

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110620\
 Data File : VU041118.D
 Acq On : 06 Nov 2020 15:06
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Quant Time: Nov 06 23:03:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 06 17:06:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	71530	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	70558	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	37269	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22313	3.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.20%
7) Chloroethane-d5	1.92	69	19338	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.58	63	47577	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	4.65	46	97225	49.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.26%
24) Chloroform-d	5.08	84	51637	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.72	65	31418	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.74	84	95125	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.70	67	32222	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	7.90	98	89130	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
43) trans-1,3-Dichloropropene-	8.18	79	13253	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	8.64	63	72886	50.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.66%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	29229	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	34566	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	27524	4.215	ug/L	99
3) Chloromethane	1.52	50	28336	4.161	ug/L	99
5) Vinyl chloride	1.61	62	29137	4.337	ug/L	98
6) Bromomethane	1.86	94	16375	4.253	ug/L	95
8) Chloroethane	1.94	64	16527	3.883	ug/L	99
9) Trichlorofluoromethane	2.15	101	40507	4.436	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	24361	4.552	ug/L	95
12) 1,1-Dichloroethene	2.59	96	21421	4.240	ug/L	96
13) Acetone	2.66	43	59722	44.142	ug/L #	54
14) Carbon disulfide	2.81	76	65189	3.861	ug/L	100
15) Methyl Acetate	2.96	43	14061	4.542	ug/L	96
16) Methylene chloride	3.06	84	26019	4.419	ug/L	95
17) Methyl tert-butyl Ether	3.38	73	59368	4.565	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	23075	4.494	ug/L	90
19) 1,1-Dichloroethane	3.89	63	46256	4.506	ug/L	96
21) 2-Butanone	4.73	43	96239	45.513	ug/L	97
22) cis-1,2-Dichloroethene	4.68	96	24734	4.670	ug/L	98

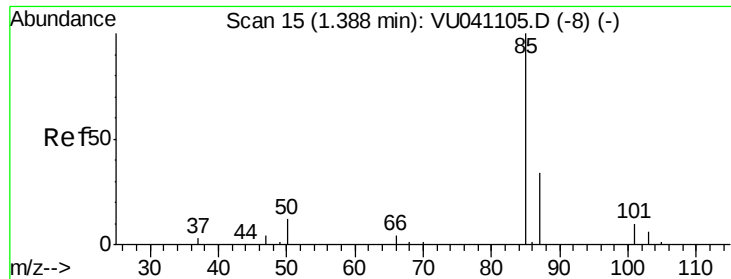
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110620\
 Data File : VU041118.D
 Acq On : 06 Nov 2020 15:06
 Operator : SY/MD
 Sample : VSTDCCC005
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 VSTD00519

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 06 17:06:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	12653	5.064	ug/L	88
25) Chloroform	5.10	83	49143	4.774	ug/L	98
27) 1,2-Dichloroethane	5.81	62	35563	4.638	ug/L #	94
29) 1,1,1-Trichloroethane	5.33	97	41087	4.761	ug/L	97
30) Cyclohexane	5.40	56	38114	4.483	ug/L	99
31) Carbon tetrachloride	5.54	117	36298	4.750	ug/L	100
33) Benzene	5.79	78	99072	4.699	ug/L	100
34) Trichloroethene	6.55	95	26203	4.884	ug/L	97
35) Methylcyclohexane	6.77	83	36773	4.595	ug/L	96
37) 1,2-Dichloropropane	6.80	63	27656	4.848	ug/L #	97
38) Bromodichloromethane	7.12	83	35522	4.800	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	38327	4.880	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	223410	49.117	ug/L	99
42) Toluene	7.97	91	105541	4.937	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	35859	4.878	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	20382	4.800	ug/L	97
47) Tetrachloroethene	8.56	164	19000	4.816	ug/L	97
48) 2-Hexanone	8.69	43	169450	49.477	ug/L	98
49) Dibromochloromethane	8.81	129	24452	4.958	ug/L	96
50) 1,2-Dibromoethane	8.93	107	19913	4.921	ug/L	99
51) Chlorobenzene	9.45	112	66541	4.909	ug/L	96
52) Ethylbenzene	9.57	91	108738	4.832	ug/L	98
53) m,p-Xylene	9.69	106	42064	5.125	ug/L	95
54) o-Xylene	10.10	106	40844	5.344	ug/L	97
55) Styrene	10.11	104	69709	5.119	ug/L	99
56) Isopropylbenzene	10.48	105	107088	5.210	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	26696	4.787	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	20359	4.788	ug/L	97
61) Bromoform	10.29	173	14304	4.980	ug/L	96
62) 1,3-Dichlorobenzene	11.74	146	56056	5.211	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	56295	5.053	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	52273	4.924	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	4973	4.780	ug/L	87
67) 1,3,5-Trichlorobenzene	13.21	180	38946	5.176	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	32513	5.216	ug/L	98
69) Naphthalene	14.08	128	53175	4.771	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	30435	5.298	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.215 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_U

ClientSampleId :

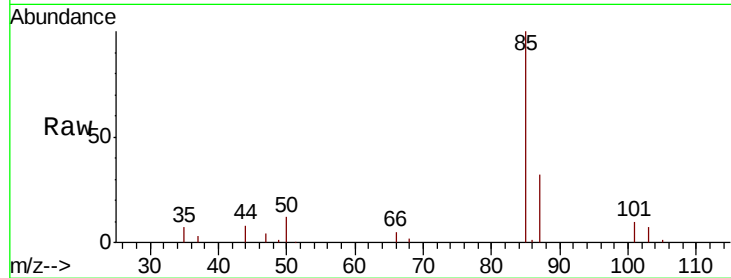
VSTD00519

Tot Ion: 85 Resp: 27524

Ion Ratio Lower Upper

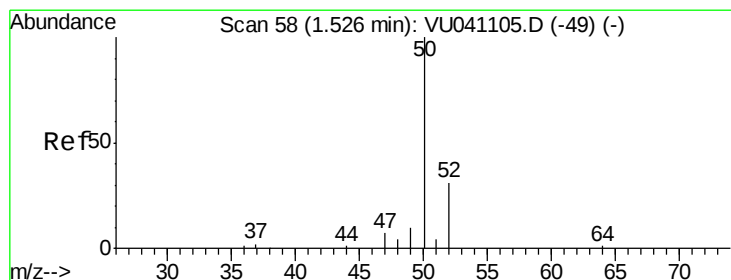
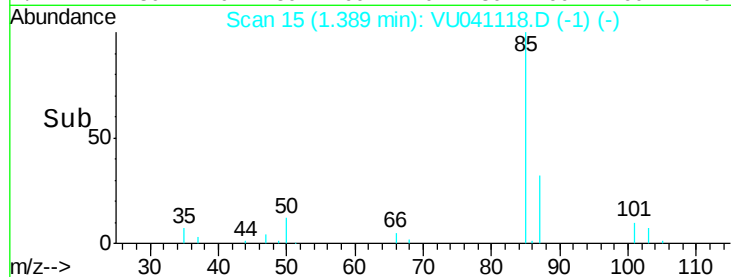
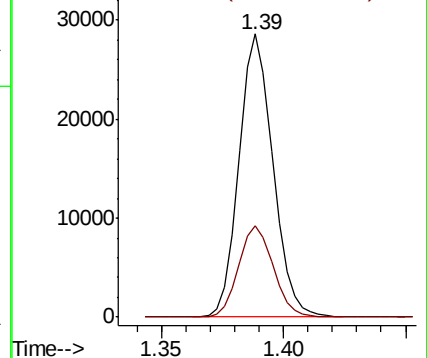
85 100

87 32.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.161 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041118.D

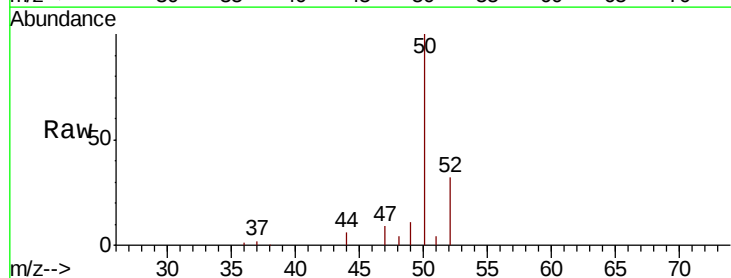
Acq: 06 Nov 2020 15:06

Tgt Ion: 50 Resp: 28336

Ion Ratio Lower Upper

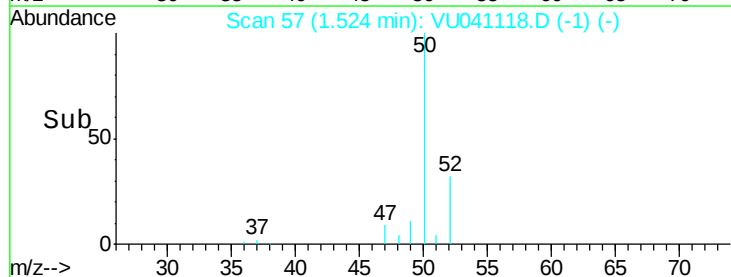
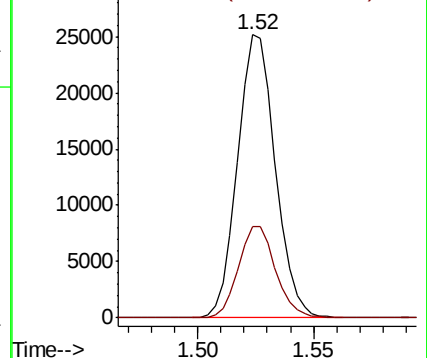
50 100

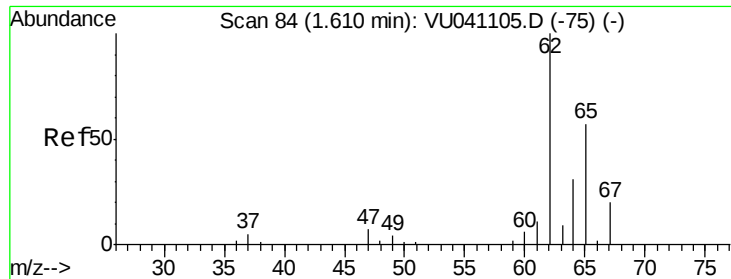
52 32.4 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.337 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_U

ClientSampleId :

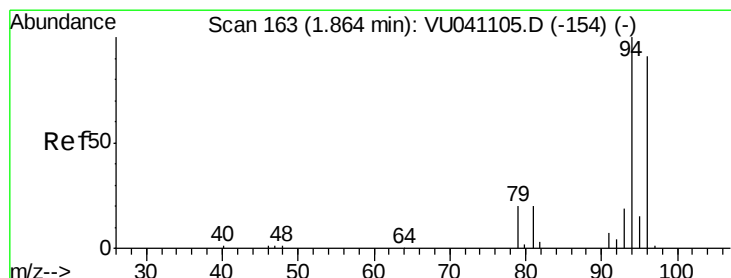
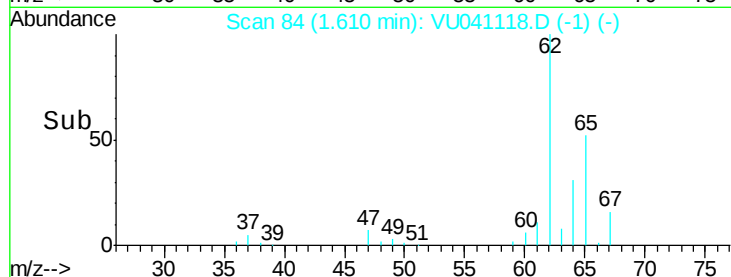
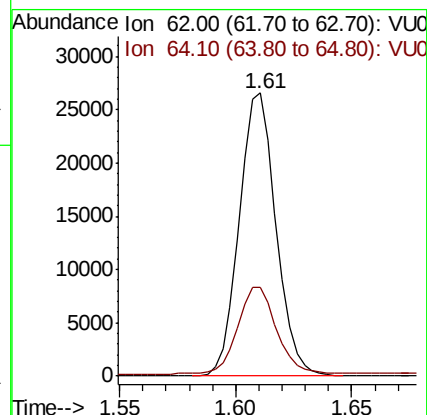
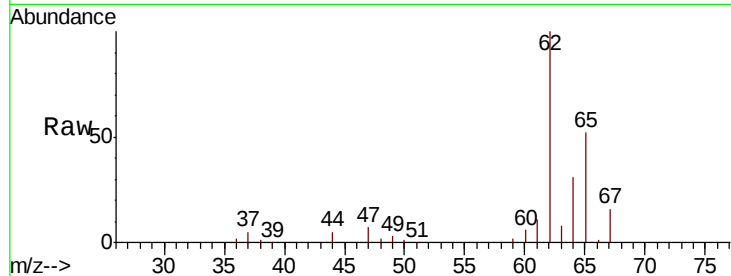
VSTD00519

Tot Ion: 62 Resp: 29137

Ion Ratio Lower Upper

62 100

64 31.4 22.7 42.3



#6

Bromomethane

Concen: 4.253 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041118.D

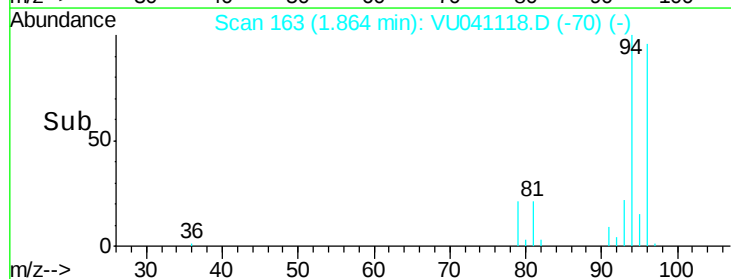
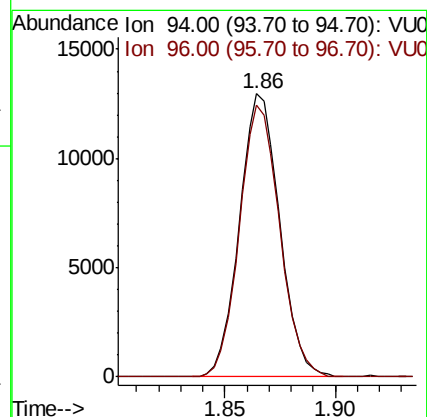
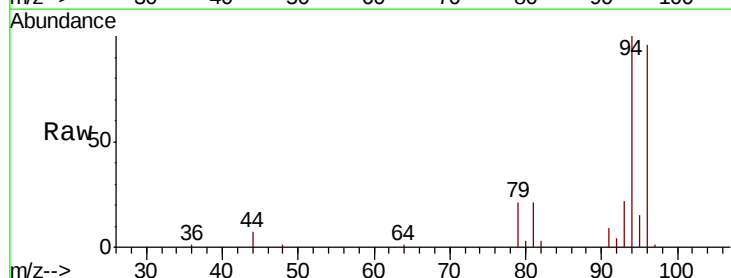
Acq: 06 Nov 2020 15:06

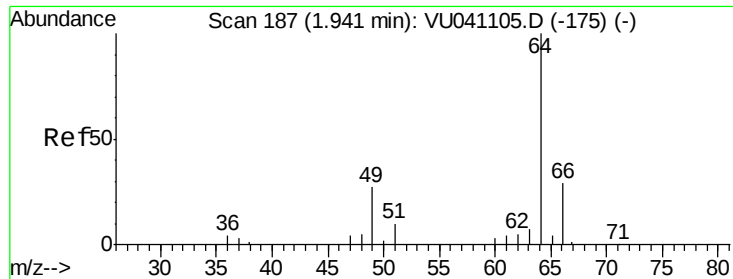
Tgt Ion: 94 Resp: 16375

Ion Ratio Lower Upper

94 100

96 95.8 63.5 117.9





#8

Chloroethane

Concen: 3.883 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_U

ClientSampleId :

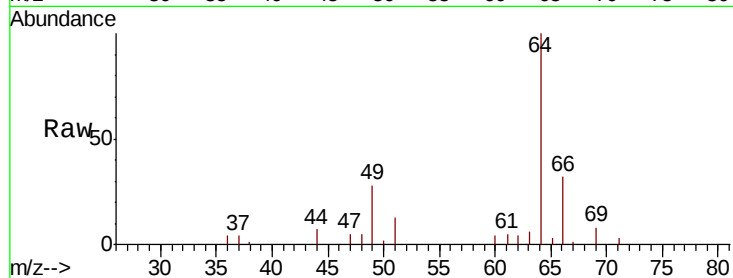
VSTD00519

Tot Ion: 64 Resp: 16527

Ion Ratio Lower Upper

64 100

66 32.2 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU041118.D (-94) (-)

Ion 66.05 (65.75 to 66.75): VU041118.D (-94) (-)

1.94

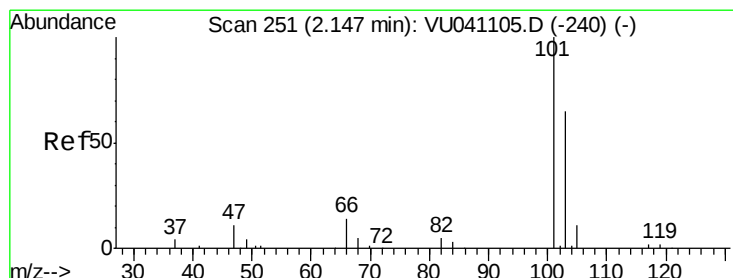
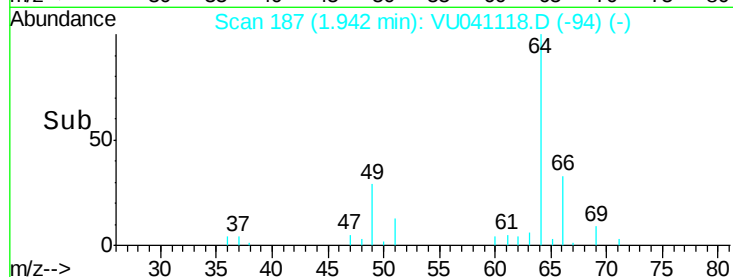
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 4.436 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041118.D

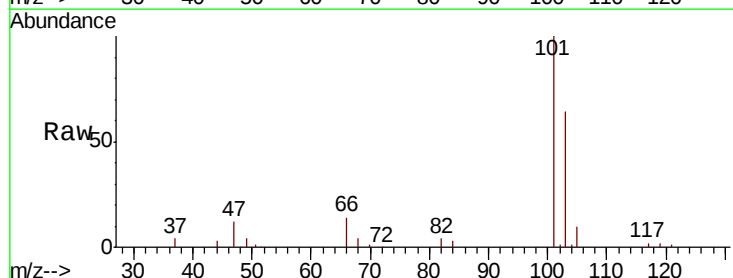
Acq: 06 Nov 2020 15:06

Tgt Ion: 101 Resp: 40507

Ion Ratio Lower Upper

101 100

103 64.4 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041118.D (-158) (-)

