

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110920\
 Data File : VU041133.D
 Acq On : 09 Nov 2020 09:58
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Quant Time: Nov 10 01:04:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 09 11:46:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	58030	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	58921	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	31624	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17152	3.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.40%
7) Chloroethane-d5	1.92	69	14900	3.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.60%
11) 1,1-Dichloroethene-d2	2.58	63	37205	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	4.65	46	87524	54.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.04%
24) Chloroform-d	5.08	84	43419	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.72	65	26986	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.74	84	73432	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.70	67	26475	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.90	98	68989	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	8.18	79	11142	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
46) 2-Hexanone-d5	8.64	63	63938	53.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.80%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24892	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	28095	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	26512	5.004	ug/L	98
3) Chloromethane	1.53	50	25542	4.624	ug/L	98
5) Vinyl chloride	1.61	62	26518	4.866	ug/L	100
6) Bromomethane	1.87	94	14586	4.669	ug/L	98
8) Chloroethane	1.94	64	14738	4.268	ug/L	98
9) Trichlorofluoromethane	2.15	101	38586	5.209	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	21904	5.045	ug/L	98
12) 1,1-Dichloroethene	2.59	96	18879	4.606	ug/L	98
13) Acetone	2.66	43	56953	51.888	ug/L #	61
14) Carbon disulfide	2.81	76	57466	4.195	ug/L	100
15) Methyl Acetate	2.97	43	12338	4.913	ug/L	93
16) Methylene chloride	3.06	84	22574	4.726	ug/L	98
17) Methyl tert-butyl Ether	3.38	73	52248	4.953	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	19737	4.738	ug/L	95
19) 1,1-Dichloroethane	3.89	63	41228	4.950	ug/L	99
21) 2-Butanone	4.73	43	88449	51.560	ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	21564	5.018	ug/L	98

