

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110220\
 Data File : VU041063.D
 Acq On : 02 Nov 2020 20:23
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Quant Time: Nov 03 00:50:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 03 00:40:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	60584	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	59380	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	30029	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	23840	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.92	69	18066	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.58	63	46990	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.20%
20) 2-Butanone-d5	4.65	46	95848	57.19	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.38%
24) Chloroform-d	5.08	84	46421	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.72	65	28523	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.74	84	82931	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	6.70	67	28467	5.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.00%
41) Toluene-d8	7.91	98	77405	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
43) trans-1,3-Dichloropropene-	8.18	79	11678	5.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.20%
46) 2-Hexanone-d5	8.64	63	72395	59.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.98%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25988	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	26986	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	27570	4.985 ug/L	99
3) Chloromethane	1.53	50	29270	5.075 ug/L	98
5) Vinyl chloride	1.61	62	28674	5.040 ug/L	99
6) Bromomethane	1.87	94	15957	4.893 ug/L	99
8) Chloroethane	1.94	64	16654	4.620 ug/L	97
9) Trichlorofluoromethane	2.15	101	39887	5.158 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	23365	5.155 ug/L	97
12) 1,1-Dichloroethene	2.59	96	21173	4.948 ug/L	99
13) Acetone	2.66	43	64279	56.094 ug/L #	56
14) Carbon disulfide	2.81	76	67396	4.713 ug/L	99
15) Methyl Acetate	2.97	43	15991	6.099 ug/L	93
16) Methylene chloride	3.06	84	26634	5.341 ug/L	98
17) Methyl tert-butyl Ether	3.38	73	62160	5.644 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	22097	5.081 ug/L	99
19) 1,1-Dichloroethane	3.89	63	48065	5.528 ug/L	99
21) 2-Butanone	4.73	43	106850	59.660 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	24559	5.475 ug/L	94

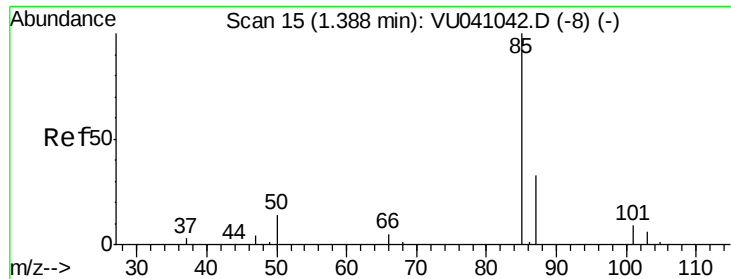
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110220\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	11981	5.661	ug/L	98
25) Chloroform	5.11	83	48921	5.611	ug/L	97
27) 1,2-Dichloroethane	5.81	62	37036	5.703	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	40954	5.639	ug/L	95
30) Cyclohexane	5.40	56	37986	5.309	ug/L	99
31) Carbon tetrachloride	5.54	117	35022	5.446	ug/L	100
33) Benzene	5.79	78	99538	5.610	ug/L	100
34) Trichloroethene	6.55	95	25799	5.714	ug/L	96
35) Methylcyclohexane	6.77	83	34843	5.173	ug/L	100
37) 1,2-Dichloropropane	6.80	63	28824	6.004	ug/L #	97
38) Bromodichloromethane	7.11	83	35496	5.700	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	37707	5.704	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	251432	65.684	ug/L	98
42) Toluene	7.98	91	102163	5.678	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	36125	5.840	ug/L	94
45) 1,1,2-Trichloroethane	8.40	97	20520	5.742	ug/L	96
47) Tetrachloroethene	8.56	164	17919	5.397	ug/L	95
48) 2-Hexanone	8.69	43	191194	66.334	ug/L	97
49) Dibromochloromethane	8.82	129	24166	5.823	ug/L	100
50) 1,2-Dibromoethane	8.93	107	20168	5.922	ug/L #	100
51) Chlorobenzene	9.45	112	63877	5.599	ug/L	98
52) Ethylbenzene	9.57	91	108171	5.712	ug/L	98
53) m,p-Xylene	9.69	106	40420	5.852	ug/L	99
54) o-Xylene	10.10	106	37880	5.889	ug/L	99
55) Styrene	10.11	104	66905	5.838	ug/L	99
56) Isopropylbenzene	10.48	105	103296	5.972	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	27769	5.916	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	21799	6.092	ug/L	96
61) Bromoform	10.29	173	13843	5.982	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	49114	5.666	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	50922	5.672	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	48372	5.655	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	5238	6.248	ug/L	89
67) 1,3,5-Trichlorobenzene	13.21	180	32902	5.427	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	28159	5.607	ug/L	98
69) Naphthalene	14.08	128	51773	5.765	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	27687	5.982	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 4.985 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

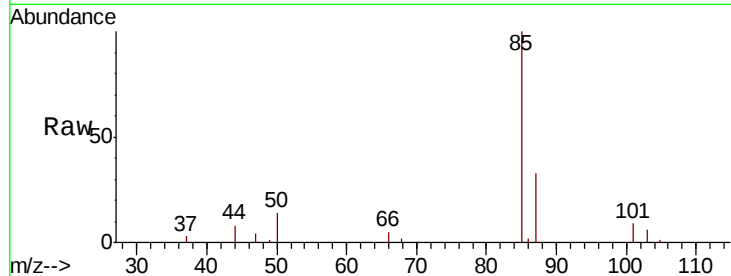
VSTD00512

Tot Ion: 85 Resp: 27570

Ion Ratio Lower Upper

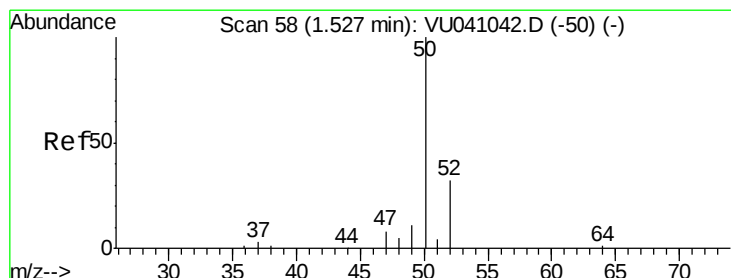
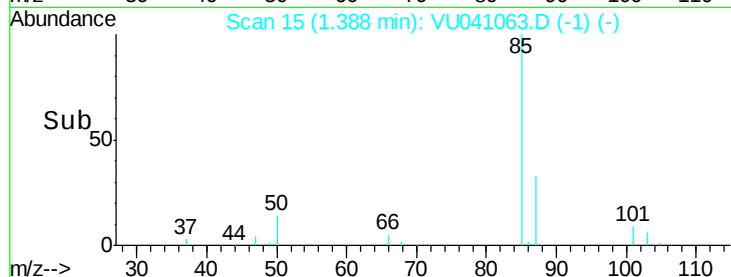
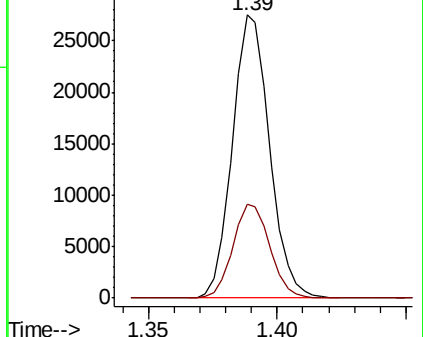
85 100

87 32.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU041042.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU041042.D (-8) (-)



#3

Chloromethane

Concen: 5.075 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041063.D

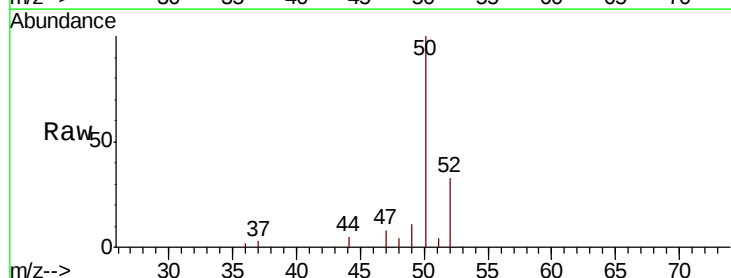
Acq: 02 Nov 2020 20:23

Tgt Ion: 50 Resp: 29270

Ion Ratio Lower Upper

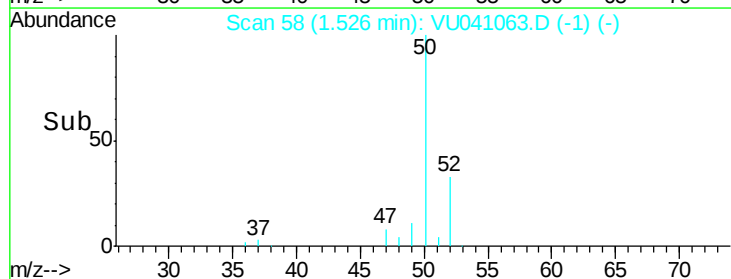
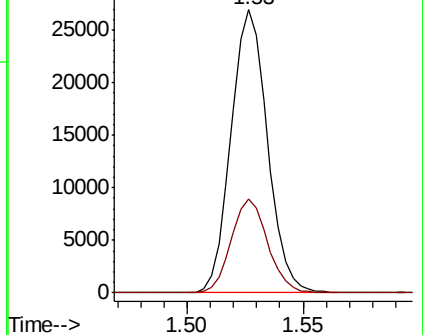
50 100

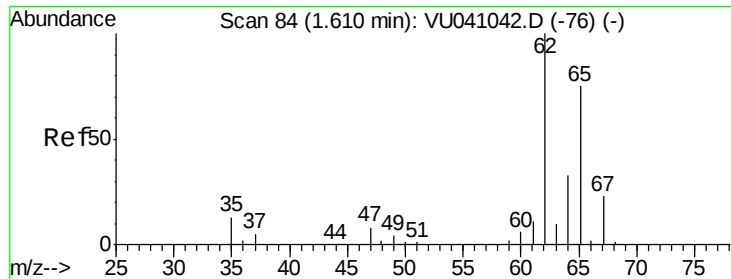
52 33.0 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041042.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU041042.D (-50) (-)





#5

Vinyl chloride

Concen: 5.040 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

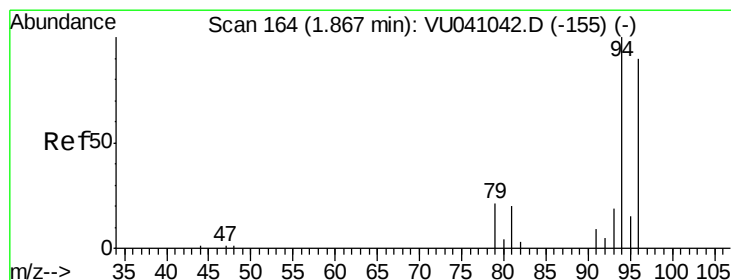
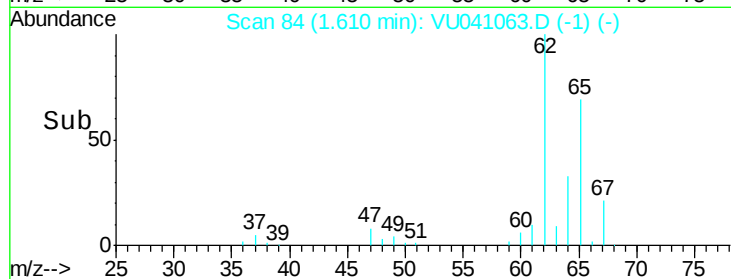
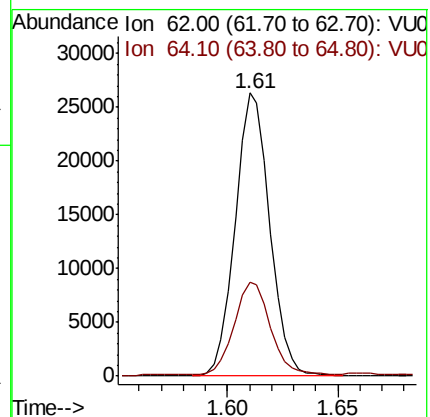
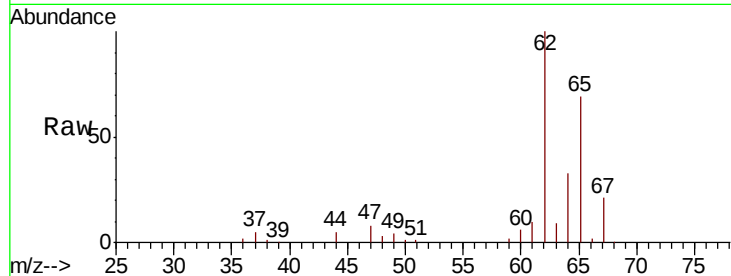
VSTD00512

Tot Ion: 62 Resp: 28674

Ion Ratio Lower Upper

62 100

64 33.3 22.7 42.3



#6

Bromomethane

Concen: 4.893 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041063.D

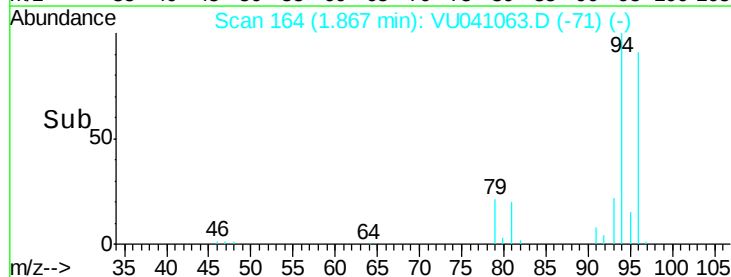
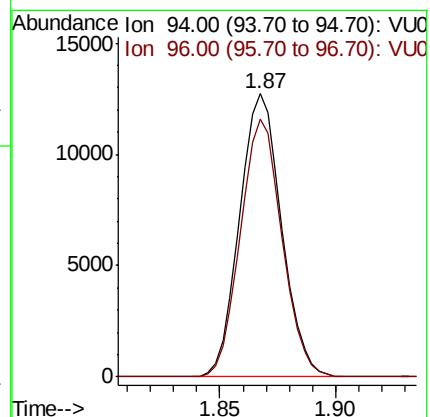
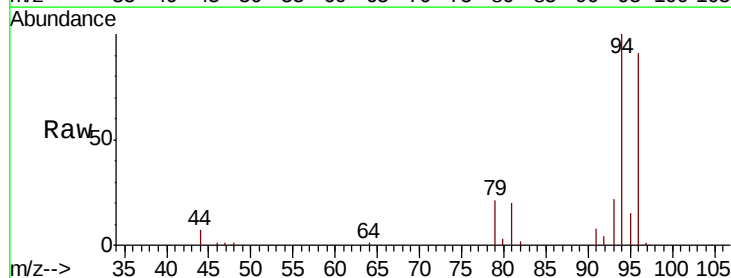
Acq: 02 Nov 2020 20:23

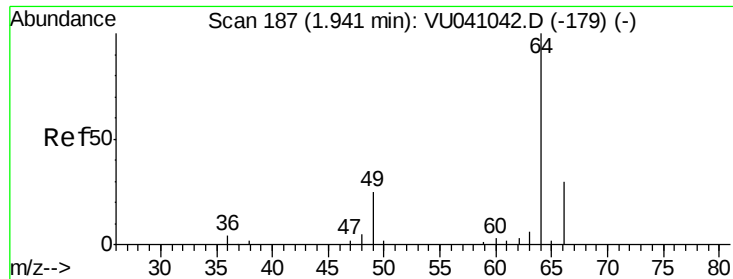
Tgt Ion: 94 Resp: 15957

Ion Ratio Lower Upper

94 100

96 91.3 63.5 117.9

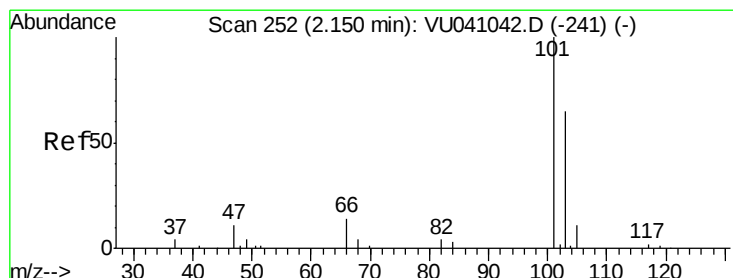
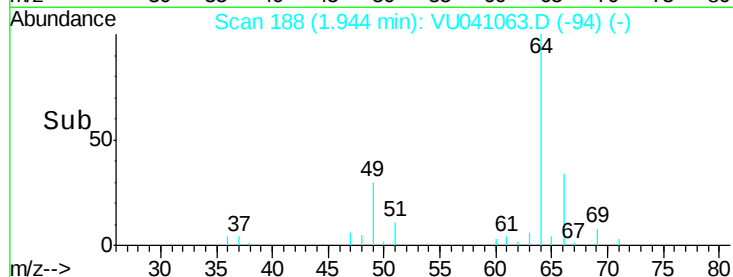
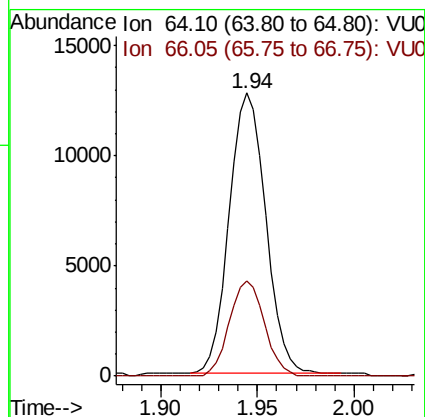
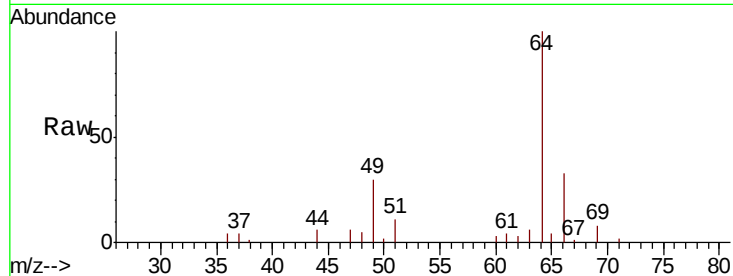




#8
Chloroethane
Concen: 4.620 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU041063.D
Acq: 02 Nov 2020 20:23