Ion 103.00 (102.70 to 103.70): VU041118.D (-158) (-)

2.15

30000

25000

20000

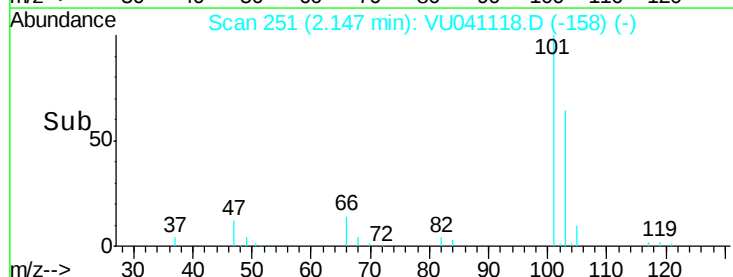
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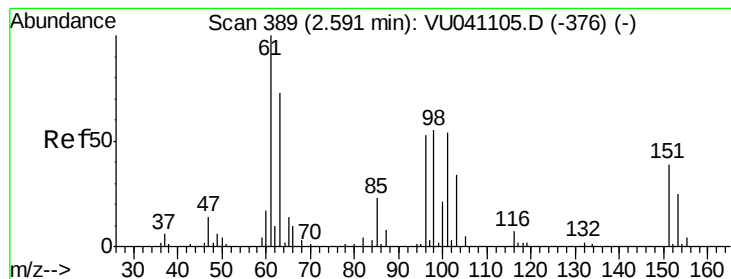
10000

5000

0

Time-->





#10

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

Concen: 4.552 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

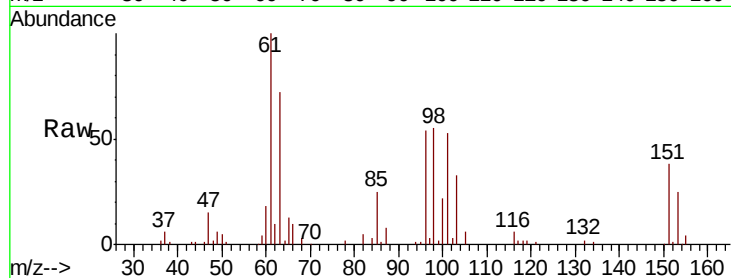
Tot Ion:101 Resp: 24361

Ion Ratio Lower Upper

101 100

85 46.0 35.0 52.4

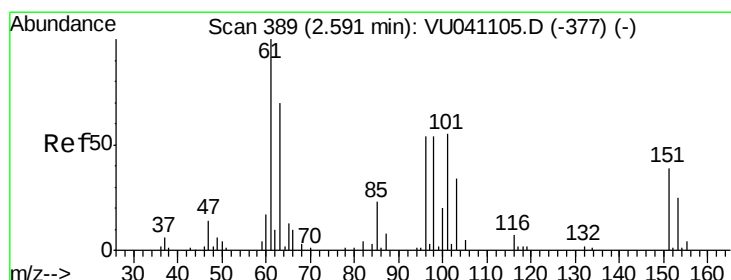
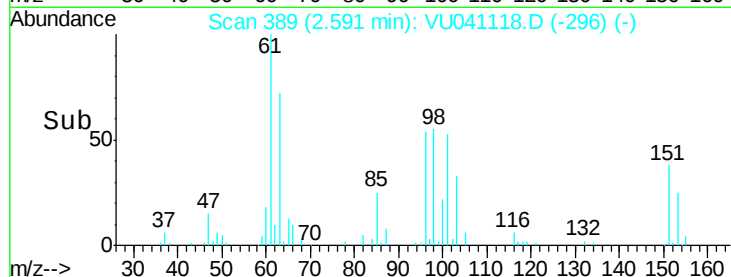
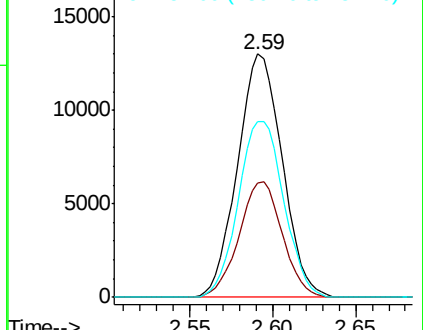
151 73.5 55.3 82.9



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: 4.240 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

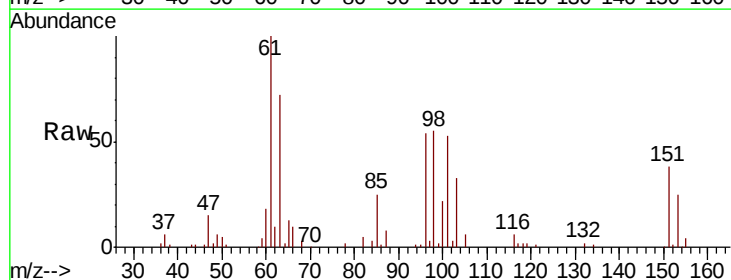
Tgt Ion: 96 Resp: 21421

Ion Ratio Lower Upper

96 100

61 185.3 134.3 249.5

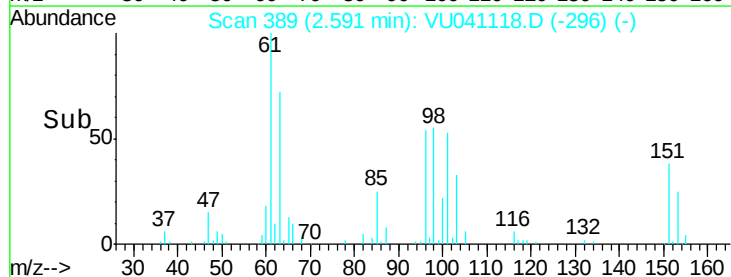
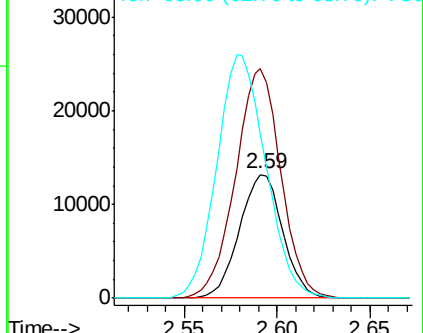
63 132.7 95.0 176.4

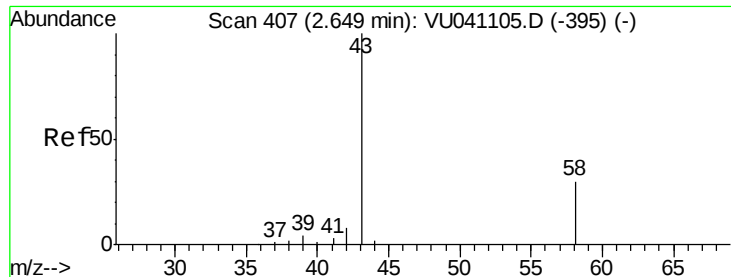


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.142 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_U

ClientSampleId :

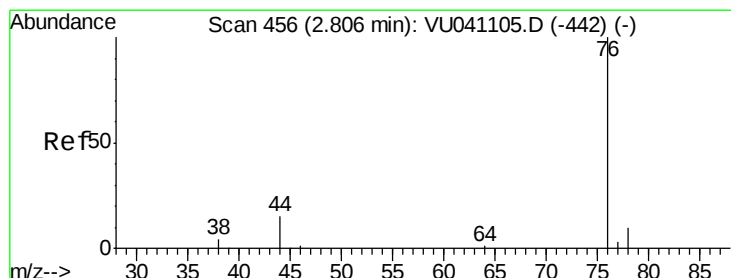
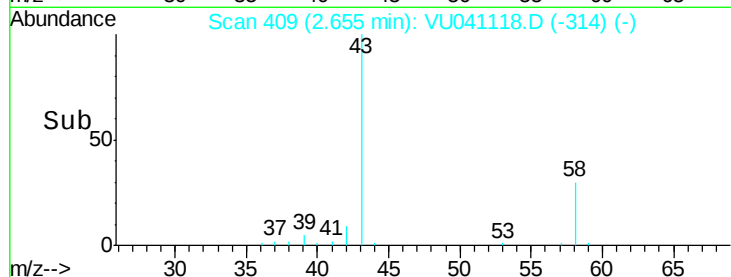
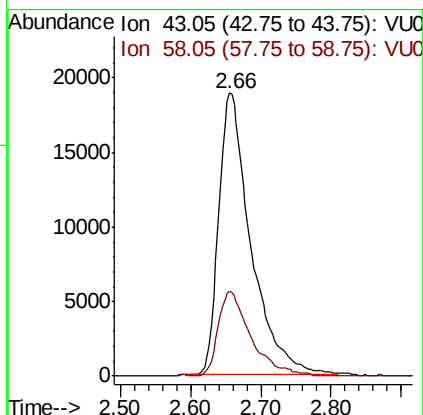
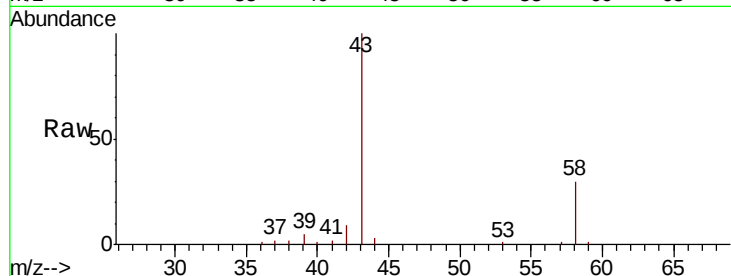
VSTD00519

Tot Ion: 43 Resp: 59722

Ion Ratio Lower Upper

43 100

58 30.8 0.0 25.4#



#14

Carbon disulfide

Concen: 3.861 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041118.D

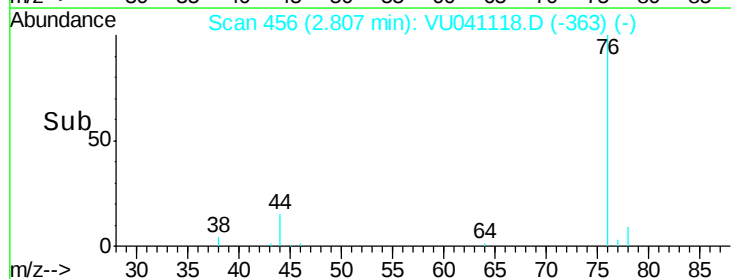
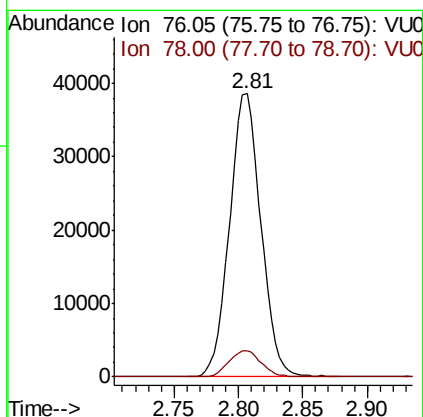
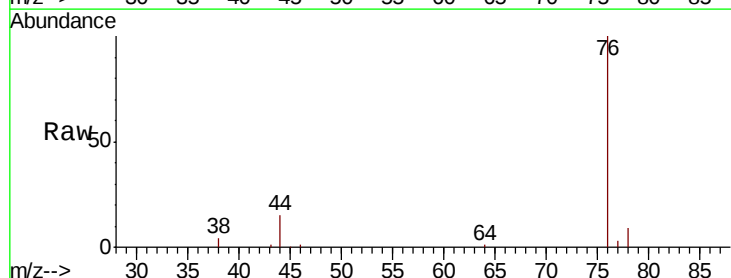
Acq: 06 Nov 2020 15:06

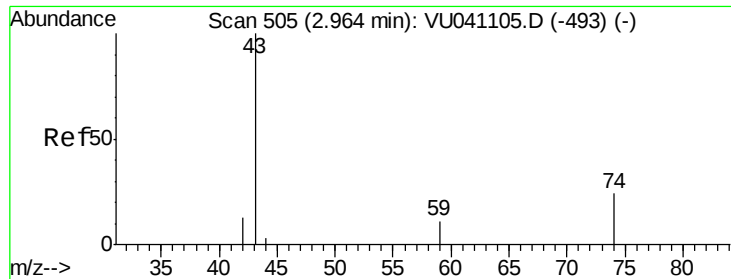
Tgt Ion: 76 Resp: 65189

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

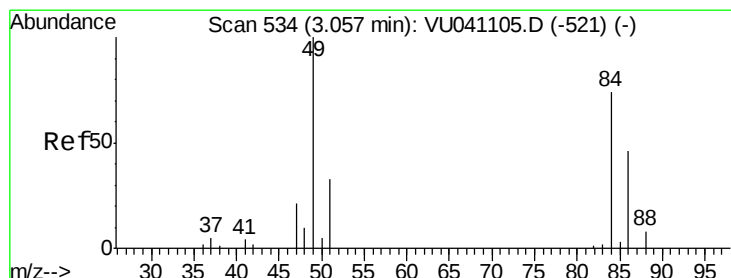
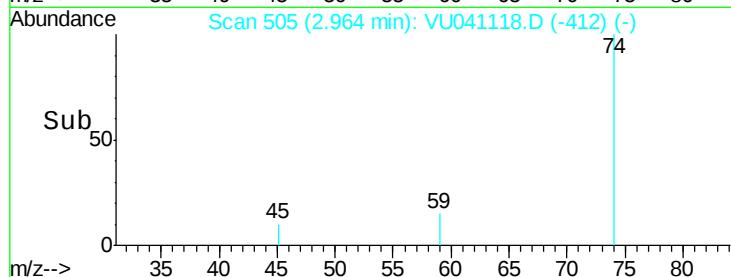
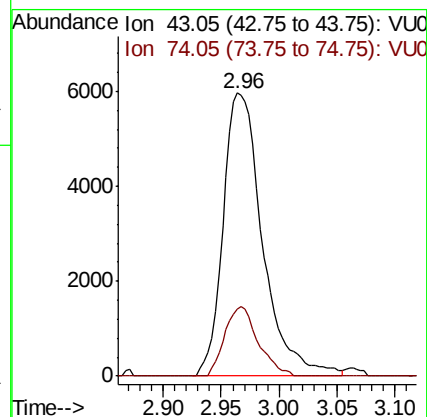
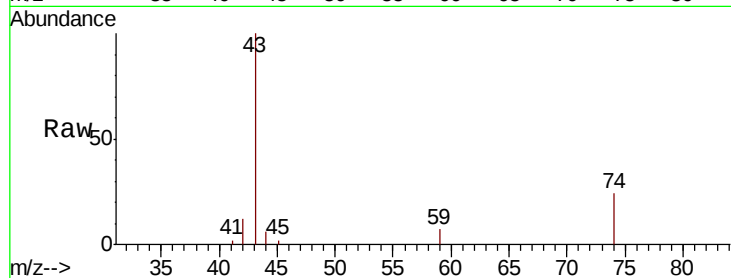




#15
Methvl Acetate
Concen: 4.542 ug/L
RT: 2.96 min Scan# 505
Delta R.T. 0.00 min
Lab File: VU041118.D
Acq: 06 Nov 2020 15:06

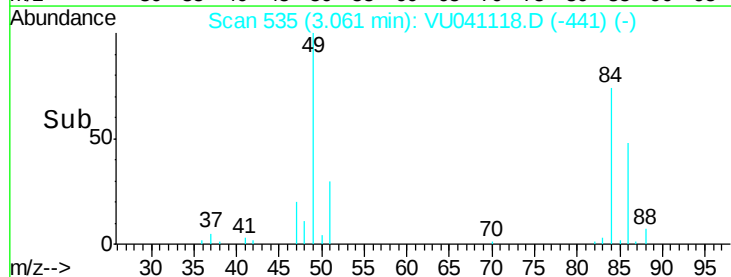
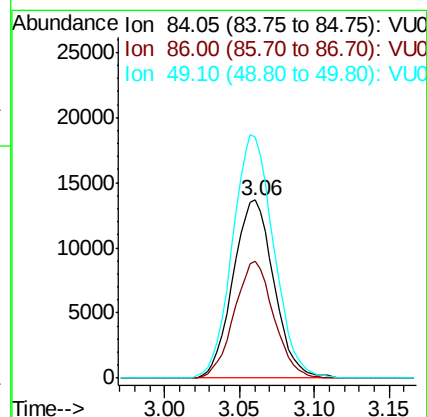
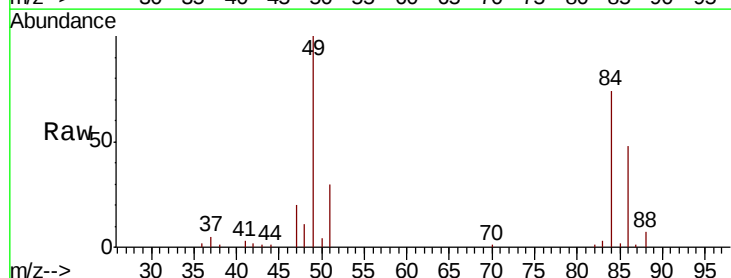
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

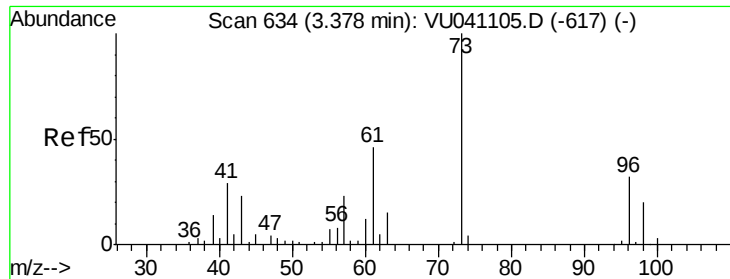
Tot Ion: 43 Resp: 14061
Ion Ratio Lower Upper
43 100
74 20.8 18.3 27.5



#16
Methylene chloride
Concen: 4.419 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041118.D
Acq: 06 Nov 2020 15:06

Tgt Ion: 84 Resp: 26019
Ion Ratio Lower Upper
84 100
86 65.5 42.8 79.6
49 135.6 99.5 184.7

