

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111620\
 Data File : VU041255.D
 Acq On : 16 Nov 2020 18:03
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Quant Time: Nov 17 07:17:52 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	70070	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	67768	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	35314	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24102	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.92	69	22528	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.58	63	48697	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.40%
20) 2-Butanone-d5	4.65	46	108471	51.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.08%
24) Chloroform-d	5.08	84	56230	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.72	65	34165	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.74	84	97593	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
36) 1,2-Dichloropropane-d6	6.70	67	33500	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.90	98	89807	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
43) trans-1,3-Dichloropropene-	8.19	79	13395	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.64	63	75324	52.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.08%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	28924	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	33940	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	27639	4.779 ug/L	100
3) Chloromethane	1.53	50	30832	4.950 ug/L	99
5) Vinyl chloride	1.61	62	30845	5.071 ug/L	99
6) Bromomethane	1.87	94	17638	4.888 ug/L	93
8) Chloroethane	1.94	64	19558	4.844 ug/L	100
9) Trichlorofluoromethane	2.15	101	47269	4.989 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	24141	4.677 ug/L	94
12) 1,1-Dichloroethene	2.59	96	20548	4.505 ug/L	97
13) Acetone	2.66	43	60330	42.793 ug/L #	56
14) Carbon disulfide	2.81	76	57778	4.304 ug/L	98
15) Methyl Acetate	2.97	43	13151	4.491 ug/L	92
16) Methylene chloride	3.06	84	26671	4.664 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	63429	5.079 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	22926	5.161 ug/L	98
19) 1,1-Dichloroethane	3.89	63	53545	5.391 ug/L	99
21) 2-Butanone	4.73	43	102665	47.965 ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	27334	5.448 ug/L	95

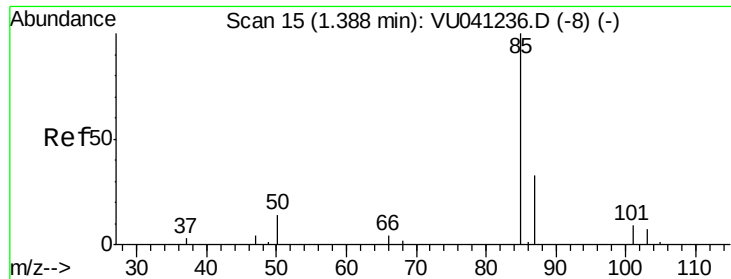
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111620\
 Data File : VU041255.D
 Acq On : 16 Nov 2020 18:03
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Quant Time: Nov 17 07:17:52 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	12819	5.153	ug/L	92
25) Chloroform	5.11	83	52422	4.867	ug/L	98
27) 1,2-Dichloroethane	5.81	62	39651	5.121	ug/L #	95
29) 1,1,1-Trichloroethane	5.33	97	44838	5.413	ug/L	96
30) Cyclohexane	5.40	56	38439	5.616	ug/L	98
31) Carbon tetrachloride	5.54	117	40527	5.642	ug/L	98
33) Benzene	5.79	78	104399	5.685	ug/L	100
34) Trichloroethene	6.55	95	26833	5.406	ug/L	97
35) Methylcyclohexane	6.77	83	35123	5.327	ug/L	99
37) 1,2-Dichloropropane	6.81	63	30099	5.607	ug/L #	97
38) Bromodichloromethane	7.11	83	36934	5.264	ug/L	94
39) cis-1,3-Dichloropropene	7.62	75	39356	5.256	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	214871	48.369	ug/L	99
42) Toluene	7.97	91	106575	5.430	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	36693	5.181	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	20351	4.902	ug/L	96
47) Tetrachloroethene	8.56	164	19421	5.295	ug/L	89
48) 2-Hexanone	8.69	43	166795	50.298	ug/L	99
49) Dibromochloromethane	8.81	129	26116	5.309	ug/L	98
50) 1,2-Dibromoethane	8.93	107	20088	5.216	ug/L	100
51) Chlorobenzene	9.45	112	66053	5.081	ug/L	98
52) Ethylbenzene	9.57	91	105575	5.037	ug/L	98
53) m,p-Xylene	9.69	106	39885	5.266	ug/L	96
54) o-Xylene	10.10	106	38626	5.294	ug/L	100
55) Styrene	10.11	104	69147	5.352	ug/L	99
56) Isopropylbenzene	10.48	105	105143	5.440	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	26309	4.848	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	20943	4.947	ug/L	96
61) Bromoform	10.29	173	14897	4.607	ug/L	95
62) 1,3-Dichlorobenzene	11.74	146	54226	5.103	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	55189	5.041	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	50739	4.801	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	5171	5.270	ug/L	97
67) 1,3,5-Trichlorobenzene	13.21	180	38276	5.057	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	33817	5.379	ug/L	98
69) Naphthalene	14.08	128	53957	5.301	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	32175	5.511	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.779 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

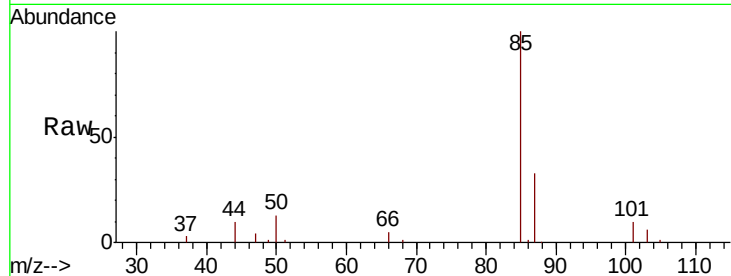
VSTD00523

Tot Ion: 85 Resp: 27639

Ion Ratio Lower Upper

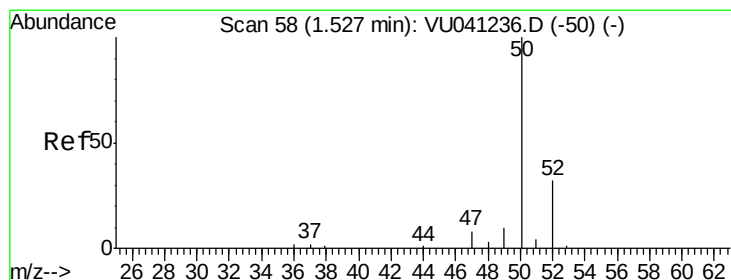
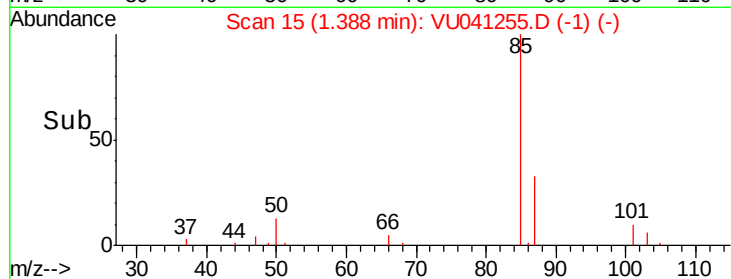
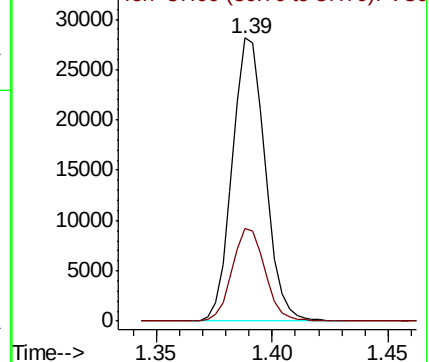
85 100

87 32.4 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: 4.950 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041255.D

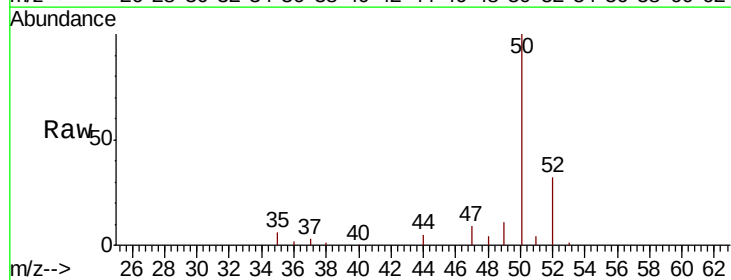
Acq: 16 Nov 2020 18:03

Tgt Ion: 50 Resp: 30832

Ion Ratio Lower Upper

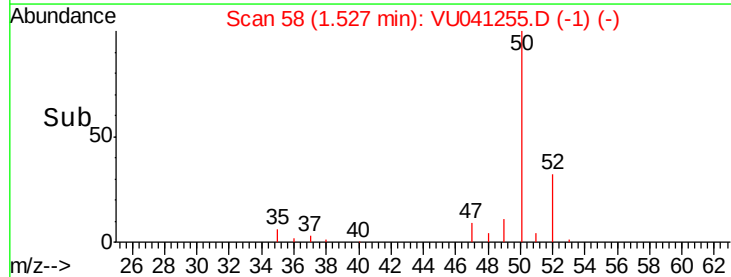
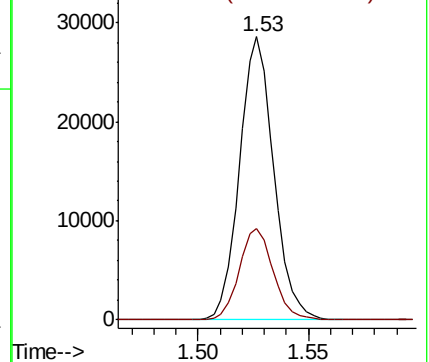
50 100

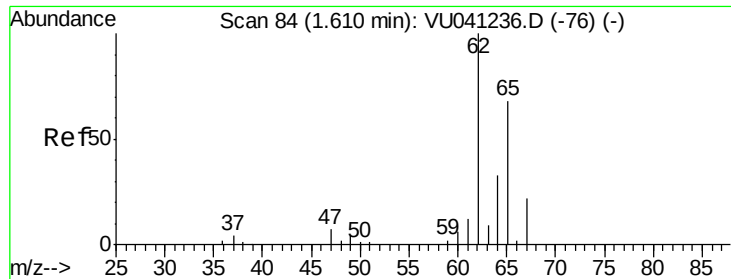
52 32.4 22.4 41.6



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: 5.071 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

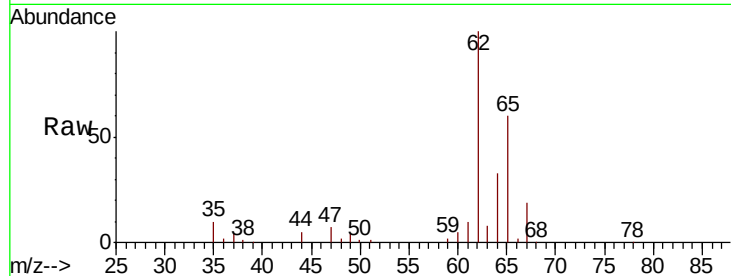
VSTD00523

Tot Ion: 62 Resp: 30845

Ion Ratio Lower Upper

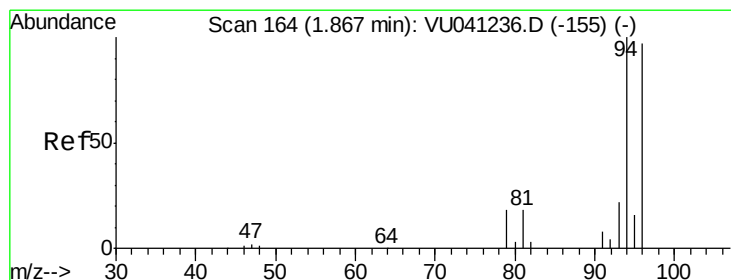
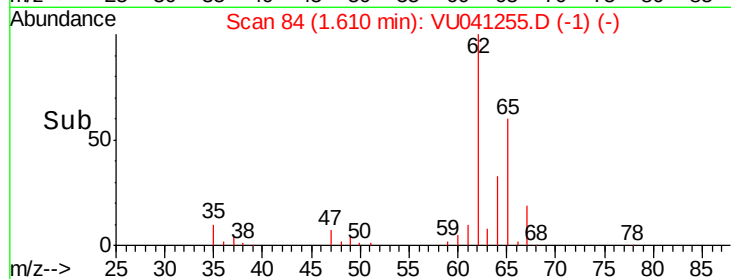
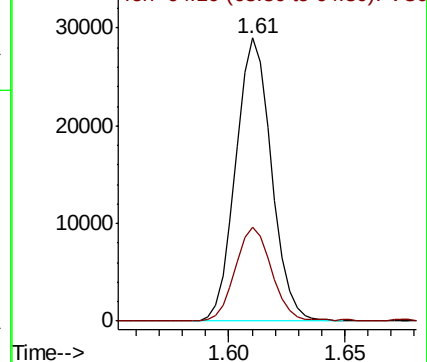
62 100

64 33.2 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: 4.888 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041255.D

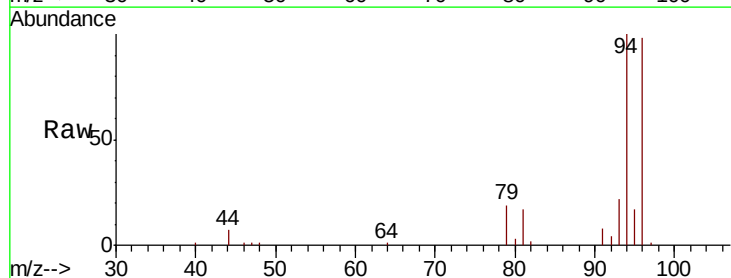
Acq: 16 Nov 2020 18:03

Tgt Ion: 94 Resp: 17638

Ion Ratio Lower Upper

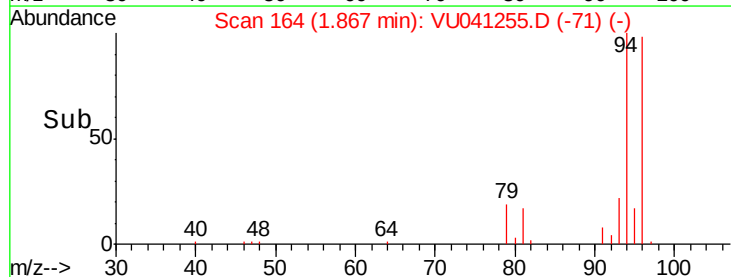
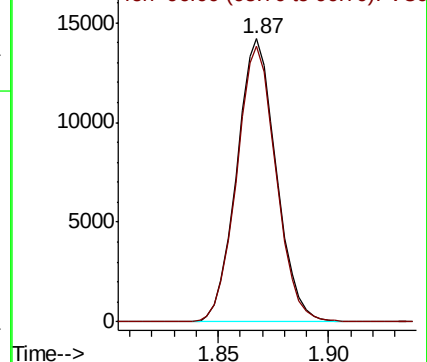
94 100

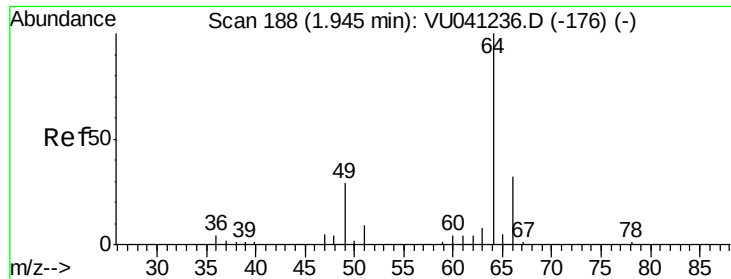
96 97.6 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

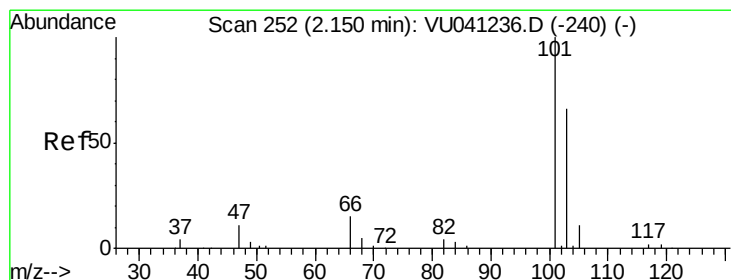
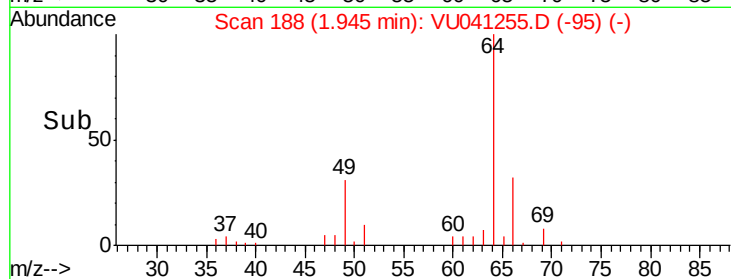
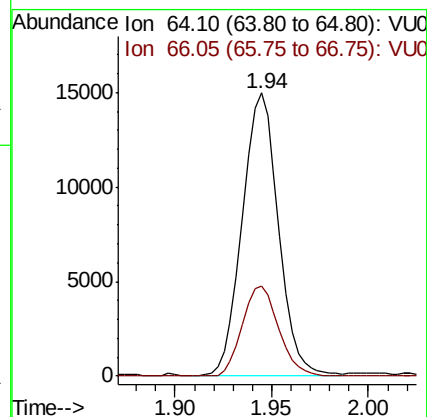
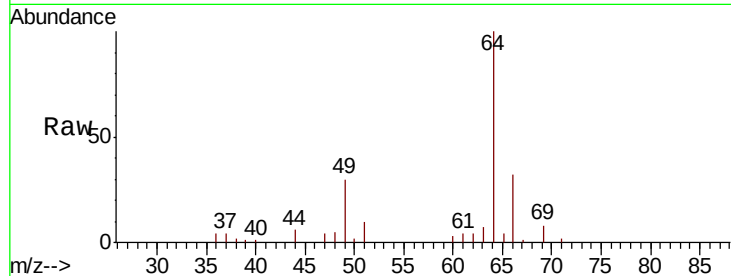




#8
Chloroethane
Concen: 4.844 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU041255.D
Acq: 16 Nov 2020 18:03

