion: 75 Resp: 5554

Ion Ratio Lower Upper

75 100

155 67.5 61.4 92.2

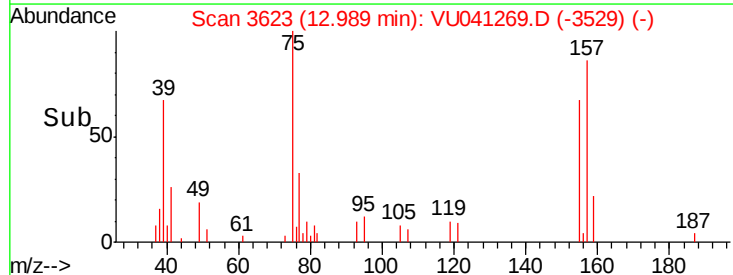
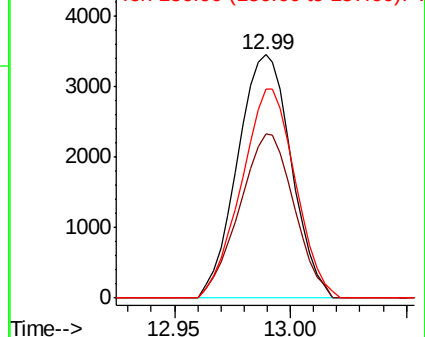
157 85.8 74.2 111.4

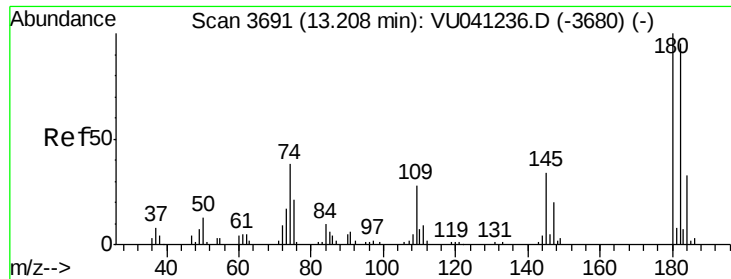


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

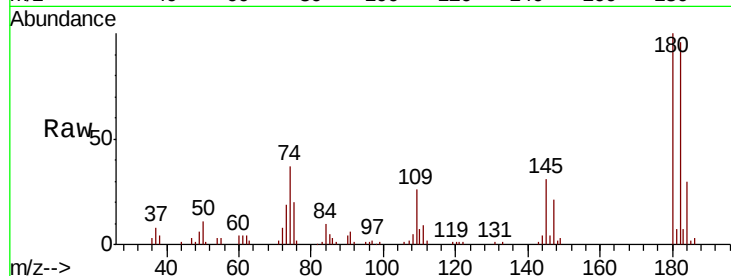




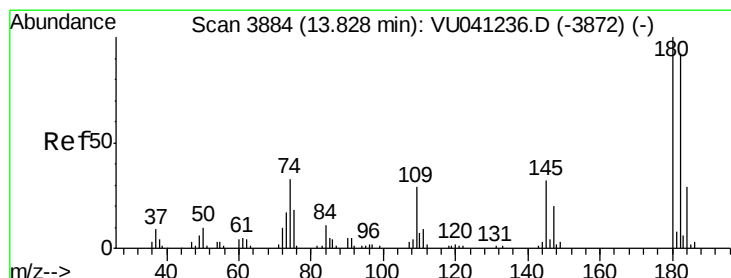
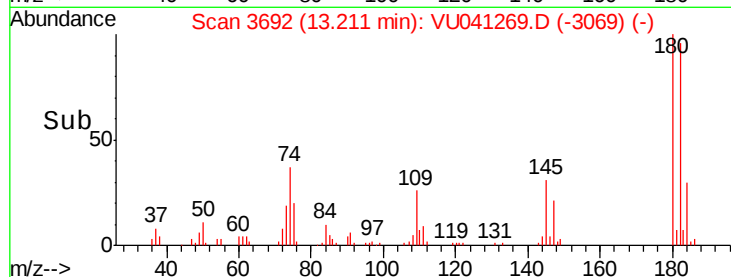
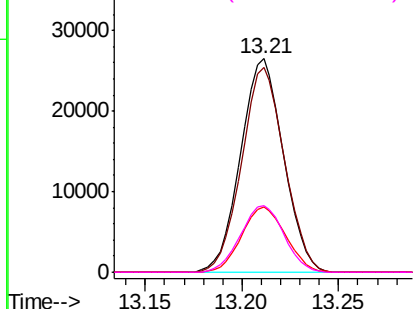
#67
 1,3,5-Trichlorobenzene
 Concen: 4.913 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041269.D
 Acq: 17 Nov 2020 10:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion:180 Resp: 40933
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.7 113.5
 184 31.2 23.7 35.5
 145 31.6 26.1 39.1