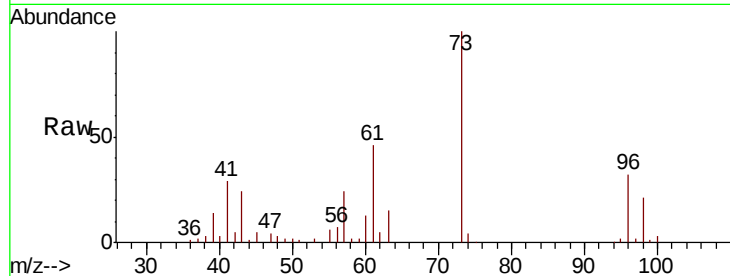




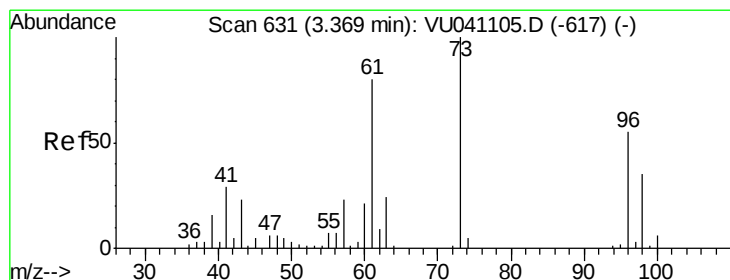
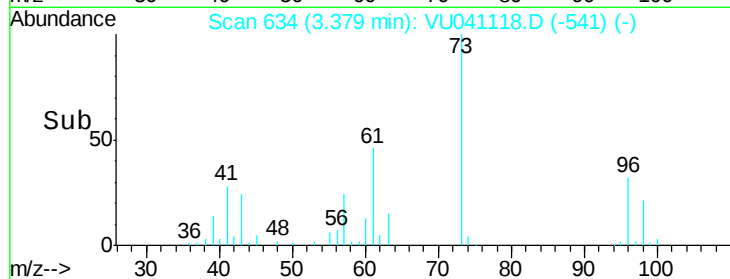
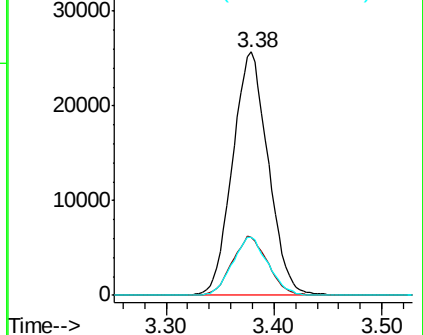
#17
Methvl tert-butvl Ether
Concen: 4.565 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041118.D
Acq: 06 Nov 2020 15:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tot Ion: 73 Resp: 59368
Ion Ratio Lower Upper
73 100
43 24.0 18.5 27.7
57 23.6 18.4 27.6

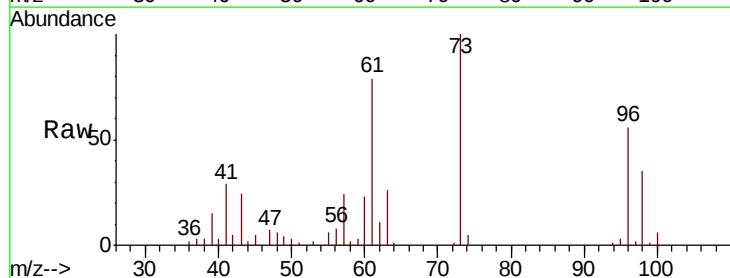


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

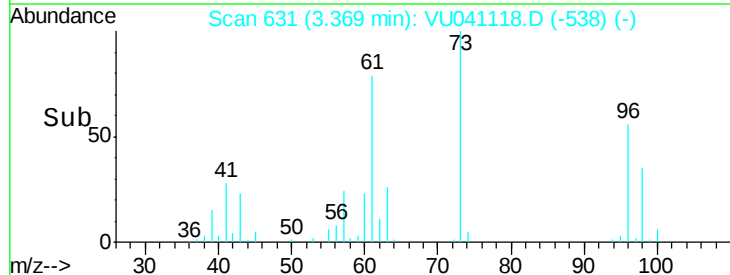
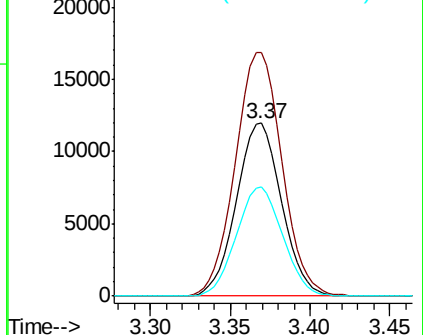


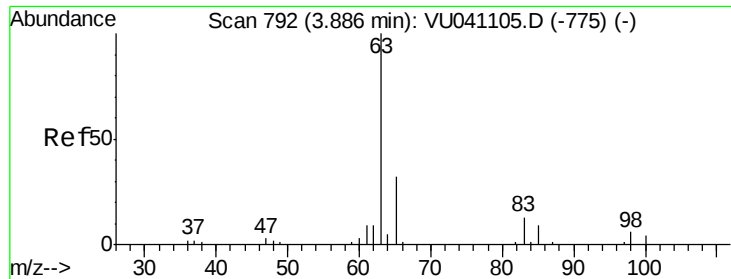
#18
trans-1,2-Dichloroethene
Concen: 4.494 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041118.D
Acq: 06 Nov 2020 15:06

Tgt Ion: 96 Resp: 23075
Ion Ratio Lower Upper
96 100
61 140.7 110.9 205.9
98 63.0 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

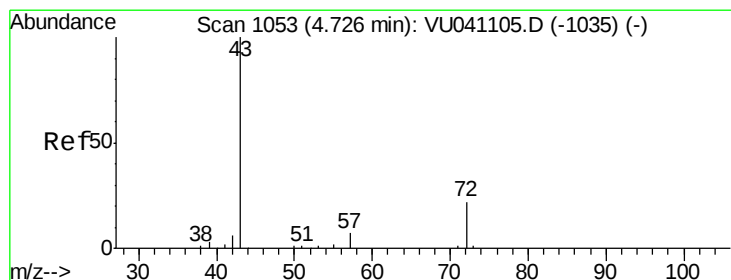
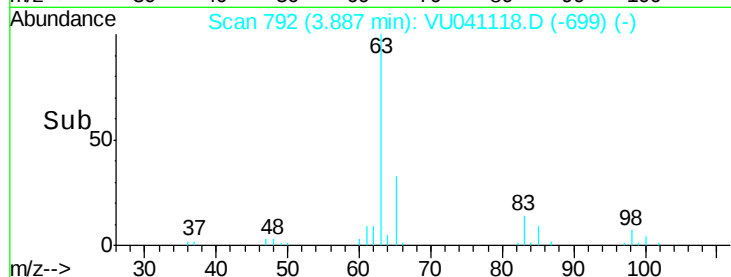
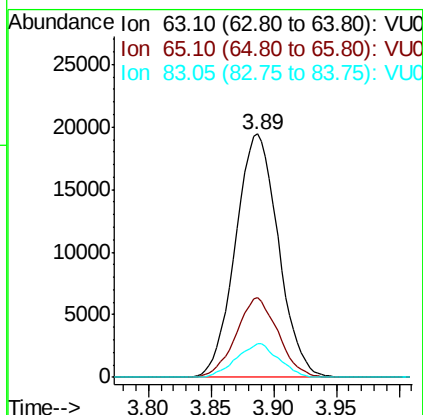
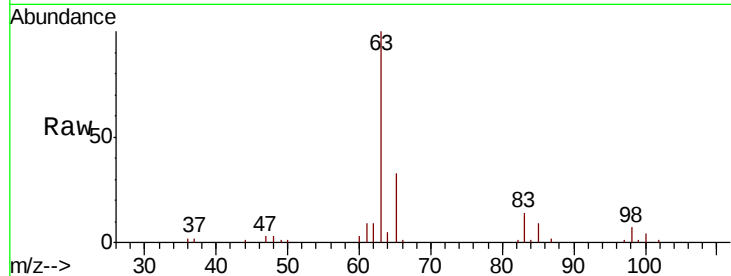




#19
 1,1-Dichloroethane
 Concen: 4.506 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

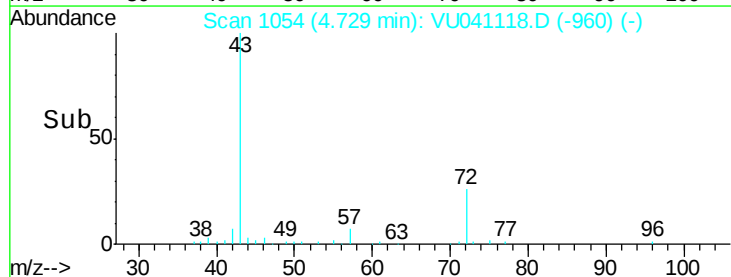
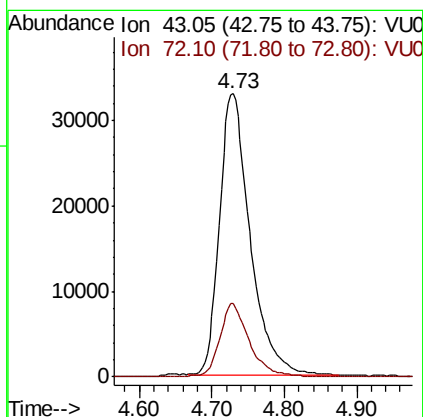
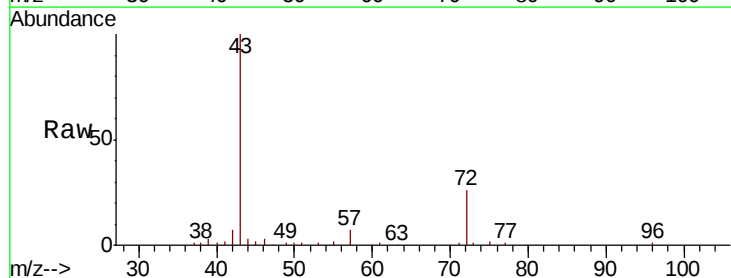
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

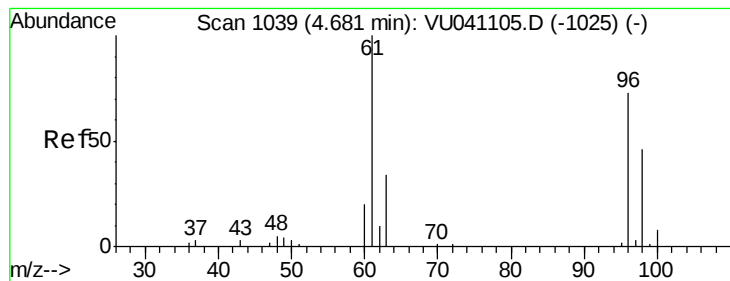
Tot Ion: 63 Resp: 46256
 Ion Ratio Lower Upper
 63 100
 65 32.8 21.3 39.6
 83 13.8 8.8 16.3



#21
 2-Butanone
 Concen: 45.513 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

Tgt Ion: 43 Resp: 96239
 Ion Ratio Lower Upper
 43 100
 72 25.2 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 4.670 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

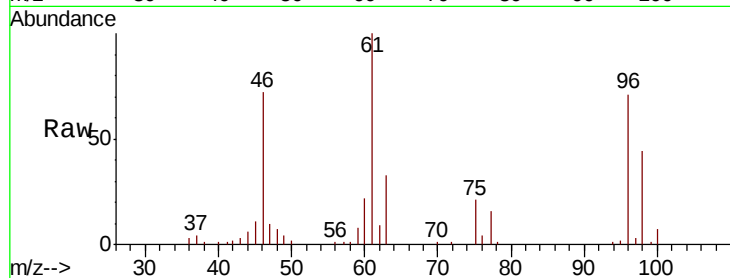
Tot Ion: 96 Resp: 24734

Ion Ratio Lower Upper

96 100

61 140.6 97.2 180.4

68 0.0 0.0 0.0

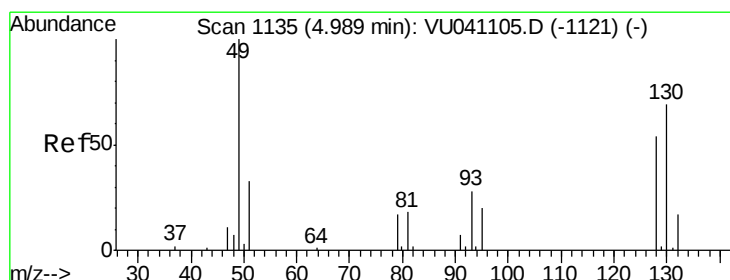
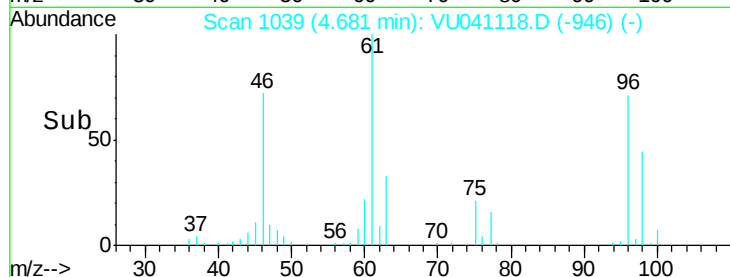
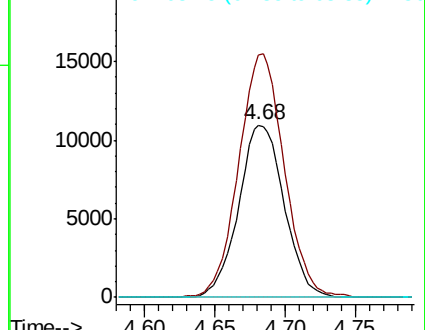


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.064 ug/L

RT: 4.99 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

Tgt Ion: 128 Resp: 12653

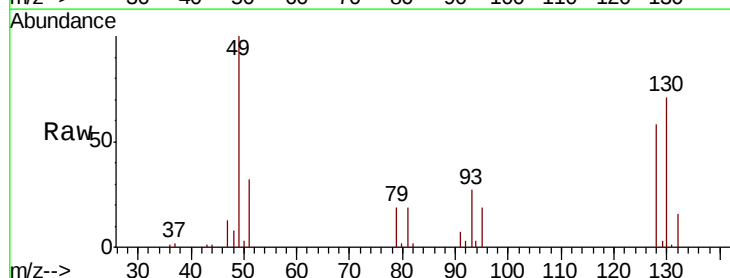
Ion Ratio Lower Upper

128 100

49 171.2 135.0 250.8

130 121.2 89.9 167.0

51 54.7 51.9 77.9



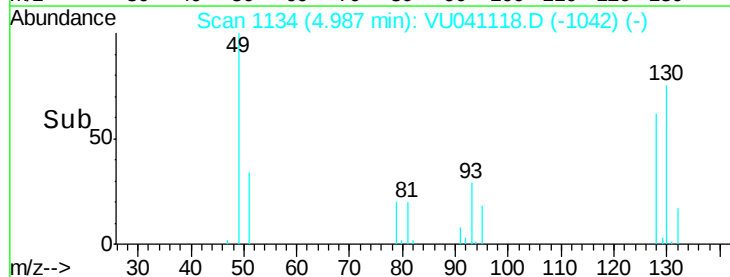
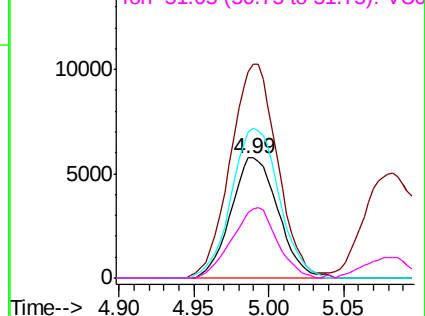
Abundance

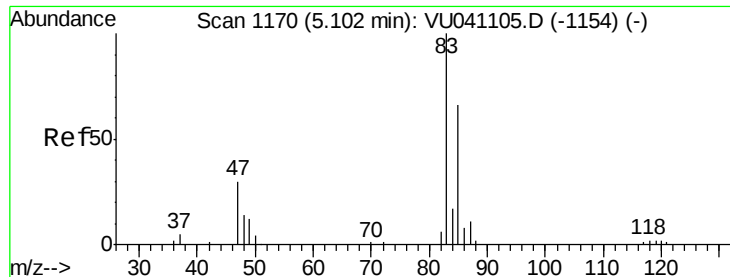
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

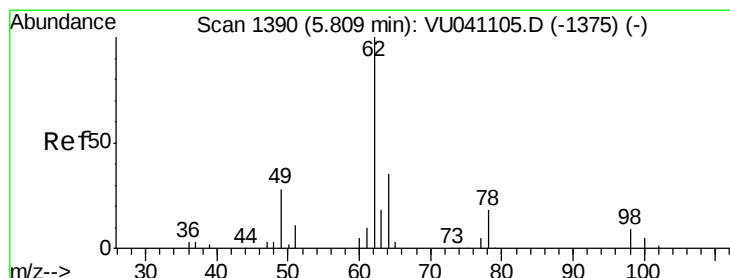
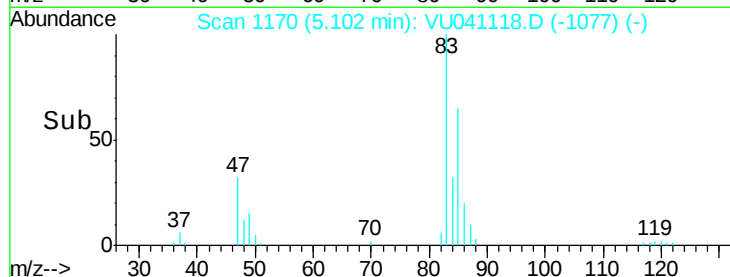
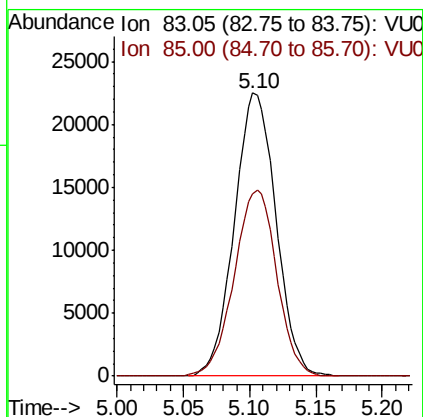
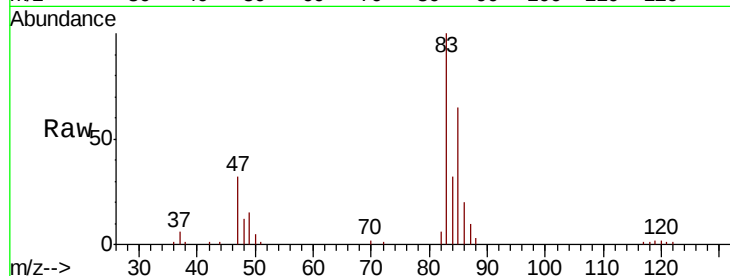




#25
Chloroform
Concen: 4.774 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VU041118.D
Acq: 06 Nov 2020 15:06