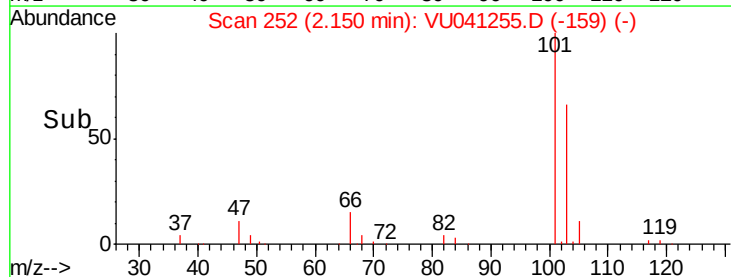
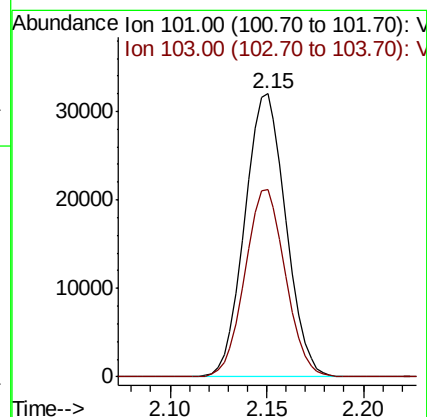
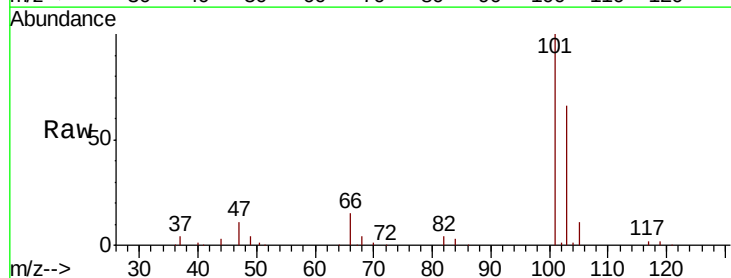
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

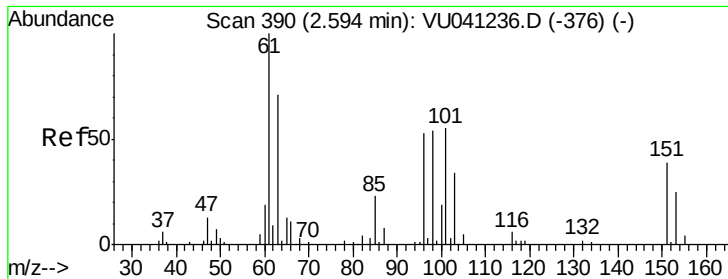
Tot Ion: 64 Resp: 19558
Ion Ratio Lower Upper
64 100
66 31.8 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.989 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU041255.D
Acq: 16 Nov 2020 18:03

Tgt Ion: 101 Resp: 47269
Ion Ratio Lower Upper
101 100
103 65.2 51.0 76.4





#10

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

Concen: 4.677 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

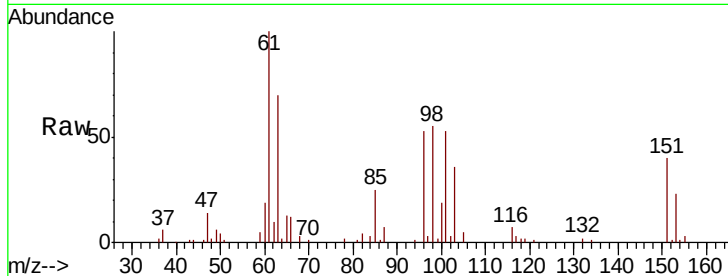
Tot Ion:101 Resp: 24141

Ion Ratio Lower Upper

101 100

85 48.7 35.0 52.4

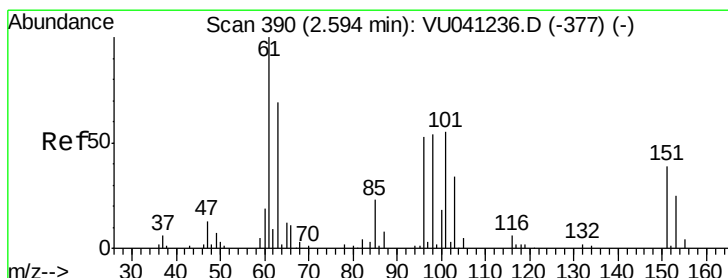
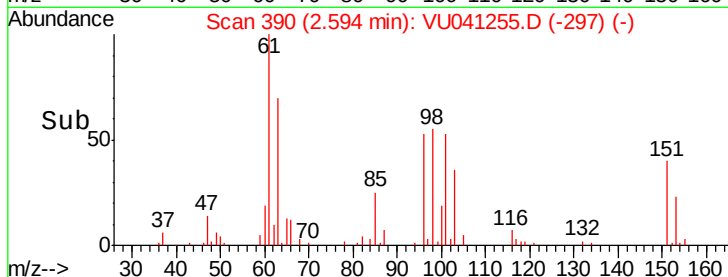
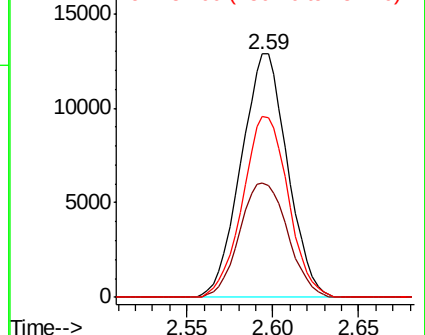
151 73.0 55.3 82.9



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: 4.505 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

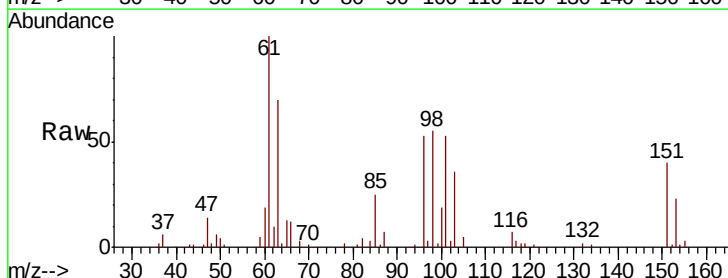
Tgt Ion: 96 Resp: 20548

Ion Ratio Lower Upper

96 100

61 187.7 134.3 249.5

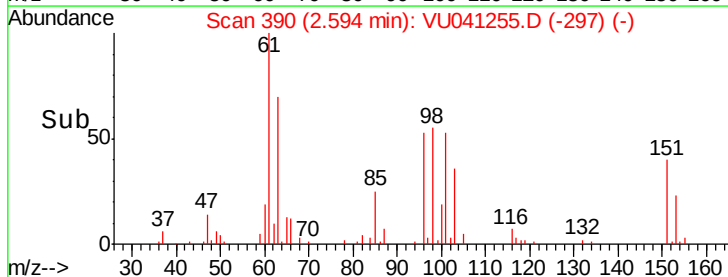
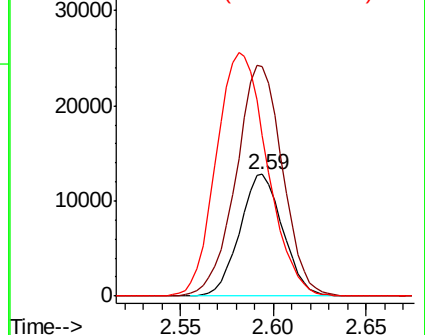
63 131.3 95.0 176.4

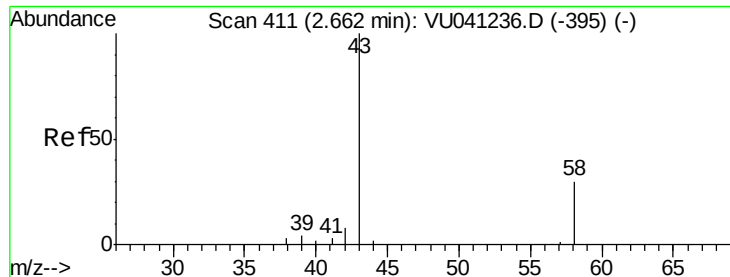


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 42.793 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

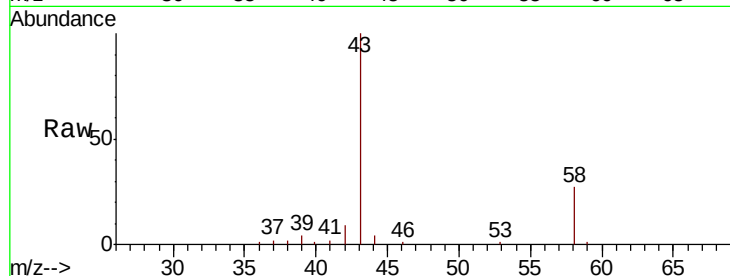
VSTD00523

Tot Ion: 43 Resp: 60330

Ion Ratio Lower Upper

43 100

58 30.0 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041236.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041236.D (-395) (-)

2.66

20000

15000

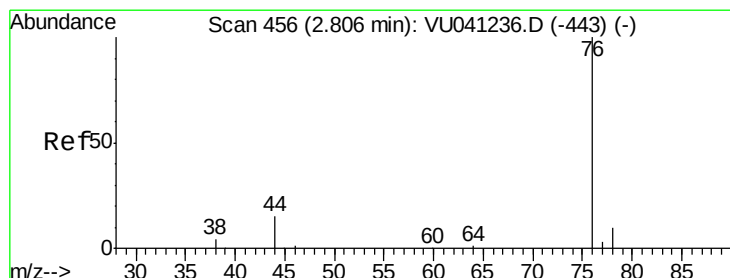
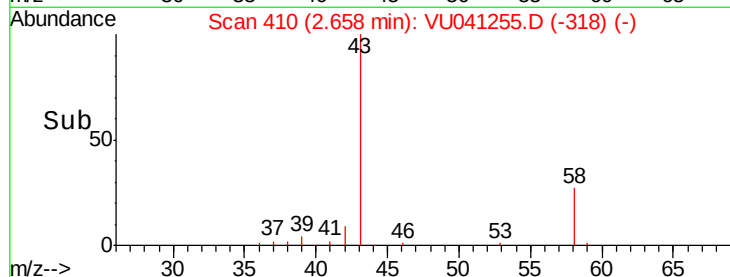
10000

5000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 4.304 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041255.D

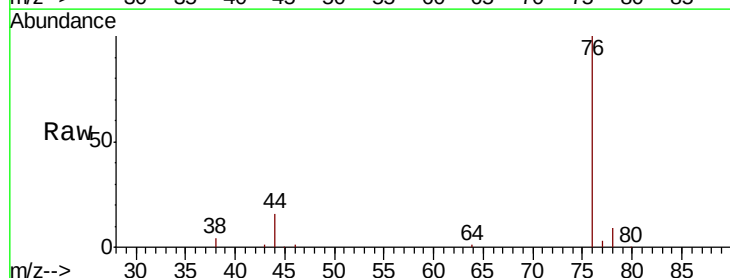
Acq: 16 Nov 2020 18:03

Tgt Ion: 76 Resp: 57778

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041236.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041236.D (-443) (-)

2.81

40000

30000

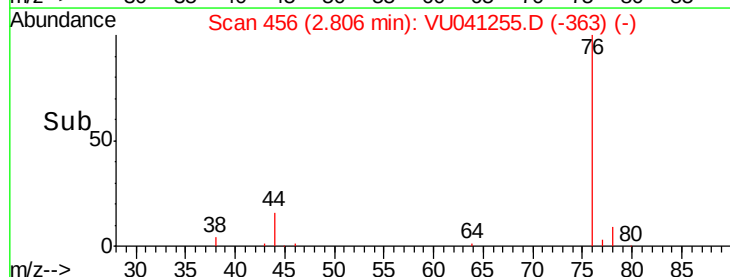
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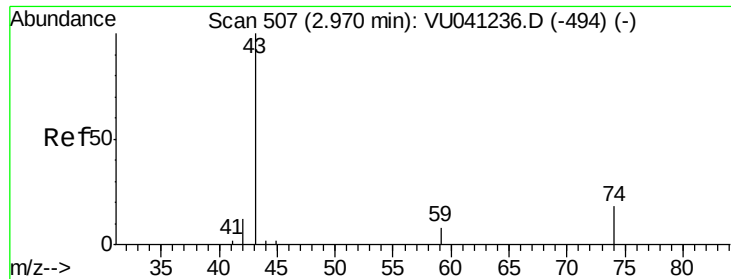
10000

0

2.75 2.80 2.85 2.90

Time-->





#15

Methvl Acetate

Concen: 4.491 ug/L

RT: 2.97 min Scan# 506

Delta R.T. -0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

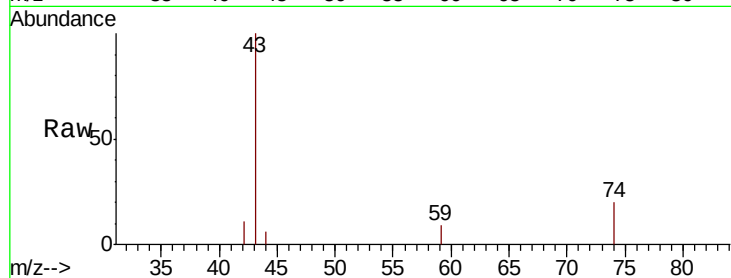
VSTD00523

Tot Ion: 43 Resp: 13151

Ion Ratio Lower Upper

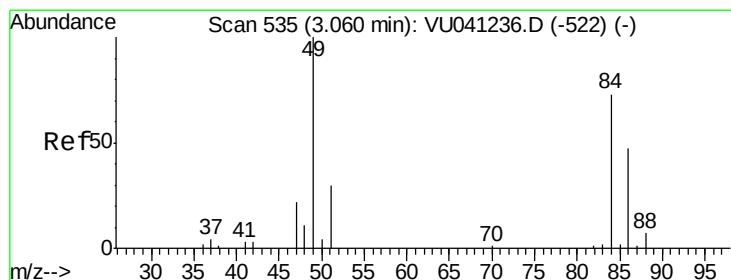
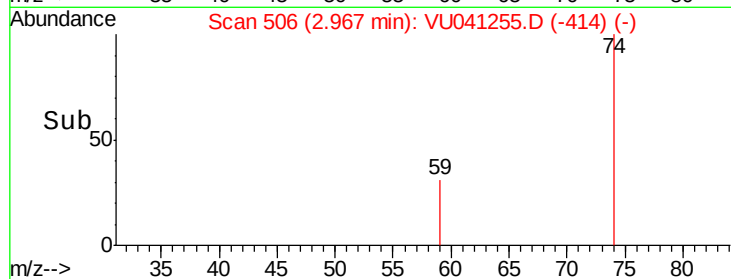
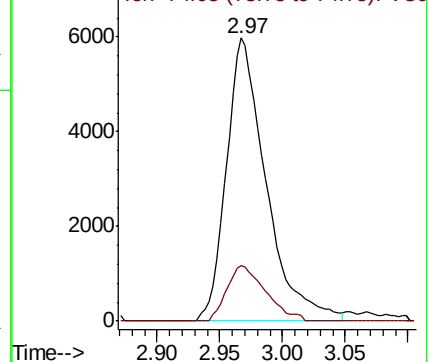
43 100

74 19.2 18.3 27.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.664 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

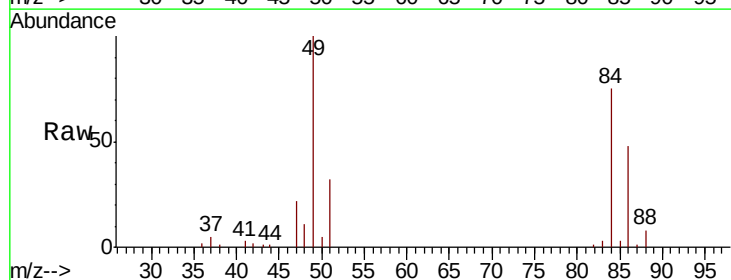
Tgt Ion: 84 Resp: 26671

Ion Ratio Lower Upper

84 100

86 64.4 42.8 79.6

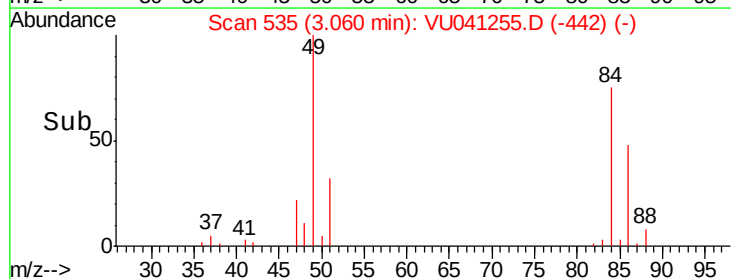
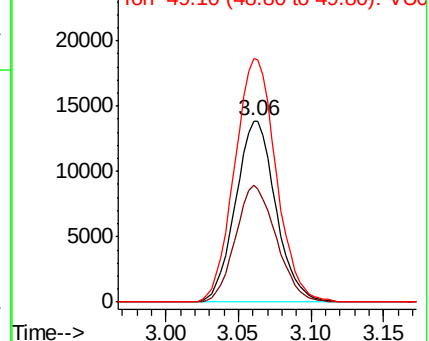
49 134.2 99.5 184.7