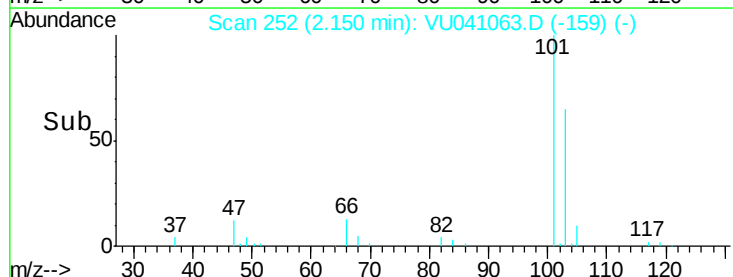
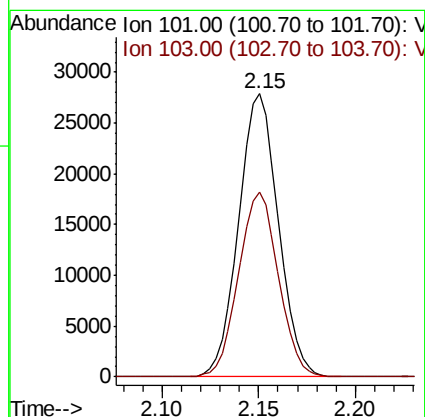
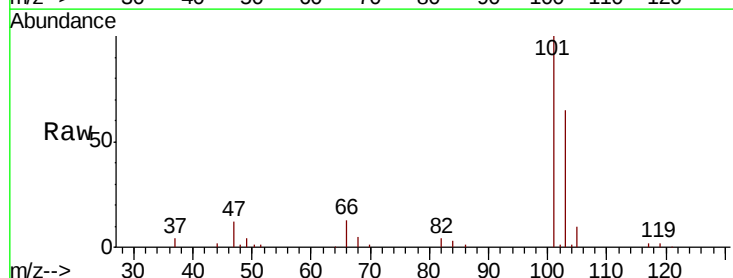
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

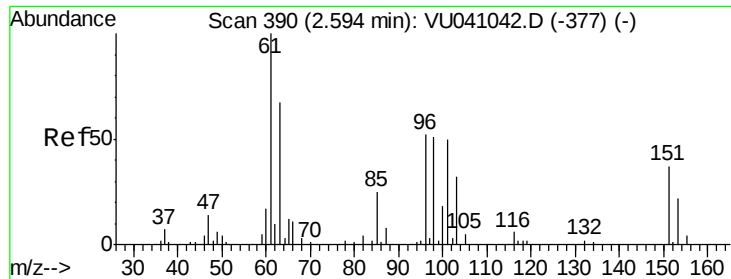
Tot Ion: 64 Resp: 16654
Ion Ratio Lower Upper
64 100
66 33.5 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.158 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU041063.D
Acq: 02 Nov 2020 20:23

Tgt Ion: 101 Resp: 39887
Ion Ratio Lower Upper
101 100
103 65.3 51.0 76.4





#10

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

Concen: 5.155 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

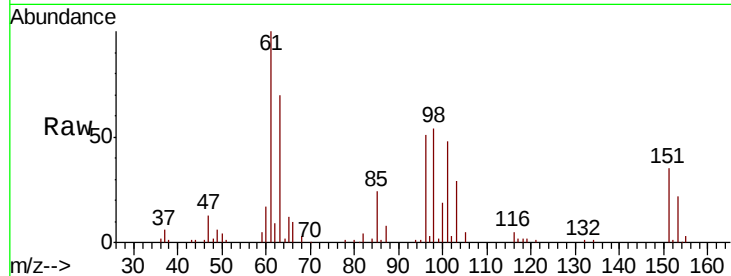
Tot Ion:101 Resp: 23365

Ion Ratio Lower Upper

101 100

85 47.5 35.0 52.4

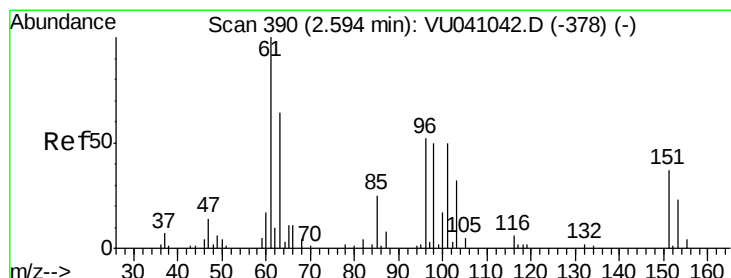
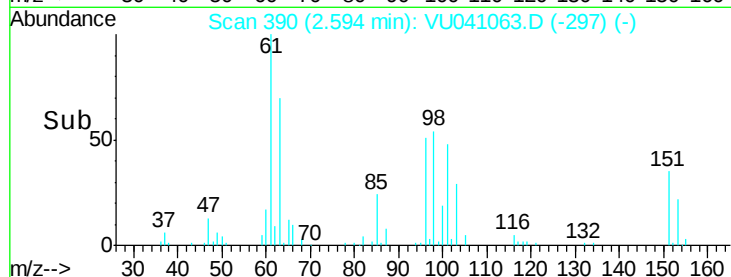
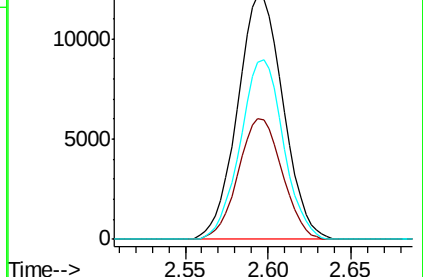
151 69.5 55.3 82.9



Abundance Ion 101.00 (100.70 to 101.70): VU041042.D (-377) (-)

Ion 85.00 (84.70 to 85.70): VU041042.D (-377) (-)

Ion 151.00 (150.70 to 151.70): VU041042.D (-377) (-)



#12

1,1-Dichloroethene

Concen: 4.948 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

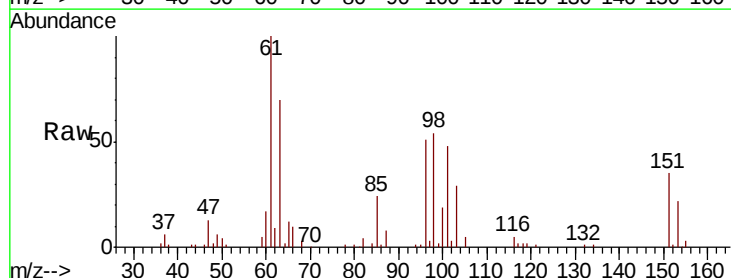
Tgt Ion: 96 Resp: 21173

Ion Ratio Lower Upper

96 100

61 194.7 134.3 249.5

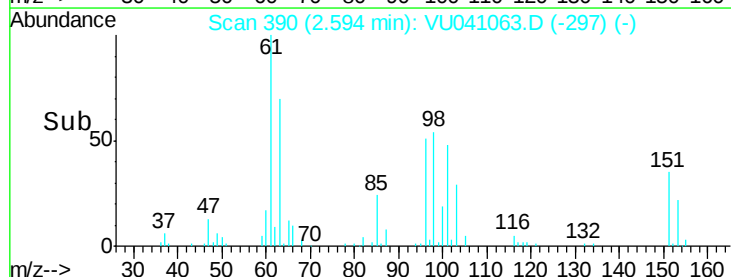
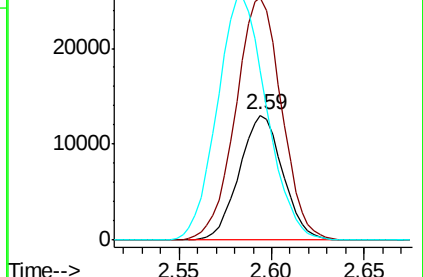
63 135.7 95.0 176.4

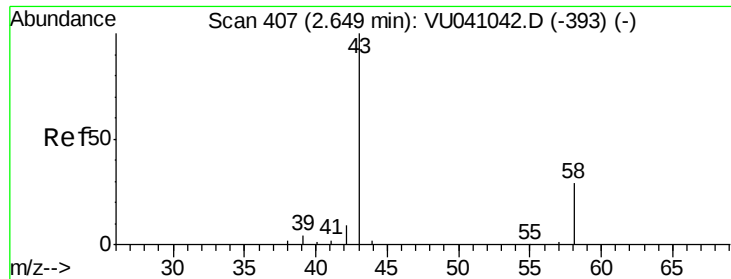


Abundance Ion 96.00 (95.70 to 96.70): VU041042.D (-378) (-)

Ion 61.05 (60.75 to 61.75): VU041042.D (-378) (-)

Ion 63.00 (62.70 to 63.70): VU041042.D (-378) (-)





#13

Acetone

Concen: 56.094 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

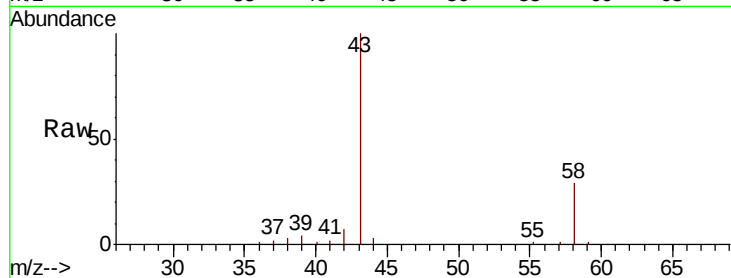
VSTD00512

Tot Ion: 43 Resp: 64279

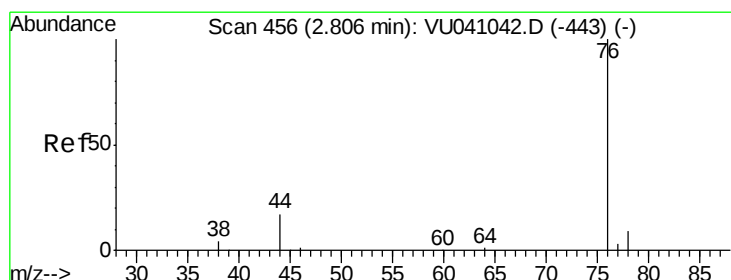
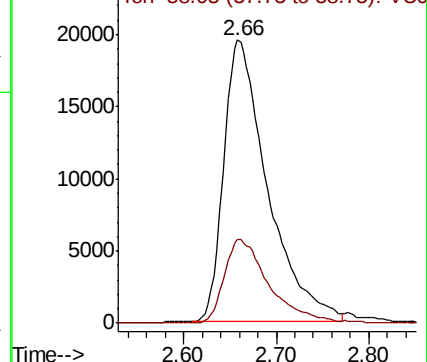
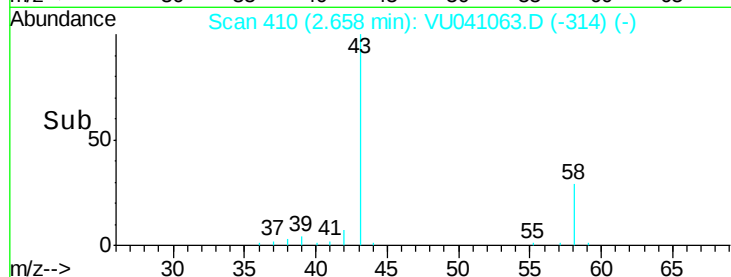
Ion Ratio Lower Upper

43 100

58 30.0 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041063.D (-314) (-)



#14

Carbon disulfide

Concen: 4.713 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU041063.D

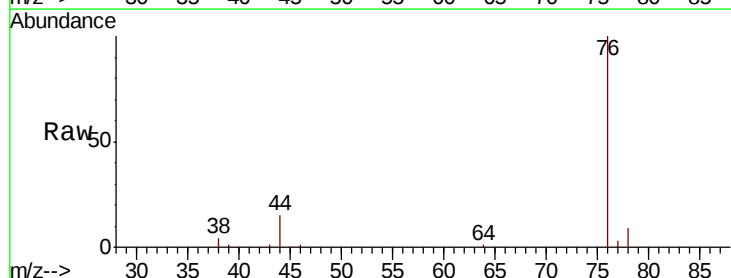
Acq: 02 Nov 2020 20:23

Tgt Ion: 76 Resp: 67396

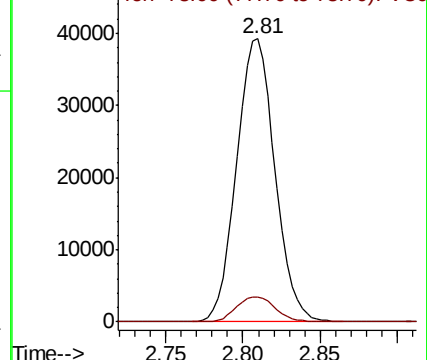
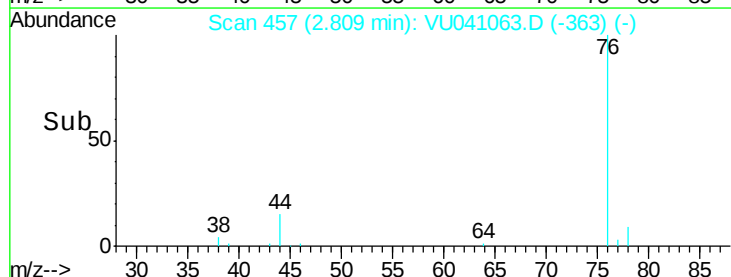
Ion Ratio Lower Upper

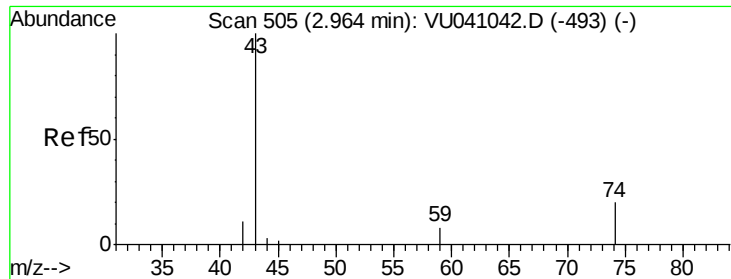
76 100

78 8.9 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041063.D (-363) (-)

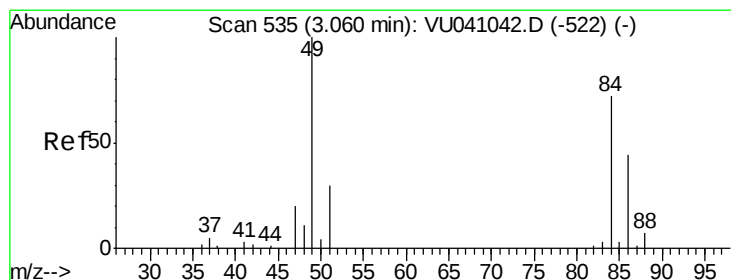
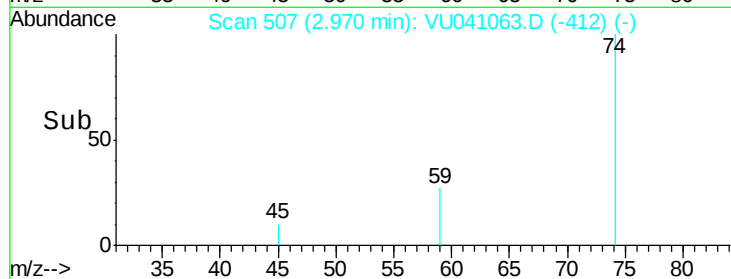
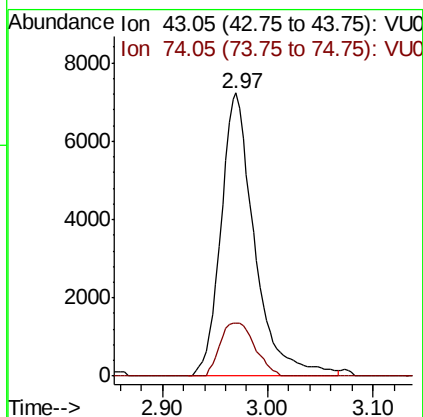
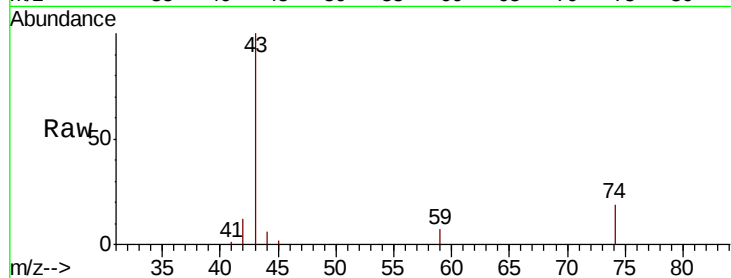




#15
Methvl Acetate
Concen: 6.099 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.01 min
Lab File: VU041063.D
Acq: 02 Nov 2020 20:23

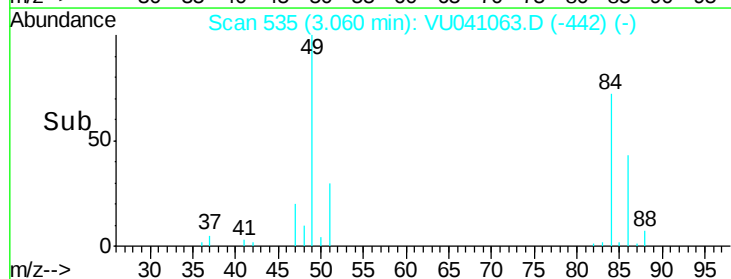
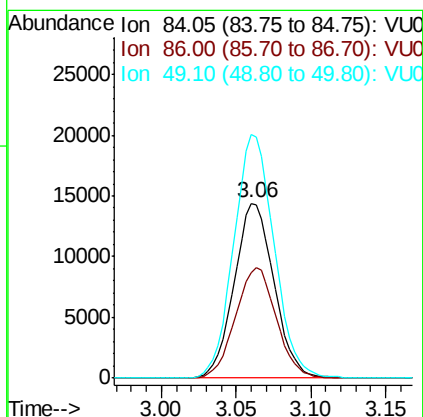
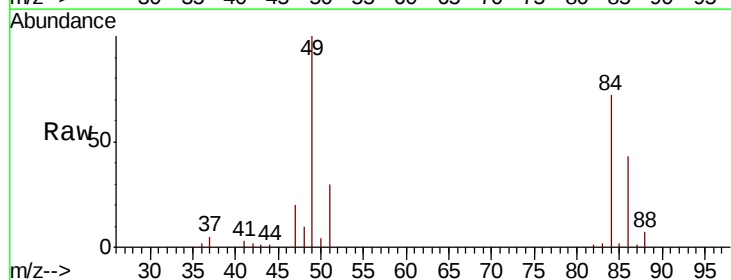
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

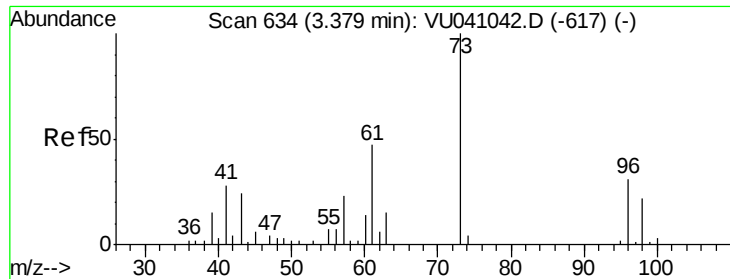
Tot Ion: 43 Resp: 15991
Ion Ratio Lower Upper
43 100
74 19.4 18.3 27.5