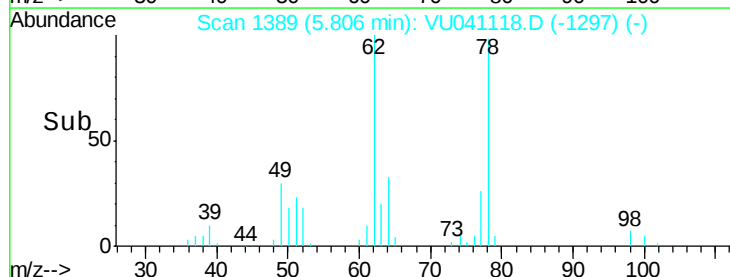
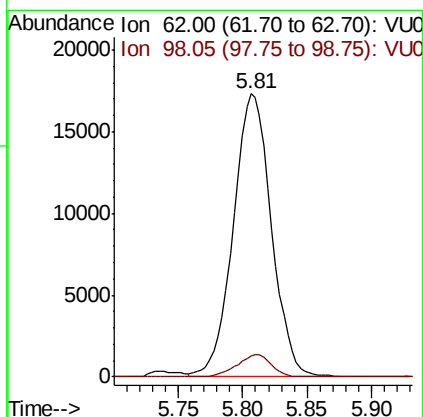
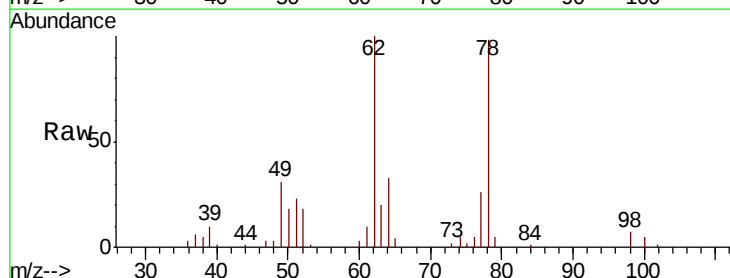
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

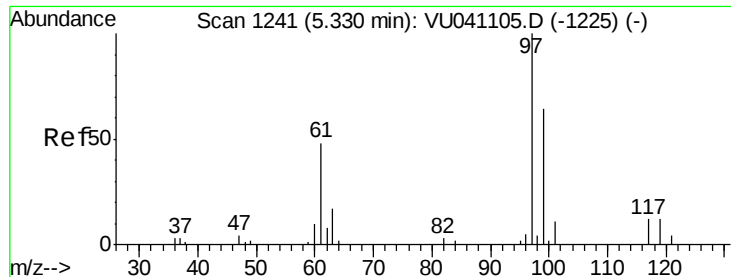
Tot Ion: 83 Resp: 49143
Ion Ratio Lower Upper
83 100
85 64.6 46.1 85.7



#27
1,2-Dichloroethane
Concen: 4.638 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041118.D
Acq: 06 Nov 2020 15:06

Tgt Ion: 62 Resp: 35563
Ion Ratio Lower Upper
62 100
98 7.3 7.6 11.4#



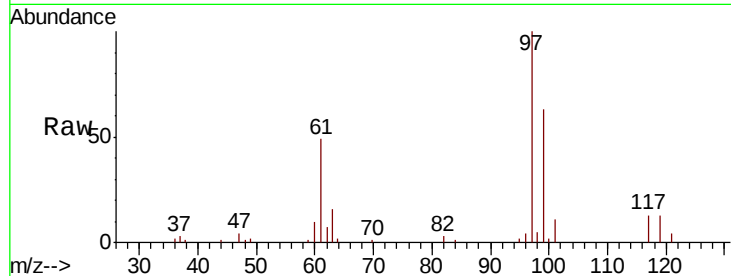


#29
 1,1,1-Trichloroethane
 Concen: 4.761 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

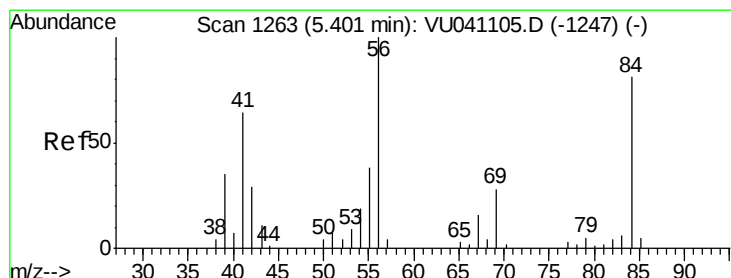
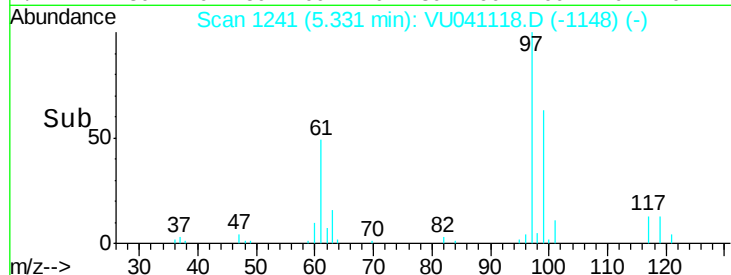
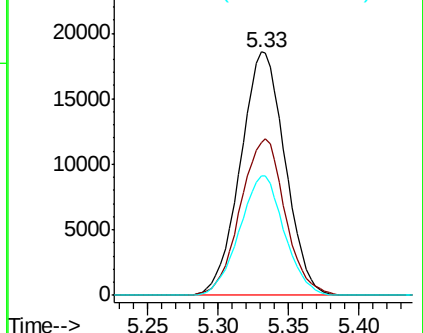
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tot Ion: 97 Resp: 41087

Ion	Ratio	Lower	Upper
97	100		
99	64.3	53.4	80.0
61	49.2	41.6	62.4



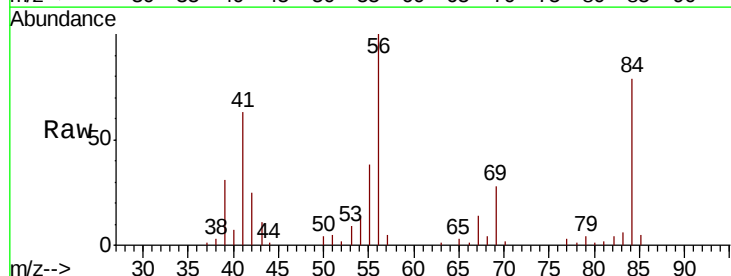
Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0



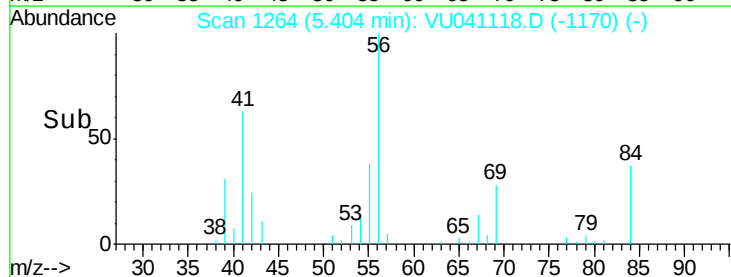
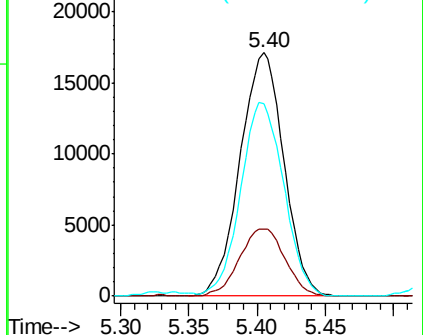
#30
 Cyclohexane
 Concen: 4.483 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

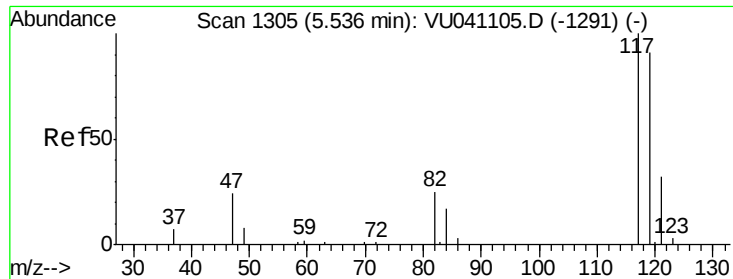
Tgt Ion: 56 Resp: 38114

Ion	Ratio	Lower	Upper
56	100		
69	28.7	22.8	34.2
84	78.4	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: 4.750 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_U

ClientSampleId :

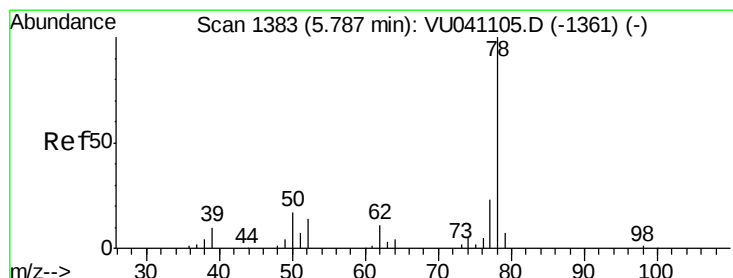
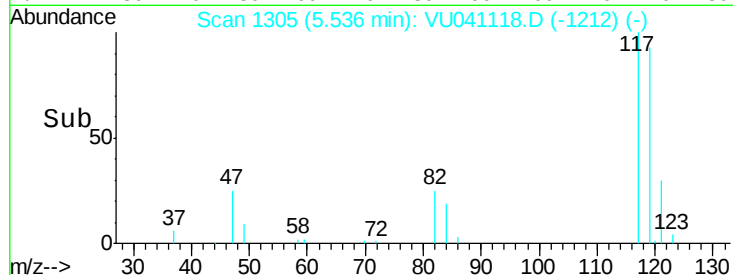
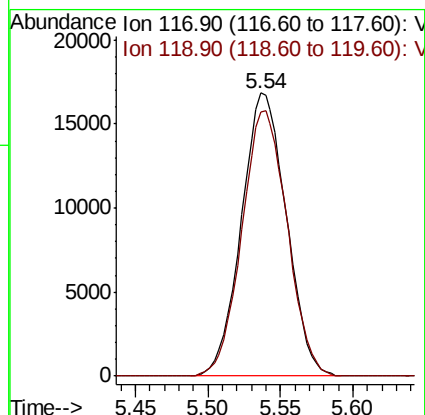
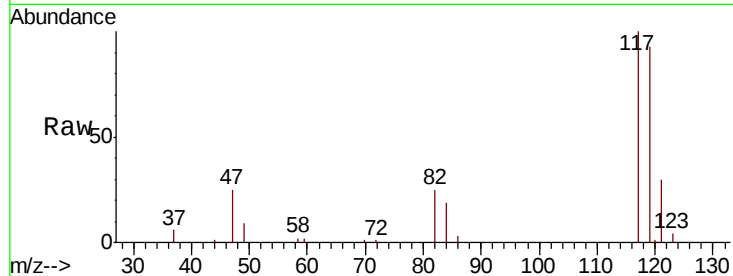
VSTD00519

Tot Ion:117 Resp: 36298

Ion Ratio Lower Upper

117 100

119 94.7 76.1 114.1



#33

Benzene

Concen: 4.699 ug/L

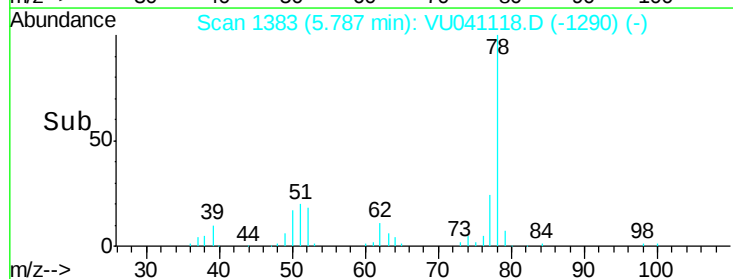
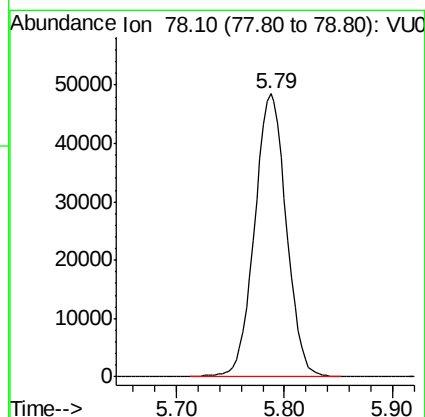
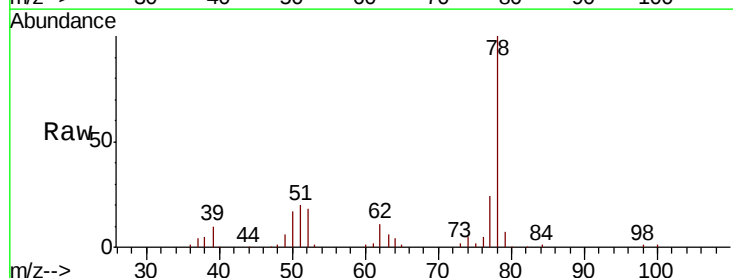
RT: 5.79 min Scan# 1383

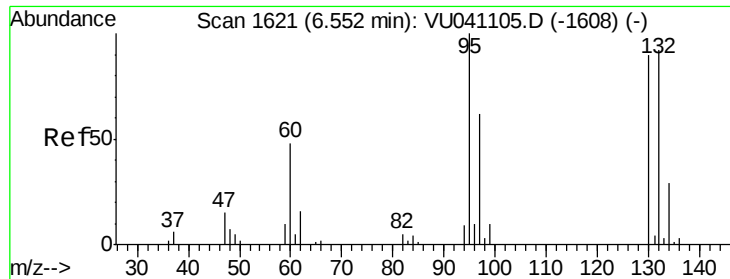
Delta R.T. 0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

Tgt Ion: 78 Resp: 99072

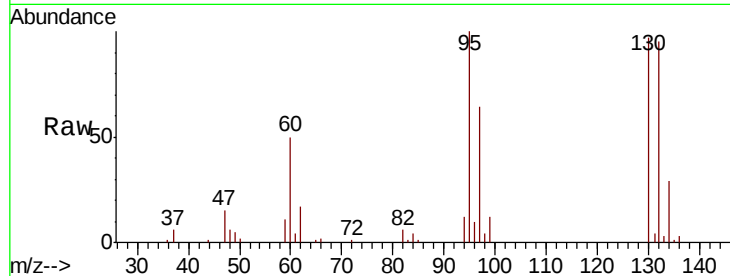




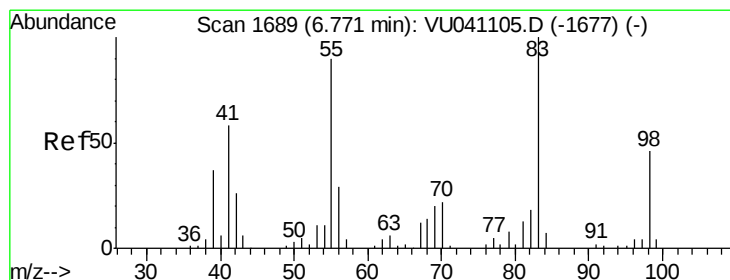
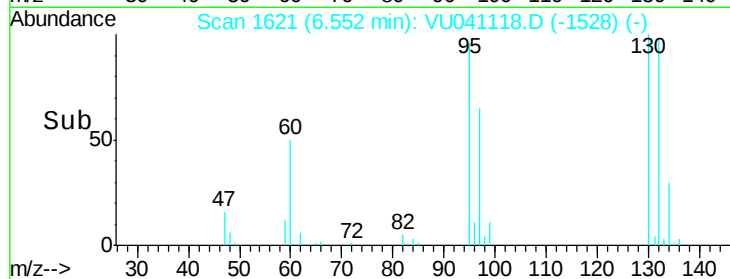
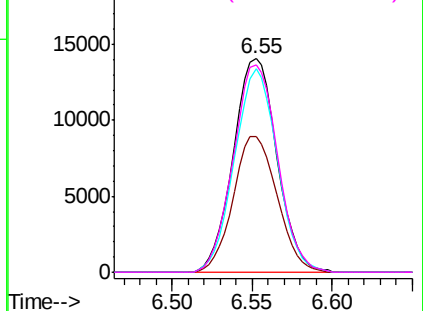
#34
 Trichloroethene
 Concen: 4.884 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tot Ion: 95 Resp: 26203
 Ion Ratio Lower Upper
 95 100
 97 63.6 45.6 84.6
 132 95.4 64.8 120.4
 130 97.3 64.8 120.4

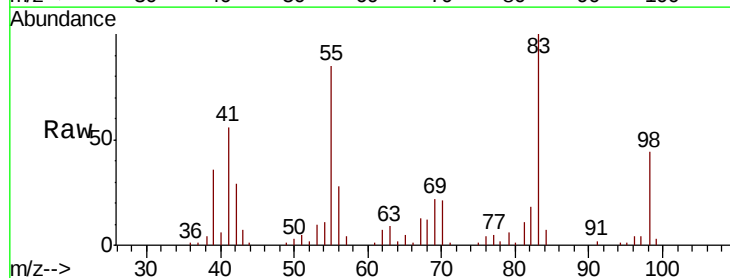


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

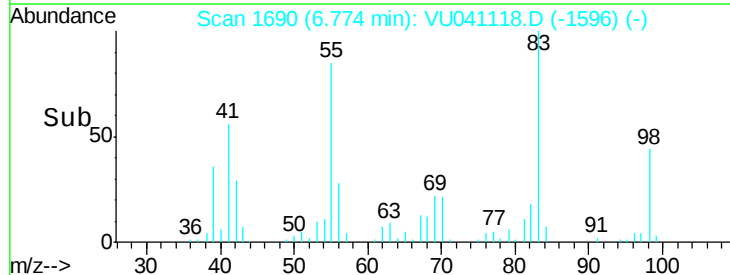
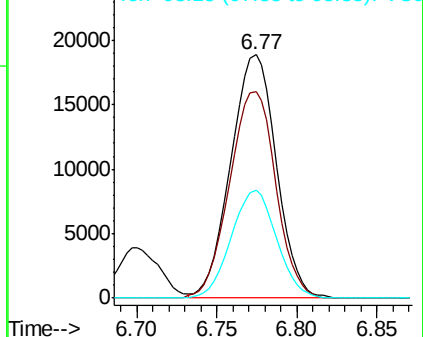


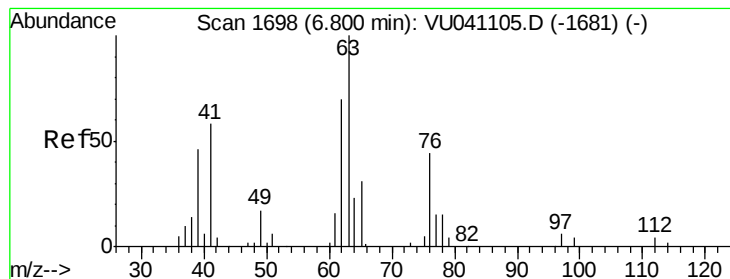
#35
 Methylcyclohexane
 Concen: 4.595 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