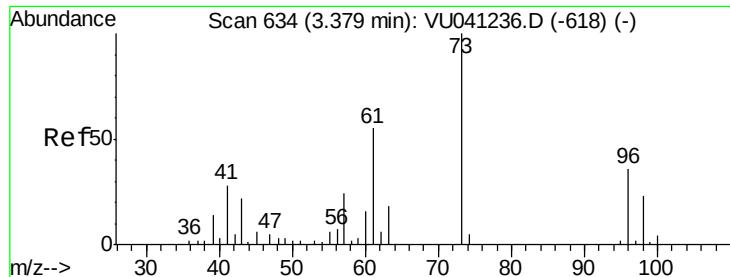


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

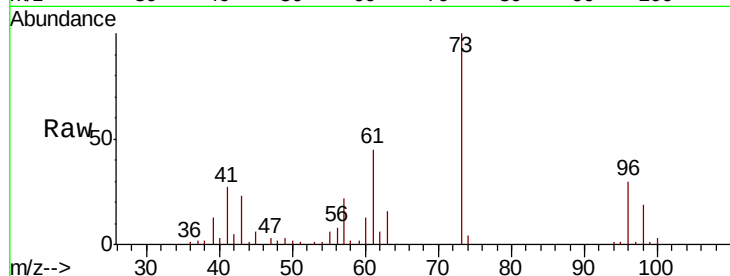




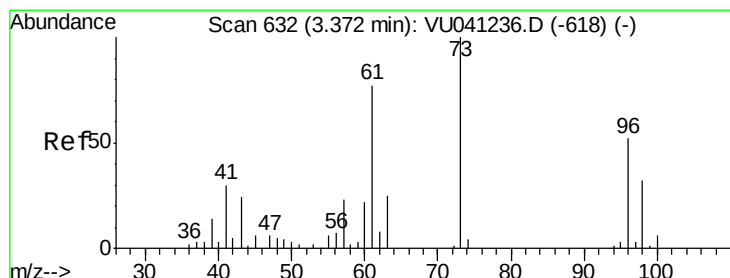
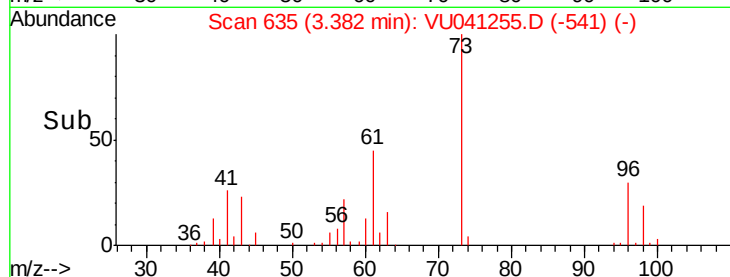
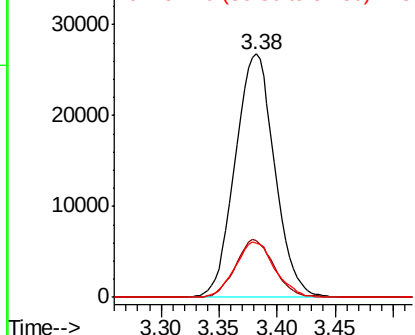
#17
Methyl tert-butyl Ether
Concen: 5.079 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041255.D
Acq: 16 Nov 2020 18:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tot Ion: 73 Resp: 63429
Ion Ratio Lower Upper
73 100
43 22.9 18.5 27.7
57 22.8 18.4 27.6

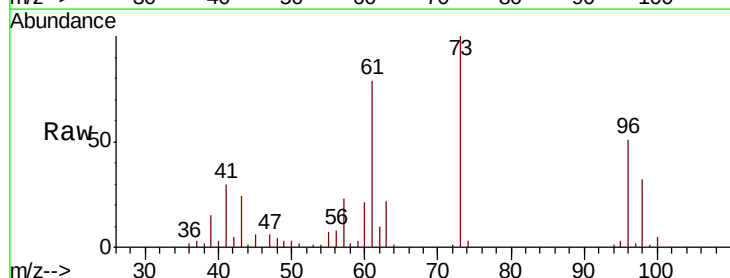


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

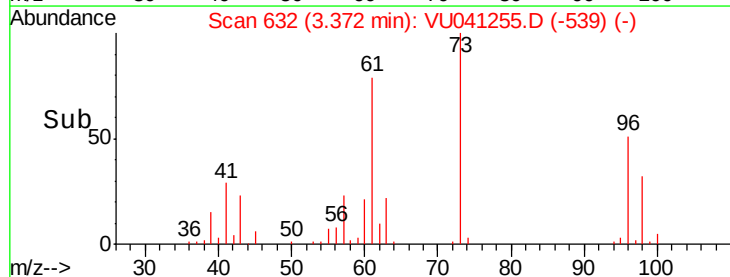
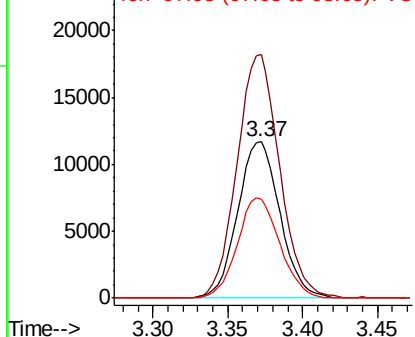


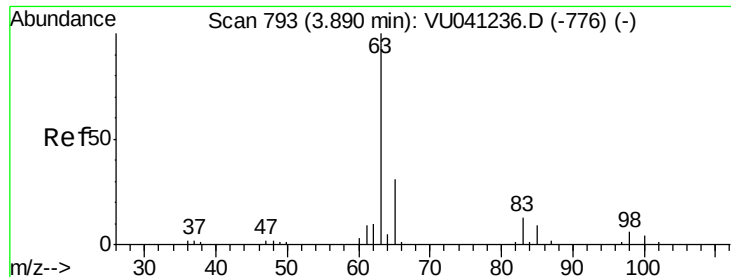
#18
trans-1,2-Dichloroethene
Concen: 5.161 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU041255.D
Acq: 16 Nov 2020 18:03

Tgt Ion: 96 Resp: 22926
Ion Ratio Lower Upper
96 100
61 155.9 110.9 205.9
98 63.5 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

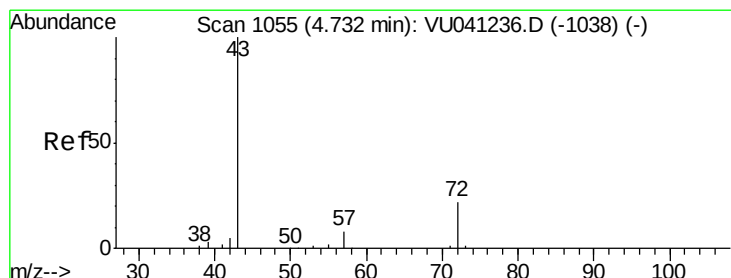
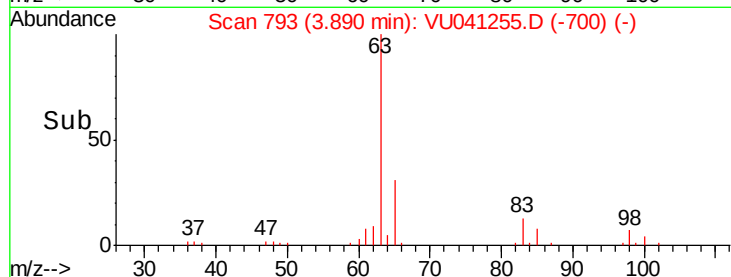
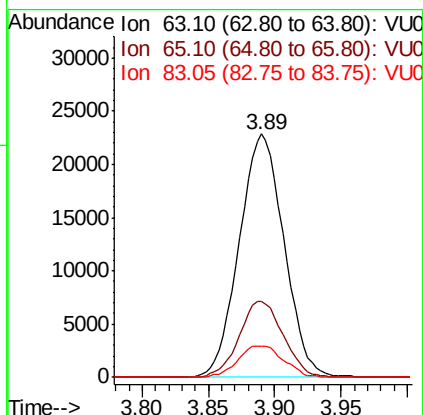
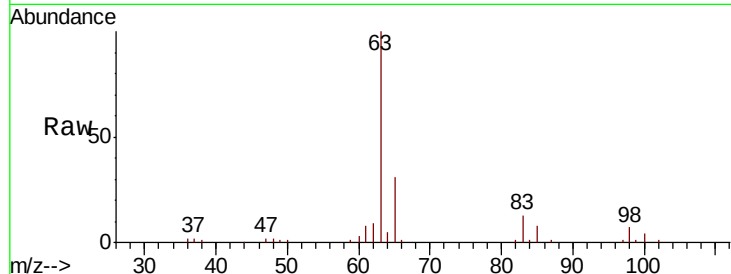




#19
 1,1-Dichloroethane
 Concen: 5.391 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041255.D
 Acq: 16 Nov 2020 18:03

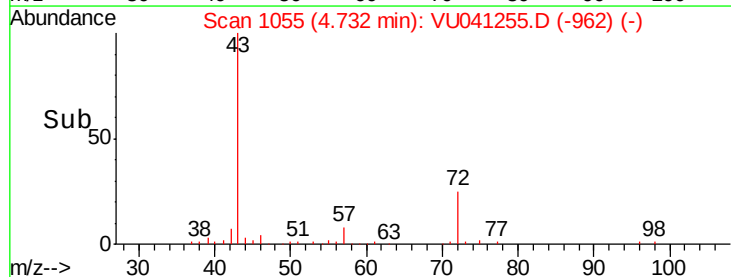
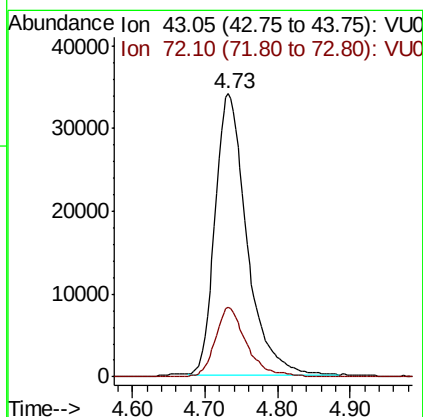
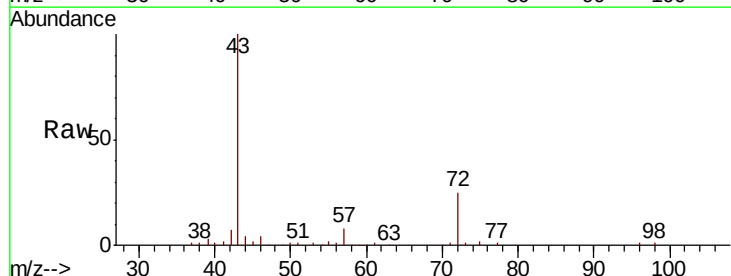
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

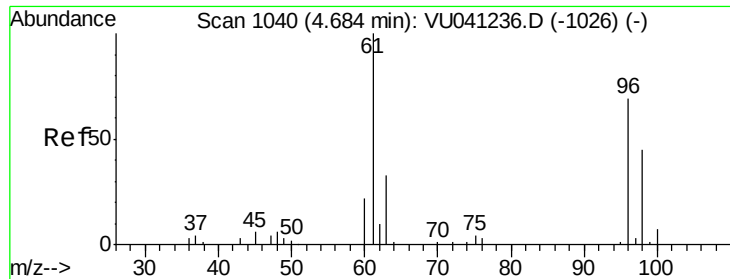
Tot Ion: 63 Resp: 53545
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.3 39.6
 83 12.9 8.8 16.3



#21
 2-Butanone
 Concen: 47.965 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VU041255.D
 Acq: 16 Nov 2020 18:03

Tgt Ion: 43 Resp: 102665
 Ion Ratio Lower Upper
 43 100
 72 24.6 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 5.448 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

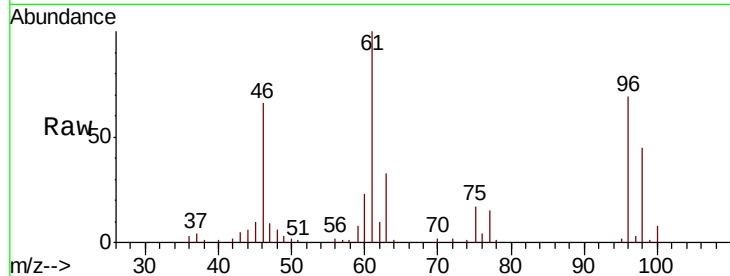
Tot Ion: 96 Resp: 27334

Ion Ratio Lower Upper

96 100

61 144.5 97.2 180.4

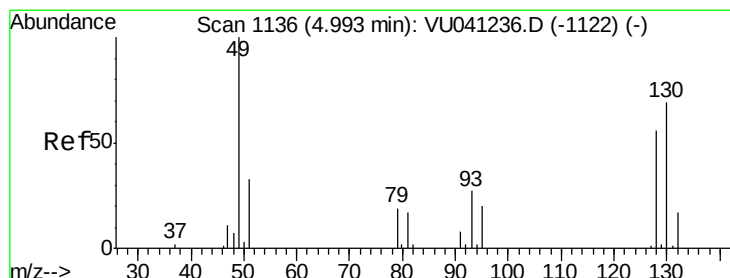
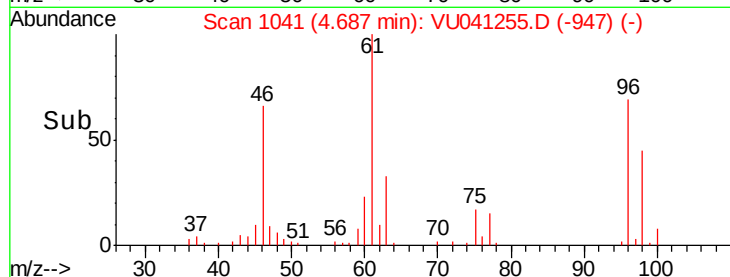
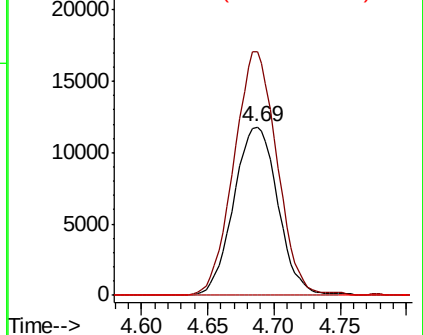
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041236.D (-1026) (-)

Ion 61.05 (60.75 to 61.75): VU041236.D (-1026) (-)

Ion 68.15 (67.85 to 68.85): VU041236.D (-1026) (-)



#23

Bromochloromethane

Concen: 5.153 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Tgt Ion: 128 Resp: 12819

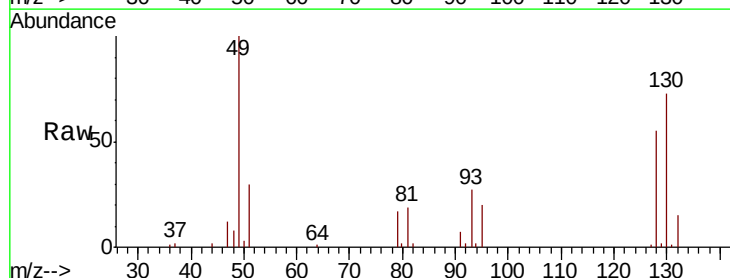
Ion Ratio Lower Upper

128 100

49 180.2 135.0 250.8

130 132.4 89.9 167.0

51 53.6 51.9 77.9

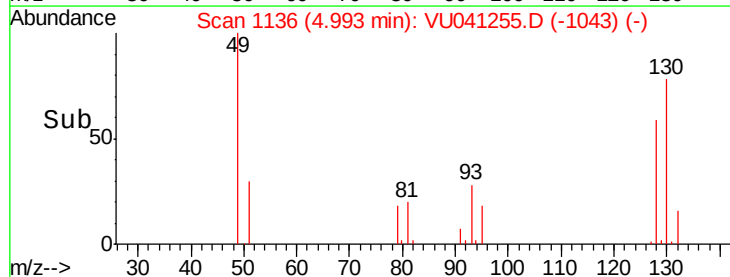
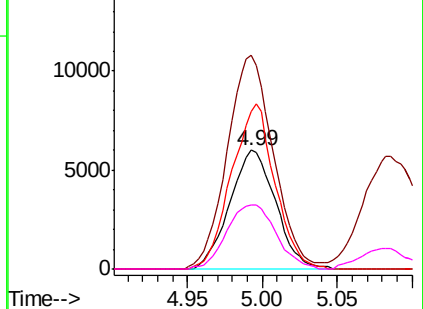


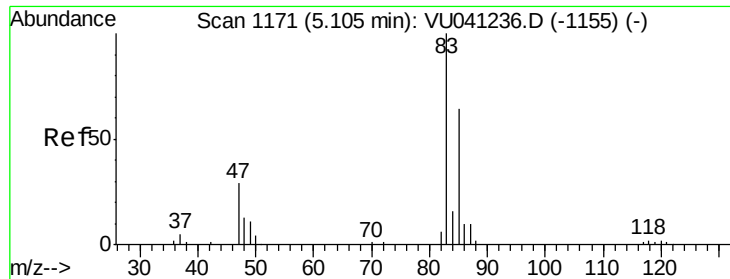
Abundance Ion 127.90 (127.60 to 128.60): VU041236.D (-1122) (-)

Ion 49.10 (48.80 to 49.80): VU041236.D (-1122) (-)

Ion 129.95 (129.65 to 130.65): VU041236.D (-1122) (-)

Ion 51.05 (50.75 to 51.75): VU041236.D (-1122) (-)

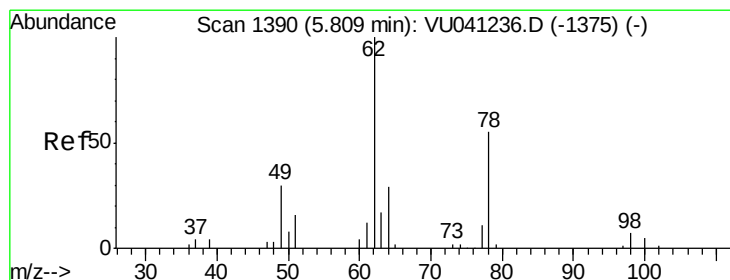
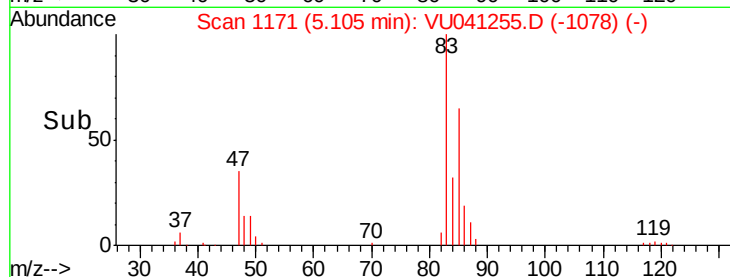
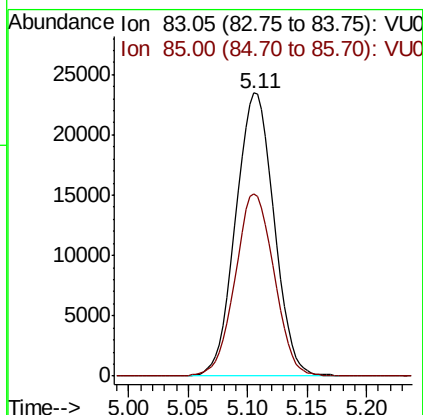
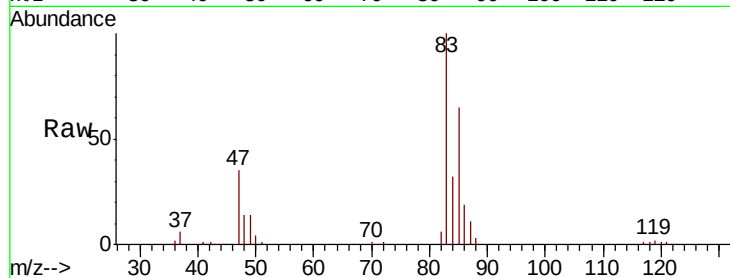