#16
Methylene chloride
Concen: 5.341 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041063.D
Acq: 02 Nov 2020 20:23

Tgt Ion: 84 Resp: 26634
Ion Ratio Lower Upper
84 100
86 60.5 42.8 79.6
49 139.2 99.5 184.7

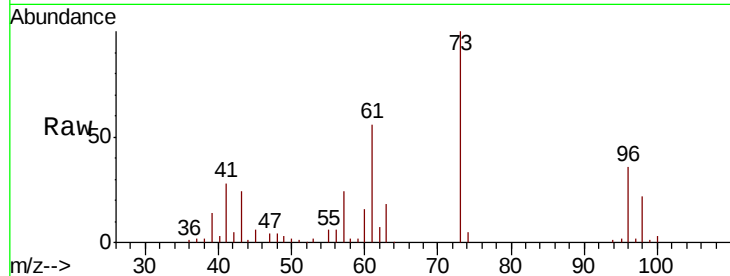




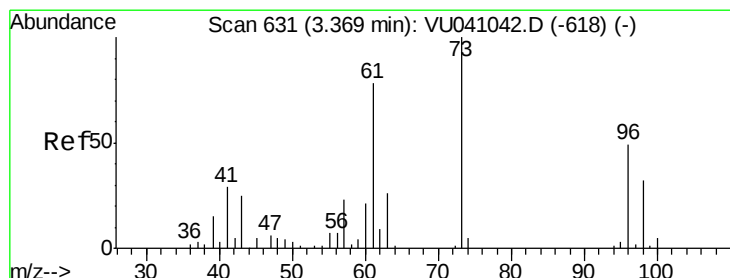
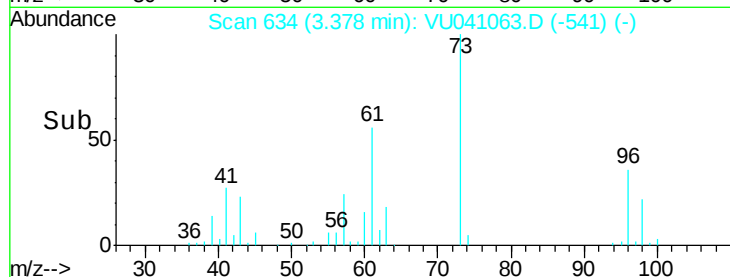
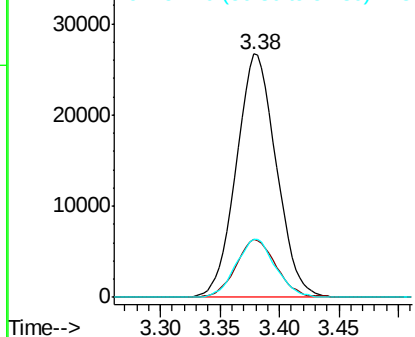
#17
Methvl tert-butvl Ether
Concen: 5.644 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041063.D
Acq: 02 Nov 2020 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion: 73 Resp: 62160
Ion Ratio Lower Upper
73 100
43 23.9 18.5 27.7
57 23.7 18.4 27.6

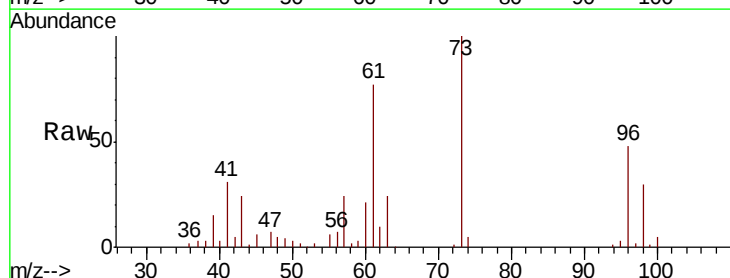


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

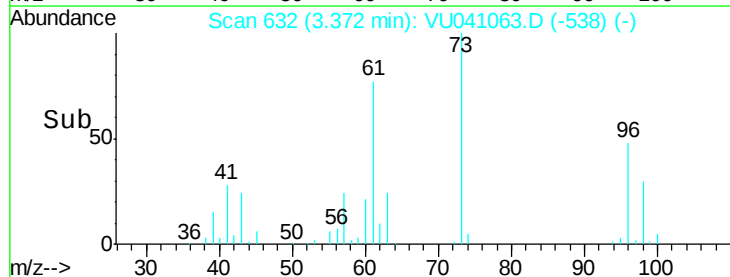
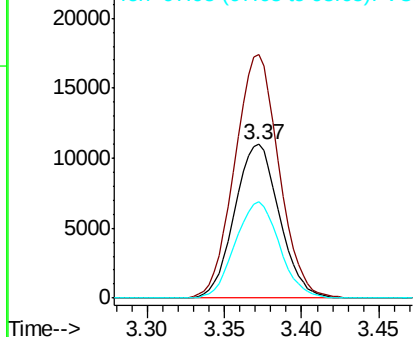


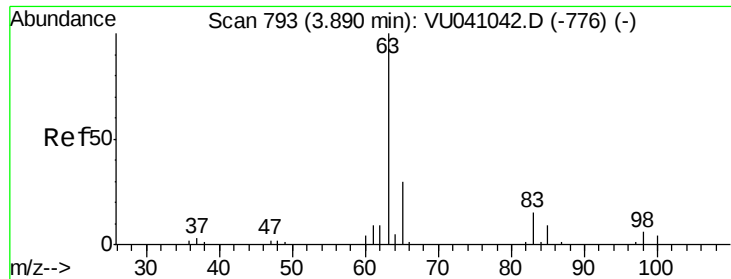
#18
trans-1,2-Dichloroethene
Concen: 5.081 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU041063.D
Acq: 02 Nov 2020 20:23

Tgt Ion: 96 Resp: 22097
Ion Ratio Lower Upper
96 100
61 158.3 110.9 205.9
98 62.4 45.4 84.2



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

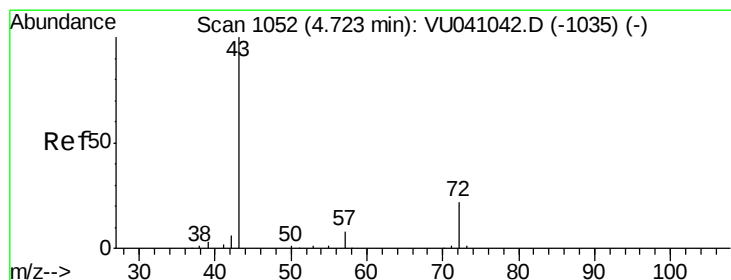
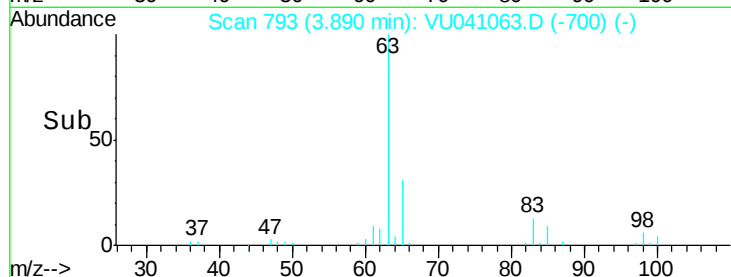
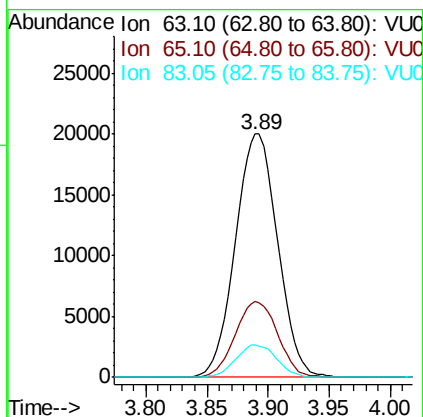
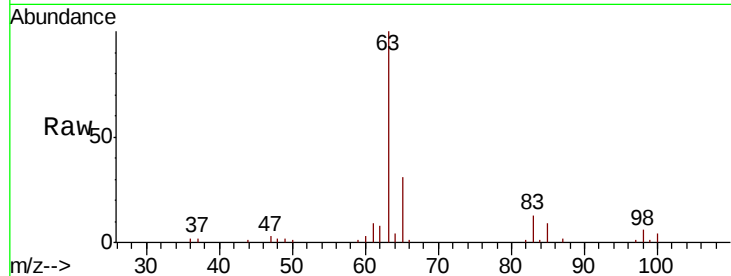




#19
 1,1-Dichloroethane
 Concen: 5.528 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU041063.D
 Acq: 02 Nov 2020 20:23

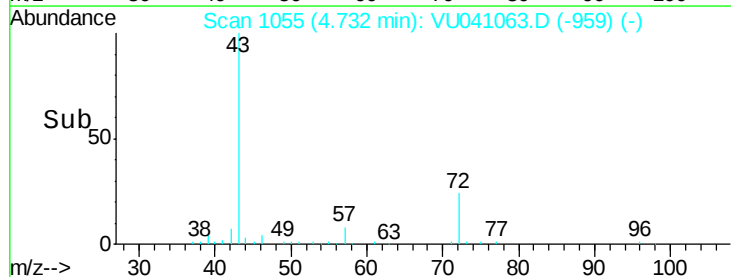
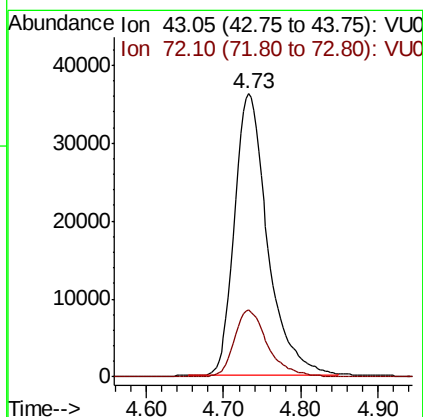
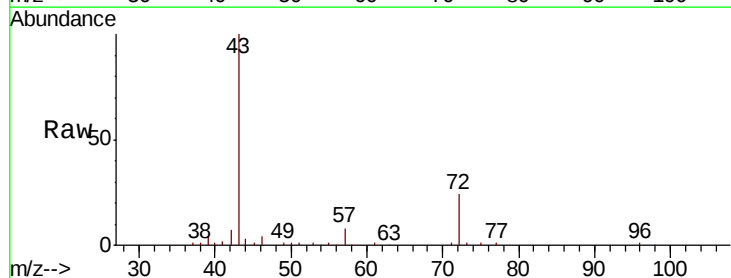
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

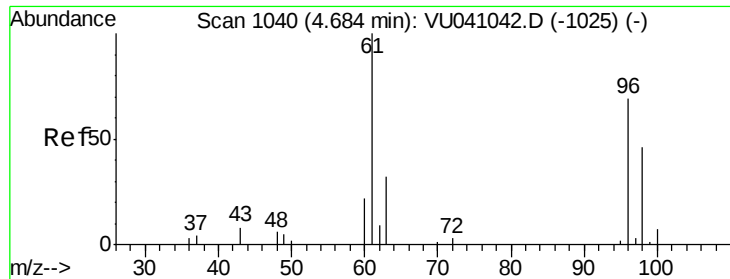
Tot Ion	63	Resp	48065
Ion	Ratio	Lower	Upper
63	100		
65	31.1	21.3	39.6
83	13.1	8.8	16.3



#21
 2-Butanone
 Concen: 59.660 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VU041063.D
 Acq: 02 Nov 2020 20:23

Tgt Ion	43	Resp	106850
Ion	Ratio	Lower	Upper
43	100		
72	24.1	11.8	35.4





#22

cis-1,2-Dichloroethene

Concen: 5.475 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

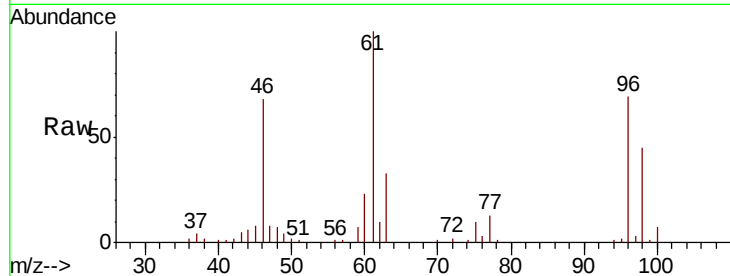
Tot Ion: 96 Resp: 24559

Ion Ratio Lower Upper

96 100

61 145.6 97.2 180.4

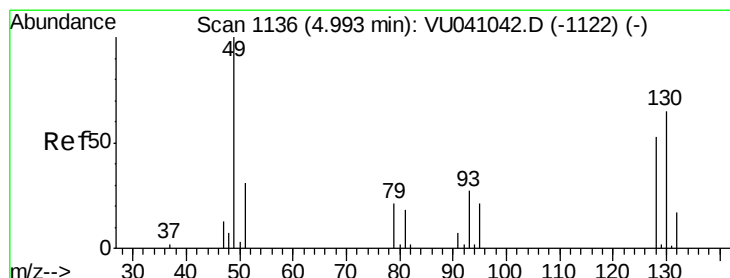
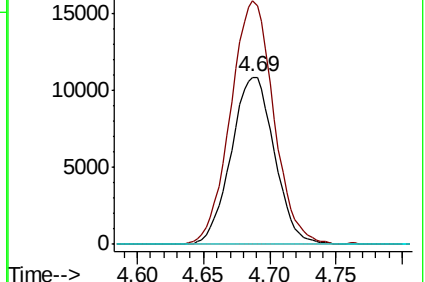
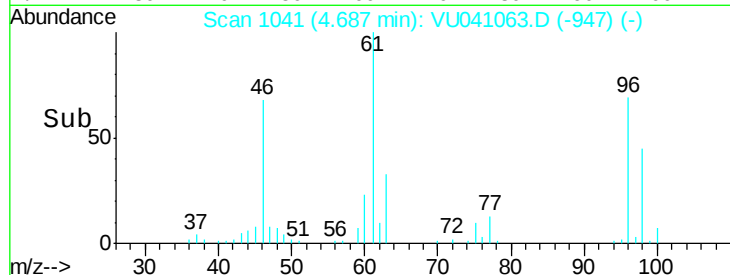
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041063.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041063.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU041063.D (-947) (-)



#23

Bromochloromethane

Concen: 5.661 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

Tgt Ion: 128 Resp: 11981

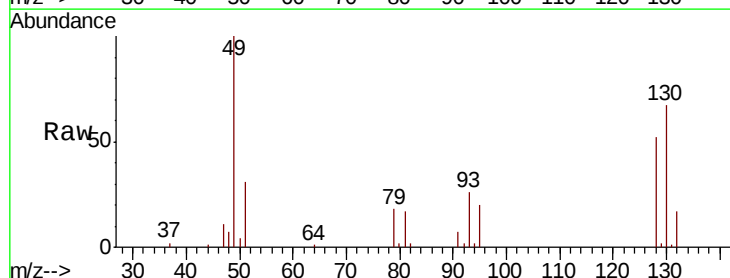
Ion Ratio Lower Upper

128 100

49 191.4 135.0 250.8

130 128.1 89.9 167.0

51 59.1 51.9 77.9

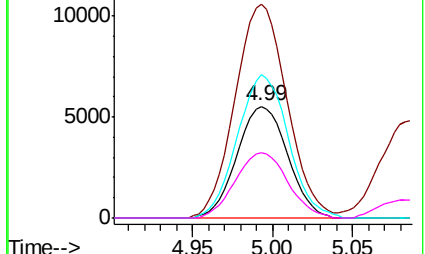
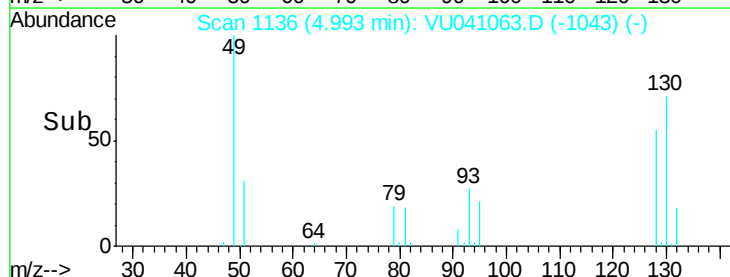


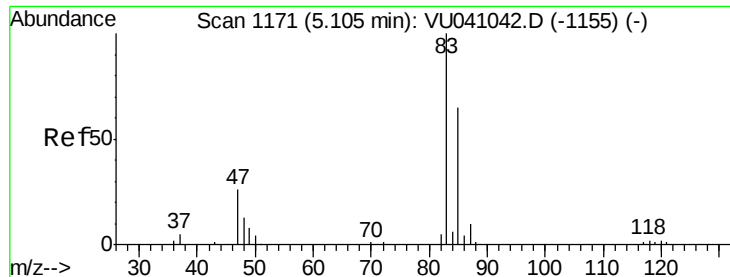
Abundance Ion 127.90 (127.60 to 128.60): VU041063.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU041063.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU041063.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU041063.D (-1043) (-)

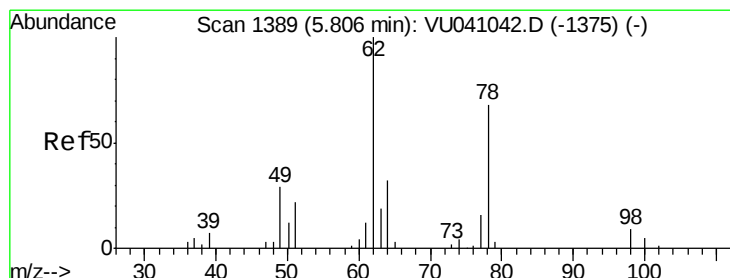
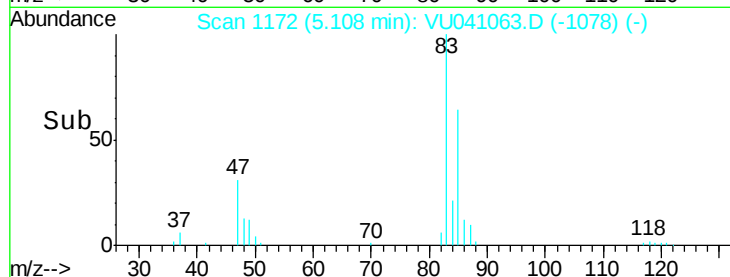
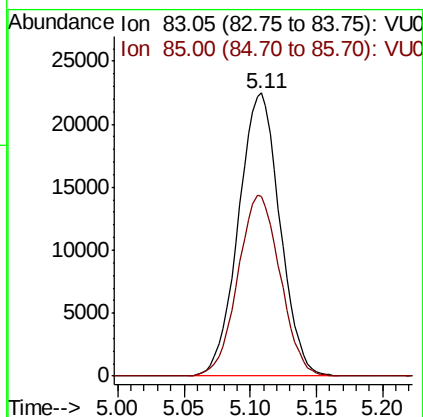
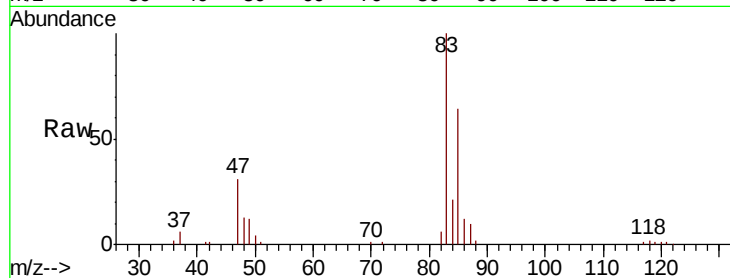