Tgt Ion: 83 Resp: 36773
 Ion Ratio Lower Upper
 83 100
 55 85.9 72.0 108.0
 98 44.1 36.6 55.0



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





#37

1,2-Dichloropropane

Concen: 4.848 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_U

ClientSampleId :

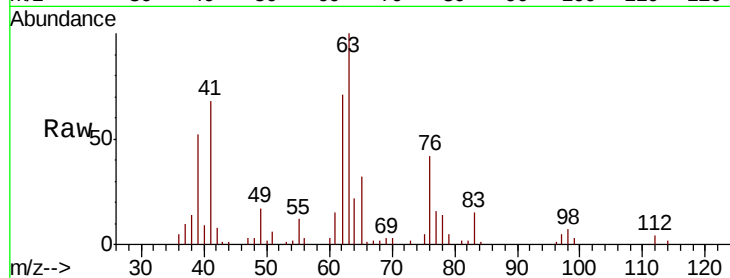
VSTD00519

Tot Ion: 63 Resp: 27656

Ion Ratio Lower Upper

63 100

112 3.5 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU041118.D (-1605) (-)

Ion 112.10 (111.80 to 112.80): VU041118.D (-1605) (-)

6.80

15000

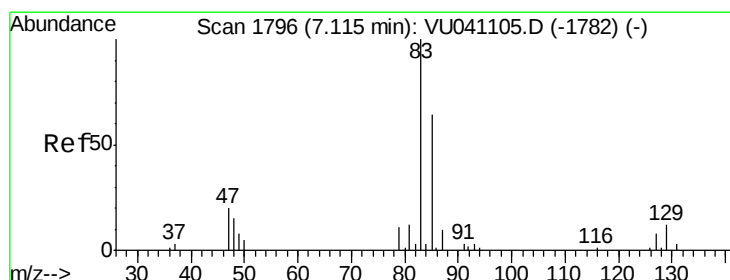
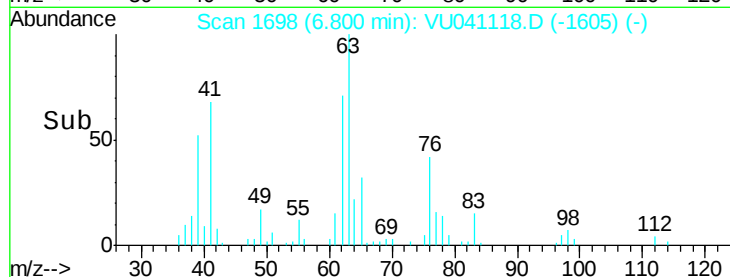
10000

5000

0

6.70 6.75 6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 4.800 ug/L

RT: 7.12 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

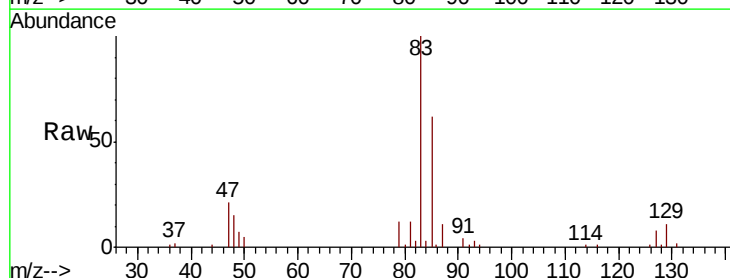
Tgt Ion: 83 Resp: 35522

Ion Ratio Lower Upper

83 100

85 62.3 43.3 80.3

127 7.8 5.9 8.9



Abundance Ion 82.95 (82.65 to 83.65): VU041118.D (-1703) (-)

Ion 85.00 (84.70 to 85.70): VU041118.D (-1703) (-)

Ion 126.90 (126.60 to 127.60): VU041118.D (-1703) (-)

7.12

25000

20000

15000

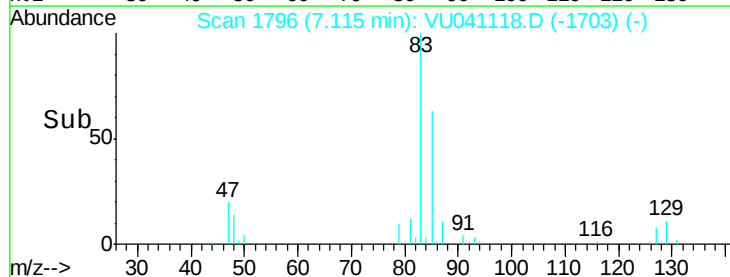
10000

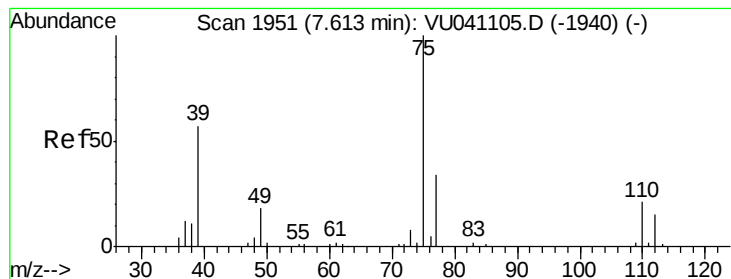
5000

0

7.05 7.10 7.15 7.20

Time-->



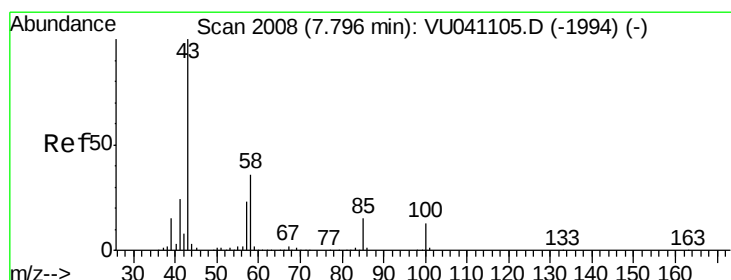
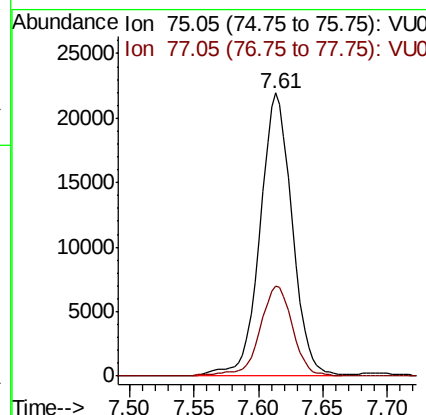
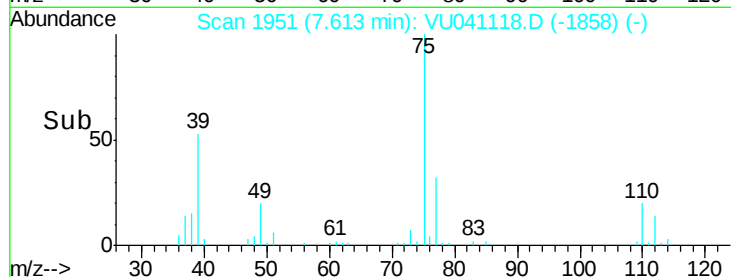
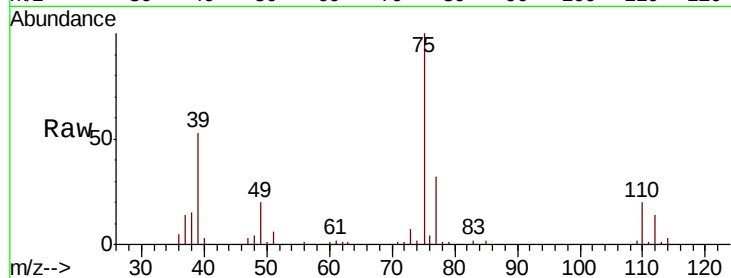


#39

cis-1,3-Dichloropropene
 Concen: 4.880 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

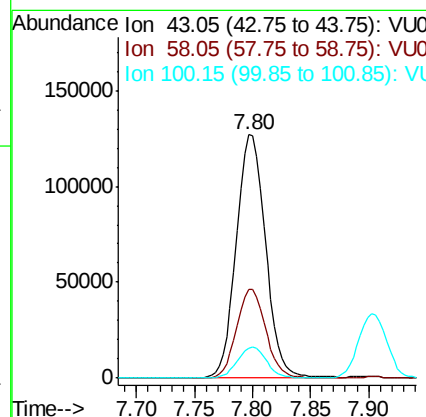
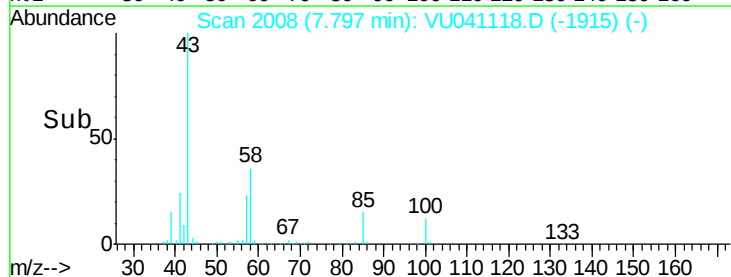
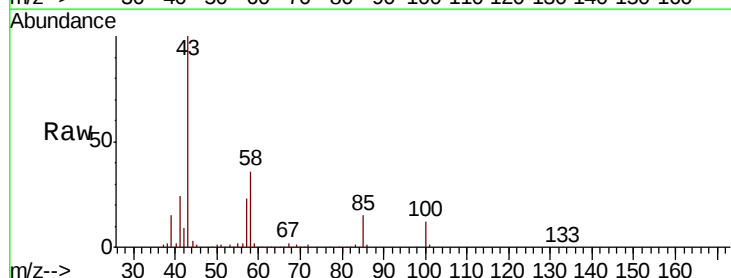
Tot Ion: 75 Resp: 38327
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.7 42.3

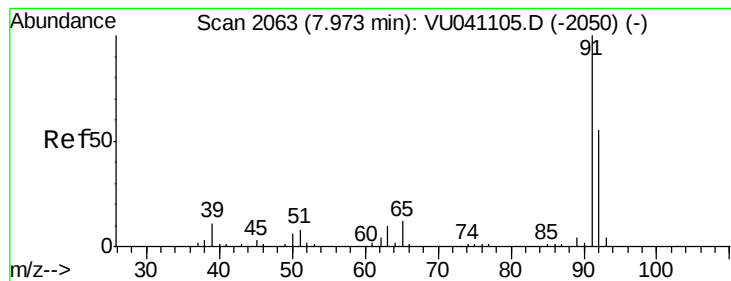


#40

4-Methyl-2-pentanone
 Concen: 49.117 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

Tgt Ion: 43 Resp: 223410
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.8 44.6
 100 12.5 10.5 15.7





#42

Toluene

Concen: 4.937 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_U

ClientSampleId :

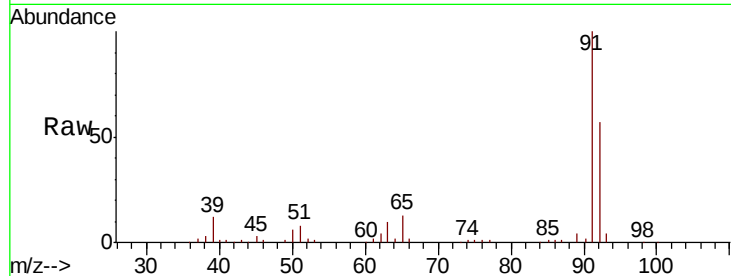
VSTD00519

Tot Ion: 91 Resp: 105541

Ion Ratio Lower Upper

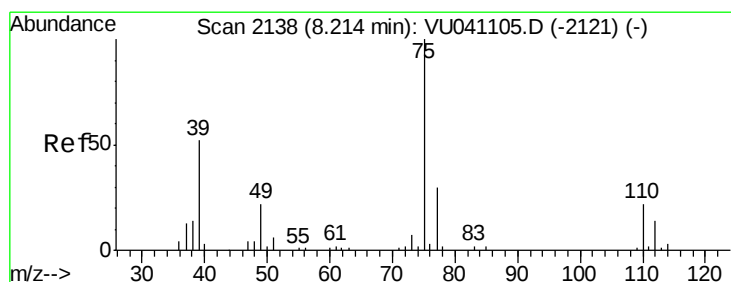
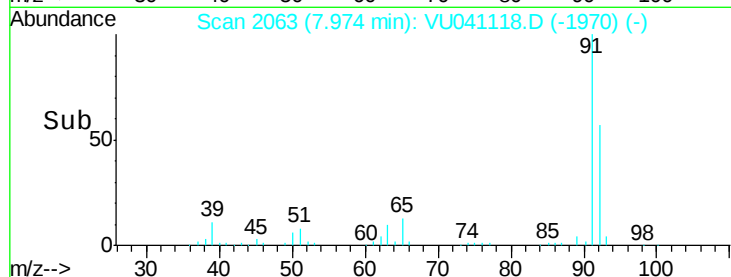
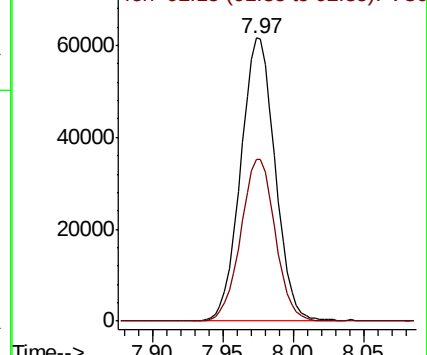
91 100

92 57.1 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.878 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041118.D

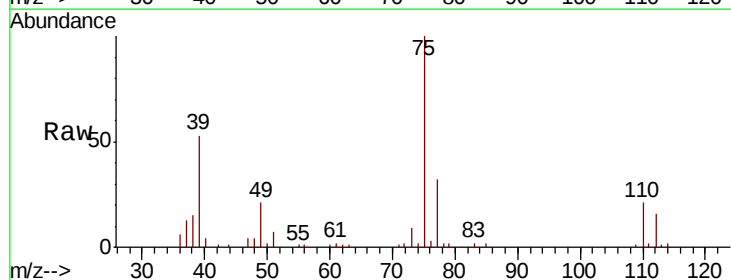
Acq: 06 Nov 2020 15:06

Tgt Ion: 75 Resp: 35859

Ion Ratio Lower Upper

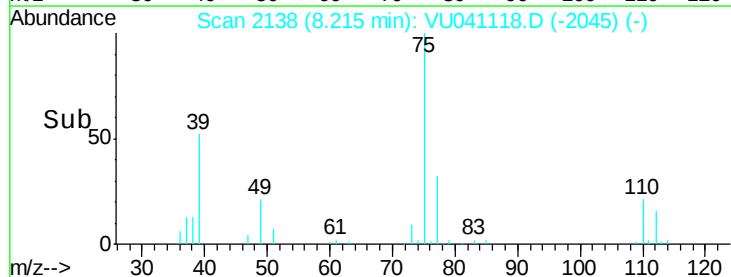
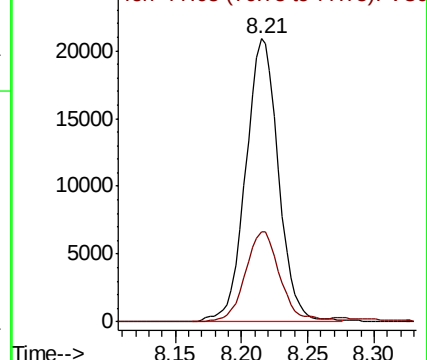
75 100

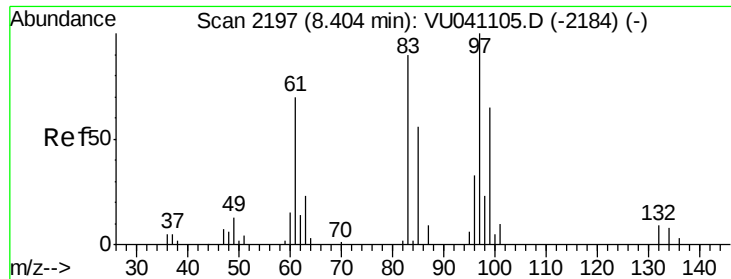
77 32.0 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

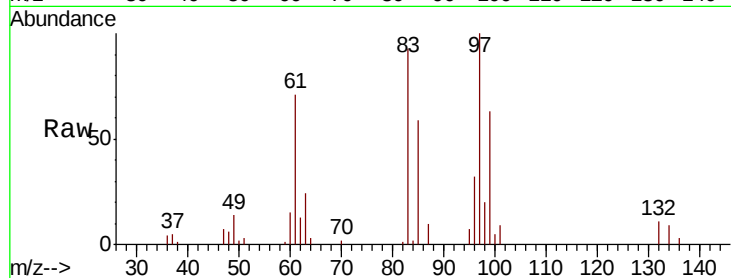




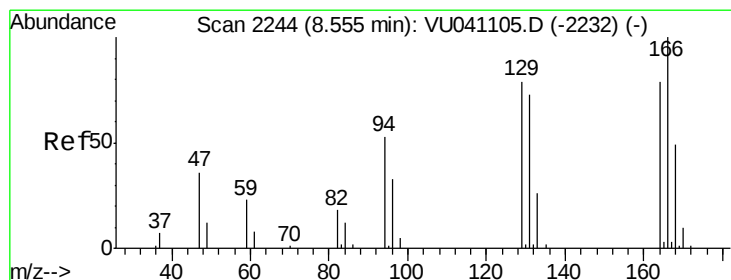
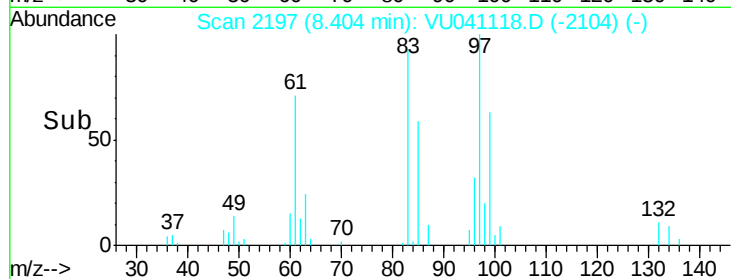
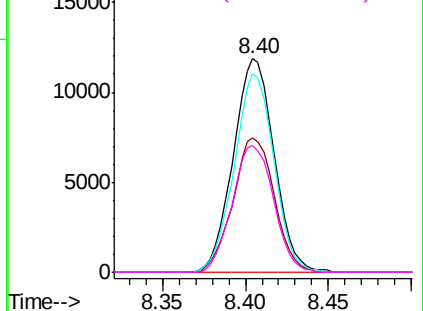
#45
 1,1,2-Trichloroethane
 Concen: 4.800 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tot Ion: 97 Resp: 20382
 Ion Ratio Lower Upper
 97 100
 99 63.0 45.8 85.2
 83 93.0 67.9 126.1
 85 59.1 42.8 79.6