#25
Chloroform
Concen: 4.867 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041255.D
Acq: 16 Nov 2020 18:03

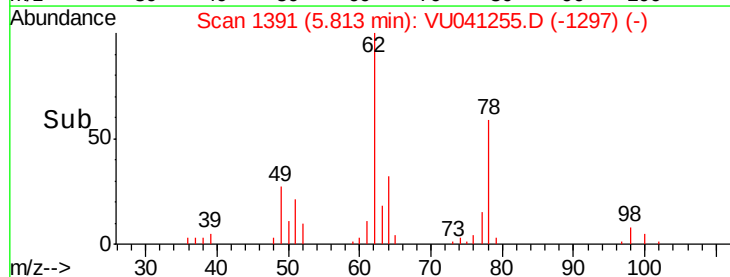
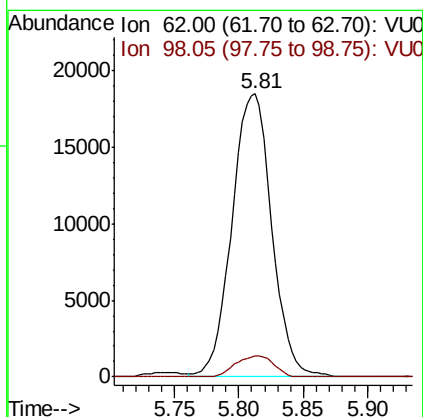
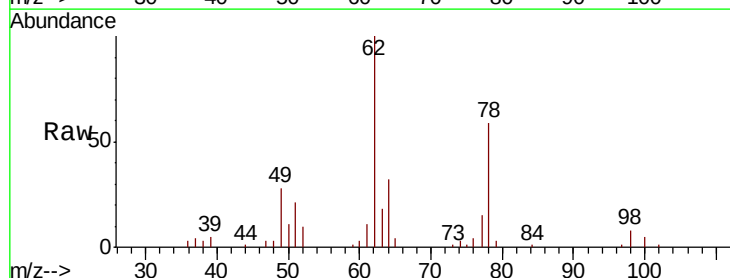
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

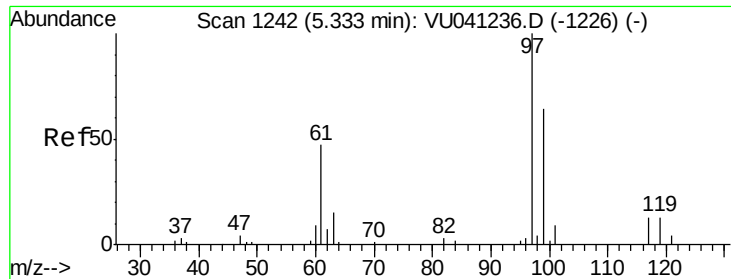
Tot Ion: 83 Resp: 52422
Ion Ratio Lower Upper
83 100
85 64.6 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.121 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU041255.D
Acq: 16 Nov 2020 18:03

Tgt Ion: 62 Resp: 39651
Ion Ratio Lower Upper
62 100
98 7.6 7.6 11.4#

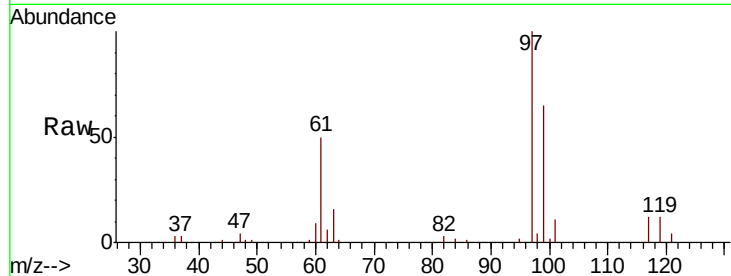




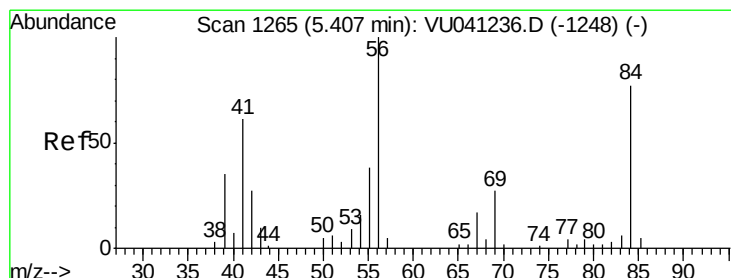
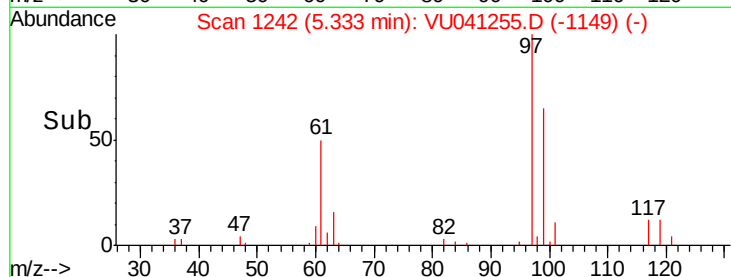
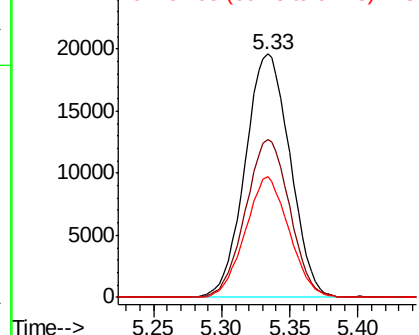
#29
1,1,1-Trichloroethane
Concen: 5.413 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041255.D
Acq: 16 Nov 2020 18:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tot Ion: 97 Resp: 44838
Ion Ratio Lower Upper
97 100
99 63.8 53.4 80.0
61 48.1 41.6 62.4

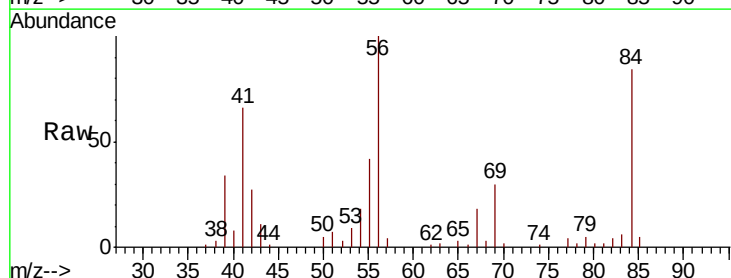


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

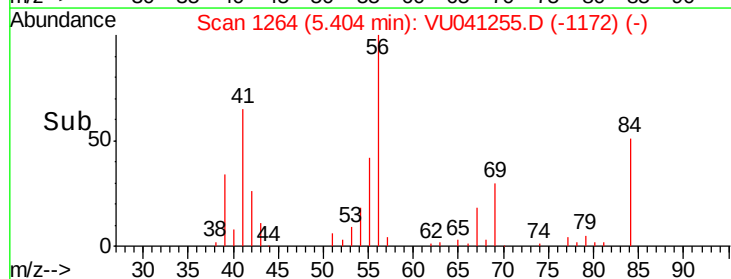
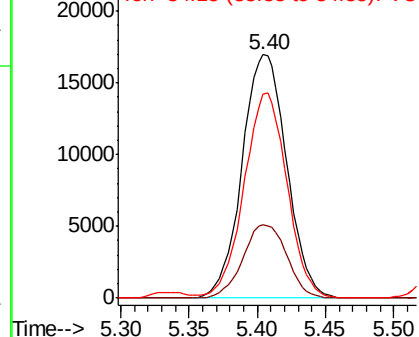


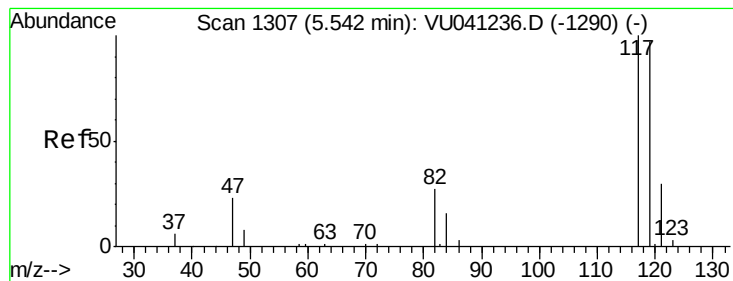
#30
Cyclohexane
Concen: 5.616 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU041255.D
Acq: 16 Nov 2020 18:03

Tgt Ion: 56 Resp: 38439
Ion Ratio Lower Upper
56 100
69 29.7 22.8 34.2
84 81.1 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: 5.642 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

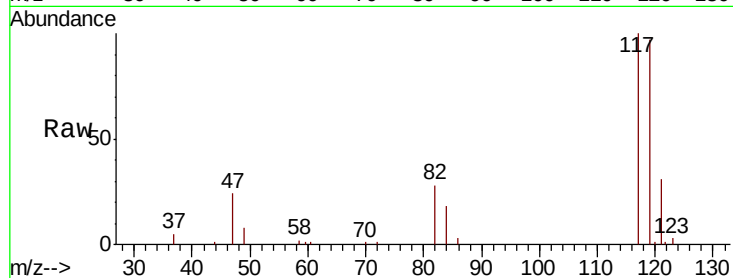
VSTD00523

Tot Ion:117 Resp: 40527

Ion Ratio Lower Upper

117 100

119 96.6 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

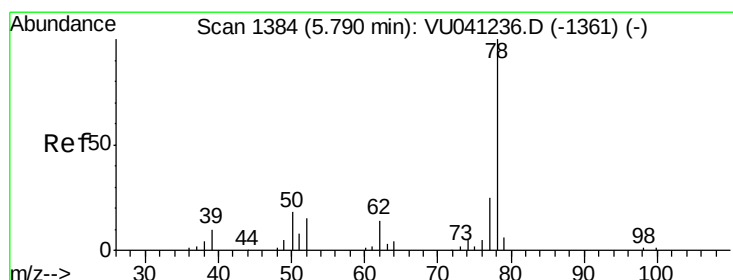
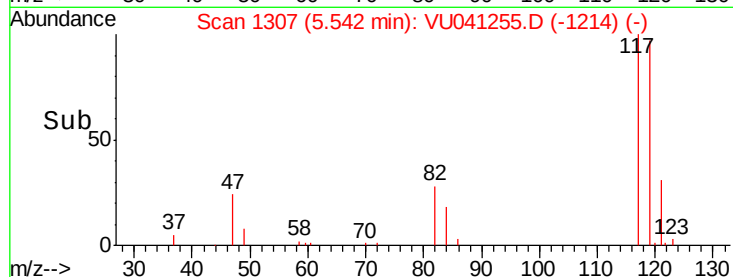
10000

5000

0

Time-->

5.45 5.50 5.55 5.60



#33

Benzene

Concen: 5.685 ug/L

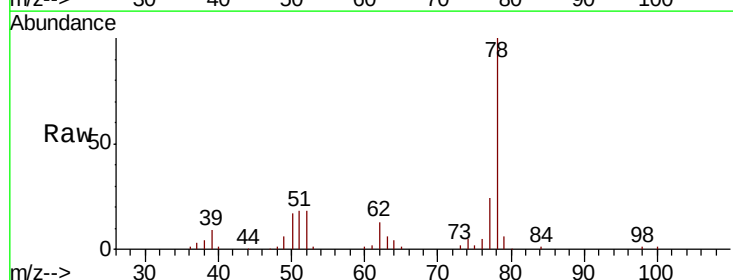
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Tgt Ion: 78 Resp: 104399



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

60000

50000

40000

30000

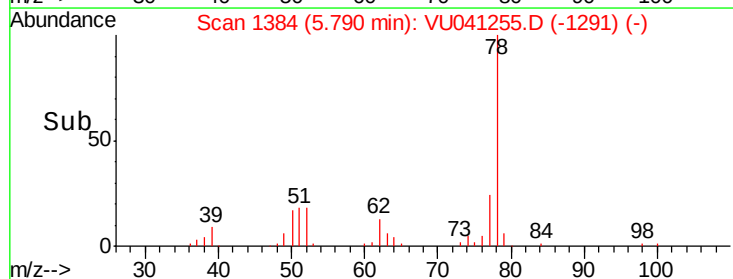
20000

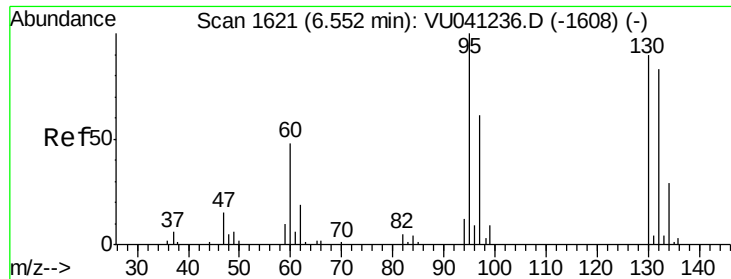
10000

0

Time-->

5.70 5.80 5.90

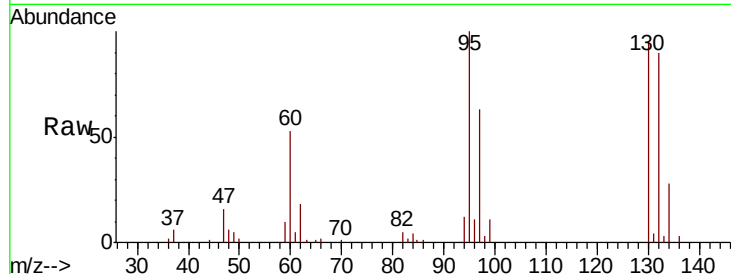




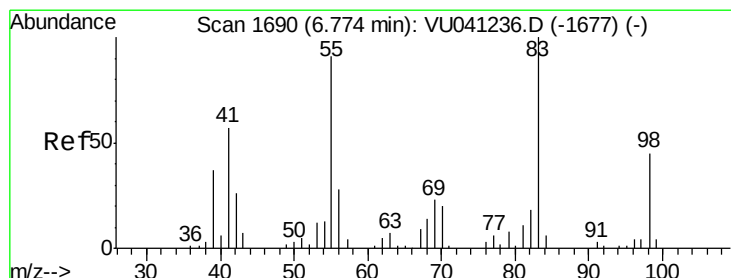
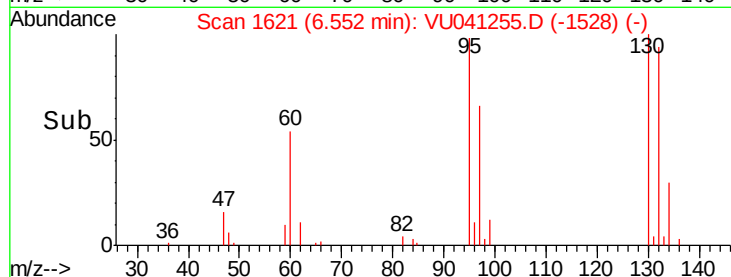
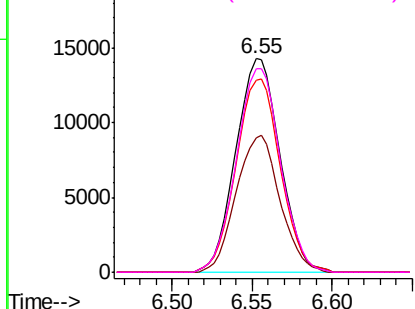
#34
 Trichloroethene
 Concen: 5.406 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041255.D
 Acq: 16 Nov 2020 18:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tot Ion: 95 Resp: 26833
 Ion Ratio Lower Upper
 95 100
 97 62.8 45.6 84.6
 132 89.7 64.8 120.4
 130 95.1 64.8 120.4

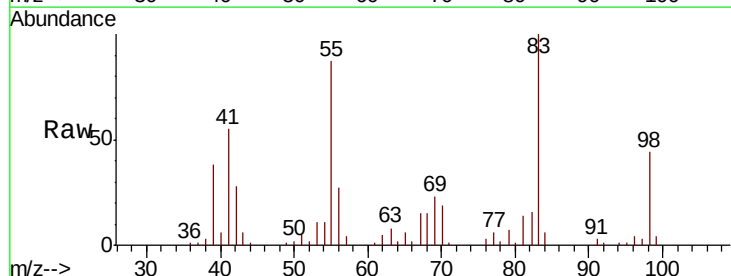


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

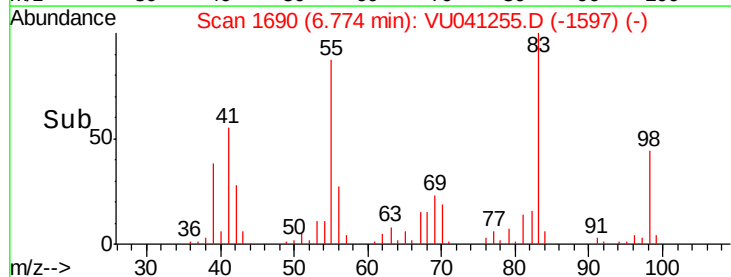
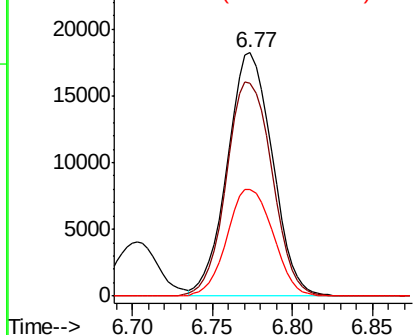


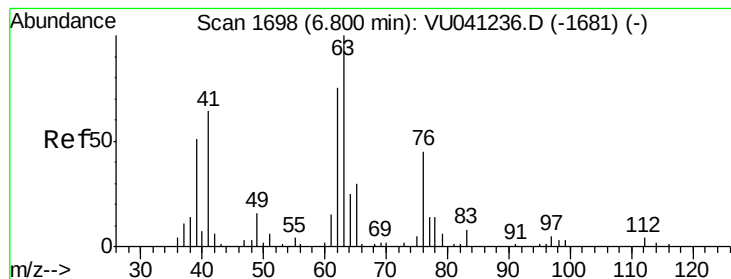
#35
 Methylcyclohexane
 Concen: 5.327 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041255.D
 Acq: 16 Nov 2020 18:03