#25
Chloroform
Concen: 5.611 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041063.D
Acq: 02 Nov 2020 20:23

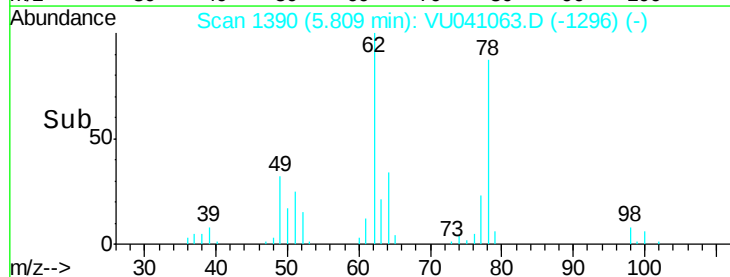
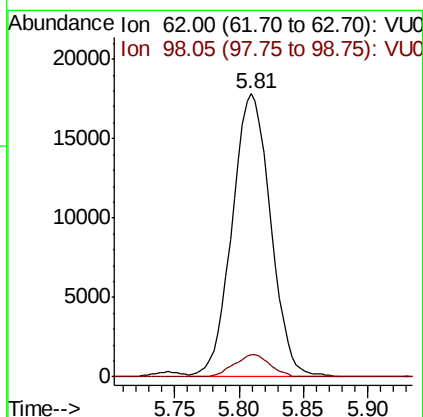
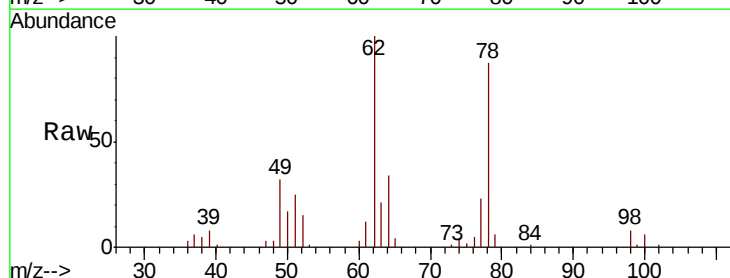
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

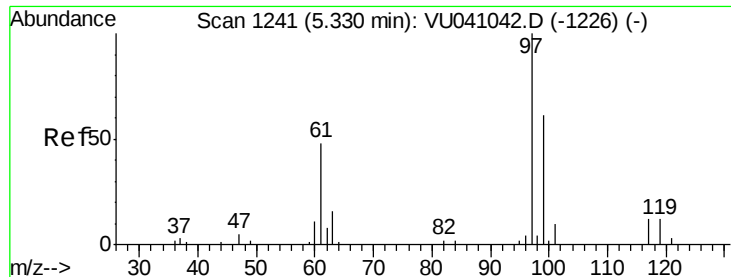
Tot Ion: 83 Resp: 48921
Ion Ratio Lower Upper
83 100
85 63.6 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.703 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041063.D
Acq: 02 Nov 2020 20:23

Tgt Ion: 62 Resp: 37036
Ion Ratio Lower Upper
62 100
98 7.9 7.6 11.4

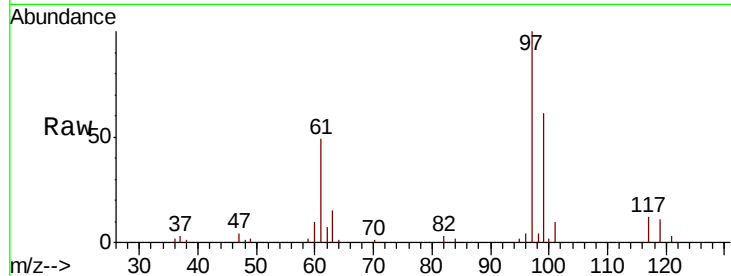




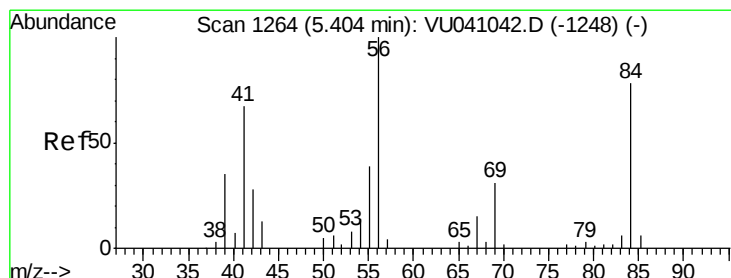
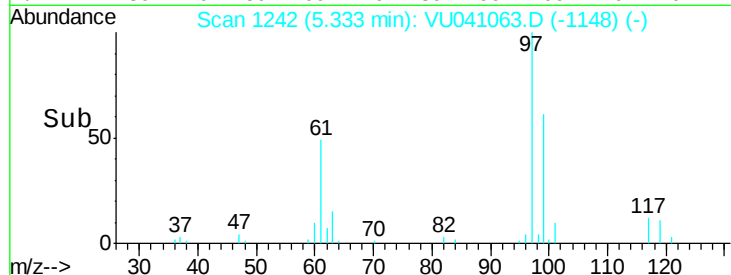
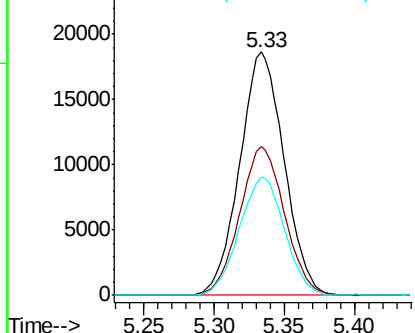
#29
 1,1,1-Trichloroethane
 Concen: 5.639 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041063.D
 Acq: 02 Nov 2020 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion: 97 Resp: 40954
 Ion Ratio Lower Upper
 97 100
 99 61.8 53.4 80.0
 61 49.5 41.6 62.4

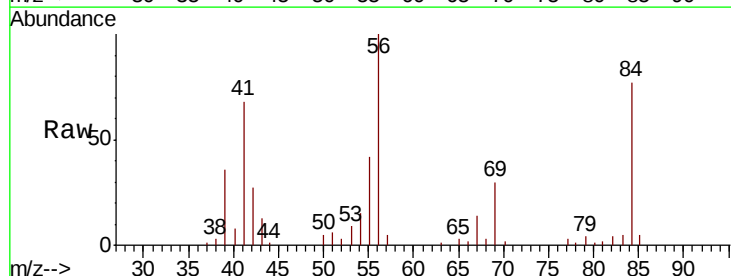


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

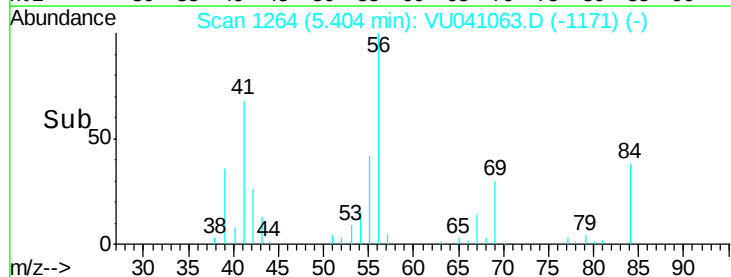
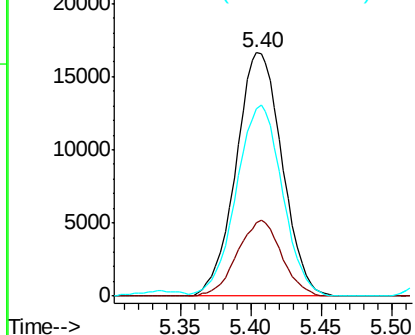


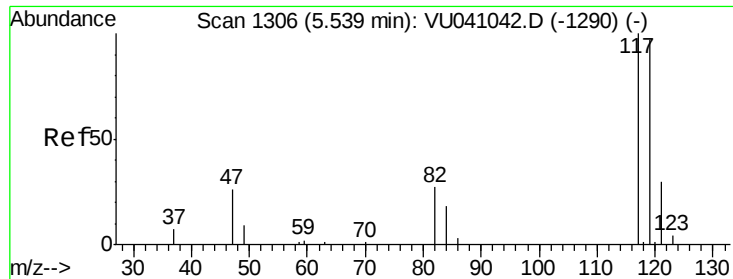
#30
 Cyclohexane
 Concen: 5.309 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU041063.D
 Acq: 02 Nov 2020 20:23

Tgt Ion: 56 Resp: 37986
 Ion Ratio Lower Upper
 56 100
 69 29.8 22.8 34.2
 84 78.6 63.6 95.4



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

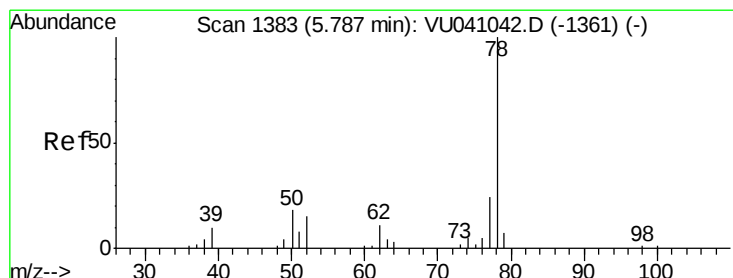
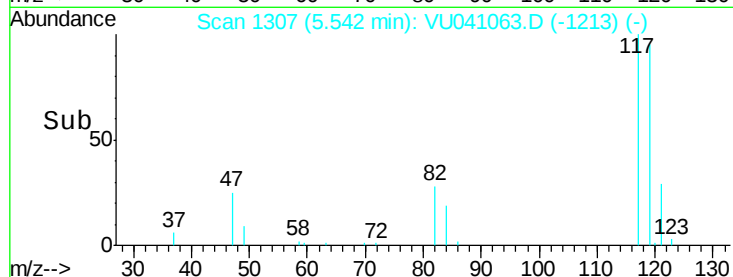
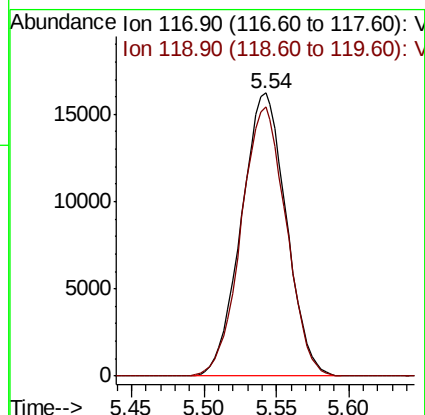
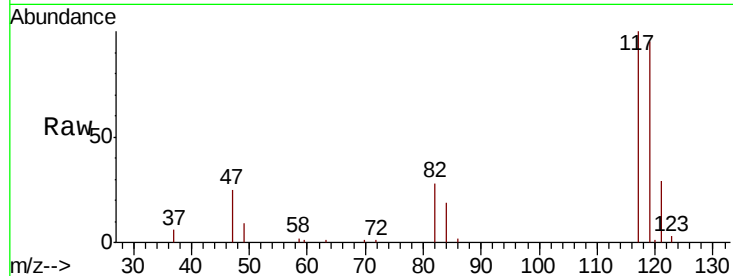




#31
Carbon tetrachloride
Concen: 5.446 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU041063.D
Acq: 02 Nov 2020 20:23

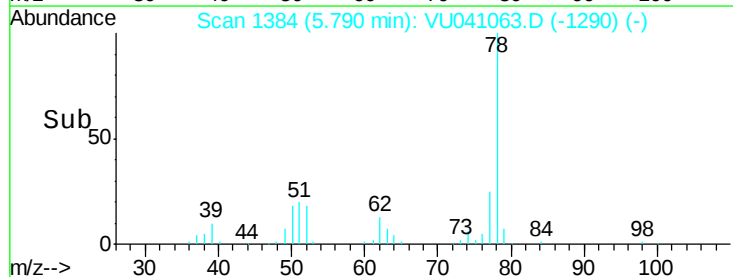
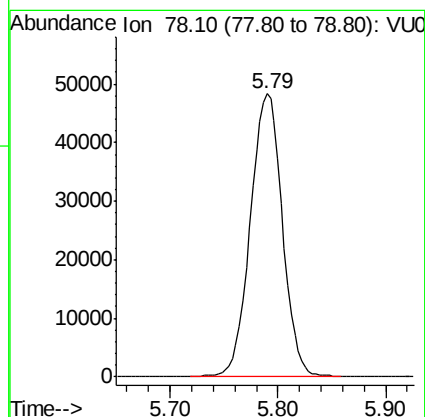
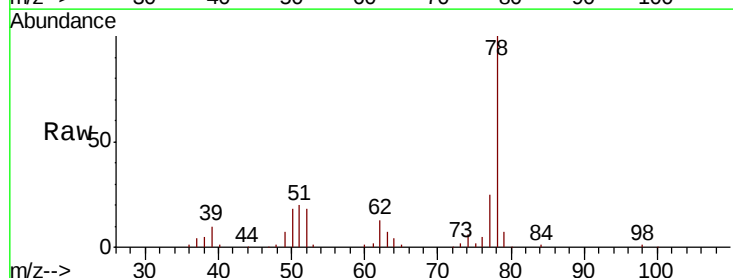
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

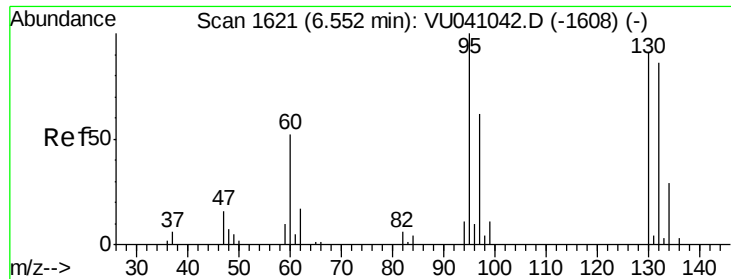
Tot Ion:117 Resp: 35022
Ion Ratio Lower Upper
117 100
119 95.1 76.1 114.1



#33
Benzene
Concen: 5.610 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041063.D
Acq: 02 Nov 2020 20:23

Tgt Ion: 78 Resp: 99538

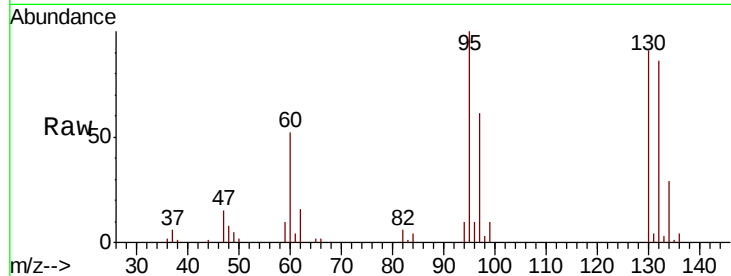




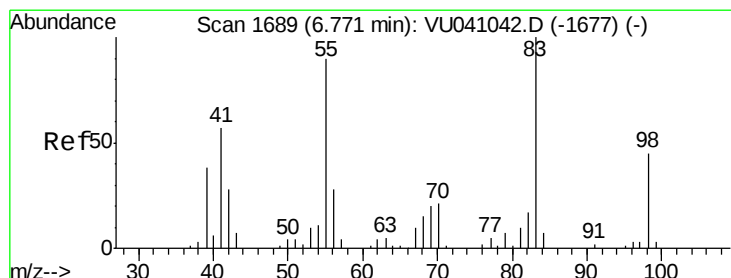
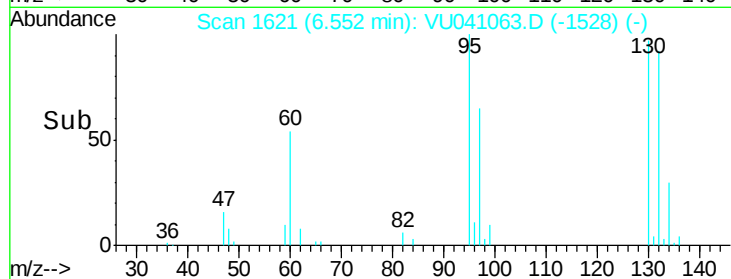
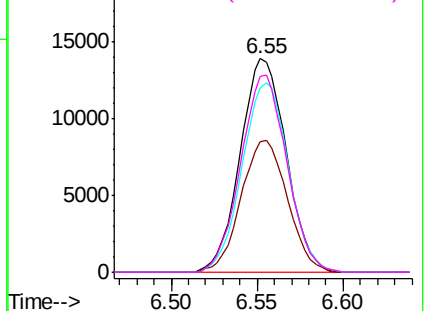
#34
 Trichloroethene
 Concen: 5.714 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041063.D
 Acq: 02 Nov 2020 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion: 95 Resp: 25799
 Ion Ratio Lower Upper
 95 100
 97 60.9 45.6 84.6
 132 86.5 64.8 120.4
 130 91.5 64.8 120.4

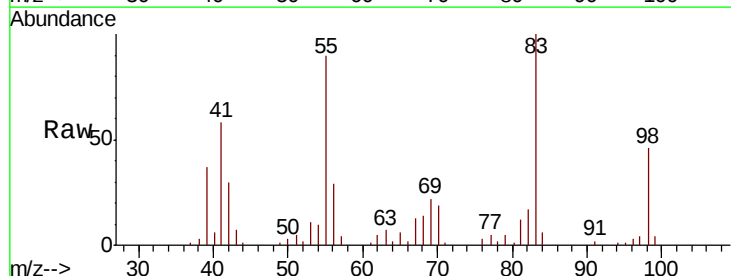


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

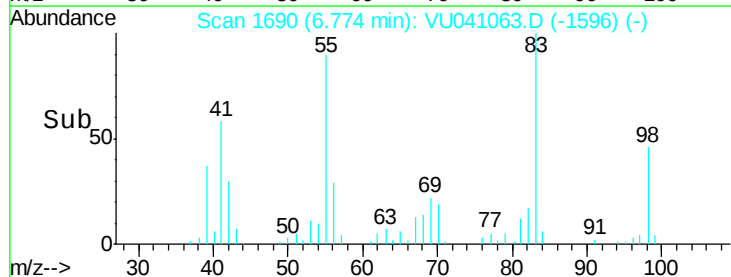
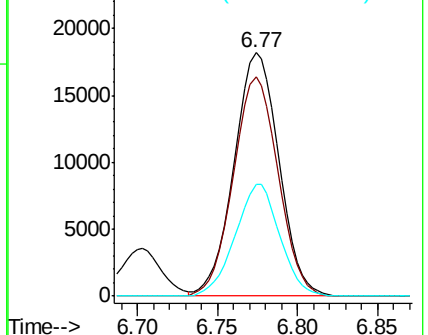