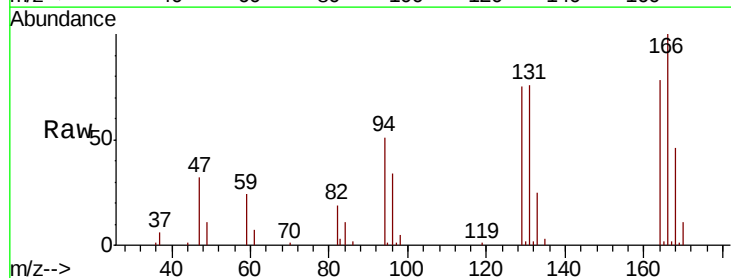


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

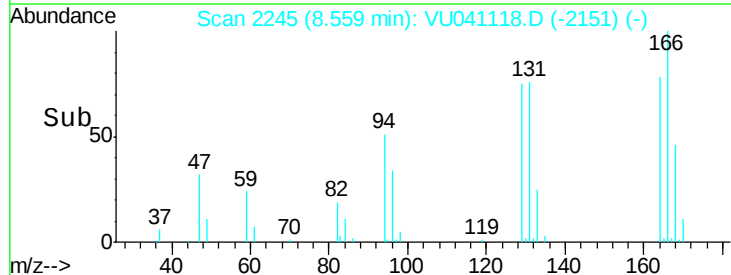
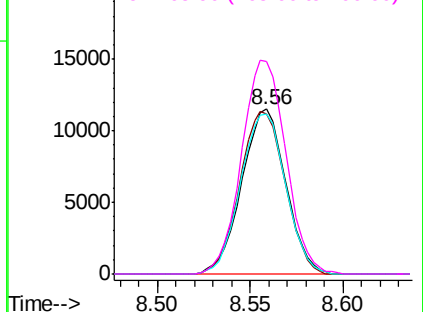


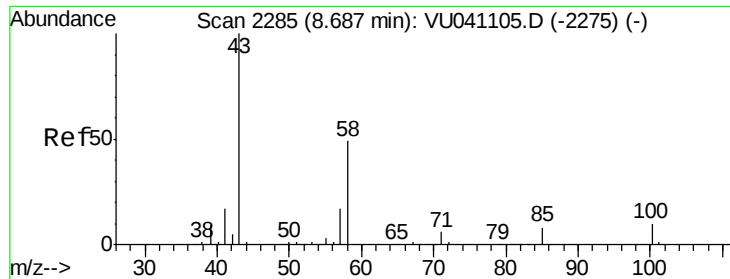
#47
 Tetrachloroethene
 Concen: 4.816 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

Tgt Ion: 164 Resp: 19000
 Ion Ratio Lower Upper
 164 100
 129 96.9 70.3 130.7
 131 97.2 70.8 131.4
 166 128.4 92.0 170.8



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

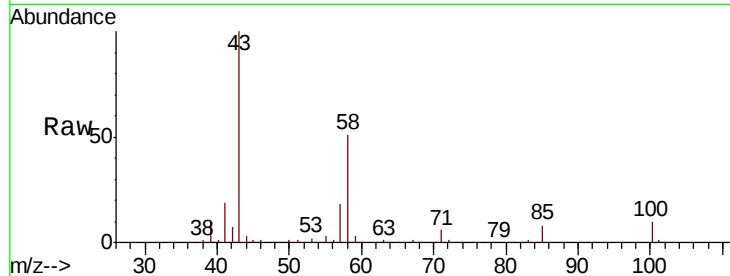




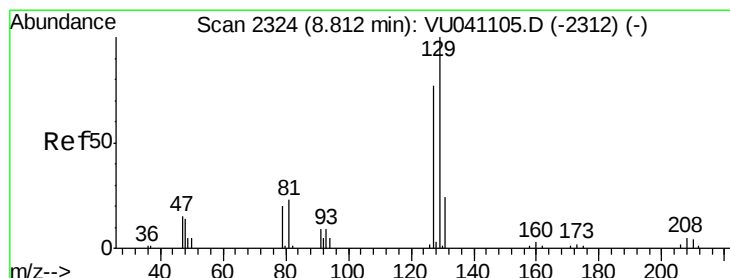
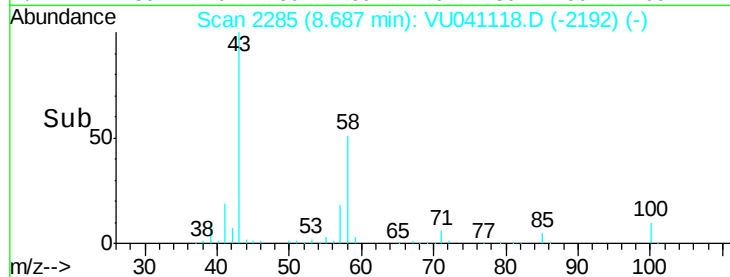
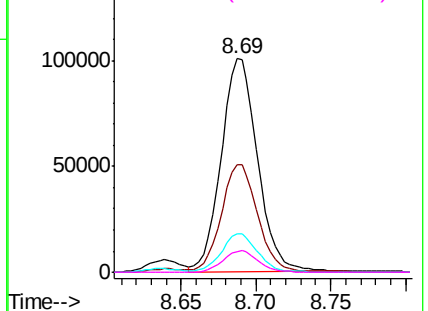
#48
2-Hexanone
Concen: 49.477 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VU041118.D
Acq: 06 Nov 2020 15:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tot Ion: 43 Resp: 169450
Ion Ratio Lower Upper
43 100
58 50.1 41.4 62.2
57 18.2 14.6 21.8
100 10.0 8.3 12.5

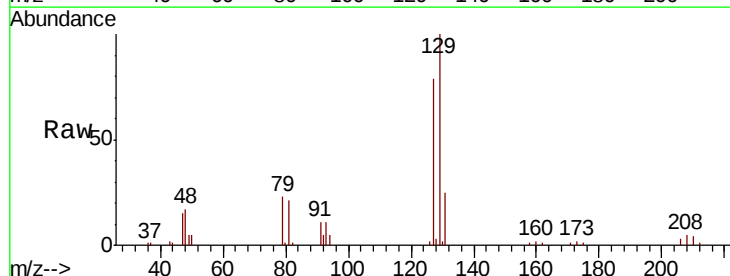


Abundance Ion 43.05 (42.75 to 43.75): VU041118.D (-2192) (-)
Ion 58.05 (57.75 to 58.75): VU041118.D (-2192) (-)
Ion 57.20 (56.90 to 57.90): VU041118.D (-2192) (-)
Ion 100.15 (99.85 to 100.85): VU041118.D (-2192) (-)

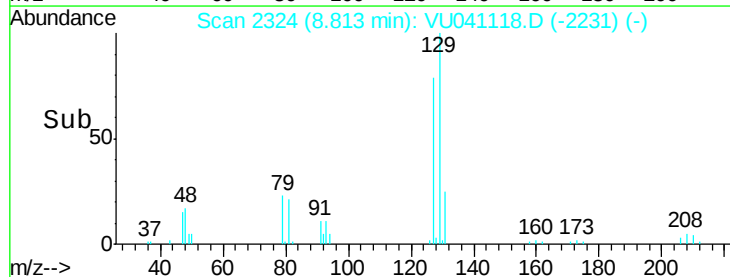
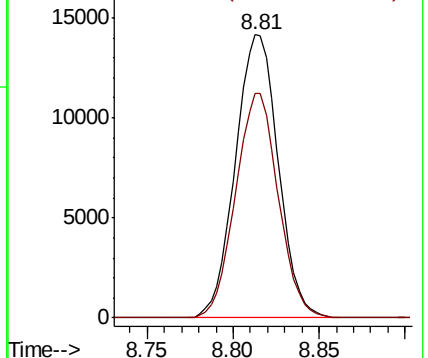


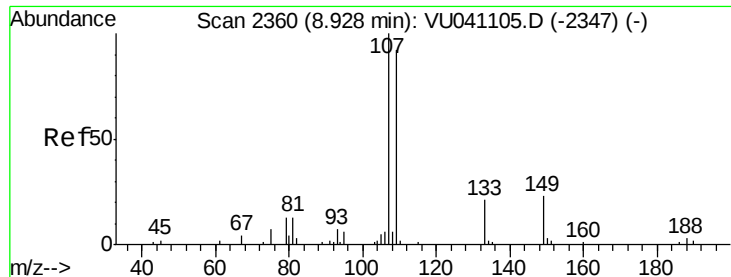
#49
Dibromochloromethane
Concen: 4.958 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041118.D
Acq: 06 Nov 2020 15:06

Tgt Ion: 129 Resp: 24452
Ion Ratio Lower Upper
129 100
127 79.5 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041118.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041118.D (-2231) (-)

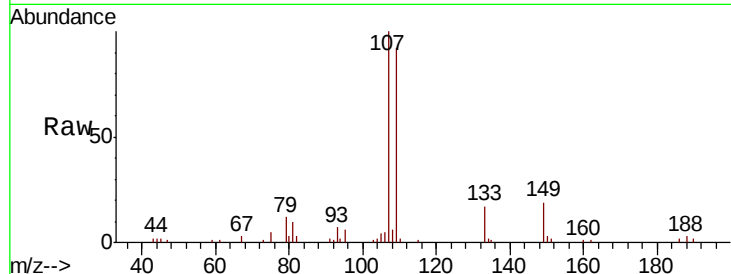




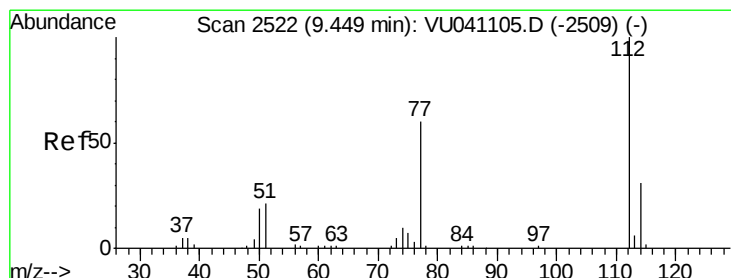
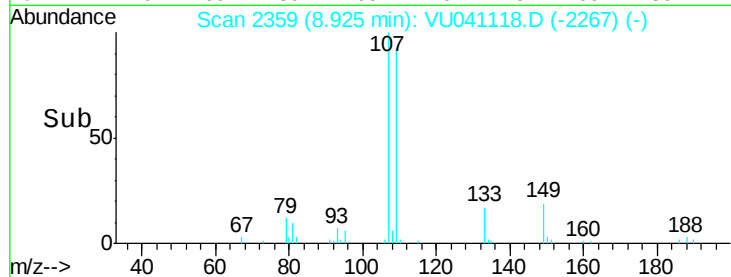
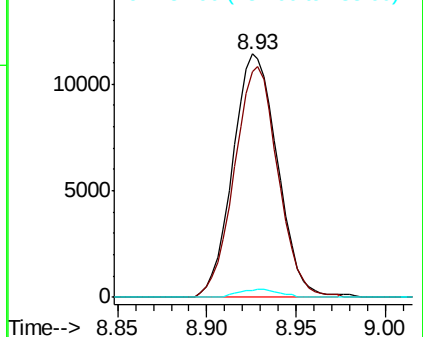
#50
 1,2-Dibromoethane
 Concen: 4.921 ug/L
 RT: 8.93 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tot Ion:107 Resp: 19913
 Ion Ratio Lower Upper
 107 100
 109 92.5 65.6 121.8
 188 3.0 2.9 4.3

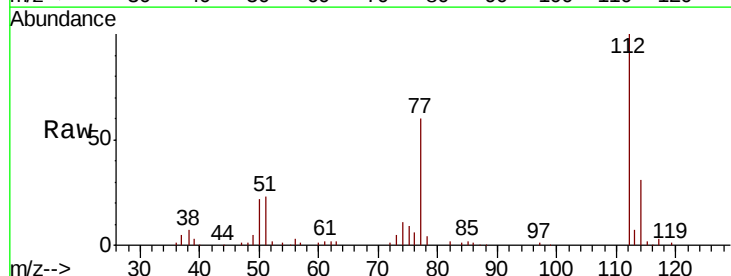


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

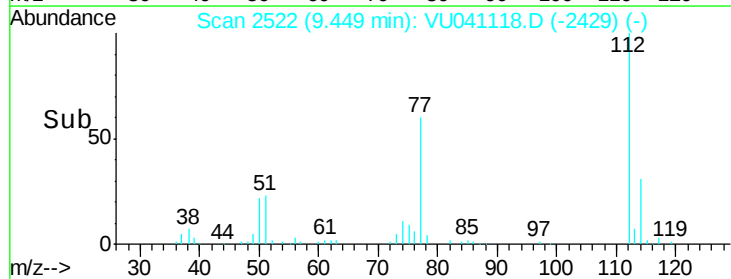
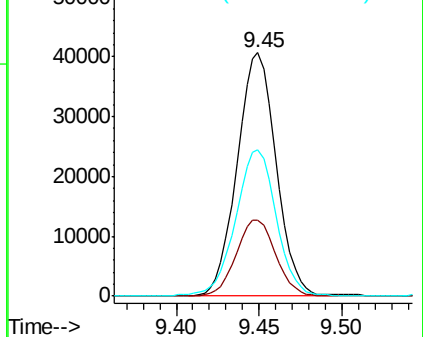


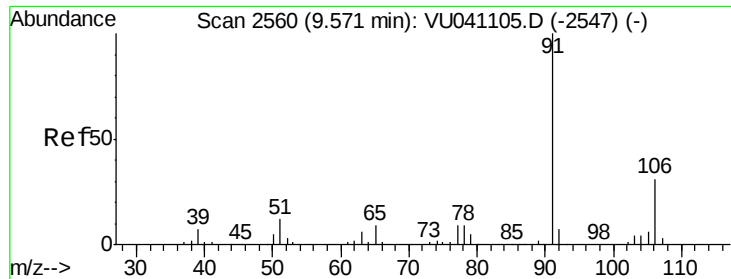
#51
 Chlorobenzene
 Concen: 4.909 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

Tgt Ion:112 Resp: 66541
 Ion Ratio Lower Upper
 112 100
 114 31.2 22.4 41.6
 77 60.3 51.2 76.8



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.832 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_U

ClientSampleId :

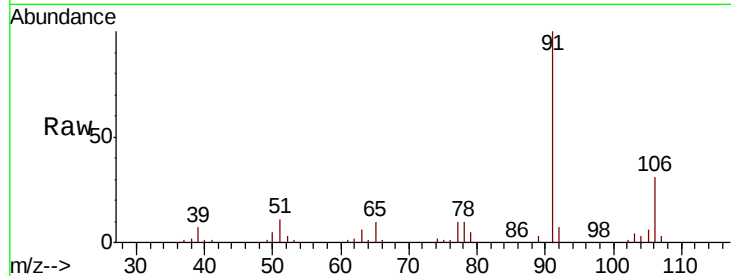
VSTD00519

Tot Ion: 91 Resp: 108738

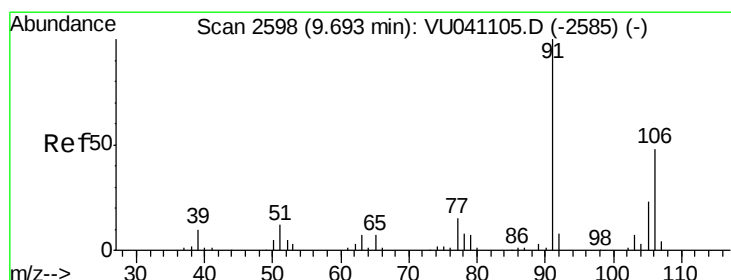
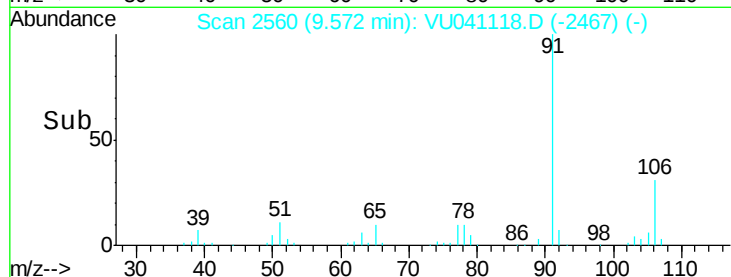
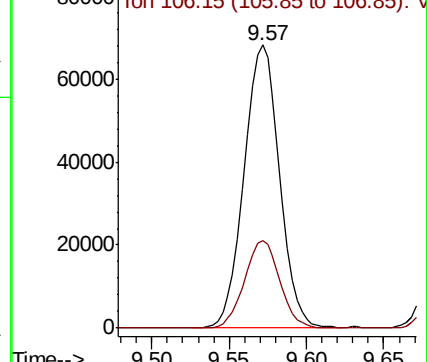
Ion Ratio Lower Upper

91 100

106 30.9 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041118.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.125 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041118.D

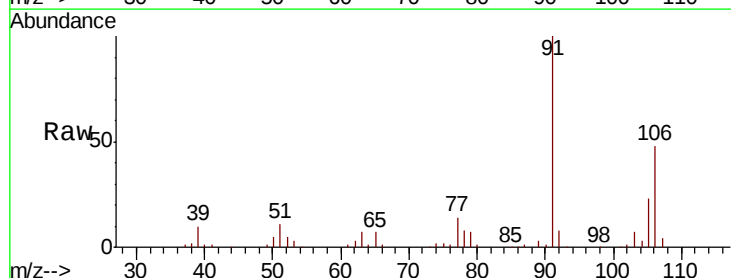
Acq: 06 Nov 2020 15:06

Tgt Ion: 106 Resp: 42064

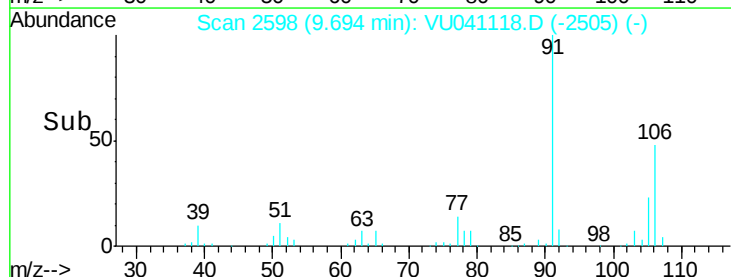
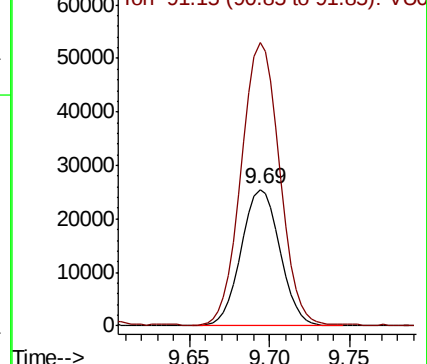
Ion Ratio Lower Upper