Tgt Ion: 83 Resp: 35123
 Ion Ratio Lower Upper
 83 100
 55 89.3 72.0 108.0
 98 44.8 36.6 55.0



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





#37

1,2-Dichloropropane

Concen: 5.607 ug/L

RT: 6.81 min Scan# 1700

Delta R.T. 0.01 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

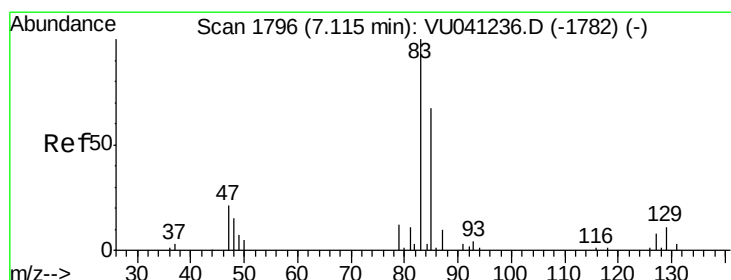
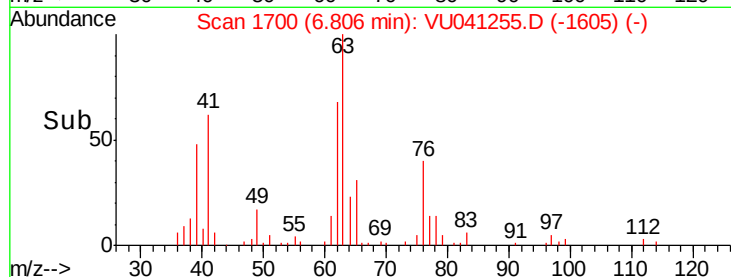
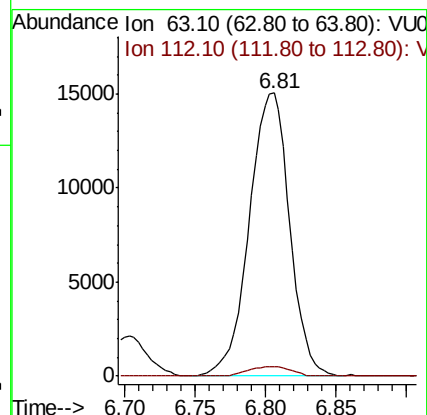
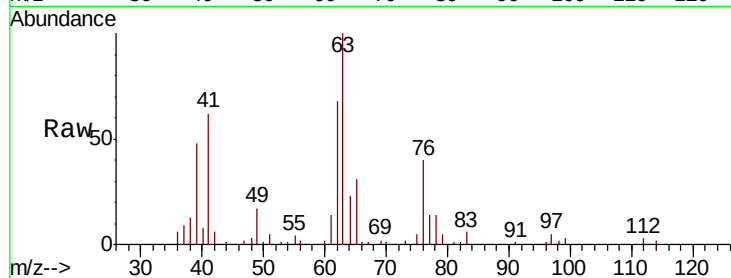
VSTD00523

Tot Ion: 63 Resp: 30099

Ion Ratio Lower Upper

63 100

112 3.5 3.6 5.4#



#38

Bromodichloromethane

Concen: 5.264 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

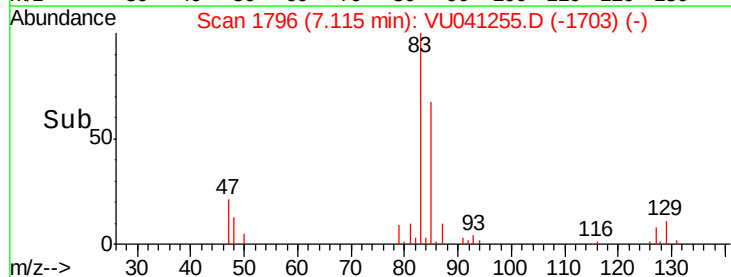
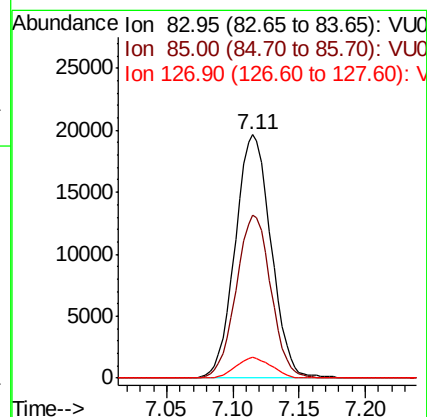
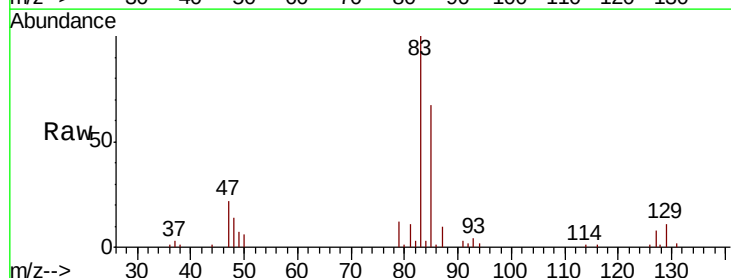
Tgt Ion: 83 Resp: 36934

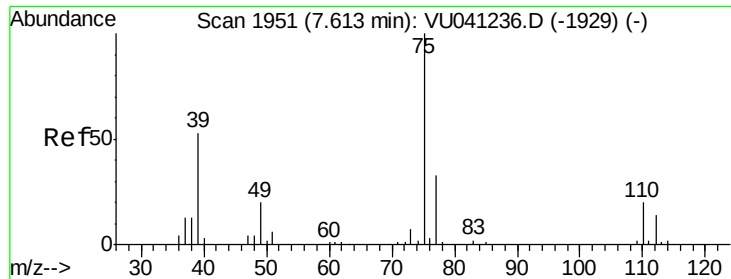
Ion Ratio Lower Upper

83 100

85 66.7 43.3 80.3

127 8.4 5.9 8.9

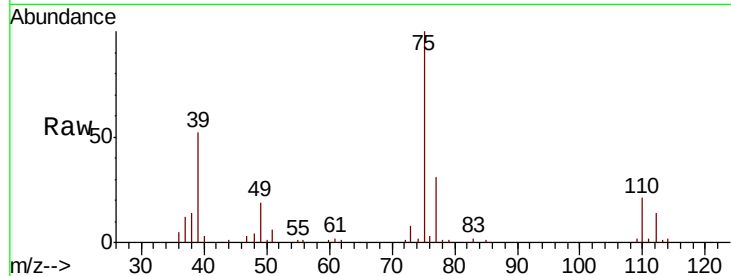




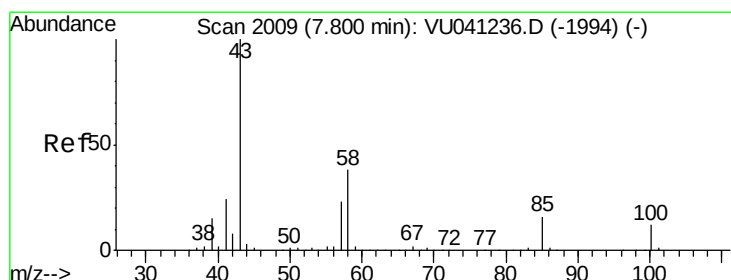
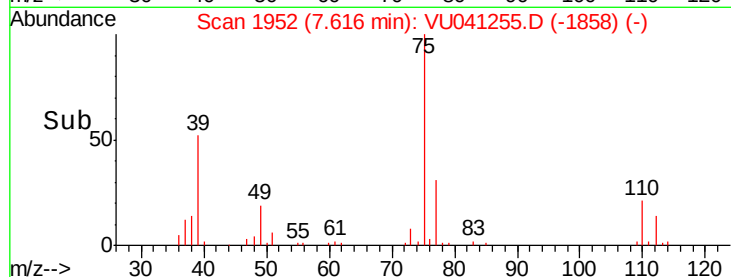
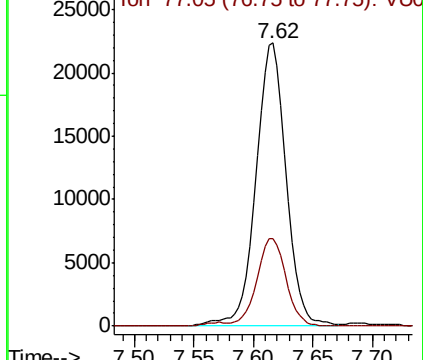
#39
 cis-1,3-Dichloropropene
 Concen: 5.256 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041255.D
 Acq: 16 Nov 2020 18:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tot Ion: 75 Resp: 39356
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.7 42.3

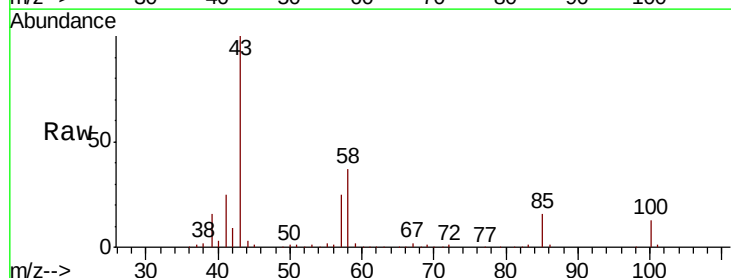


Abundance Ion 75.05 (74.75 to 75.75): VU041236.D (-1929) (-)
 Ion 77.05 (76.75 to 77.75): VU041236.D (-1929) (-)

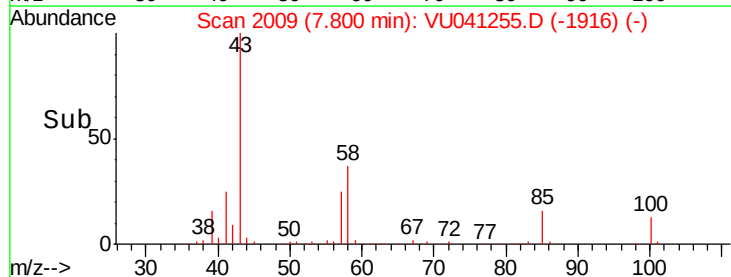
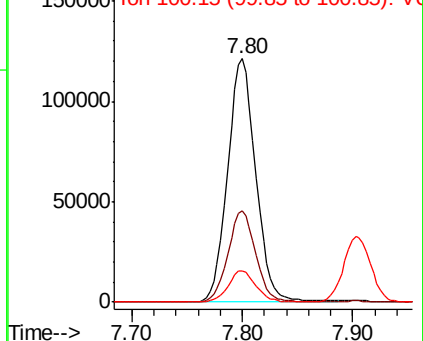


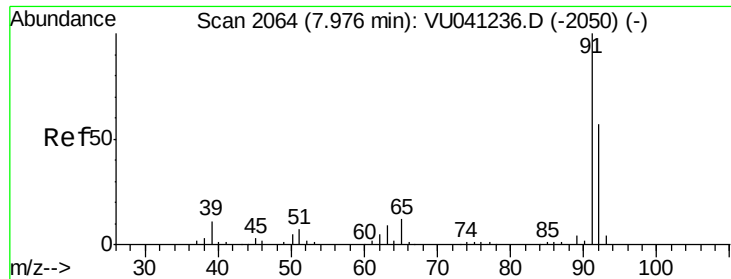
#40
 4-Methyl-2-pentanone
 Concen: 48.369 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041255.D
 Acq: 16 Nov 2020 18:03

Tgt Ion: 43 Resp: 214871
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.8 44.6
 100 12.7 10.5 15.7



Abundance Ion 43.05 (42.75 to 43.75): VU041236.D (-1994) (-)
 Ion 58.05 (57.75 to 58.75): VU041236.D (-1994) (-)
 Ion 100.15 (99.85 to 100.85): VU041236.D (-1994) (-)





#42

Toluene

Concen: 5.430 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

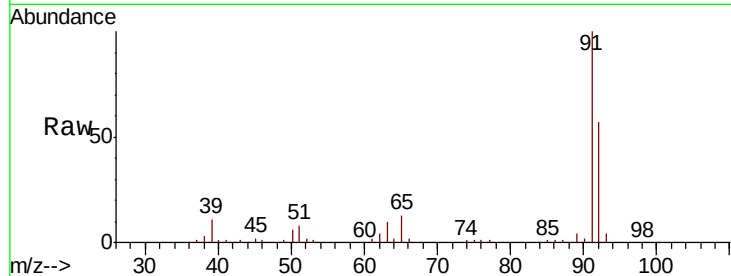
VSTD00523

Tot Ion: 91 Resp: 106575

Ion Ratio Lower Upper

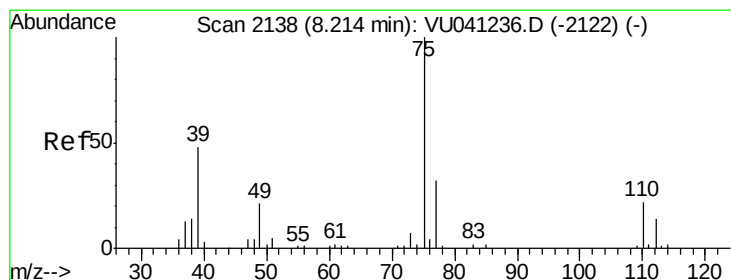
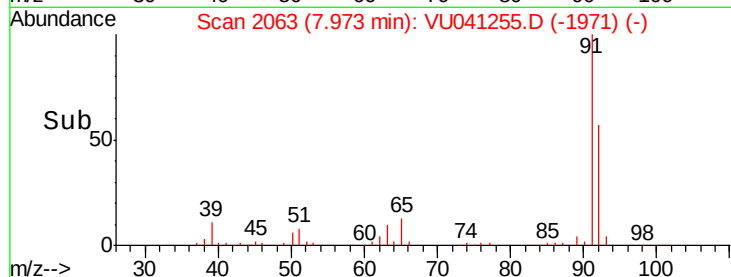
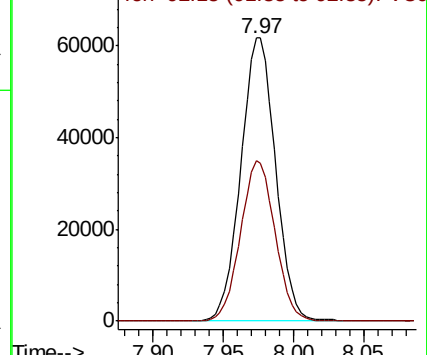
91 100

92 56.5 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: 5.181 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041255.D

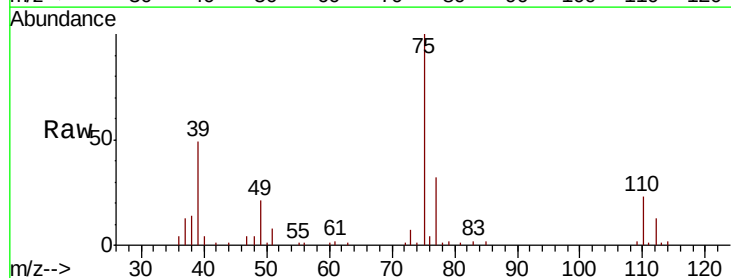
Acq: 16 Nov 2020 18:03

Tgt Ion: 75 Resp: 36693

Ion Ratio Lower Upper

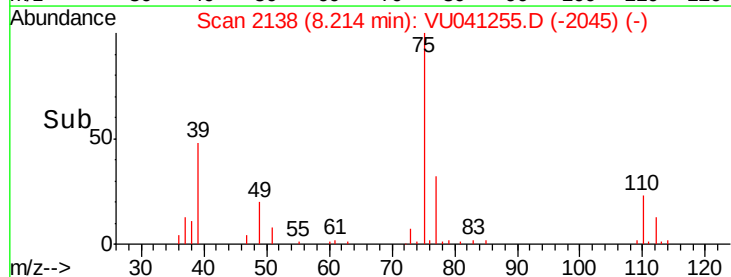
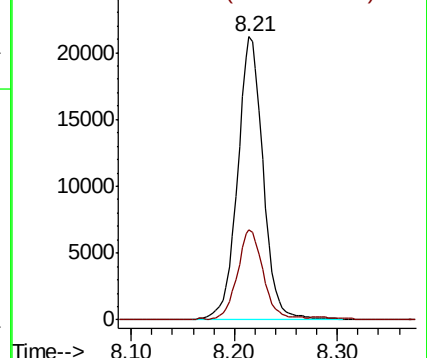
75 100

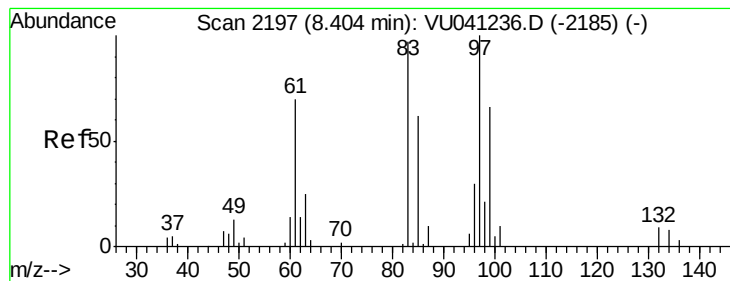
77 32.0 23.3 43.3



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: 4.902 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