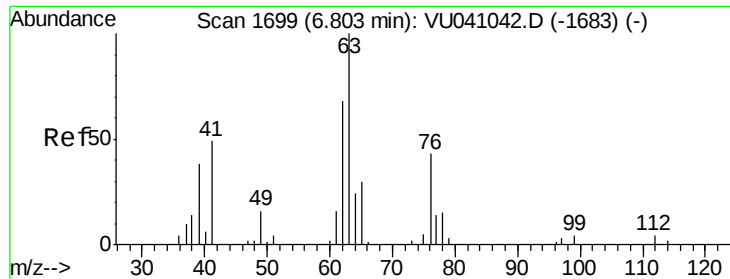
#35
 Methylcyclohexane
 Concen: 5.173 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041063.D
 Acq: 02 Nov 2020 20:23

Tgt Ion: 83 Resp: 34843
 Ion Ratio Lower Upper
 83 100
 55 90.0 72.0 108.0
 98 45.6 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

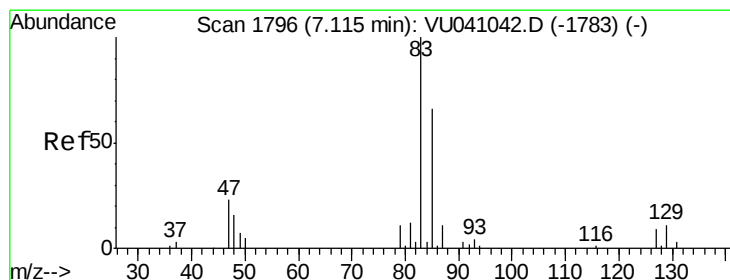
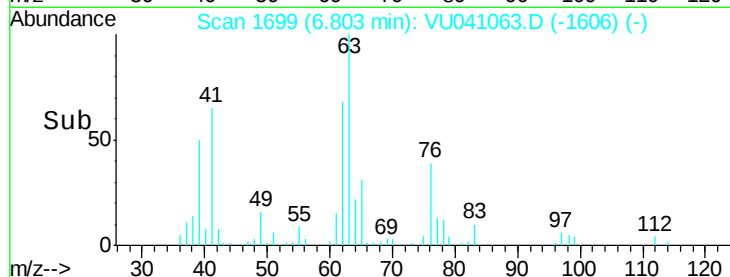
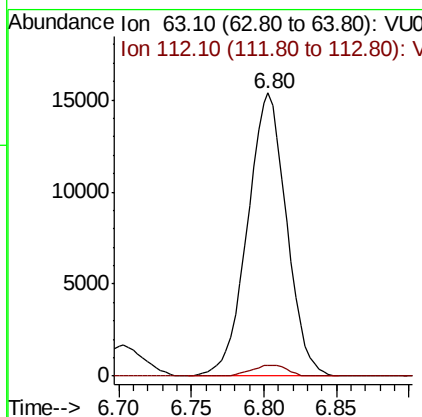
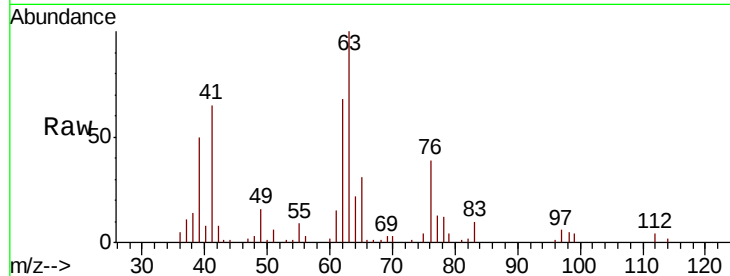




#37
 1,2-Dichloropropane
 Concen: 6.004 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU041063.D
 Acq: 02 Nov 2020 20:23

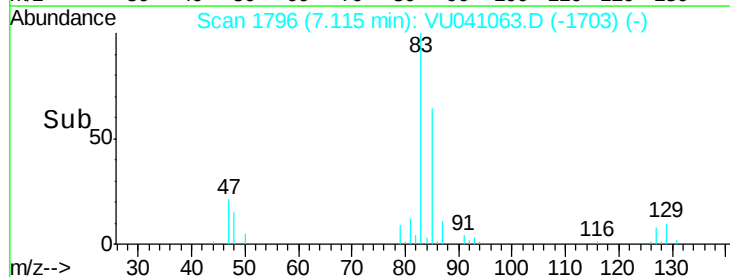
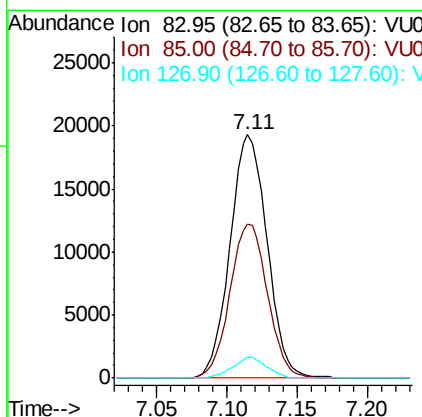
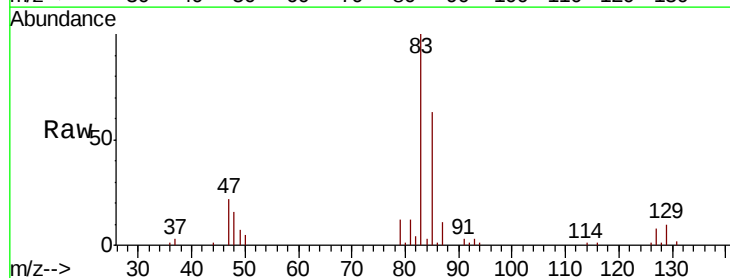
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

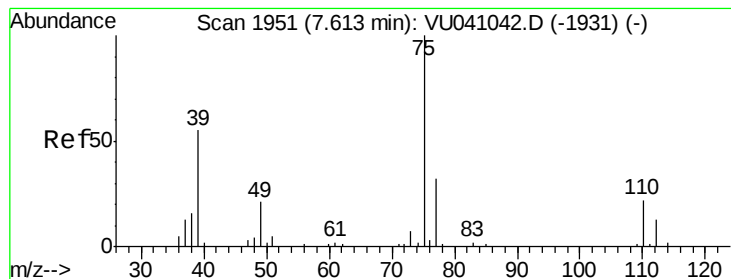
Tot Ion: 63 Resp: 28824
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 5.700 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041063.D
 Acq: 02 Nov 2020 20:23

Tgt Ion: 83 Resp: 35496
 Ion Ratio Lower Upper
 83 100
 85 63.2 43.3 80.3
 127 8.4 5.9 8.9



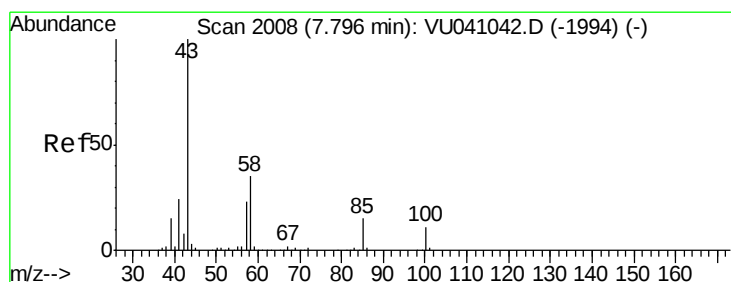
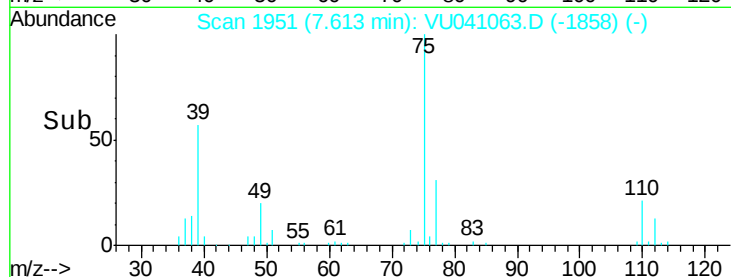
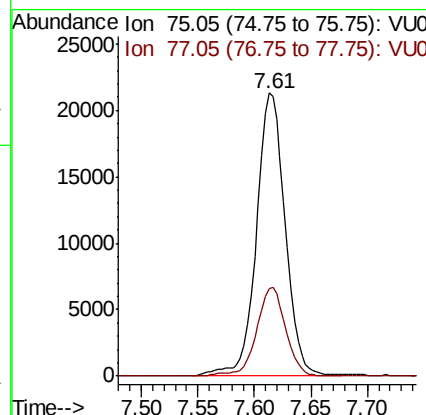
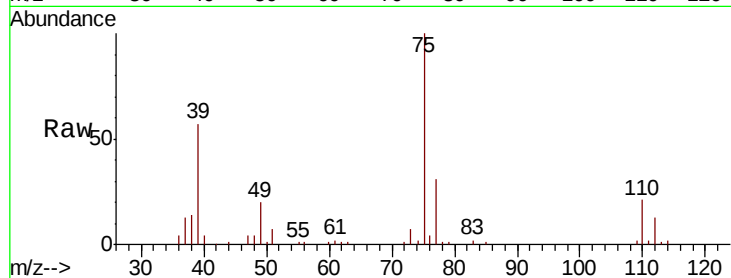


#39

cis-1,3-Dichloropropene
Concen: 5.704 ug/L
RT: 7.61 min Scan# 1951
Delta R.T. -0.00 min
Lab File: VU041063.D
Acq: 02 Nov 2020 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

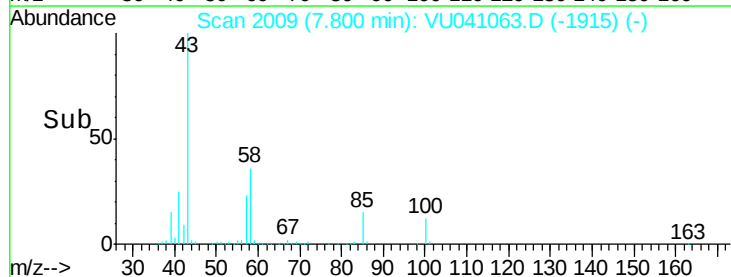
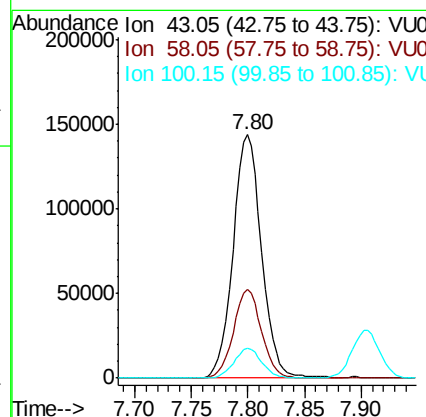
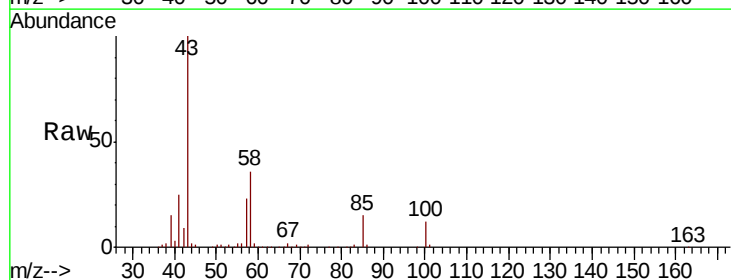
Tot Ion: 75 Resp: 37707
Ion Ratio Lower Upper
75 100
77 31.1 22.7 42.3

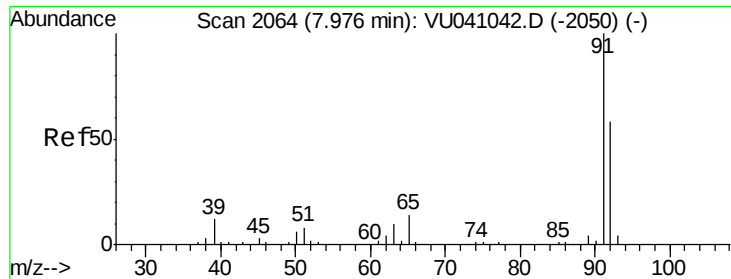


#40

4-Methyl-2-pentanone
Concen: 65.684 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU041063.D
Acq: 02 Nov 2020 20:23

Tgt Ion: 43 Resp: 251432
Ion Ratio Lower Upper
43 100
58 35.9 29.8 44.6
100 12.0 10.5 15.7





#42

Toluene

Concen: 5.678 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

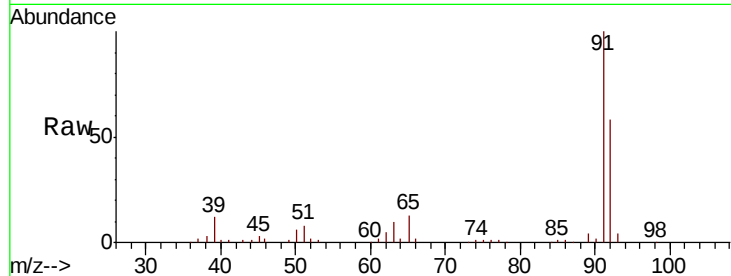
VSTD00512

Tot Ion: 91 Resp: 102163

Ion Ratio Lower Upper

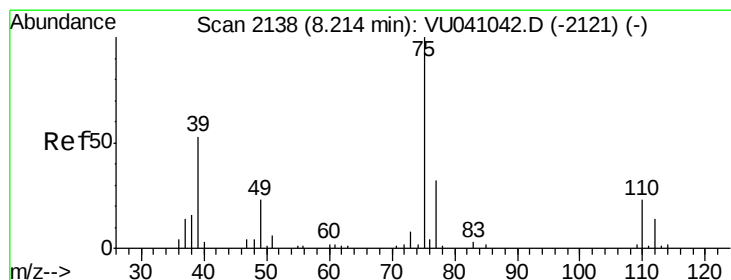
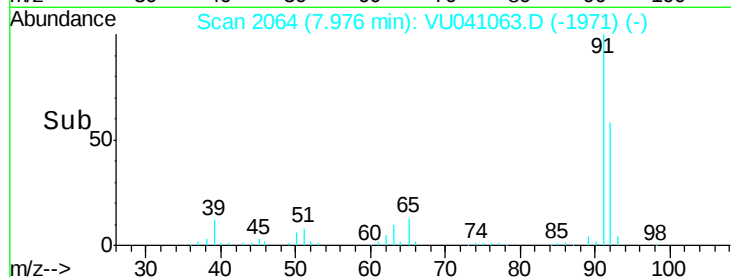
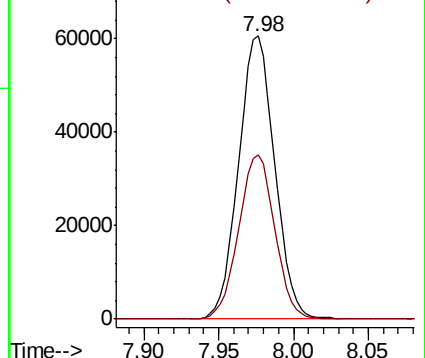
91 100

92 58.2 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: 5.840 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041063.D

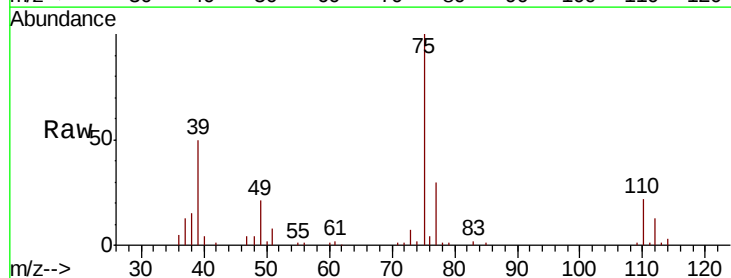
Acq: 02 Nov 2020 20:23

Tgt Ion: 75 Resp: 36125

Ion Ratio Lower Upper

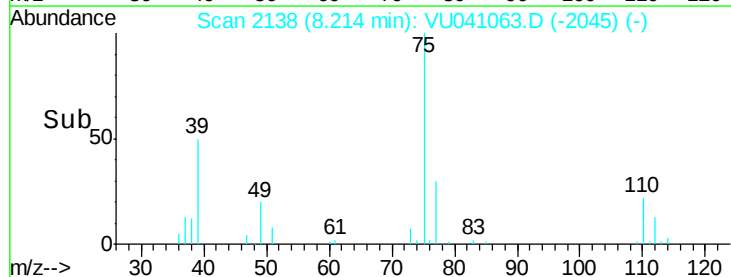
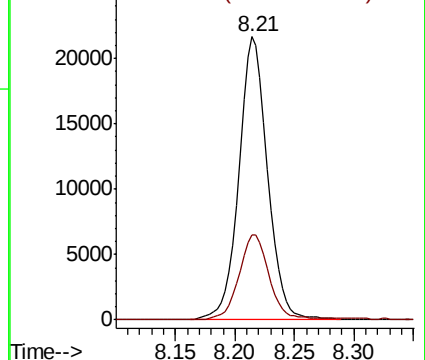
75 100

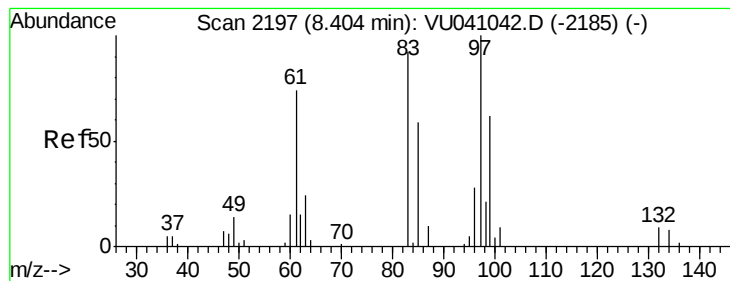
77 29.9 23.3 43.3



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: 5.742 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