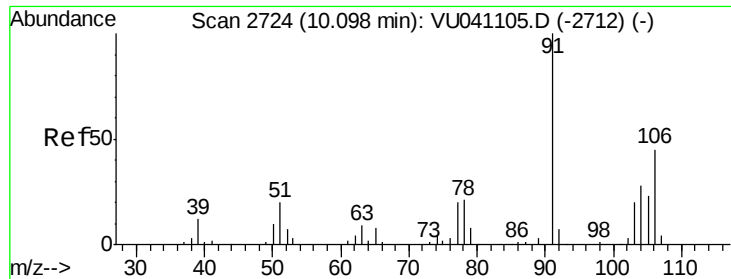
106 100

91 206.9 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041118.D (-2505) (-)

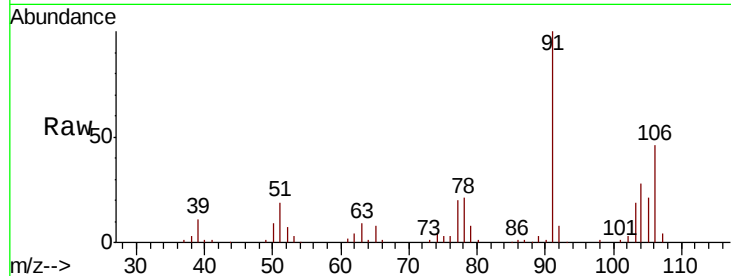




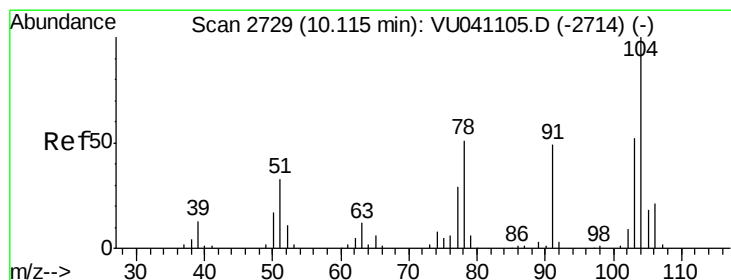
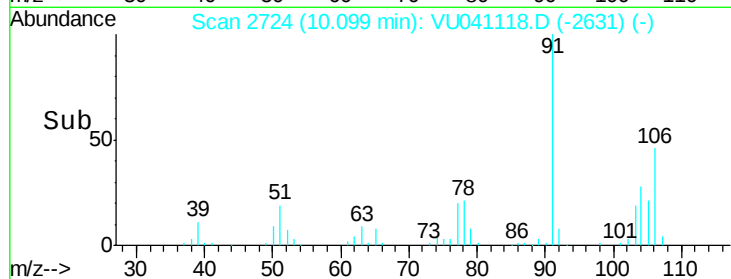
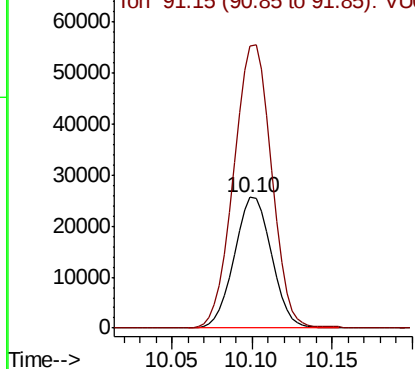
#54
o-Xylene
Concen: 5.344 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041118.D
Acq: 06 Nov 2020 15:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tot Ion:106 Resp: 40844
Ion Ratio Lower Upper
106 100
91 215.9 154.3 286.5

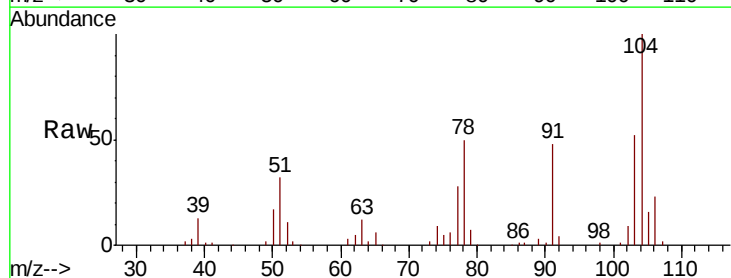


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

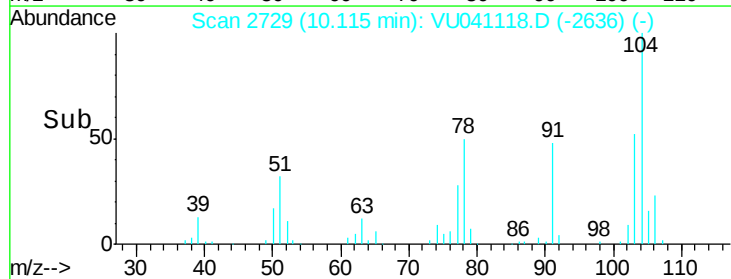
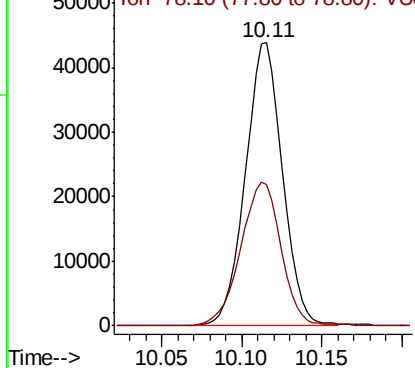


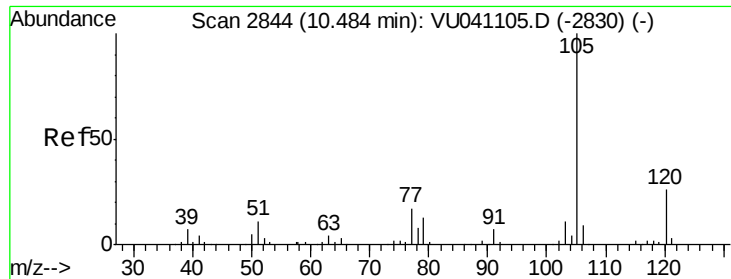
#55
Styrene
Concen: 5.119 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041118.D
Acq: 06 Nov 2020 15:06

Tgt Ion:104 Resp: 69709
Ion Ratio Lower Upper
104 100
78 49.9 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: 5.210 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

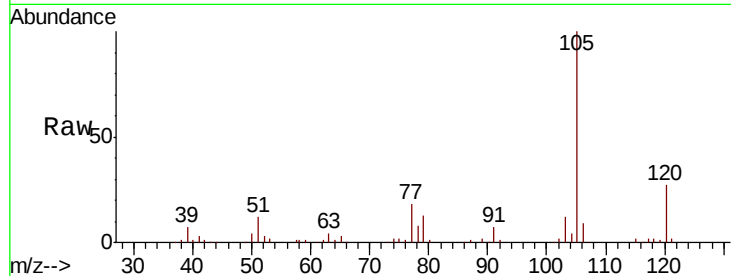
Tot Ion:105 Resp: 107088

Ion Ratio Lower Upper

105 100

120 26.8 20.7 31.1

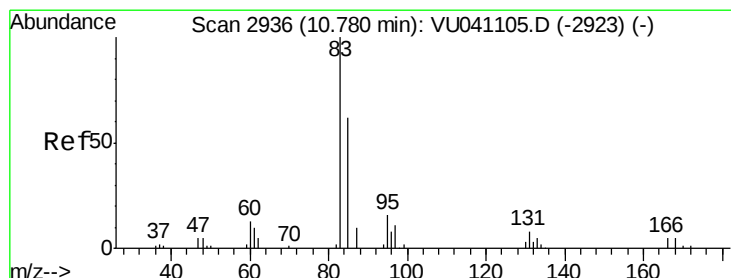
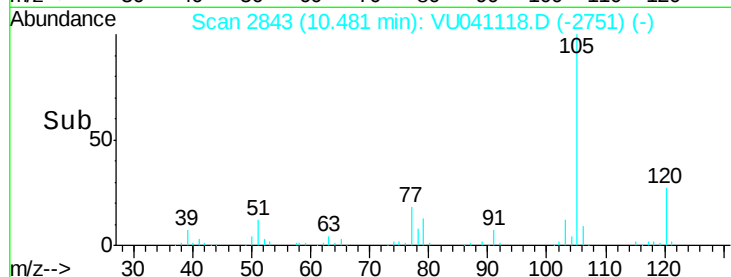
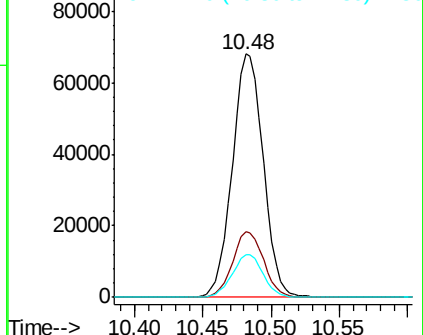
77 17.5 13.8 20.6



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: 4.787 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

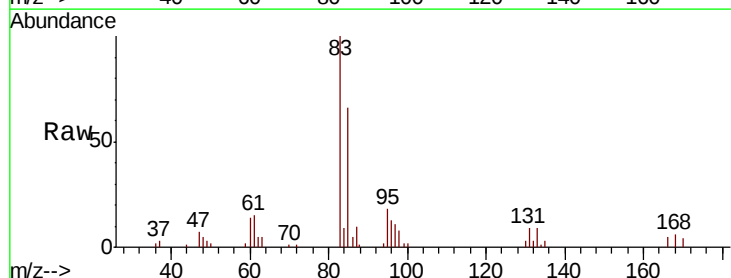
Tgt Ion: 83 Resp: 26696

Ion Ratio Lower Upper

83 100

85 66.0 44.4 82.4

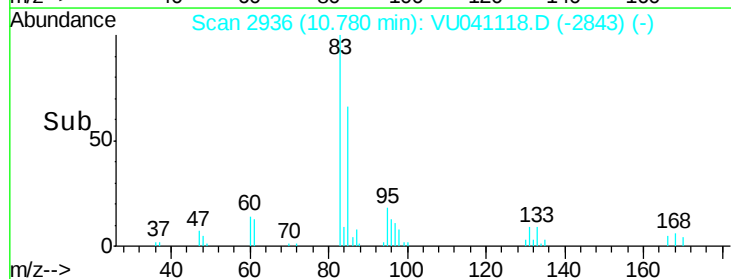
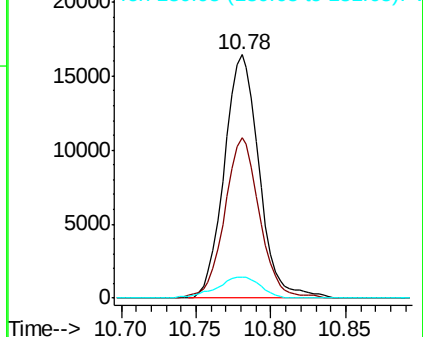
131 8.7 7.7 11.5

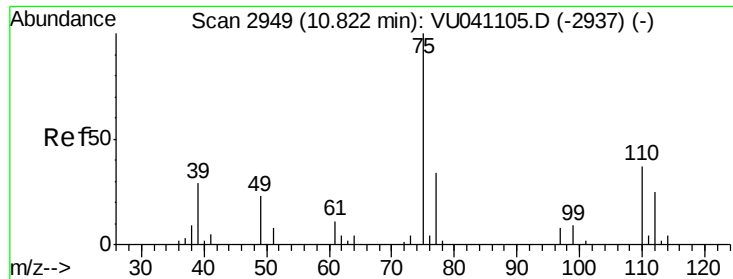


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

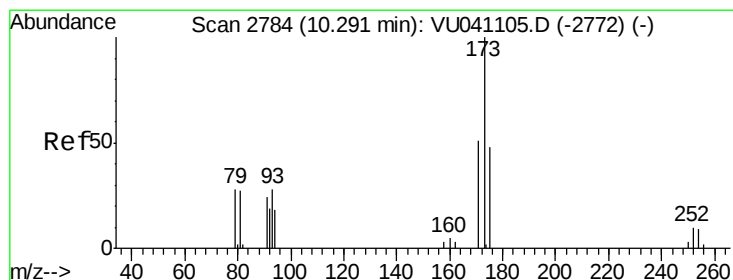
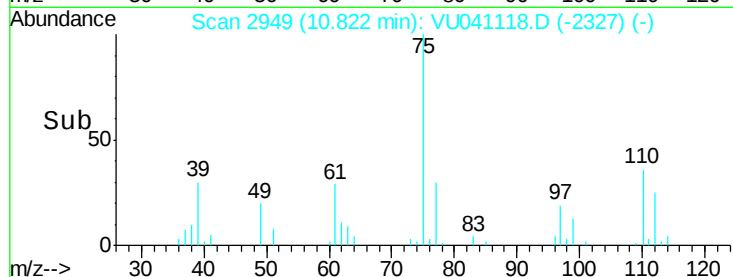
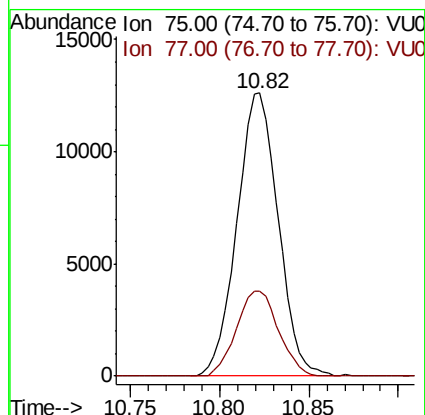
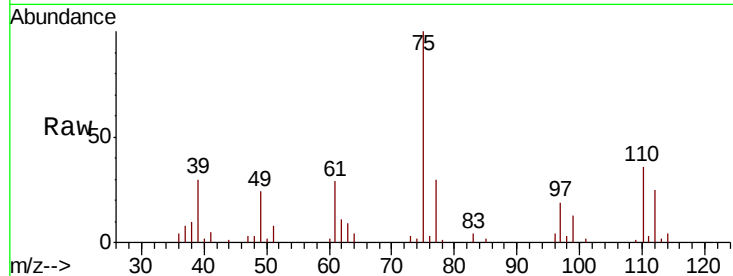




#59
 1,2,3-Trichloropropane
 Concen: 4.788 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

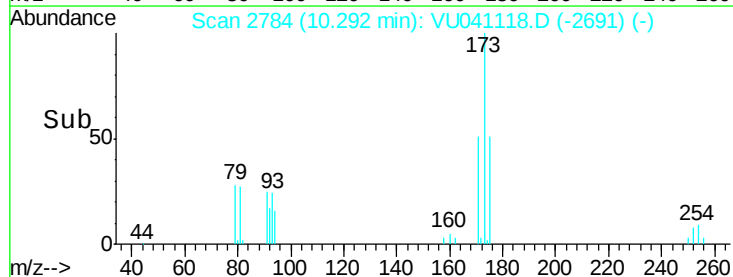
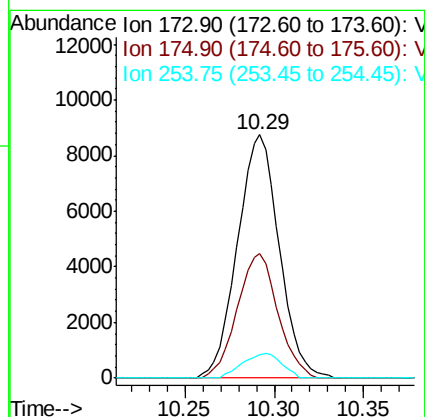
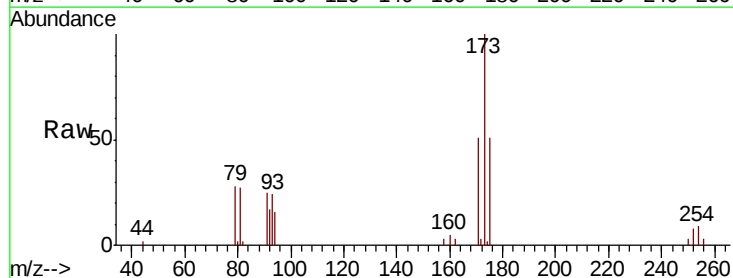
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

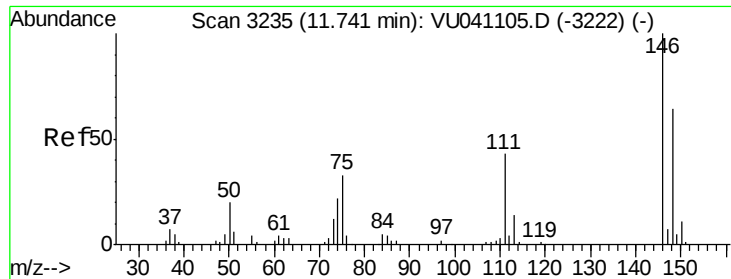
Tot Ion: 75 Resp: 20359
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.7 38.5



#61
 Bromoform
 Concen: 4.980 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

Tgt Ion: 173 Resp: 14304
 Ion Ratio Lower Upper
 173 100
 175 49.6 37.6 56.4
 254 9.5 6.6 9.8