Tot Ion: 97 Resp: 20351

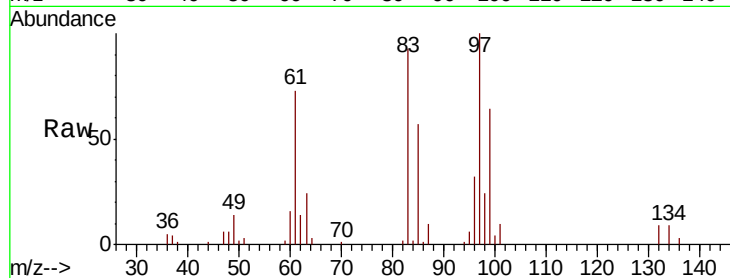
Ion Ratio Lower Upper

97 100

99 64.1 45.8 85.2

83 92.7 67.9 126.1

85 57.4 42.8 79.6

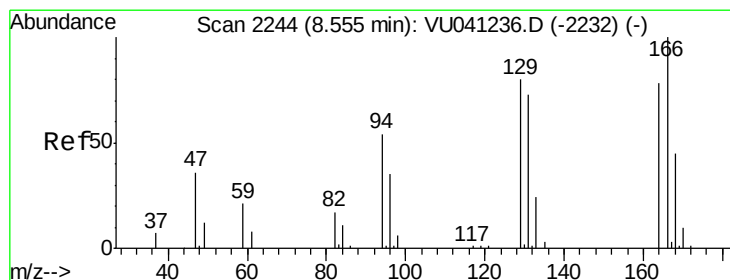
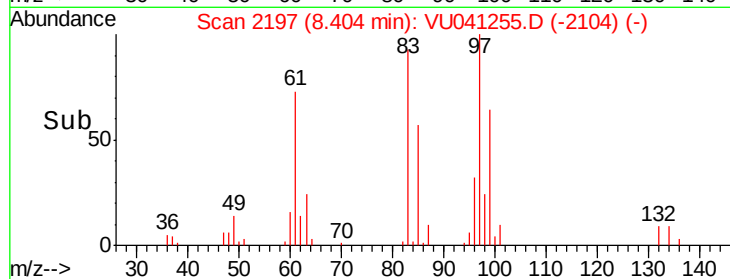
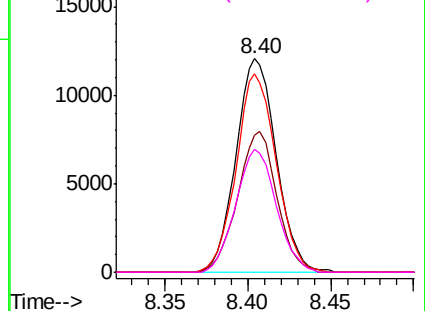


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.295 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Tgt Ion: 164 Resp: 19421

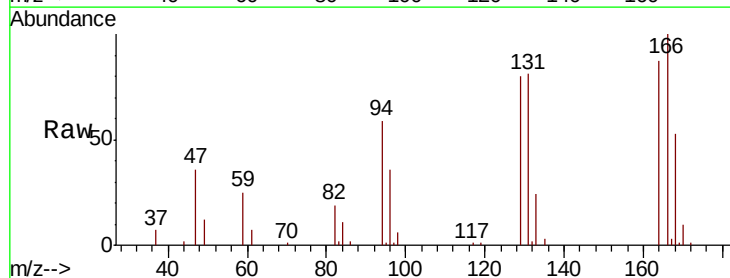
Ion Ratio Lower Upper

164 100

129 92.3 70.3 130.7

131 92.9 70.8 131.4

166 114.6 92.0 170.8

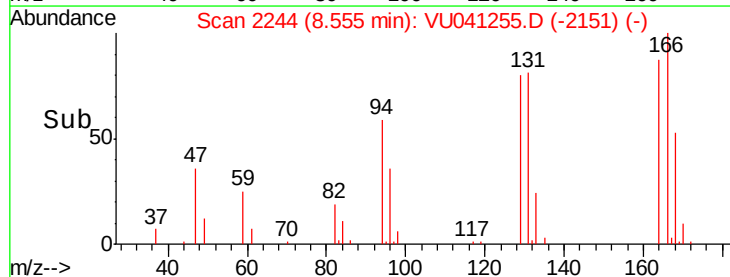
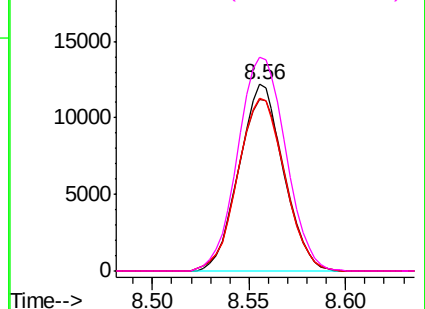


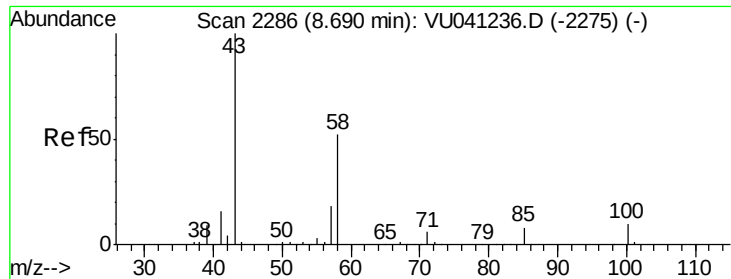
Abundance Ion 163.90 (163.60 to 164.60): V

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

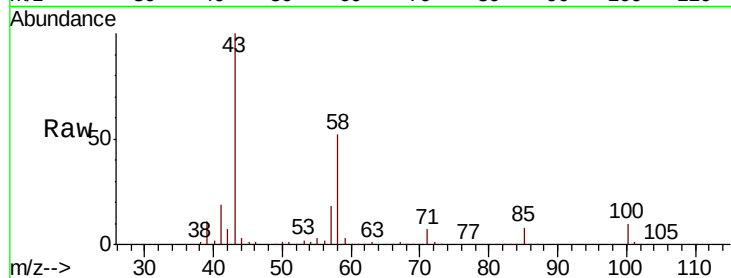




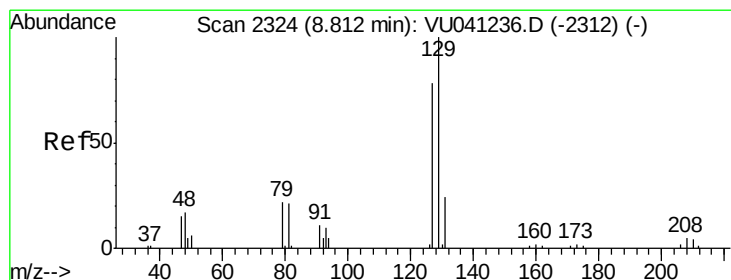
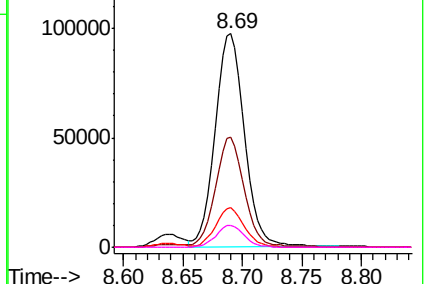
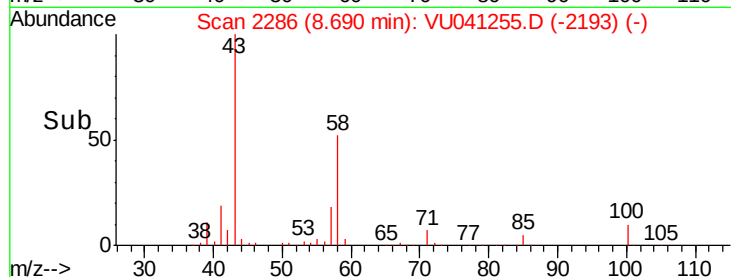
#48
2-Hexanone
Concen: 50.298 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041255.D
Acq: 16 Nov 2020 18:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tot Ion:	43	Resp:	166795
Ion	Ratio	Lower	Upper
43	100		
58	51.1	41.4	62.2
57	17.8	14.6	21.8
100	9.9	8.3	12.5

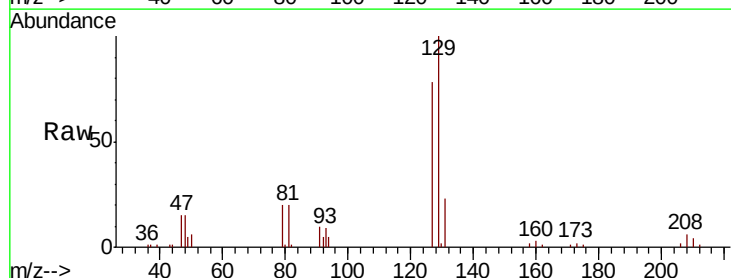


Abundance Ion 43.05 (42.75 to 43.75): VU041236.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU041236.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU041236.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU041236.D (-2275) (-)

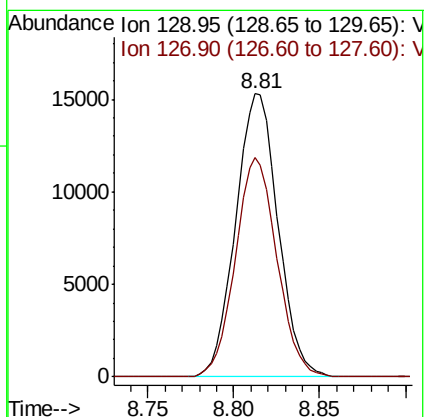
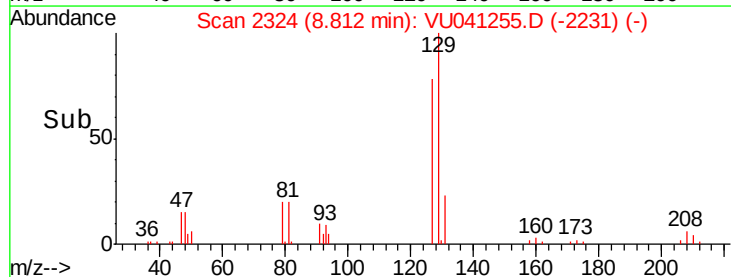


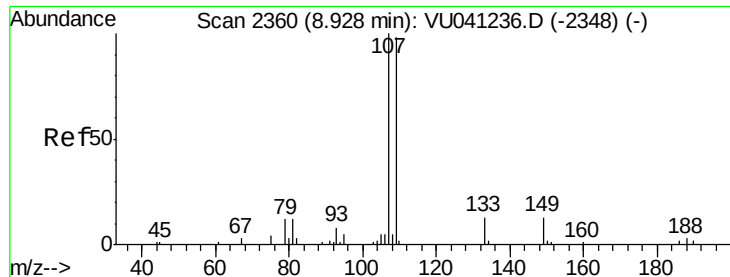
#49
Dibromochloromethane
Concen: 5.309 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041255.D
Acq: 16 Nov 2020 18:03

Tgt Ion:	129	Resp:	26116
Ion	Ratio	Lower	Upper
129	100		
127	77.7	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) (-)

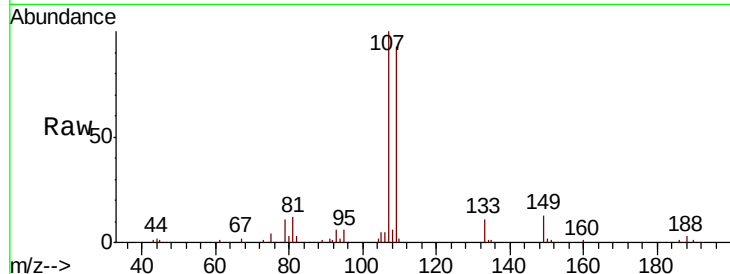




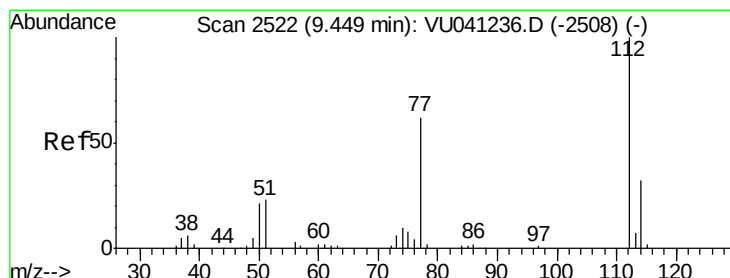
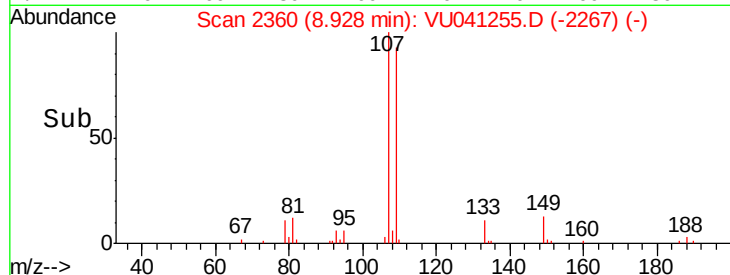
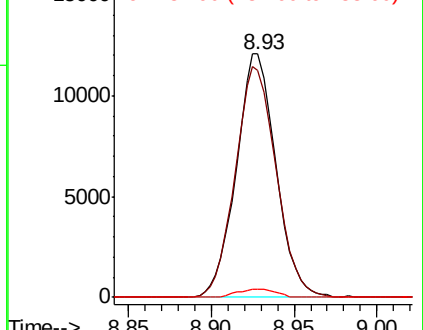
#50
 1,2-Dibromoethane
 Concen: 5.216 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041255.D
 Acq: 16 Nov 2020 18:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tot Ion:107 Resp: 20088
 Ion Ratio Lower Upper
 107 100
 109 93.4 65.6 121.8
 188 3.3 2.9 4.3

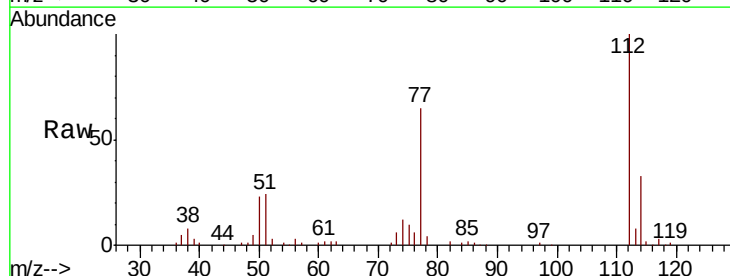


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

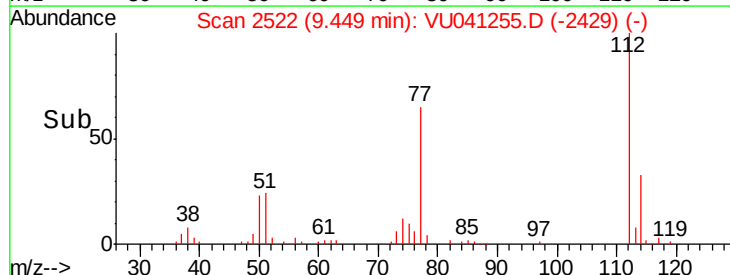
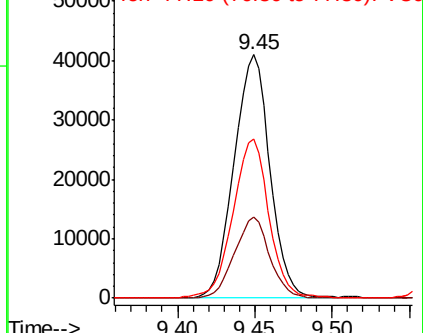


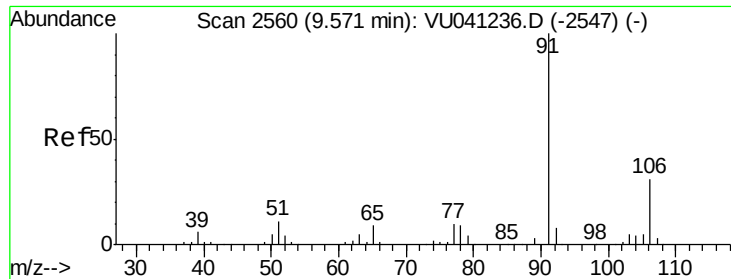
#51
 Chlorobenzene
 Concen: 5.081 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041255.D
 Acq: 16 Nov 2020 18:03

Tgt Ion:112 Resp: 66053
 Ion Ratio Lower Upper
 112 100
 114 33.3 22.4 41.6
 77 65.1 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: 5.037 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

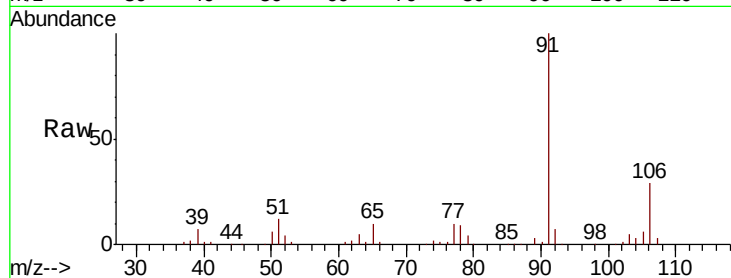
VSTD00523

Tot Ion: 91 Resp: 105575

Ion Ratio Lower Upper

91 100

106 29.1 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041236.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU041236.D (-2547) (-)

9.57

60000

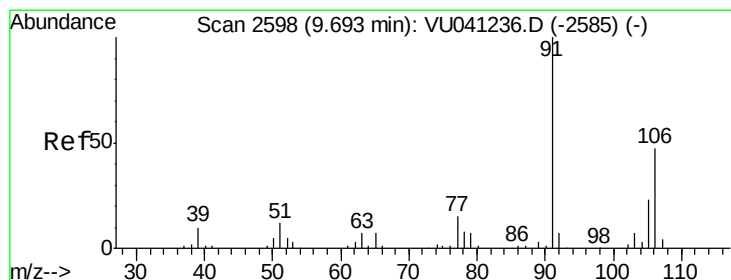
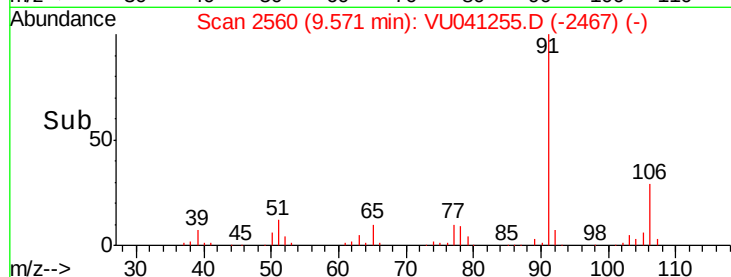
40000

20000

0

9.50 9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 5.266 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041255.D

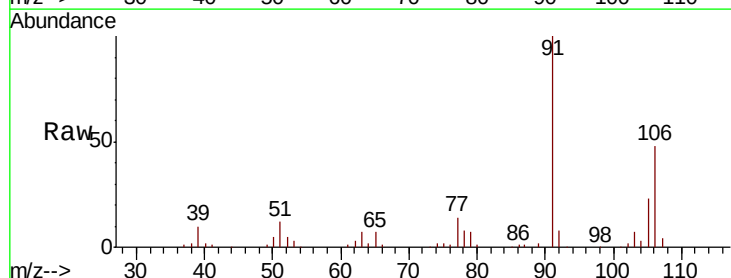
Acq: 16 Nov 2020 18:03

Tgt Ion: 106 Resp: 39885

Ion Ratio Lower Upper

106 100

91 208.9 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041236.D (-2585) (-)