Tot Ion: 97 Resp: 20520

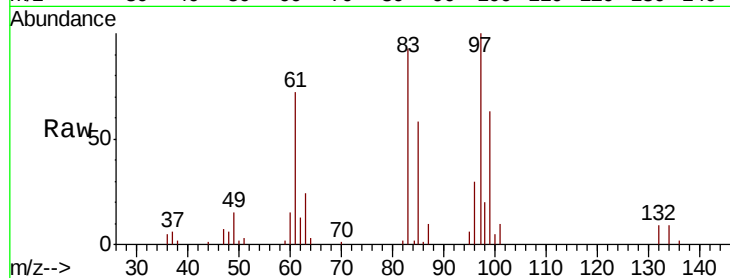
Ion Ratio Lower Upper

97 100

99 63.3 45.8 85.2

83 93.3 67.9 126.1

85 58.1 42.8 79.6

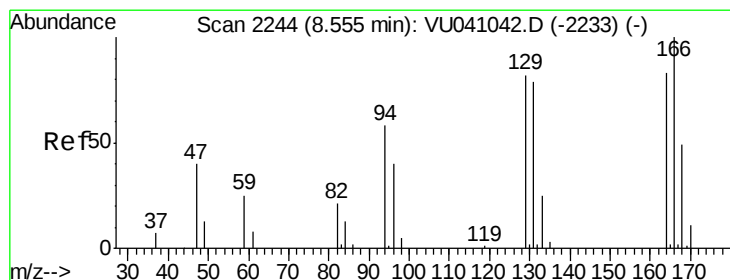
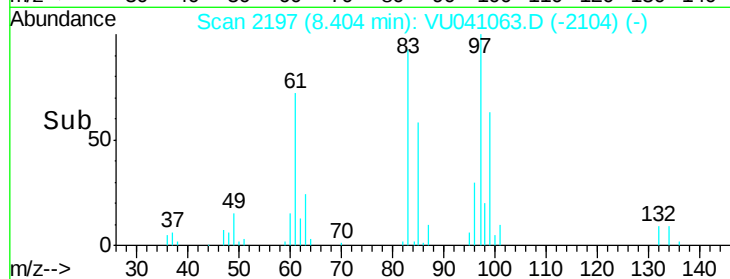
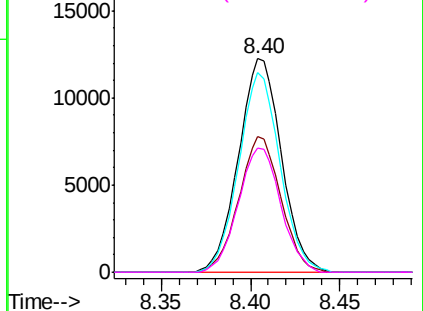


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.397 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

Tgt Ion: 164 Resp: 17919

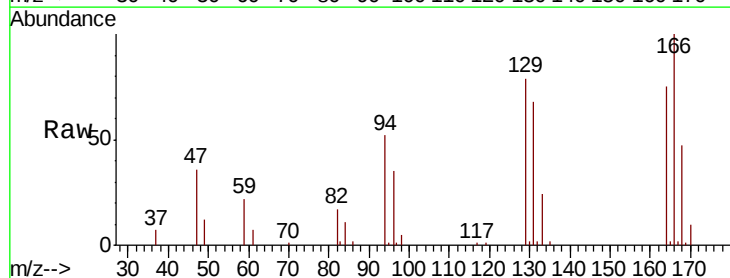
Ion Ratio Lower Upper

164 100

129 105.7 70.3 130.7

131 91.1 70.8 131.4

166 133.2 92.0 170.8

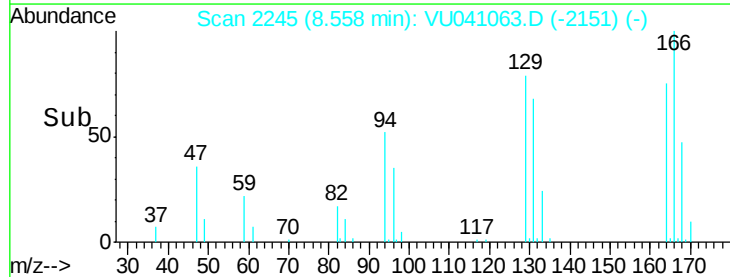
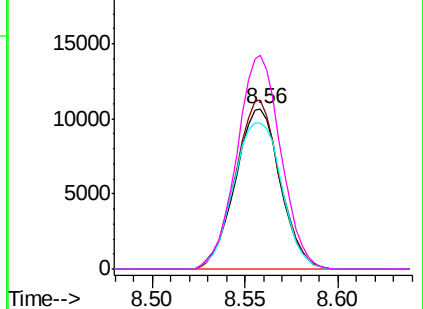


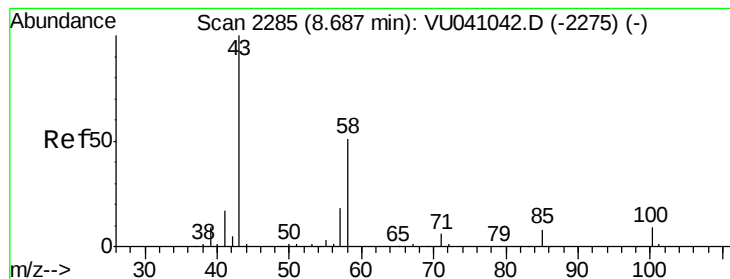
Abundance Ion 163.90 (163.60 to 164.60): V

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: 66.334 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

Tot Ion: 43 Resp: 191194

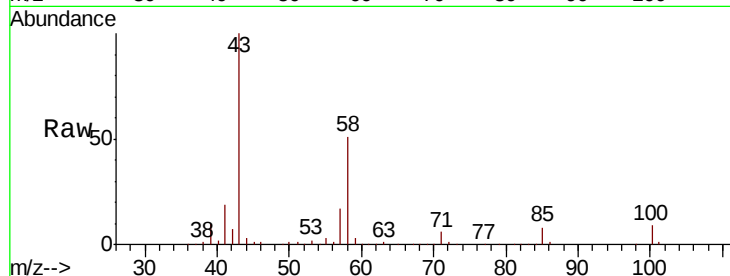
Ion Ratio Lower Upper

43 100

58 49.7 41.4 62.2

57 17.2 14.6 21.8

100 9.2 8.3 12.5

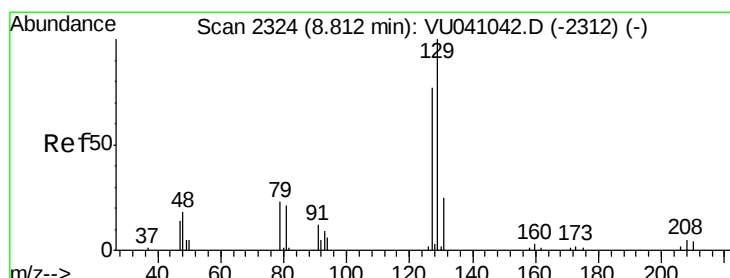
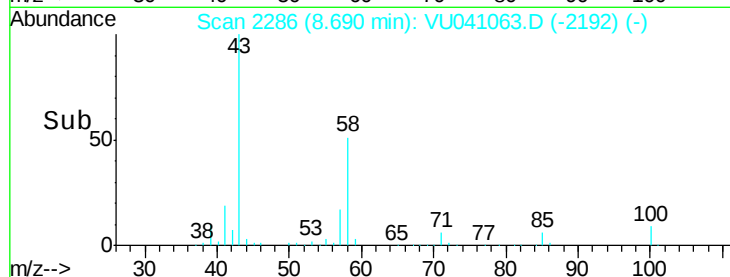
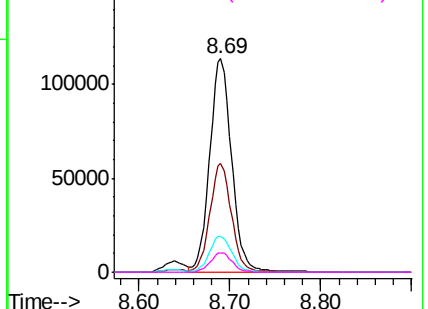


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 5.823 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU041063.D

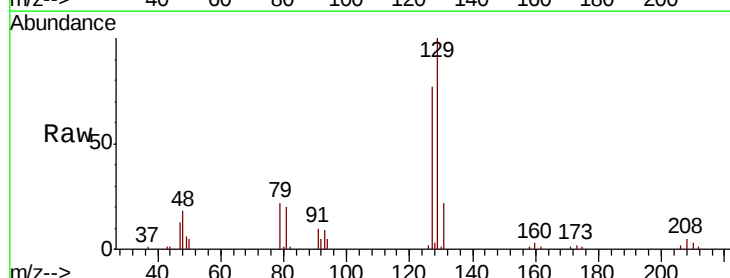
Acq: 02 Nov 2020 20:23

Tgt Ion: 129 Resp: 24166

Ion Ratio Lower Upper

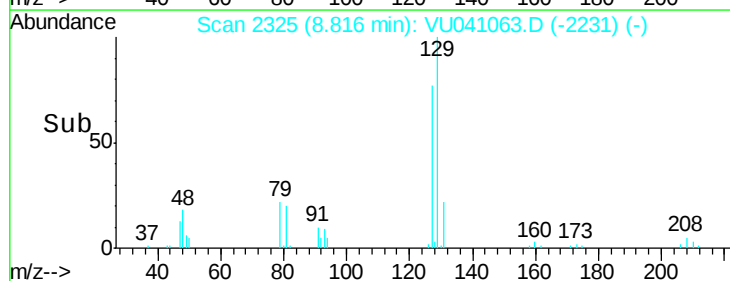
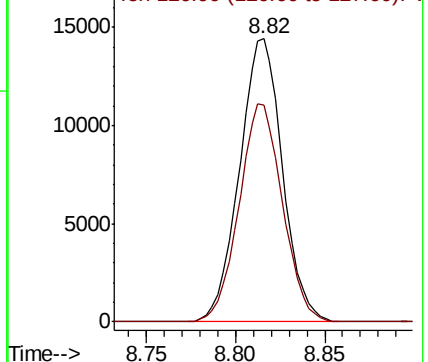
129 100

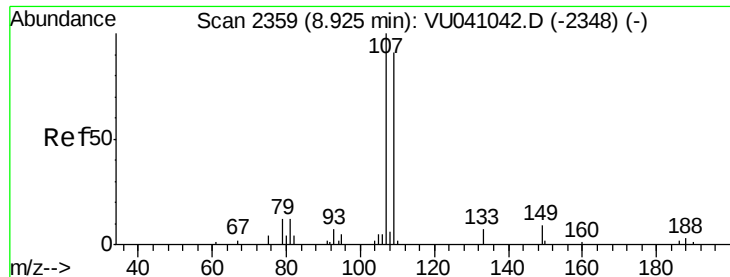
127 76.6 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

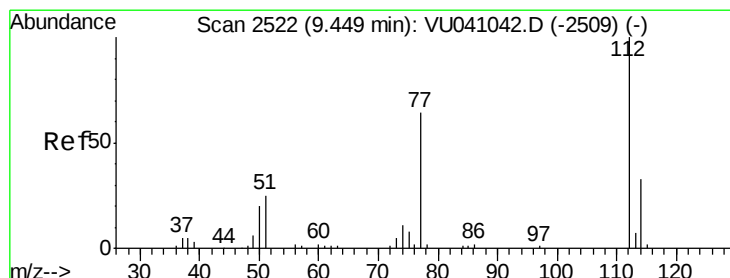
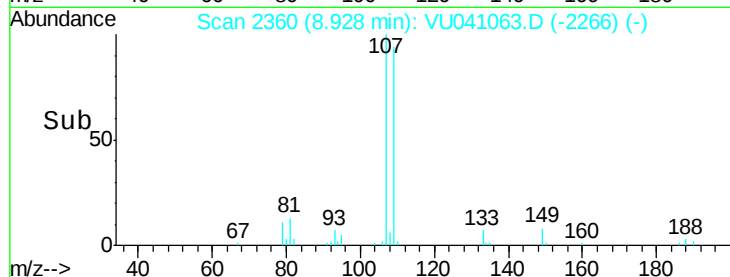
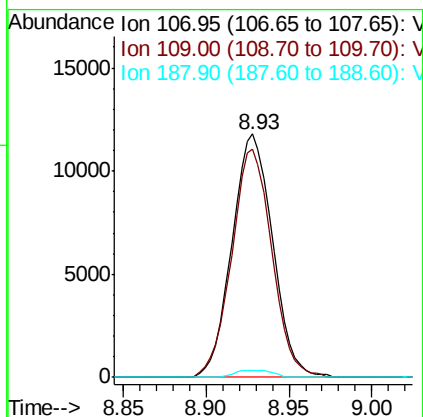
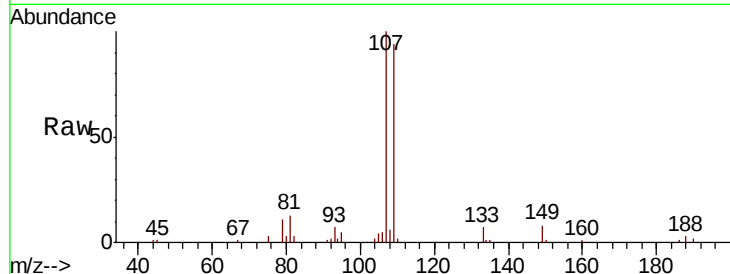




#50
1,2-Dibromoethane
Concen: 5.922 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041063.D
Acq: 02 Nov 2020 20:23

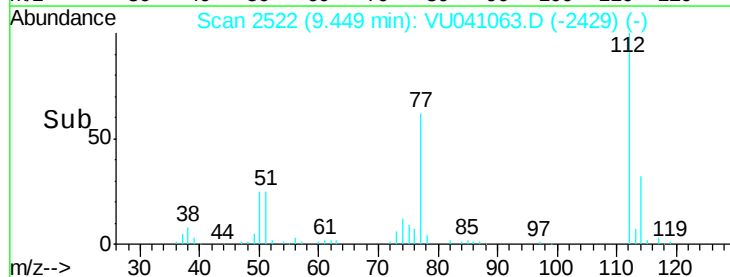
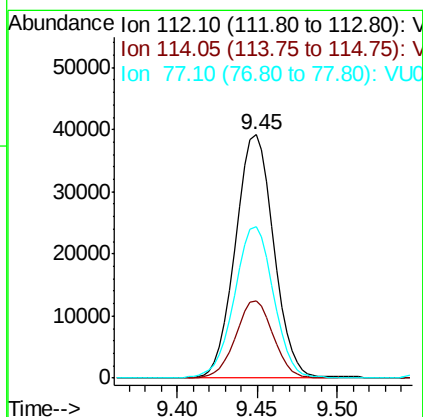
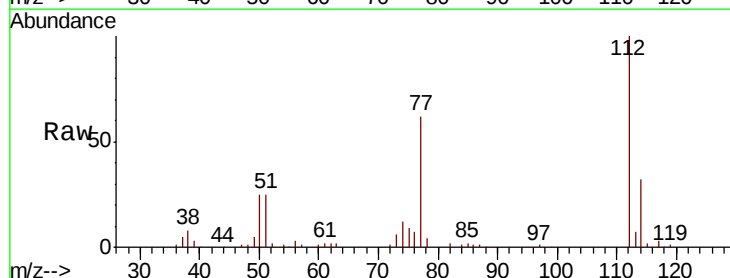
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

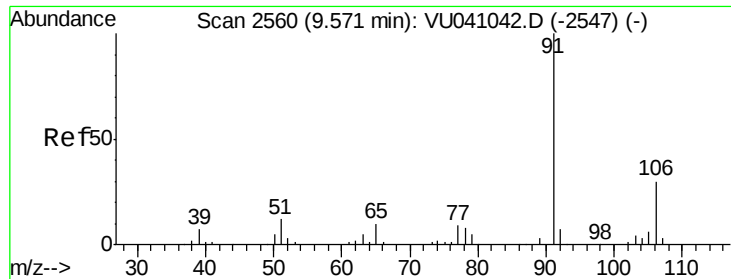
Tot Ion:107 Resp: 20168
Ion Ratio Lower Upper
107 100
109 93.7 65.6 121.8
188 2.9 2.9 4.3#



#51
Chlorobenzene
Concen: 5.599 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041063.D
Acq: 02 Nov 2020 20:23

Tgt Ion:112 Resp: 63877
Ion Ratio Lower Upper
112 100
114 31.7 22.4 41.6
77 62.2 51.2 76.8





#52

Ethylbenzene

Concen: 5.712 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

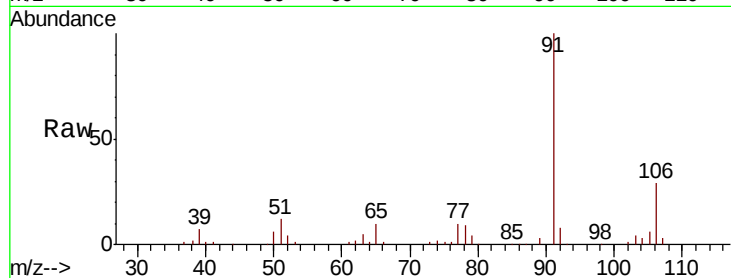
VSTD00512

Tot Ion: 91 Resp: 108171

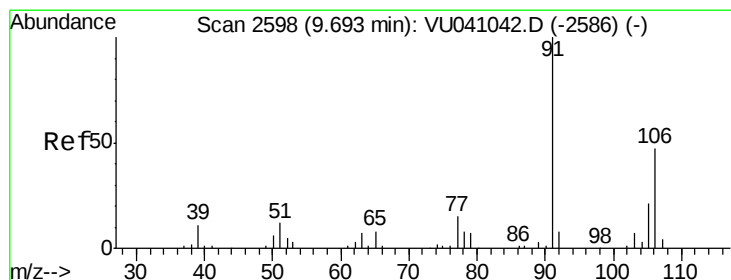
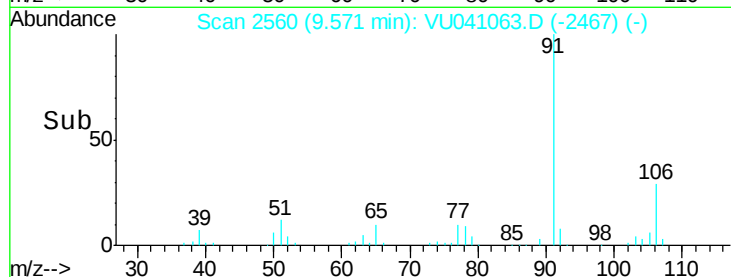
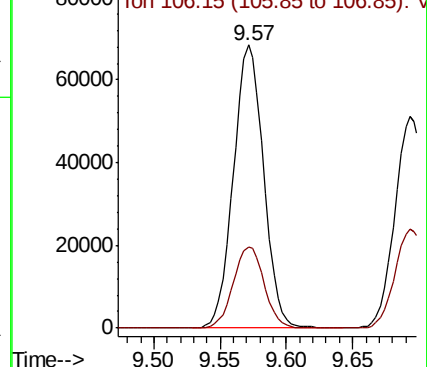
Ion Ratio Lower Upper