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 Data File : VU041133.D
 Acq On : 09 Nov 2020 09:58
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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Quant Time: Nov 10 01:04:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 09 11:46:13 2020
 Response via : Initial Calibration

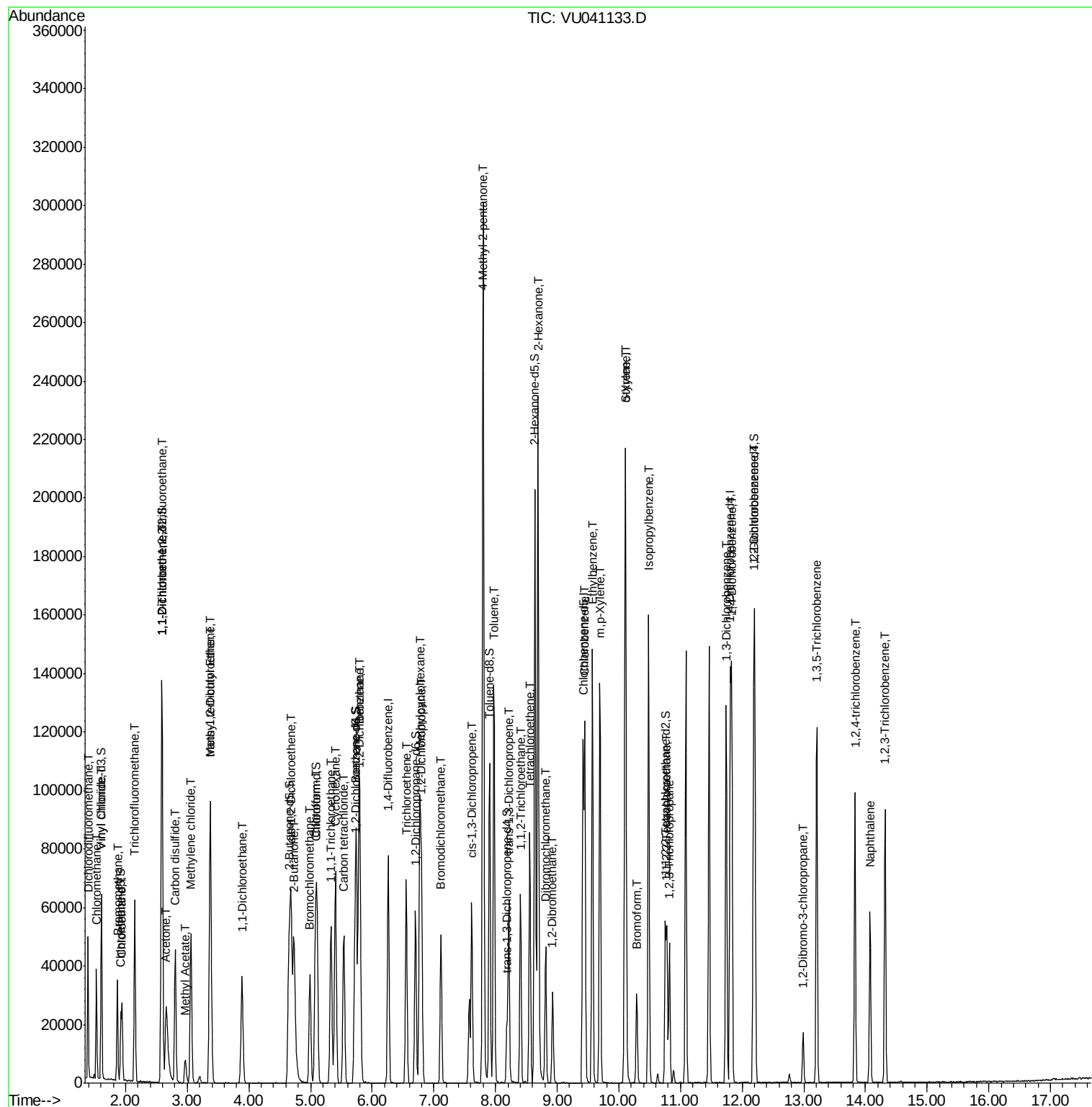
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	11007	5.430	ug/L	93
25) Chloroform	5.11	83	44967	5.384	ug/L	97
27) 1,2-Dichloroethane	5.81	62	32518	5.228	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	38463	5.338	ug/L	96
30) Cyclohexane	5.40	56	31127	4.384	ug/L	98
31) Carbon tetrachloride	5.54	117	33471	5.245	ug/L	97
33) Benzene	5.79	78	87084	4.946	ug/L	100
34) Trichloroethene	6.55	95	22542	5.031	ug/L	97
35) Methylcyclohexane	6.77	83	31138	4.659	ug/L	99
37) 1,2-Dichloropropane	6.80	63	24600	5.164	ug/L	98
38) Bromodichloromethane	7.11	83	32575	5.272	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	33193	5.061	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	199274	52.464	ug/L	98
42) Toluene	7.97	91	91718	5.138	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	32395	5.278	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	18953	5.345	ug/L	95
47) Tetrachloroethene	8.56	164	17653	5.358	ug/L	94
48) 2-Hexanone	8.69	43	154392	53.983	ug/L	98
49) Dibromochloromethane	8.81	129	22979	5.580	ug/L	96
50) 1,2-Dibromoethane	8.93	107	17728	5.246	ug/L	96
51) Chlorobenzene	9.45	112	58355	5.155	ug/L	97
52) Ethylbenzene	9.57	91	94320	5.019	ug/L	99
53) m,p-Xylene	9.69	106	36373	5.307	ug/L	96
54) o-Xylene	10.10	106	34167	5.353	ug/L	95
55) Styrene	10.11	104	61955	5.448	ug/L	97
56) Isopropylbenzene	10.48	105	93789	5.465	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	23525	5.051	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	19109	5.382	ug/L	98
61) Bromoform	10.29	173	13159	5.399	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	49846	5.460	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	49031	5.186	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	47745	5.300	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	4289	4.858	ug/L	98
67) 1,3,5-Trichlorobenzene	13.21	180	34298	5.372	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	27991	5.293	ug/L	96
69) Naphthalene	14.08	128	43993	4.652	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	26064	5.347	ug/L	98