Ion 91.15 (90.85 to 91.85): VU041236.D (-2585) (-)

9.69

60000

50000

40000

30000

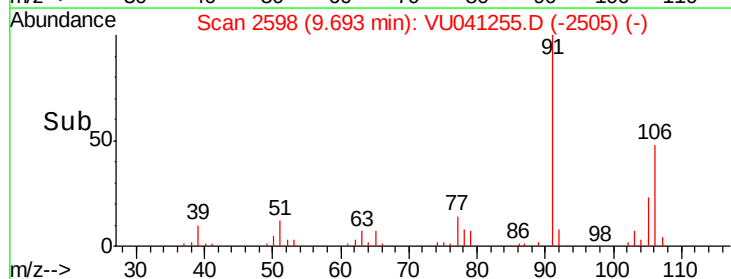
20000

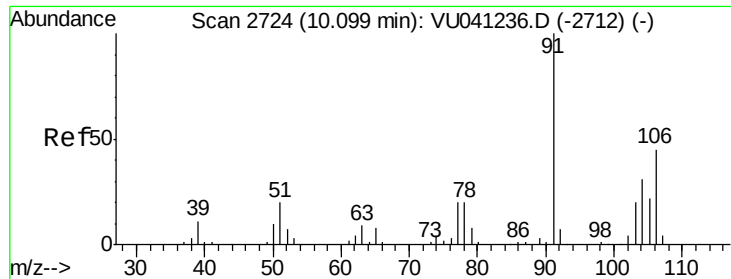
10000

0

9.65 9.70 9.75

Time-->

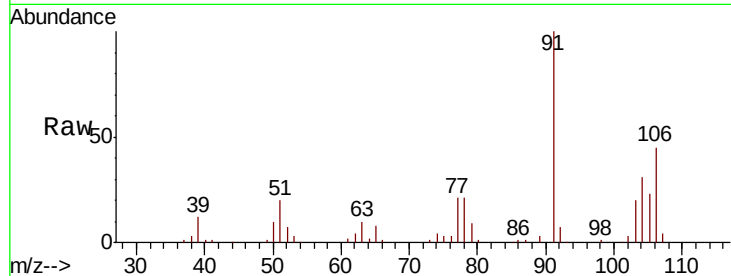




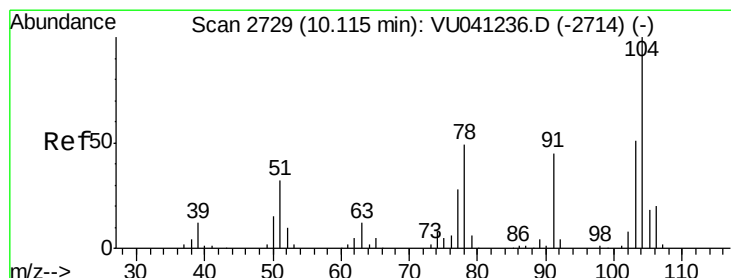
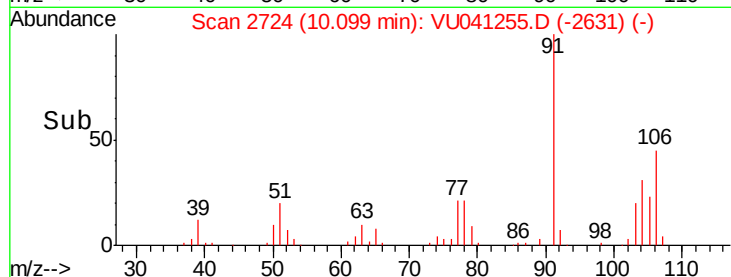
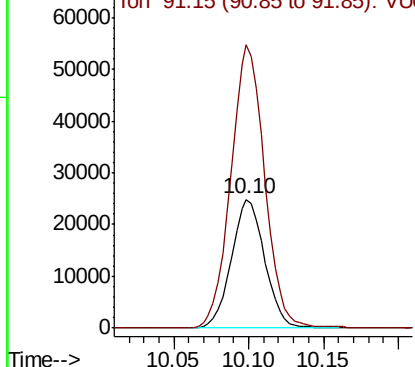
#54
o-Xylene
Concen: 5.294 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041255.D
Acq: 16 Nov 2020 18:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tot Ion:106 Resp: 38626
Ion Ratio Lower Upper
106 100
91 220.1 154.3 286.5

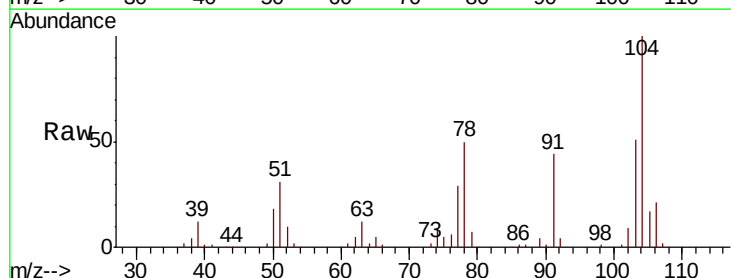


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

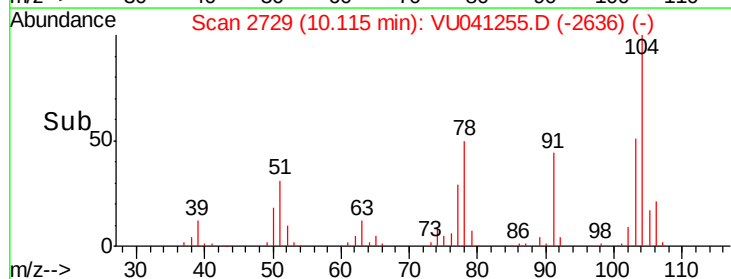
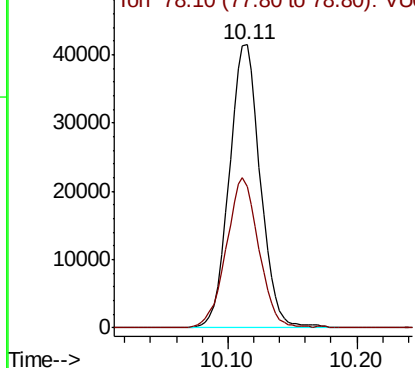


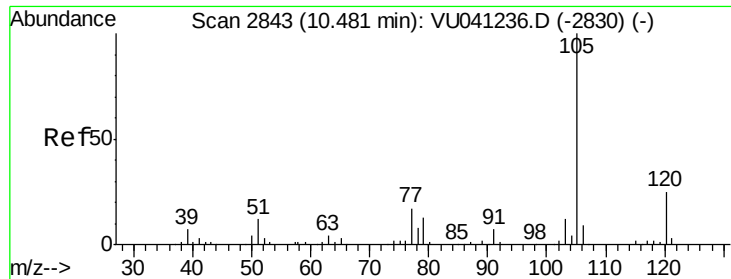
#55
Styrene
Concen: 5.352 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041255.D
Acq: 16 Nov 2020 18:03

Tgt Ion:104 Resp: 69147
Ion Ratio Lower Upper
104 100
78 49.7 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: 5.440 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

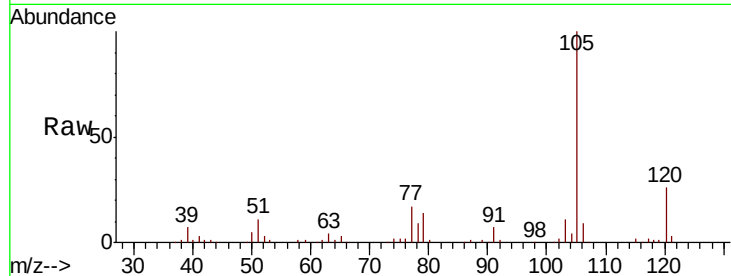
Tot Ion:105 Resp: 105143

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

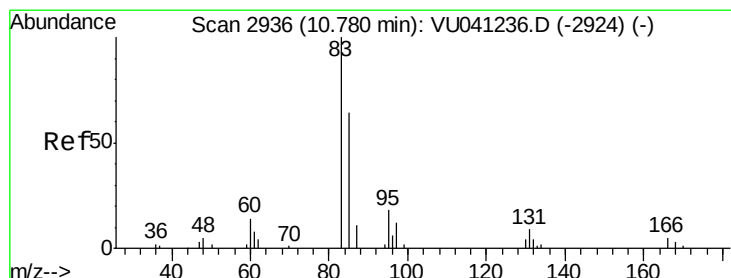
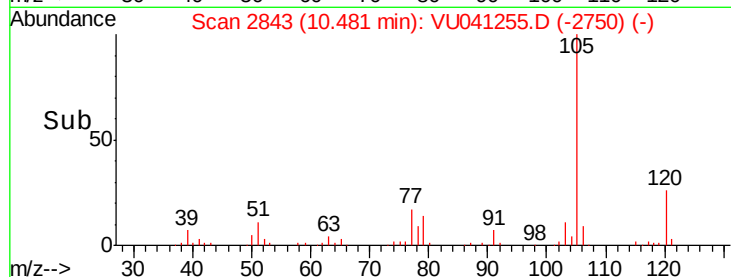
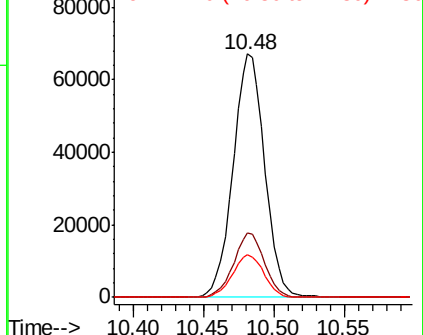
77 17.4 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.848 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

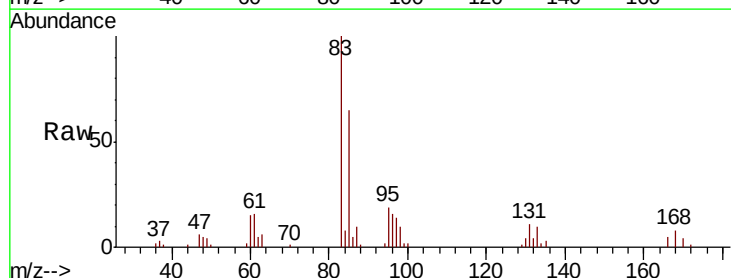
Tgt Ion: 83 Resp: 26309

Ion Ratio Lower Upper

83 100

85 64.8 44.4 82.4

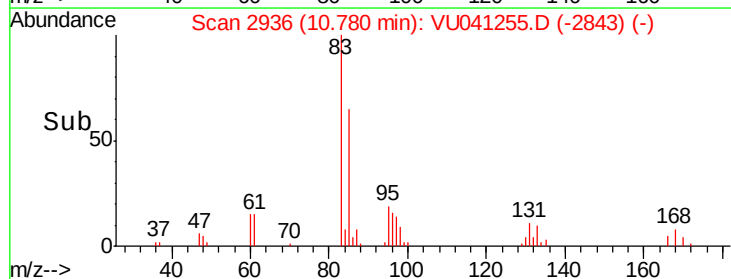
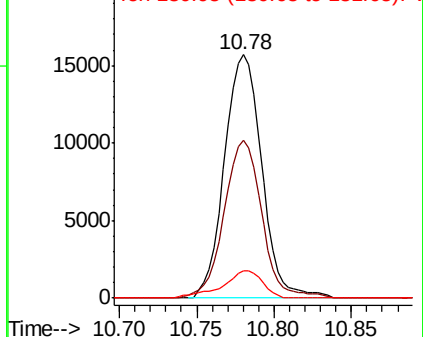
131 11.2 7.7 11.5

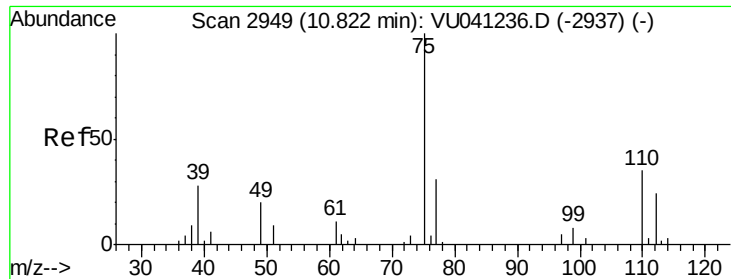


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.947 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Instrument :

MSVOA_U

ClientSampled :

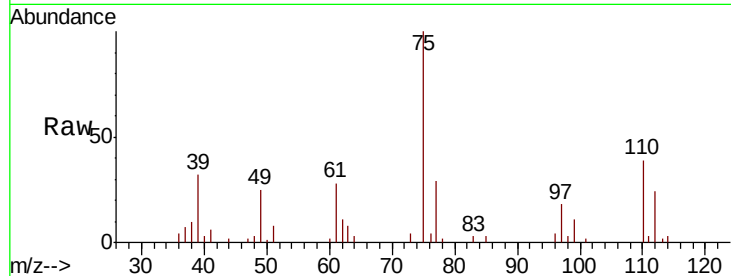
VSTD00523

Tot Ion: 75 Resp: 20943

Ion Ratio Lower Upper

75 100

77 29.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041236.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041236.D (-2937) (-)

10.82

15000

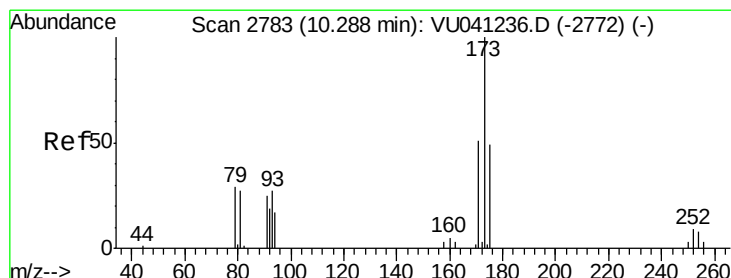
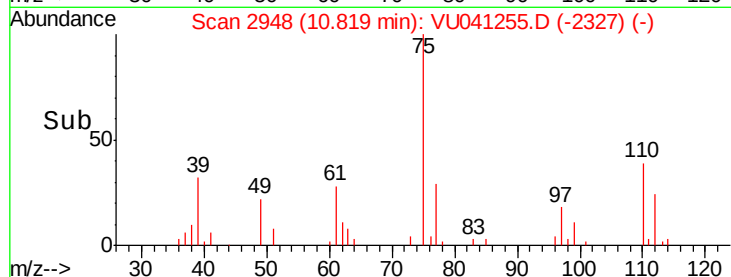
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 4.607 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

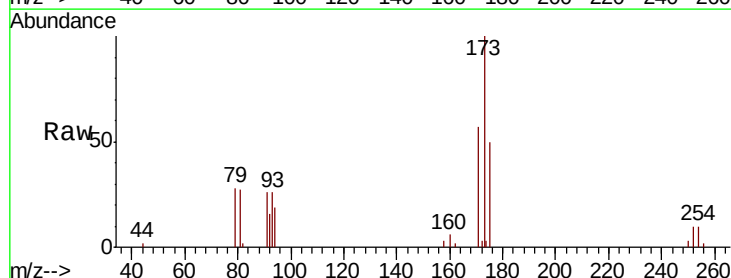
Tgt Ion: 173 Resp: 14897

Ion Ratio Lower Upper

173 100

175 50.6 37.6 56.4

254 8.8 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU041236.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041236.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041236.D (-2772) (-)

10.29

12000

10000

8000

6000

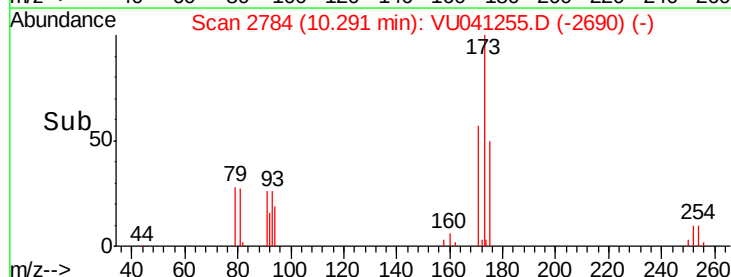
4000

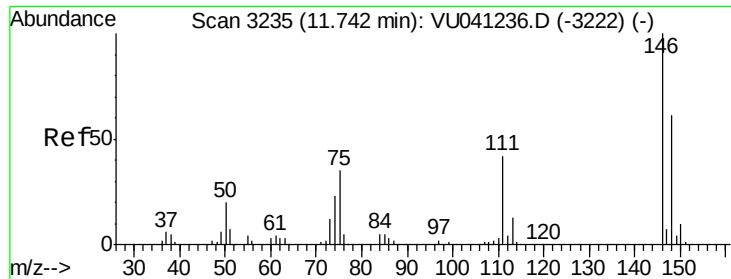
2000

0

Time-->

10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 5.103 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

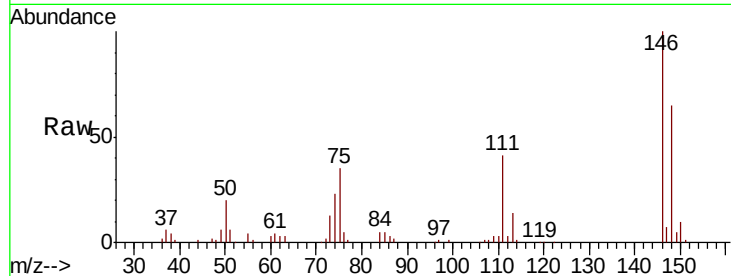
Tot Ion:146 Resp: 54226

Ion Ratio Lower Upper

146 100

111 40.9 30.9 57.3

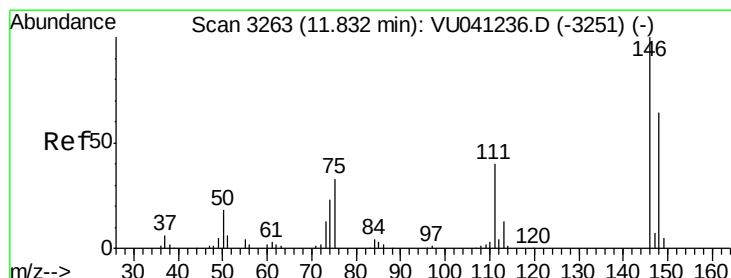
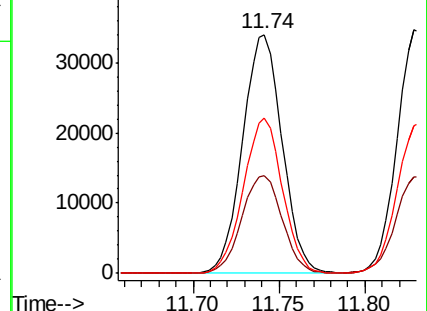
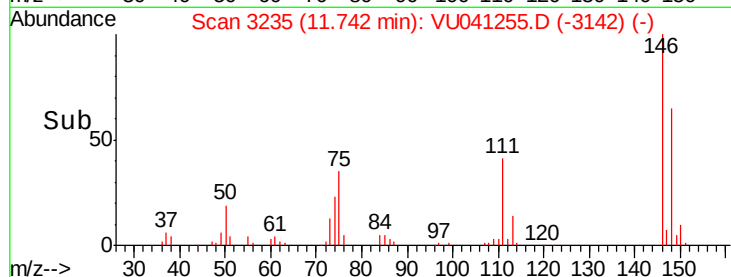
148 65.1 45.8 85.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.041 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. -0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