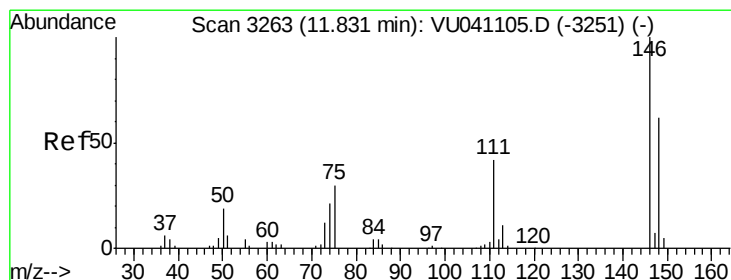
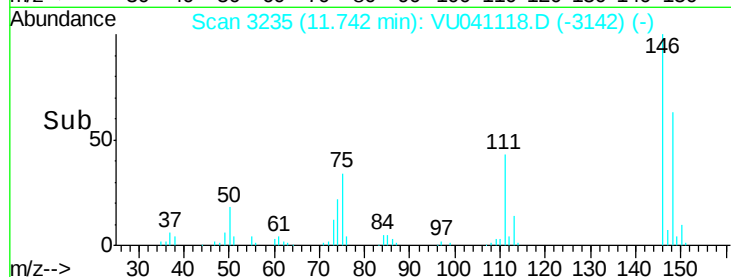
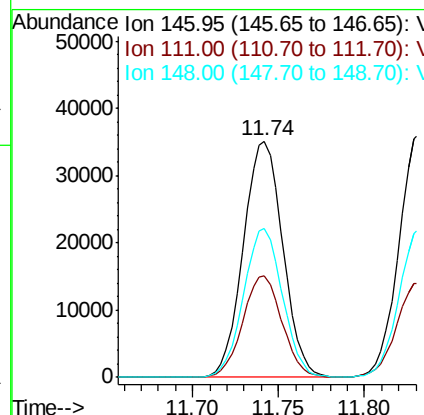
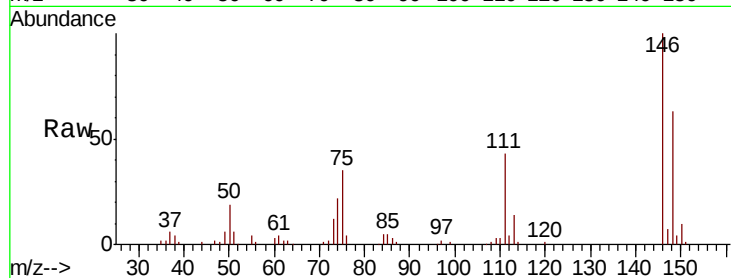




#62
 1,3-Dichlorobenzene
 Concen: 5.211 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

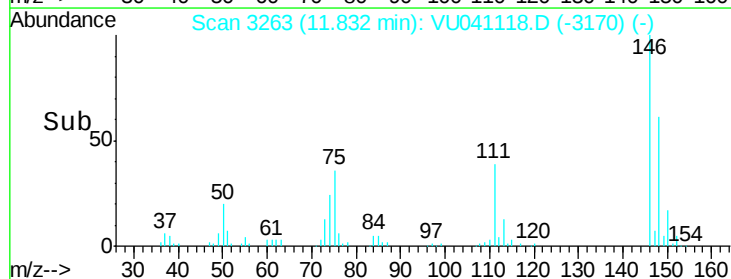
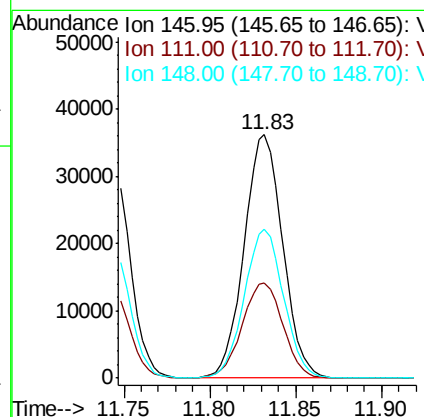
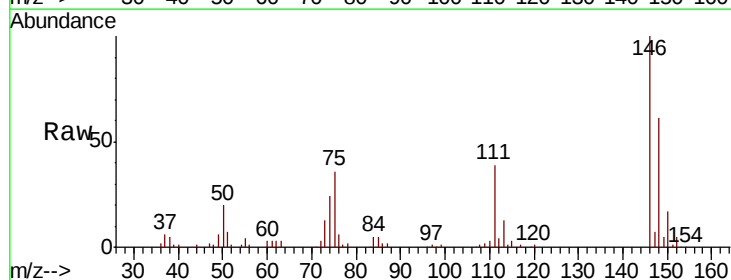
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

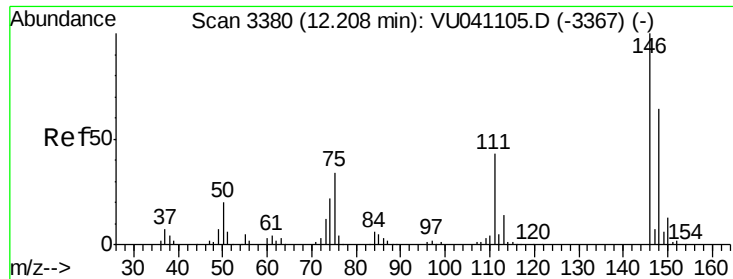
Tot Ion:146 Resp: 56056
 Ion Ratio Lower Upper
 146 100
 111 42.8 30.9 57.3
 148 62.9 45.8 85.2



#63
 1,4-Dichlorobenzene
 Concen: 5.053 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

Tgt Ion:146 Resp: 56295
 Ion Ratio Lower Upper
 146 100
 111 38.9 28.3 52.7
 148 61.2 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 4.924 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

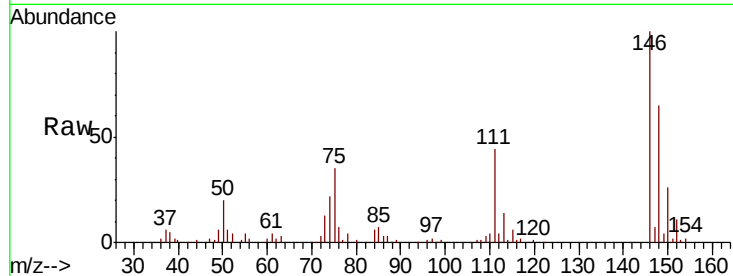
Tot Ion:146 Resp: 52273

Ion Ratio Lower Upper

146 100

111 44.5 35.0 52.6

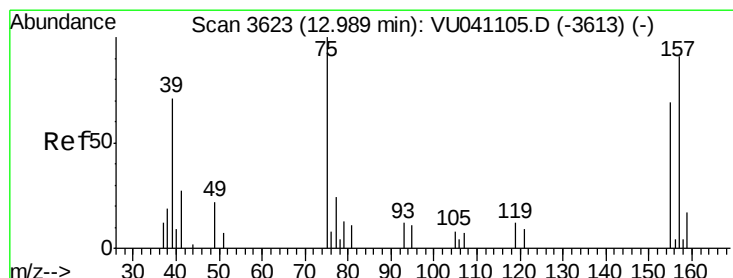
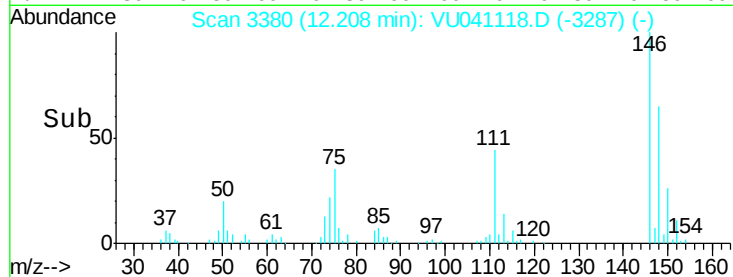
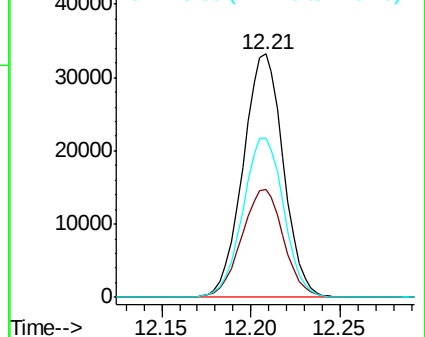
148 65.5 52.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.780 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

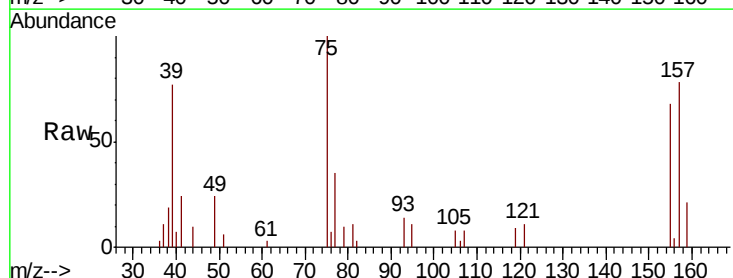
Tgt Ion: 75 Resp: 4973

Ion Ratio Lower Upper

75 100

155 67.7 61.4 92.2

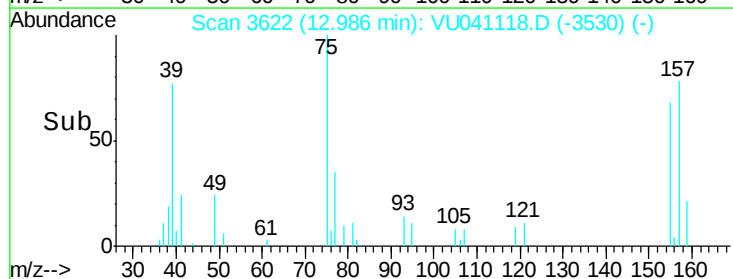
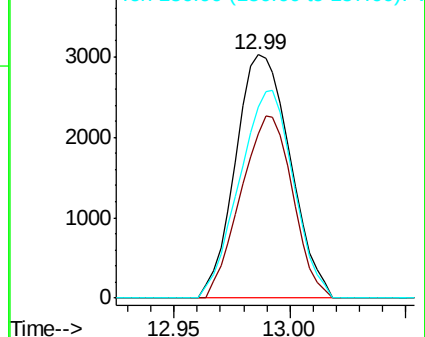
157 78.3 74.2 111.4

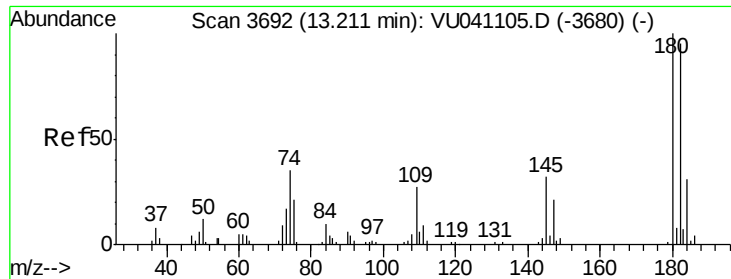


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

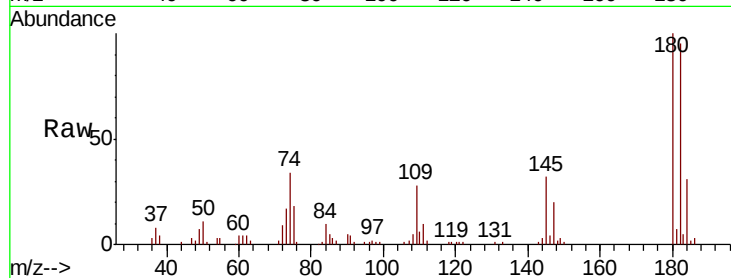




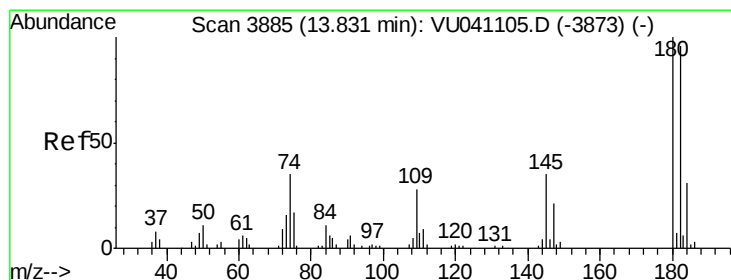
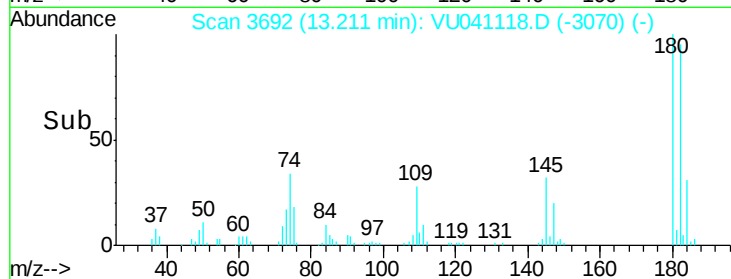
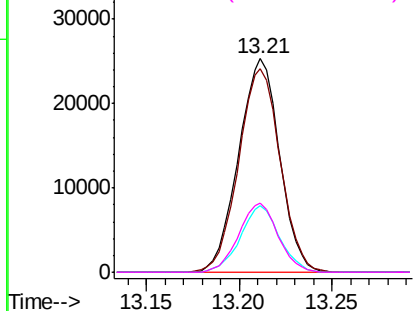
#67
 1,3,5-Trichlorobenzene
 Concen: 5.176 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tot Ion:180 Resp: 38946
 Ion Ratio Lower Upper
 180 100
 182 96.7 75.7 113.5
 184 29.5 23.7 35.5
 145 31.0 26.1 39.1

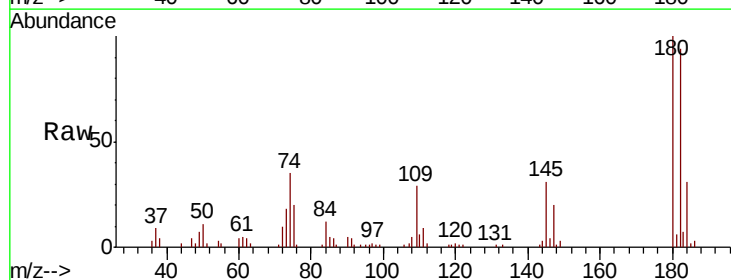


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

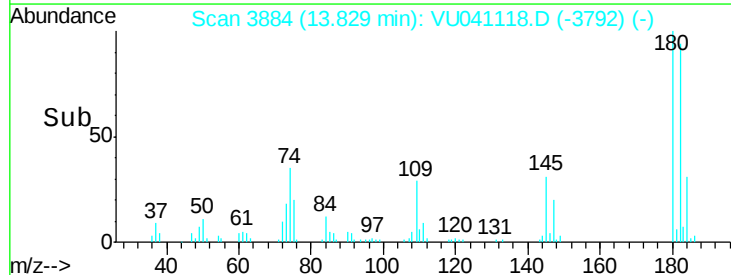
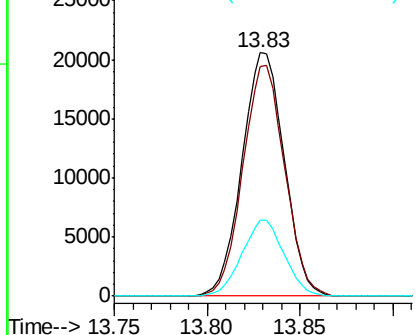


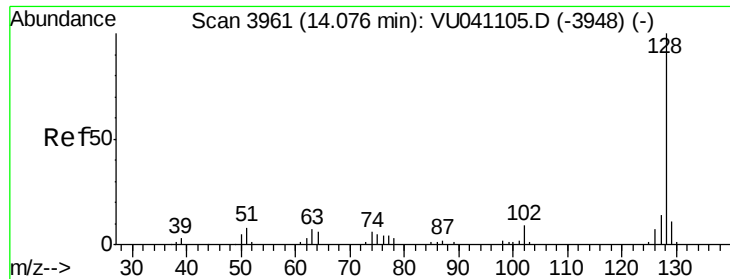
#68
 1,2,4-trichlorobenzene
 Concen: 5.216 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041118.D
 Acq: 06 Nov 2020 15:06

Tgt Ion:180 Resp: 32513
 Ion Ratio Lower Upper
 180 100
 182 93.7 73.5 110.3
 145 31.2 26.6 40.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.771 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

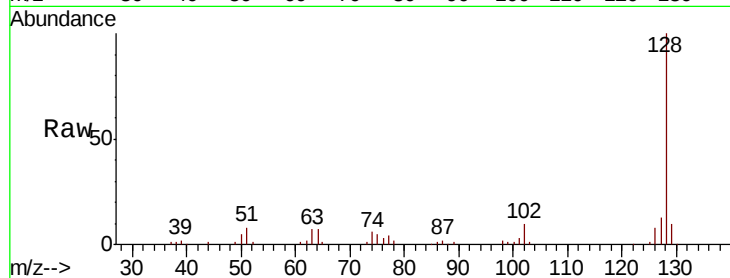
Tot Ion:128 Resp: 53175

Ion Ratio Lower Upper

128 100

129 10.0 8.7 13.1

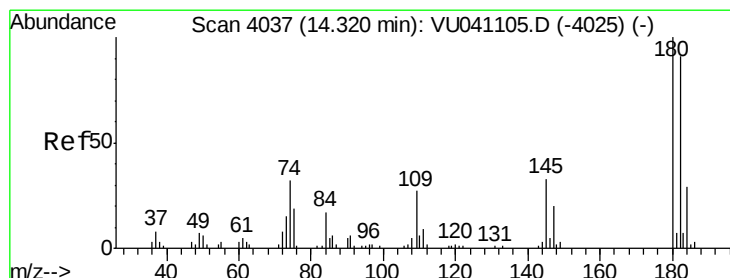
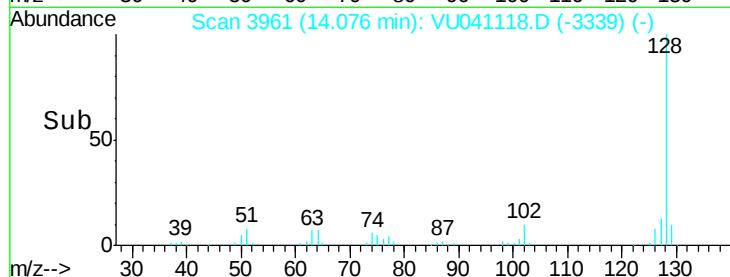
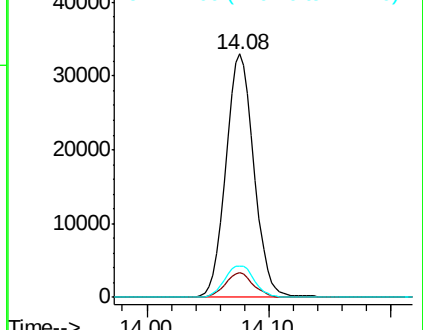
127 13.7 10.8 16.2



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: 5.298 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041118.D

Acq: 06 Nov 2020 15:06

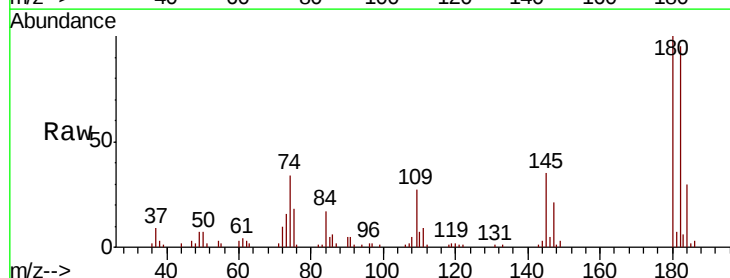
Tgt Ion:180 Resp: 30435

Ion Ratio Lower Upper

180 100

182 96.4 77.7 116.5

145 36.2 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