91 100

106 28.8 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041063.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.852 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041063.D

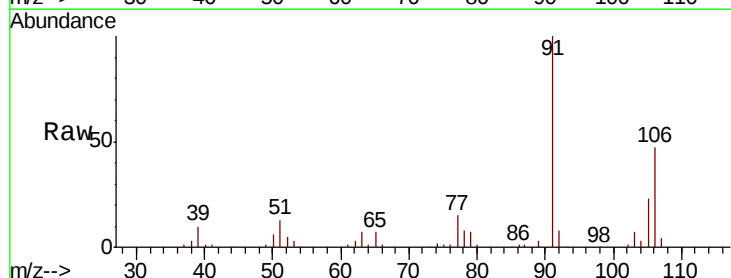
Acq: 02 Nov 2020 20:23

Tgt Ion: 106 Resp: 40420

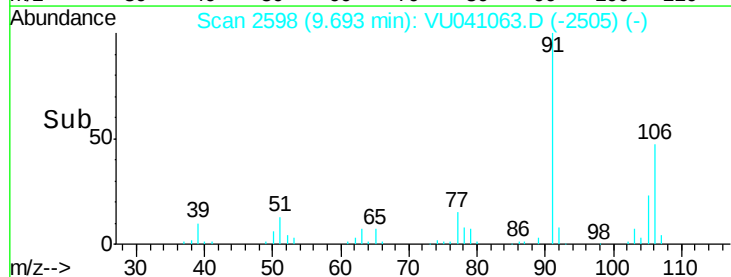
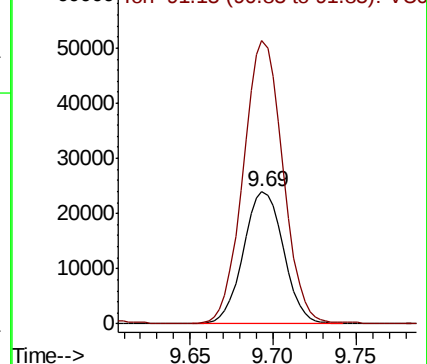
Ion Ratio Lower Upper

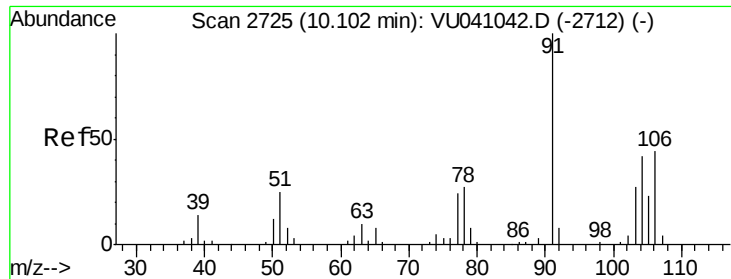
106 100

91 214.2 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041063.D (-2505) (-)

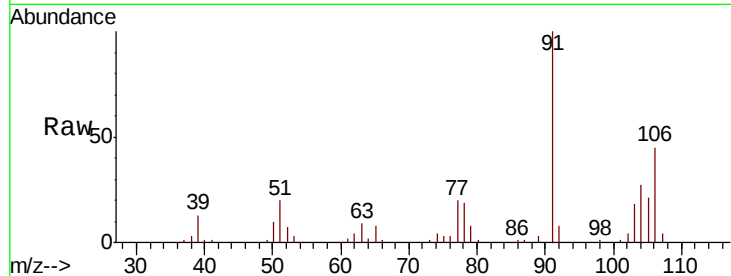




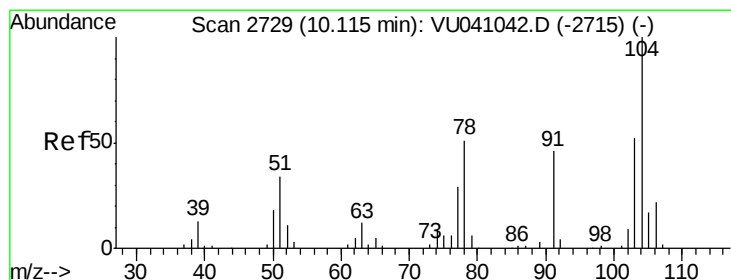
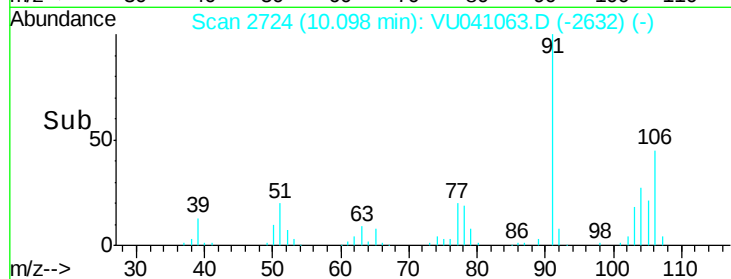
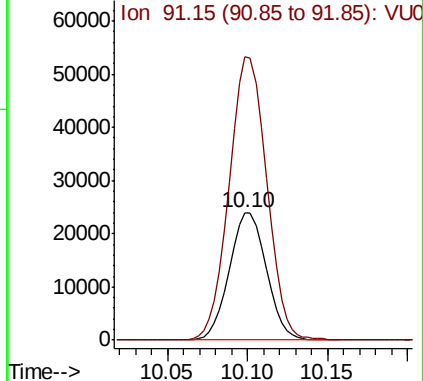
#54
o-Xylene
Concen: 5.889 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041063.D
Acq: 02 Nov 2020 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion:106 Resp: 37880
Ion Ratio Lower Upper
106 100
91 221.7 154.3 286.5

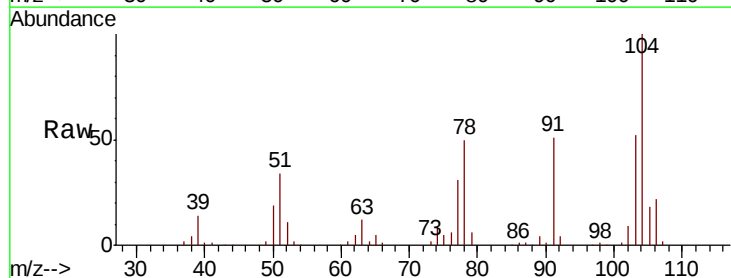


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

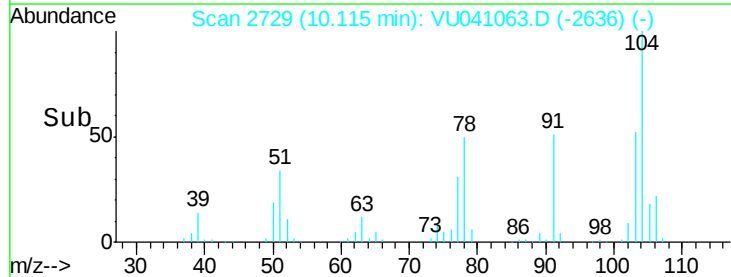
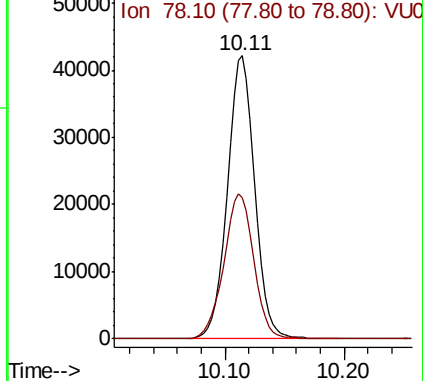


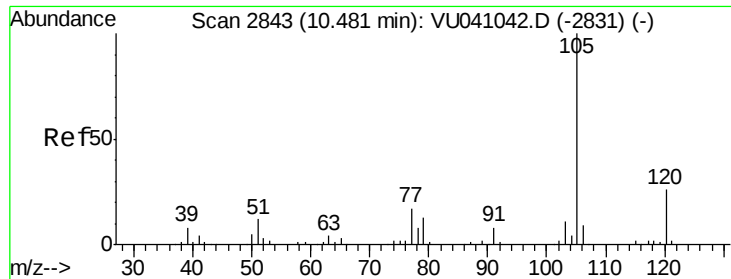
#55
Styrene
Concen: 5.838 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041063.D
Acq: 02 Nov 2020 20:23

Tgt Ion:104 Resp: 66905
Ion Ratio Lower Upper
104 100
78 50.0 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: 5.972 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

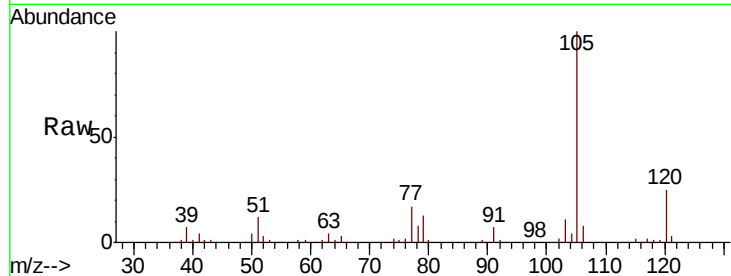
Tot Ion:105 Resp: 103296

Ion Ratio Lower Upper

105 100

120 25.3 20.7 31.1

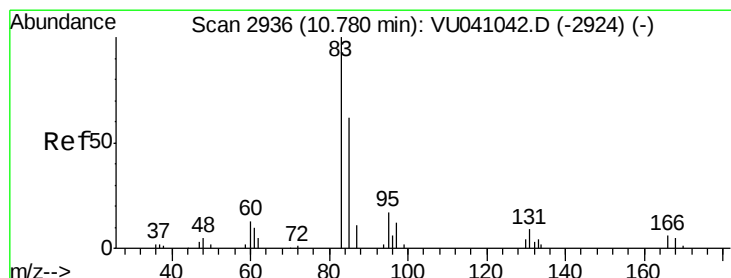
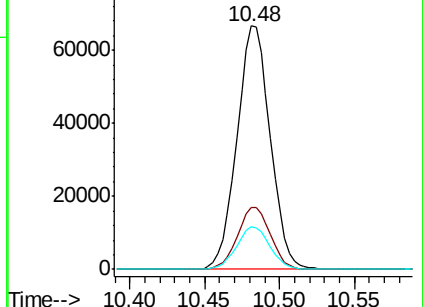
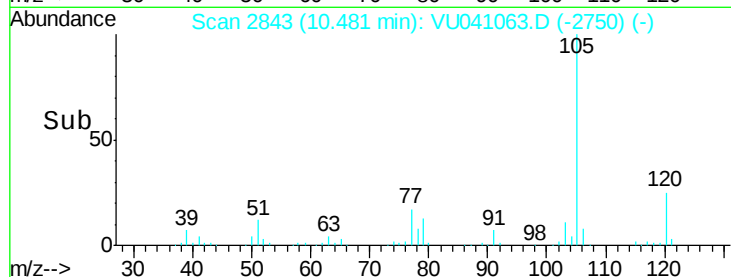
77 17.5 13.8 20.6



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: 5.916 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

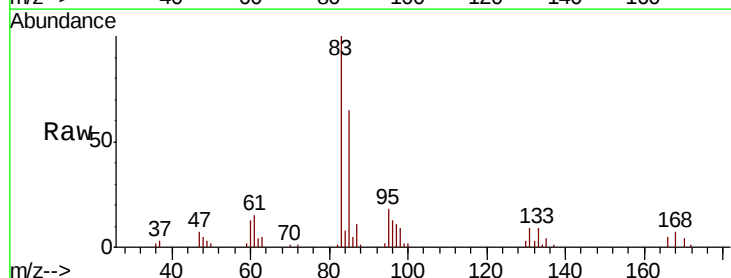
Tgt Ion: 83 Resp: 27769

Ion Ratio Lower Upper

83 100

85 65.4 44.4 82.4

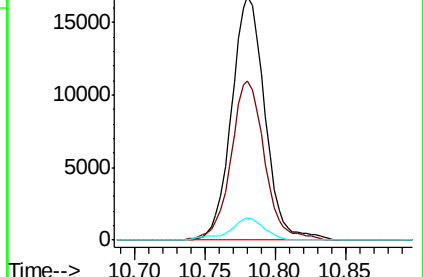
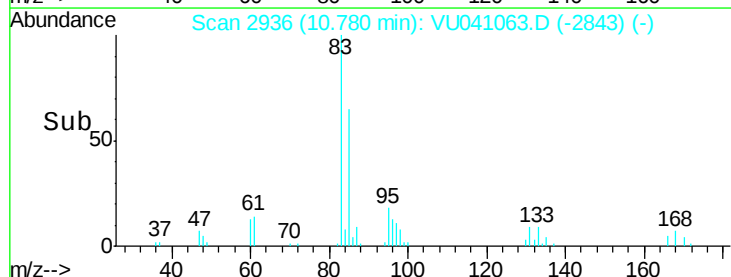
131 8.9 7.7 11.5

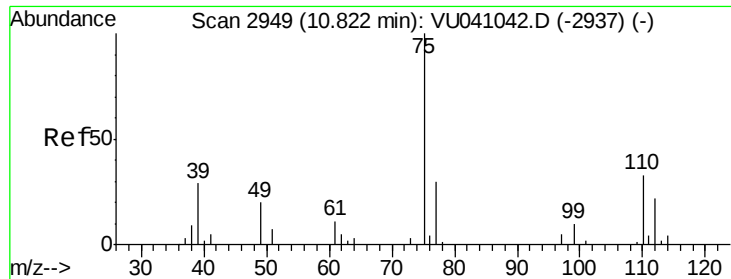


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 6.092 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

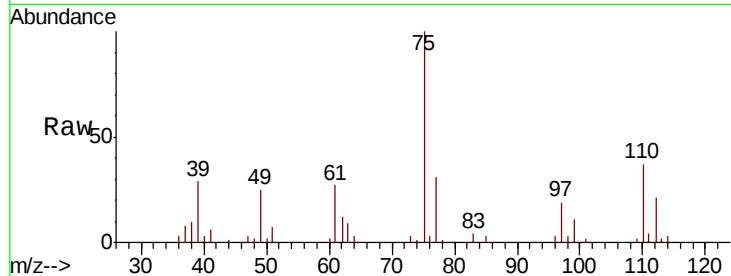
VSTD00512

Tot Ion: 75 Resp: 21799

Ion Ratio Lower Upper

75 100

77 30.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041042.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041042.D (-2937) (-)

10.82

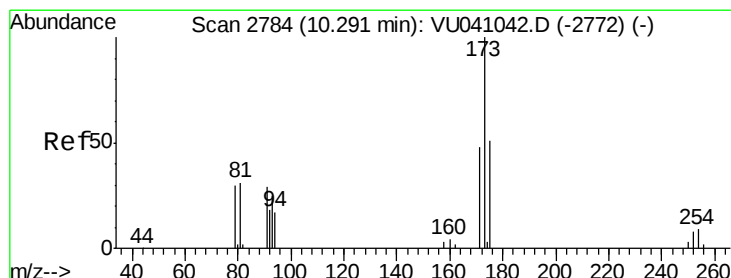
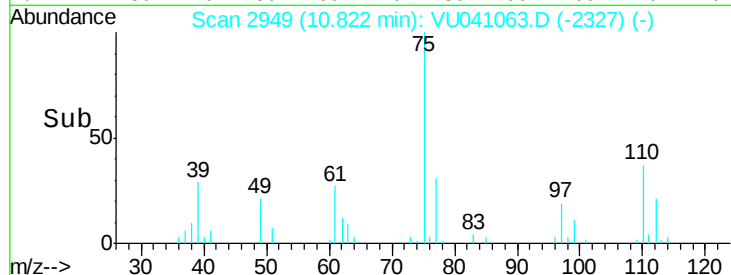
15000

10000

5000

0

Time-->



#61

Bromoform

Concen: 5.982 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

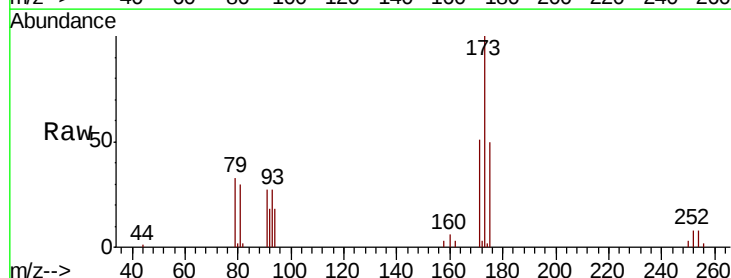
Tgt Ion: 173 Resp: 13843

Ion Ratio Lower Upper

173 100

175 48.2 37.6 56.4

254 7.5 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU041042.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041042.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041042.D (-2772) (-)

10.29

10000

8000

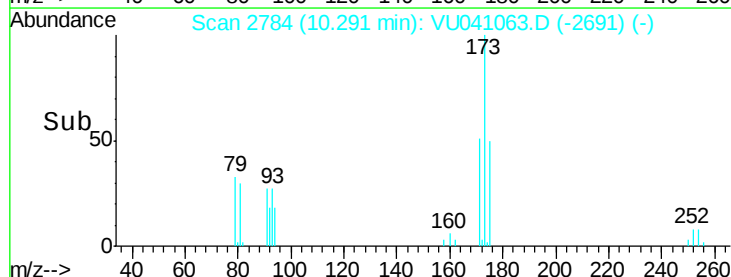
6000

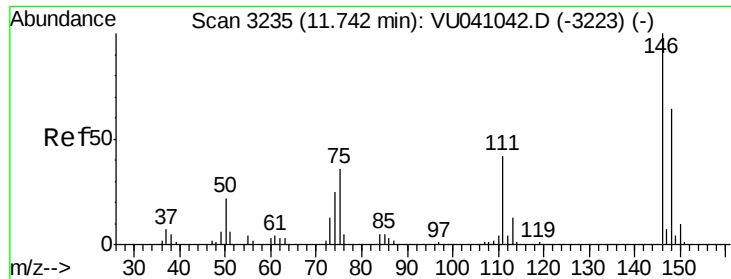
4000

2000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.666 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