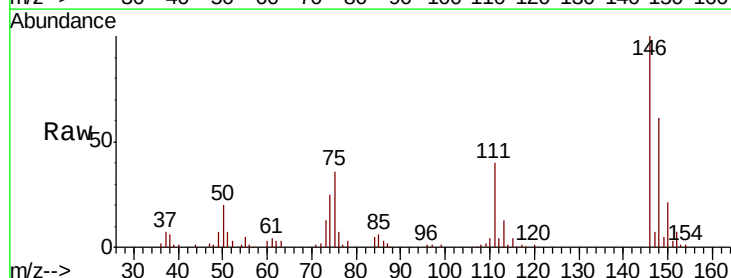
Tgt Ion:146 Resp: 55189

Ion Ratio Lower Upper

146 100

111 39.6 28.3 52.7

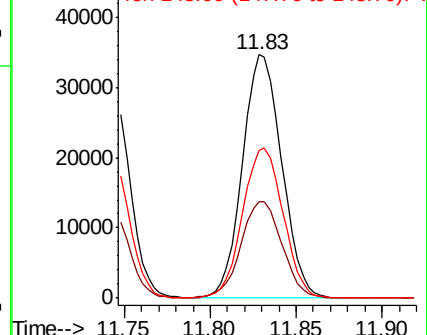
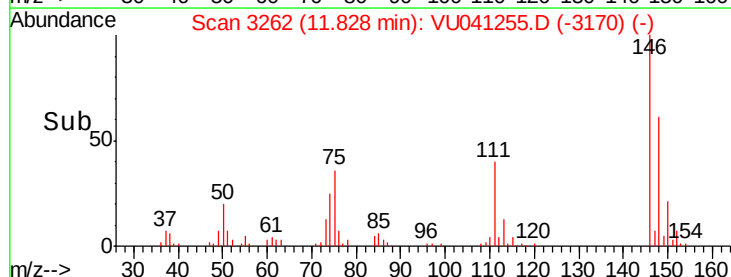
148 60.6 44.2 82.2

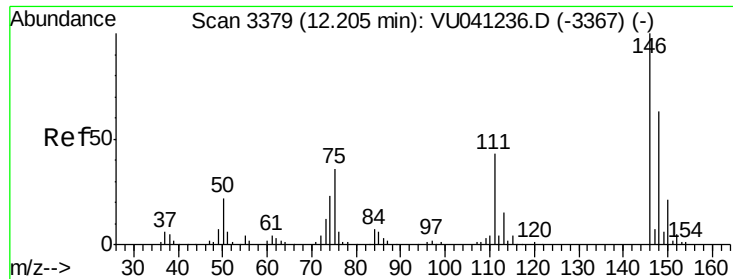


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

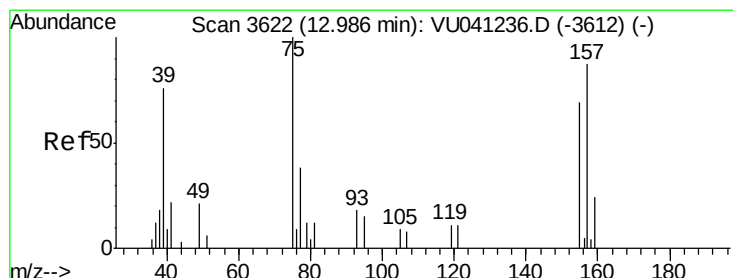
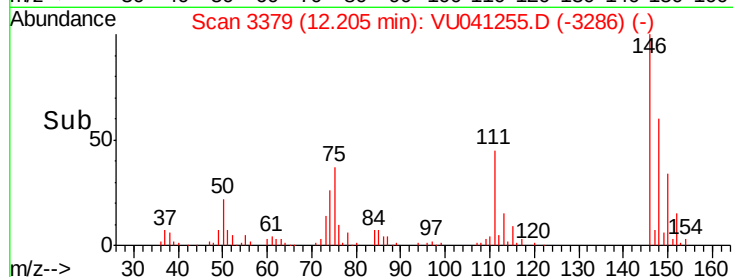
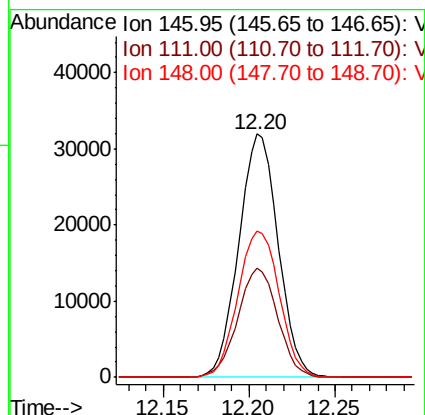
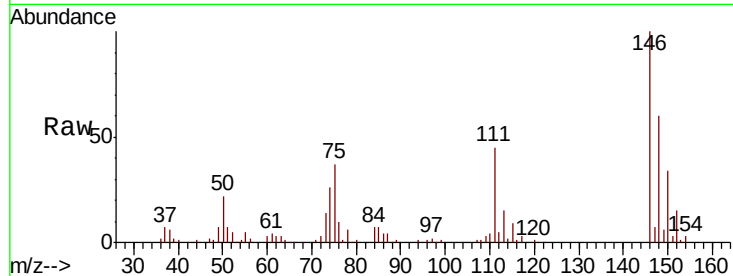




#65
 1,2-Dichlorobenzene
 Concen: 4.801 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU041255.D
 Acq: 16 Nov 2020 18:03

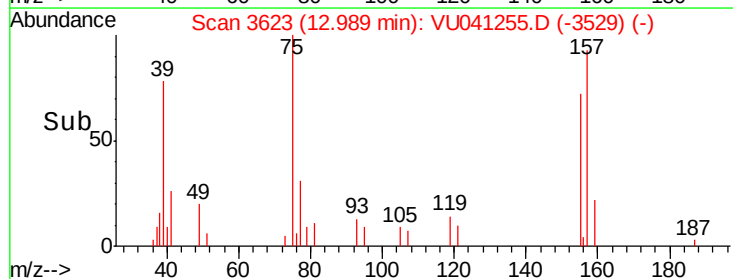
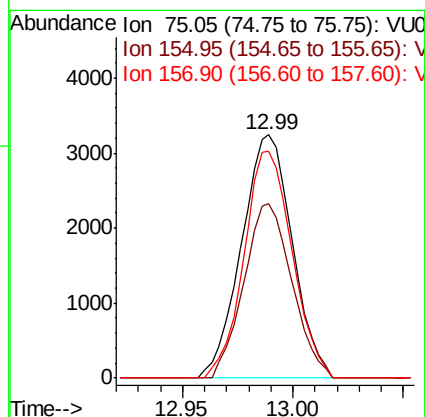
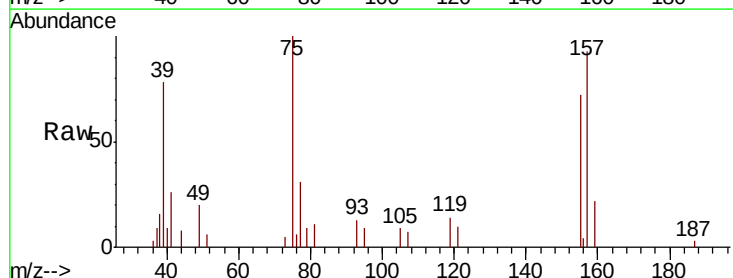
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

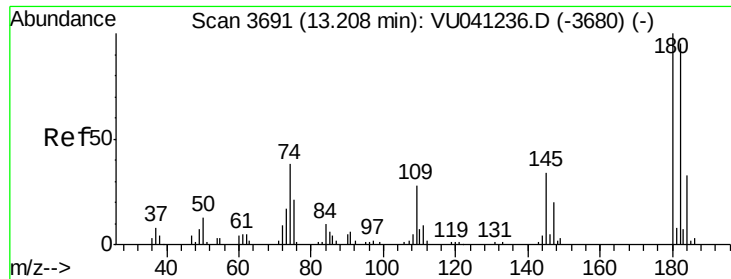
Tot Ion:146 Resp: 50739
 Ion Ratio Lower Upper
 146 100
 111 44.8 35.0 52.6
 148 60.0 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.270 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041255.D
 Acq: 16 Nov 2020 18:03

Tgt Ion: 75 Resp: 5171
 Ion Ratio Lower Upper
 75 100
 155 71.6 61.4 92.2
 157 93.4 74.2 111.4

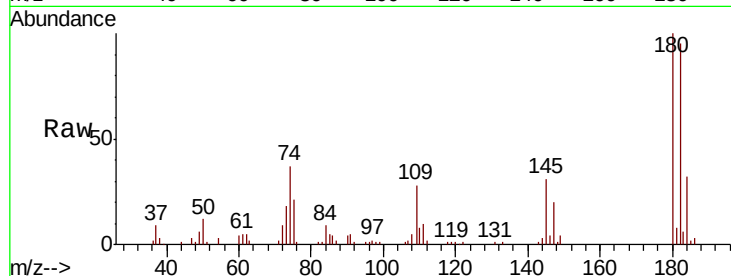




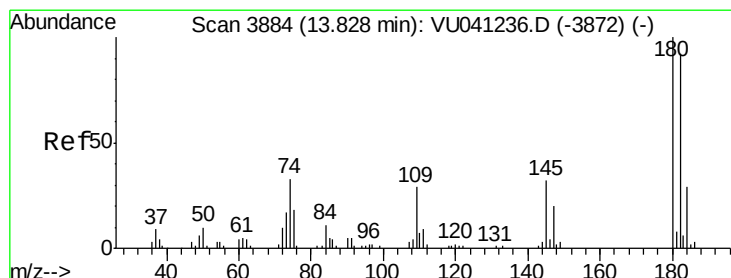
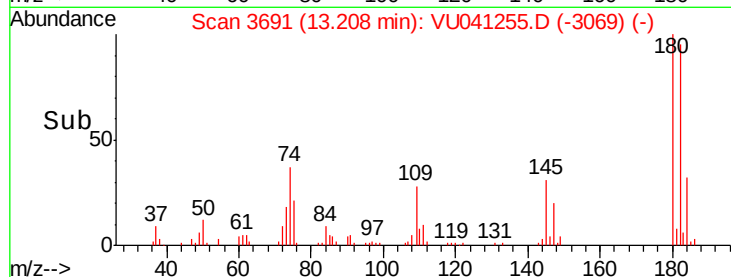
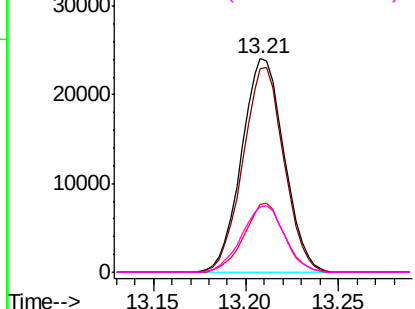
#67
 1,3,5-Trichlorobenzene
 Concen: 5.057 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041255.D
 Acq: 16 Nov 2020 18:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tot Ion:180 Resp: 38276
 Ion Ratio Lower Upper
 180 100
 182 92.7 75.7 113.5
 184 30.5 23.7 35.5
 145 31.2 26.1 39.1

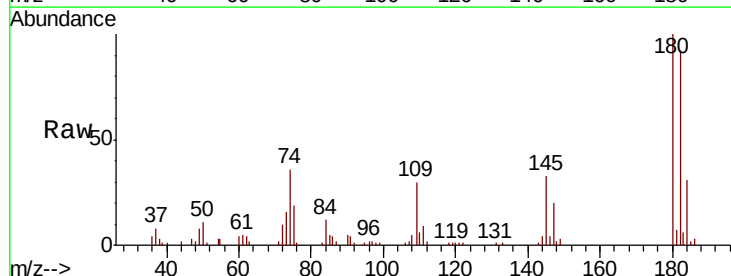


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

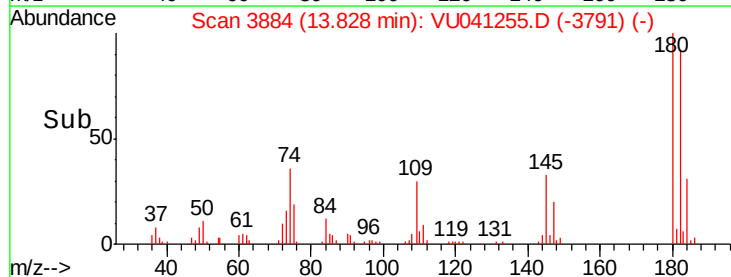
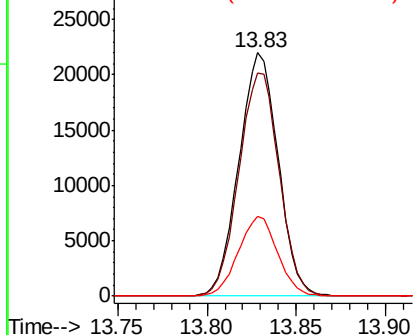


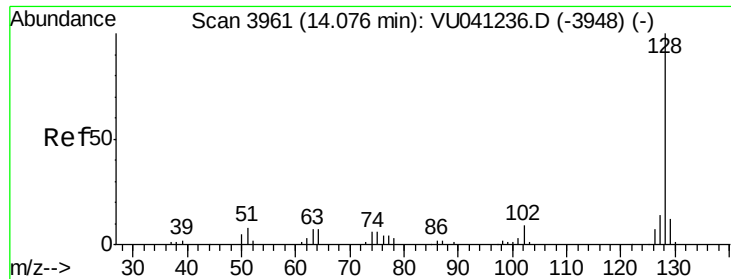
#68
 1,2,4-trichlorobenzene
 Concen: 5.379 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041255.D
 Acq: 16 Nov 2020 18:03

Tgt Ion:180 Resp: 33817
 Ion Ratio Lower Upper
 180 100
 182 94.4 73.5 110.3
 145 32.8 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: 5.301 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

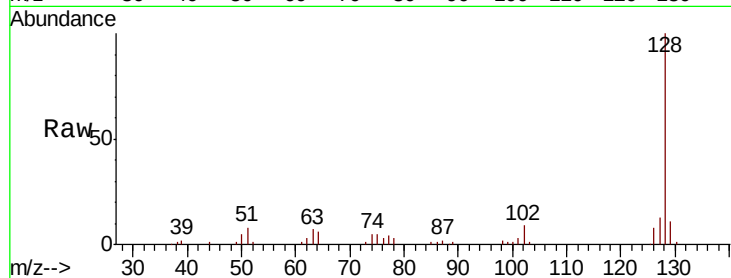
Tot Ion:128 Resp: 53957

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

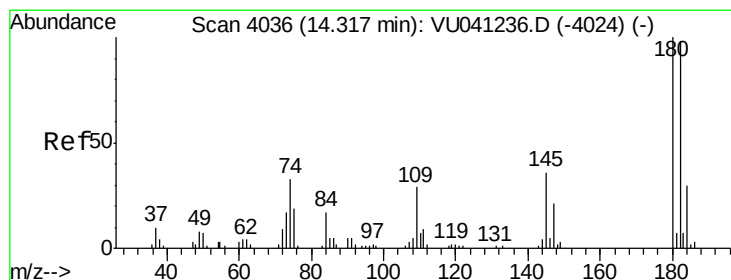
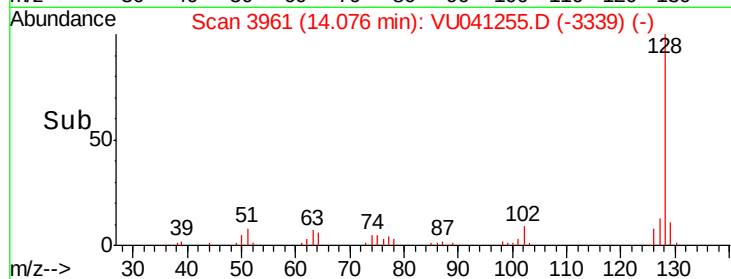
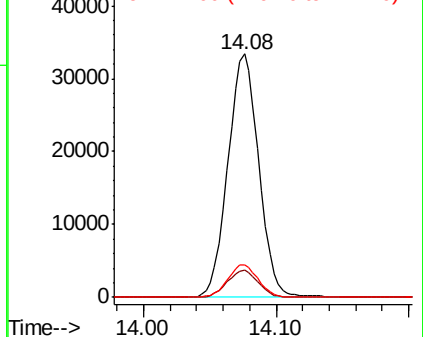
127 13.2 10.8 16.2



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: 5.511 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041255.D

Acq: 16 Nov 2020 18:03

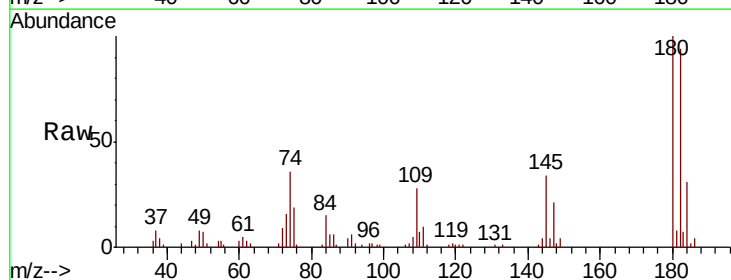
Tgt Ion:180 Resp: 32175

Ion Ratio Lower Upper

180 100

182 93.2 77.7 116.5

145 34.9 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