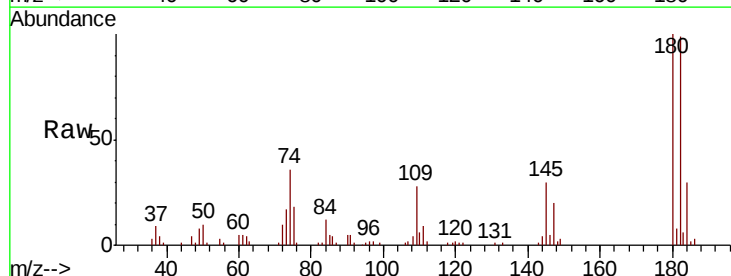


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

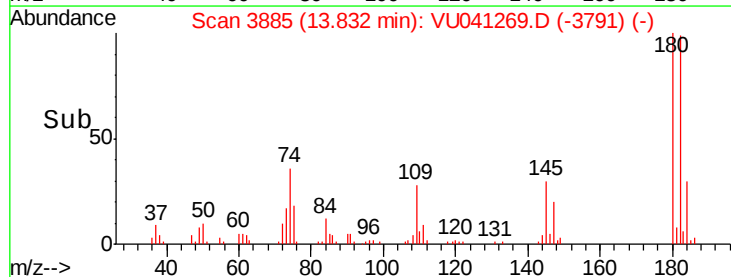
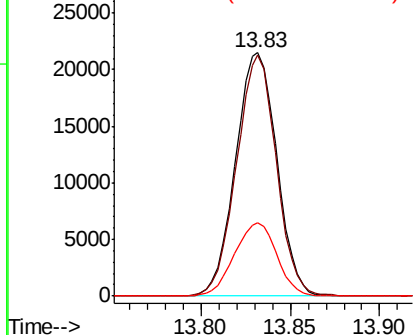


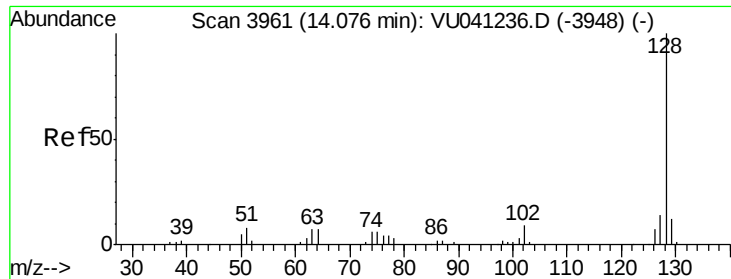
#68
 1,2,4-trichlorobenzene
 Concen: 4.992 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041269.D
 Acq: 17 Nov 2020 10:03

Tgt Ion:180 Resp: 34547
 Ion Ratio Lower Upper
 180 100
 182 95.5 73.5 110.3
 145 30.8 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: 5.094 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU041269.D

Acq: 17 Nov 2020 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

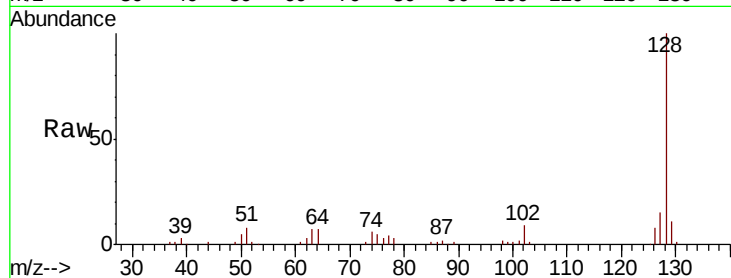
Tot Ion:128 Resp: 57077

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

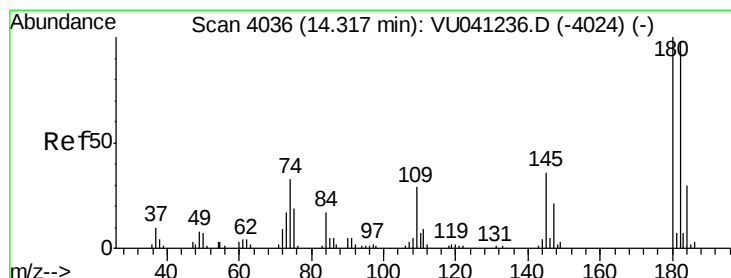
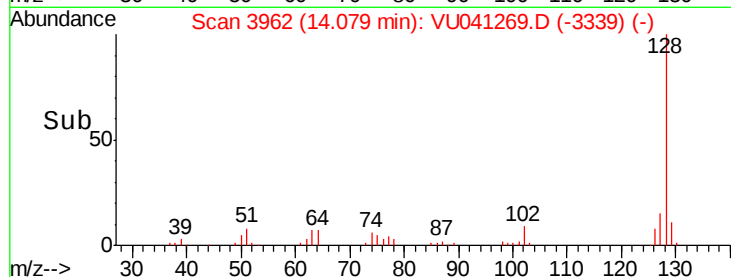
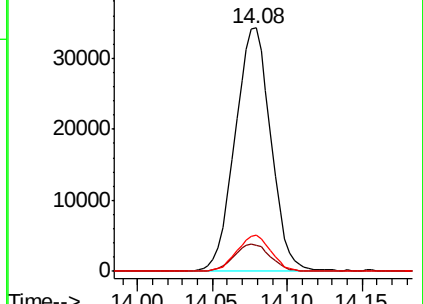
127 13.9 10.8 16.2



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: 5.175 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041269.D

Acq: 17 Nov 2020 10:03

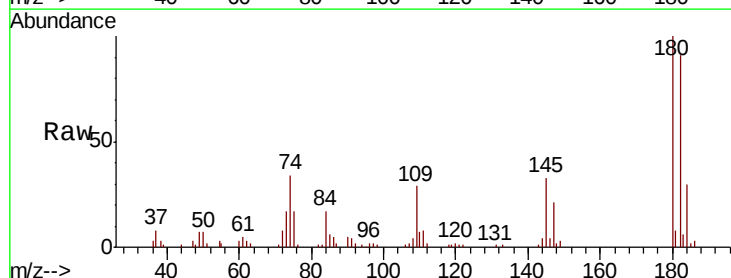
Tgt Ion:180 Resp: 33259

Ion Ratio Lower Upper

180 100

182 93.9 77.7 116.5

145 33.7 29.4 44.0



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