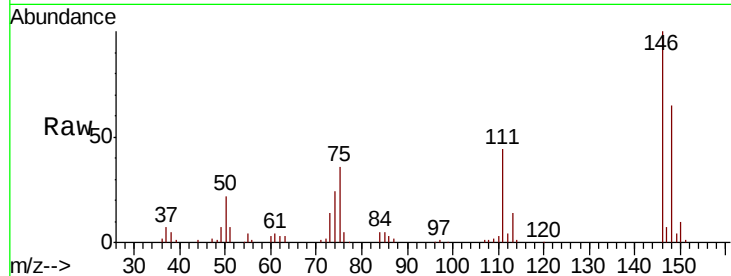
Tot Ion:146 Resp: 49114

Ion Ratio Lower Upper

146 100

111 44.5 30.9 57.3

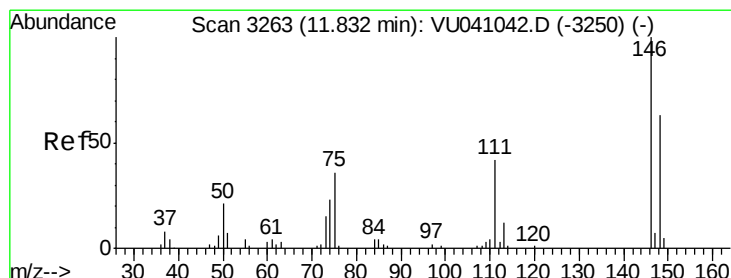
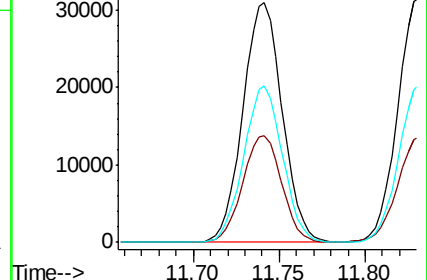
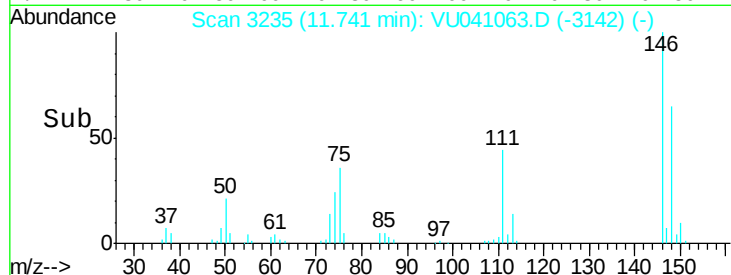
148 65.3 45.8 85.2



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: 5.672 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

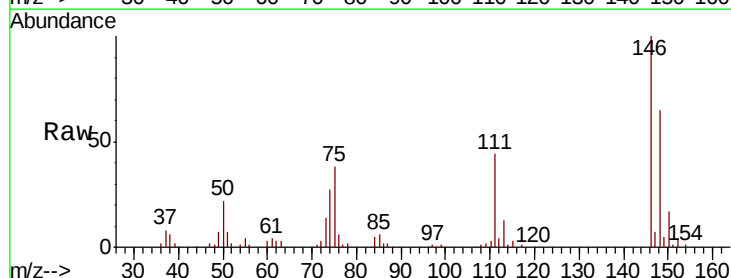
Tgt Ion:146 Resp: 50922

Ion Ratio Lower Upper

146 100

111 43.6 28.3 52.7

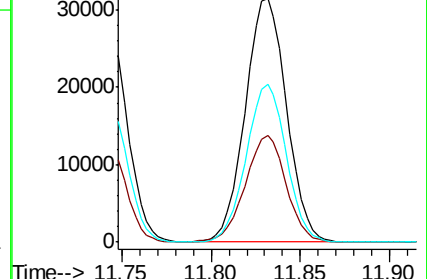
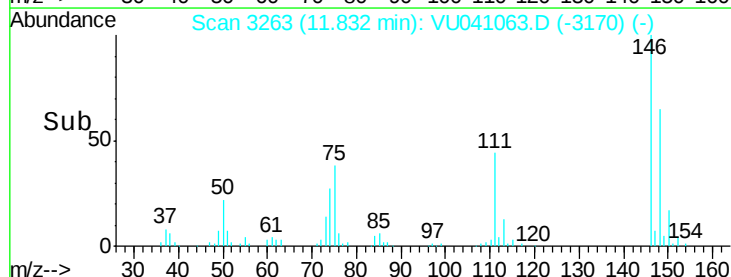
148 64.7 44.2 82.2

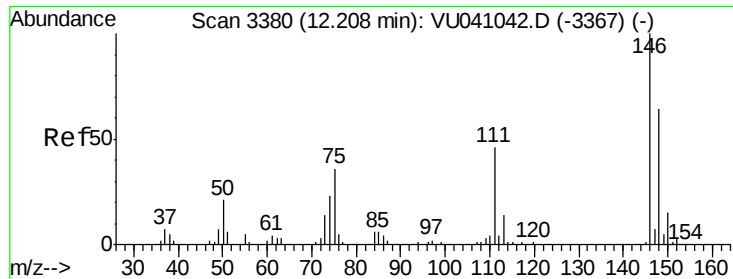


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

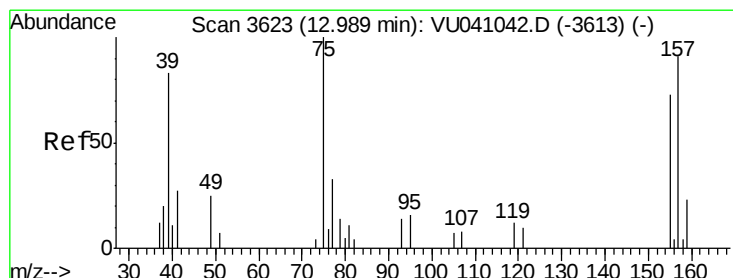
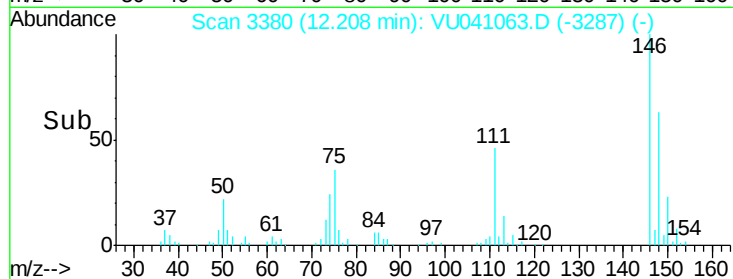
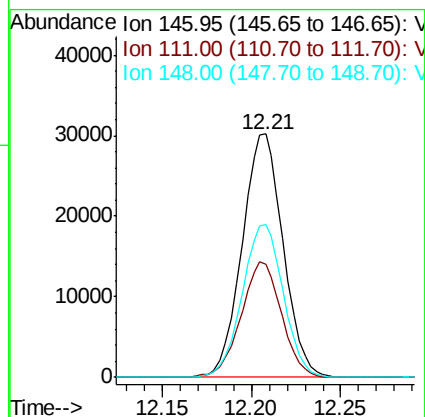
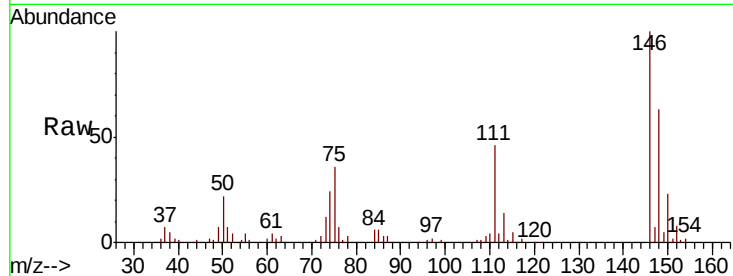




#65
 1,2-Dichlorobenzene
 Concen: 5.655 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU041063.D
 Acq: 02 Nov 2020 20:23

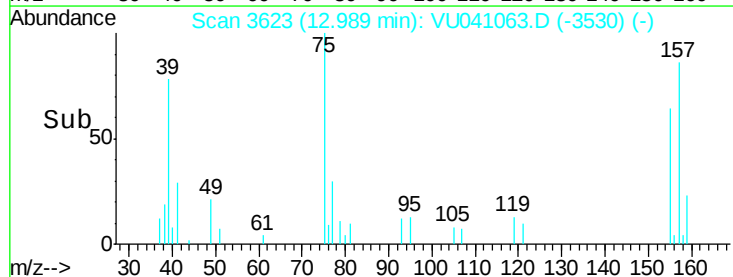
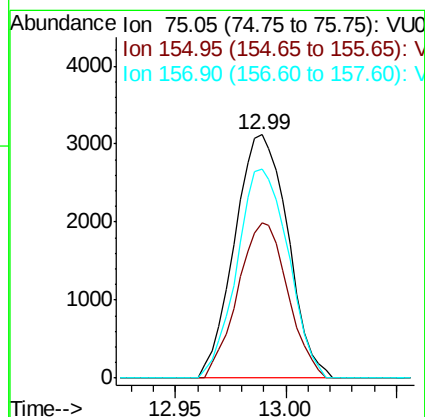
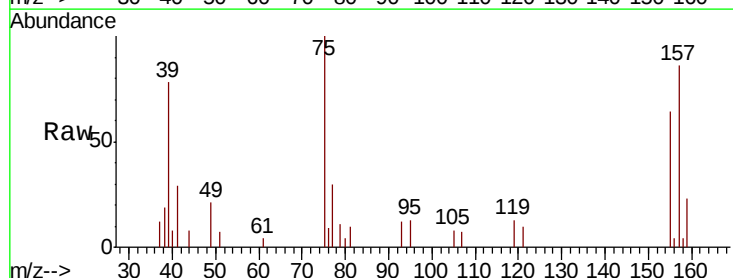
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

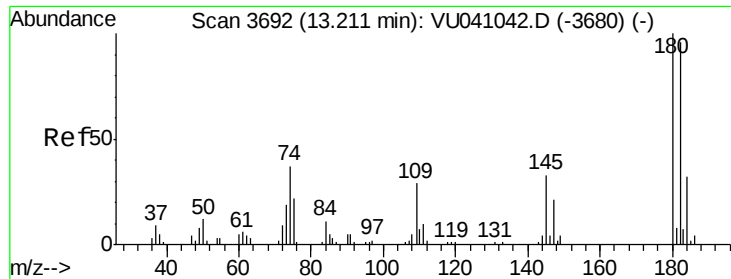
Tot Ion:146 Resp: 48372
 Ion Ratio Lower Upper
 146 100
 111 46.3 35.0 52.6
 148 62.9 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.248 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU041063.D
 Acq: 02 Nov 2020 20:23

Tgt Ion: 75 Resp: 5238
 Ion Ratio Lower Upper
 75 100
 155 63.6 61.4 92.2
 157 85.9 74.2 111.4

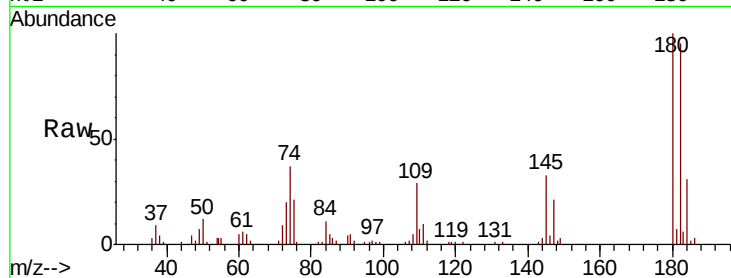




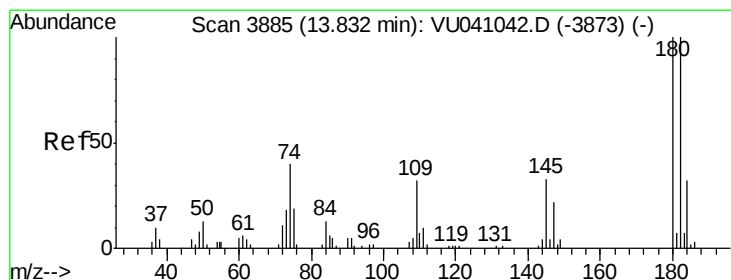
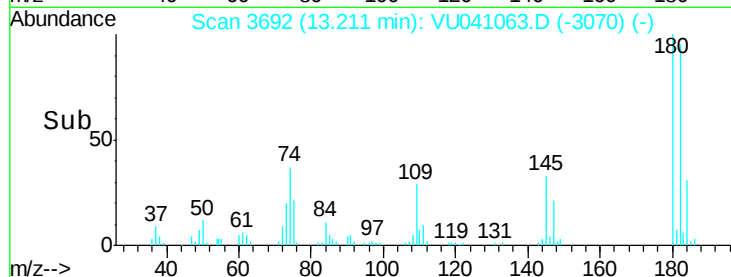
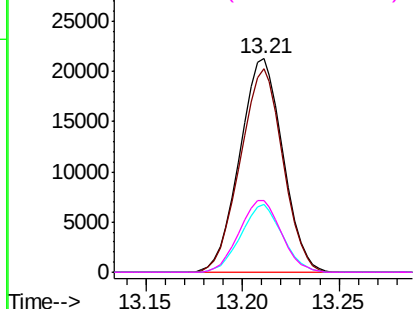
#67
 1,3,5-Trichlorobenzene
 Concen: 5.427 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041063.D
 Acq: 02 Nov 2020 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion:180 Resp: 32902
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.7 113.5
 184 30.4 23.7 35.5
 145 33.1 26.1 39.1

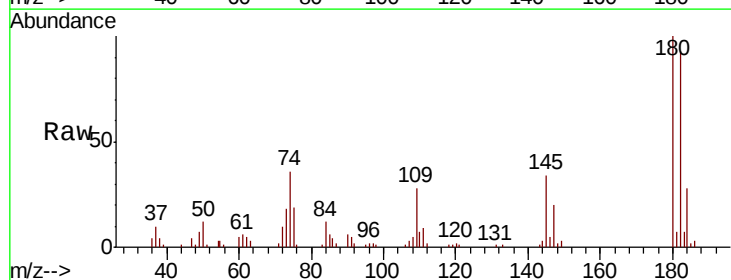


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

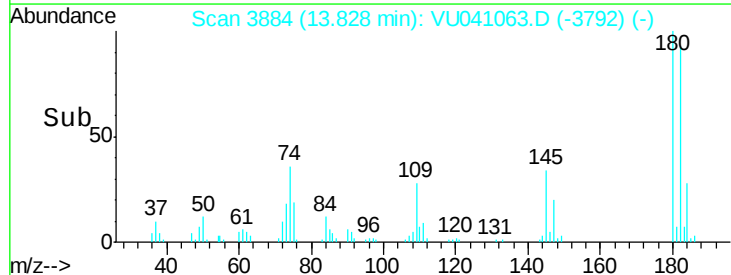
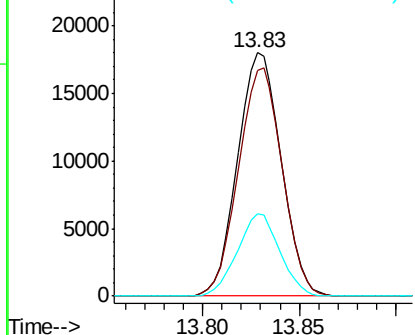


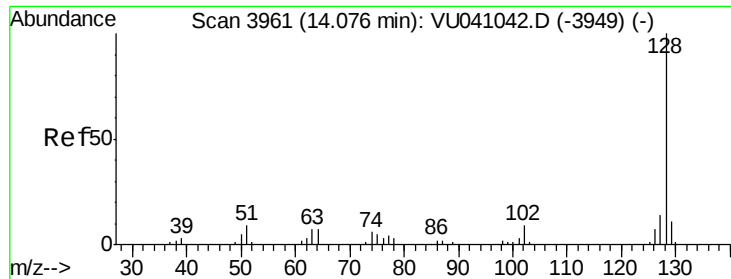
#68
 1,2,4-trichlorobenzene
 Concen: 5.607 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041063.D
 Acq: 02 Nov 2020 20:23

Tgt Ion:180 Resp: 28159
 Ion Ratio Lower Upper
 180 100
 182 94.2 73.5 110.3
 145 32.9 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: 5.765 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

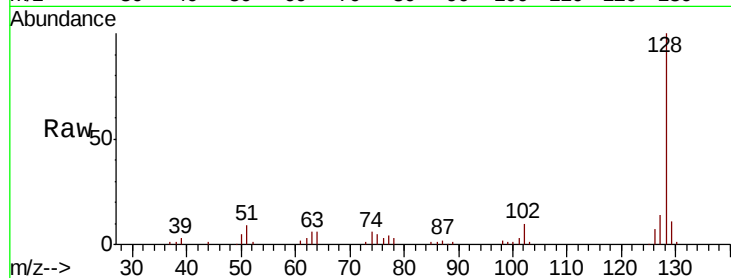
Tot Ion:128 Resp: 51773

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

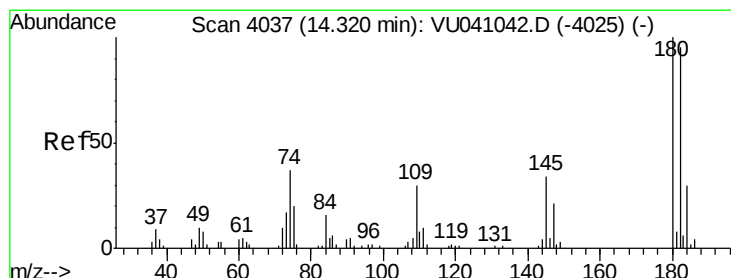
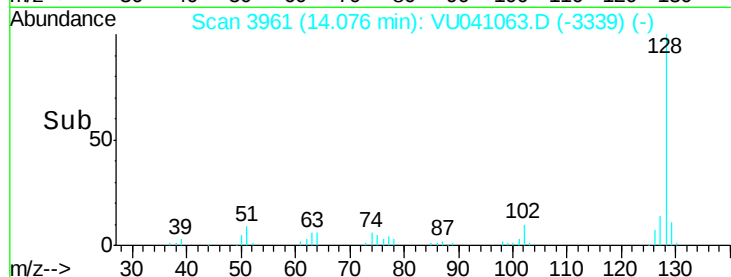
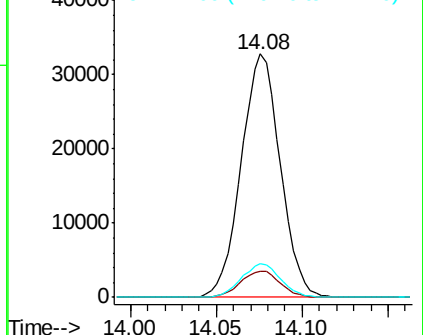
127 13.9 10.8 16.2



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: 5.982 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041063.D

Acq: 02 Nov 2020 20:23

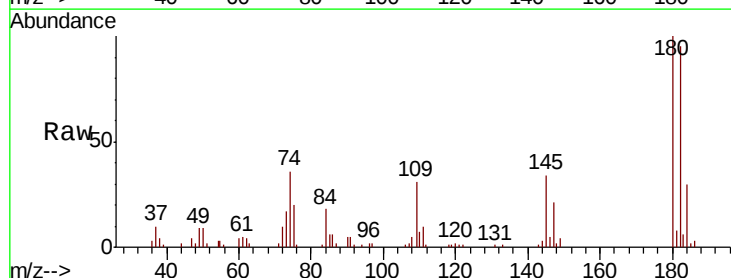
Tgt Ion:180 Resp: 27687

Ion Ratio Lower Upper

180 100

182 92.8 77.7 116.5

145 33.5 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