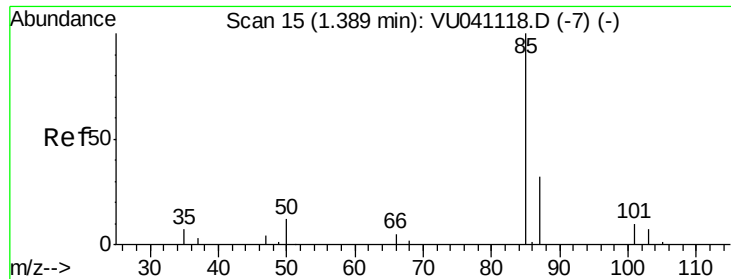
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU041133.D
Acq On : 09 Nov 2020 09:58
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Quant Time: Nov 10 01:04:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 09 11:46:13 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.004 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

Instrument :

MSVOA_U

ClientSampleId :

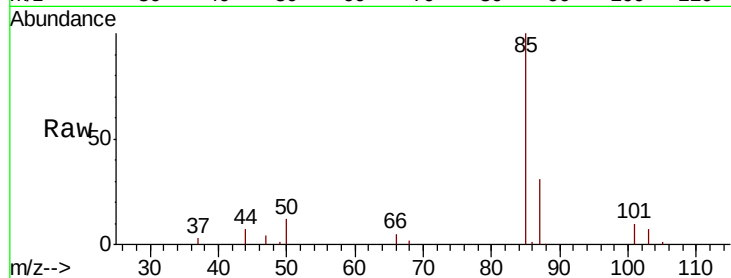
VSTD00521

Tot Ion: 85 Resp: 26512

Ion Ratio Lower Upper

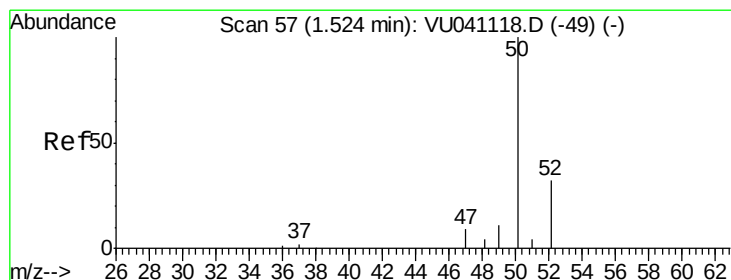
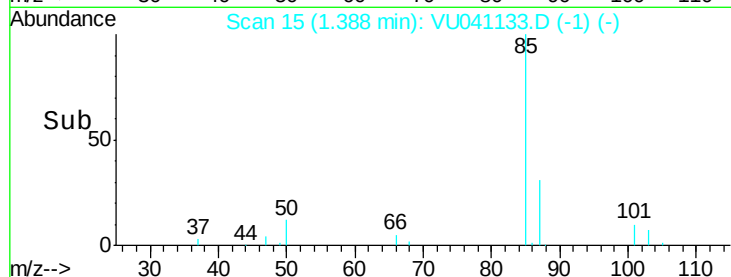
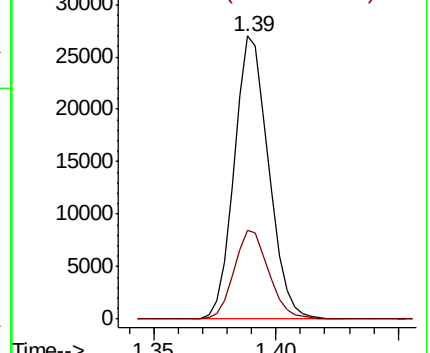
85 100

87 31.4 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: 4.624 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041133.D

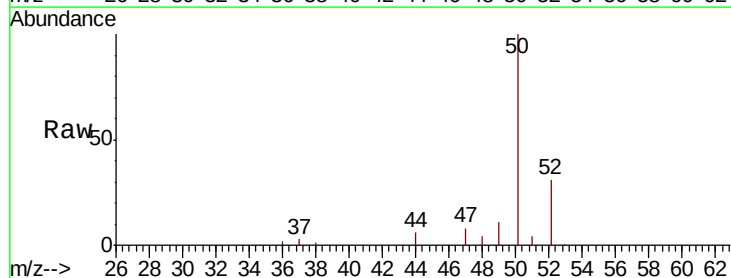
Acq: 09 Nov 2020 09:58

Tgt Ion: 50 Resp: 25542

Ion Ratio Lower Upper

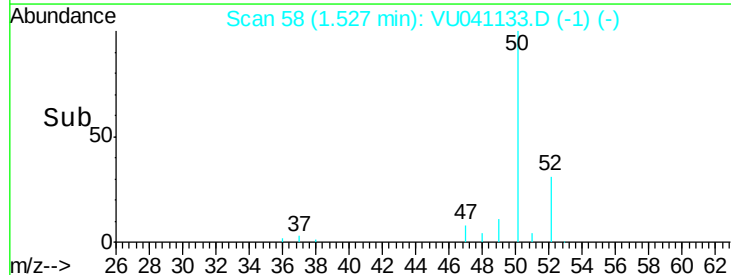
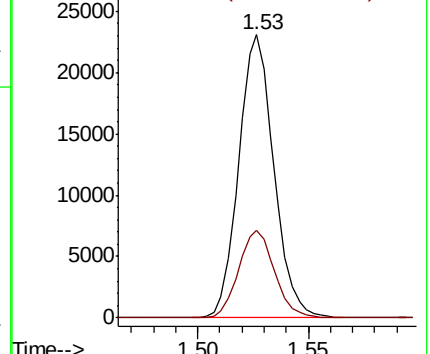
50 100

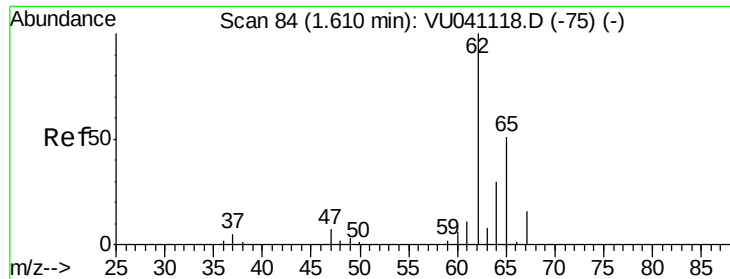
52 31.0 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.866 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

Instrument :

MSVOA_U

ClientSampleId :

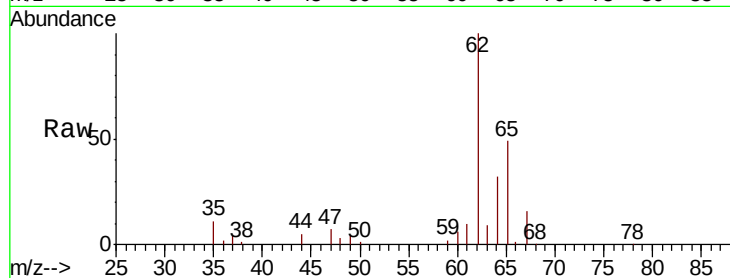
VSTD00521

Tot Ion: 62 Resp: 26518

Ion Ratio Lower Upper

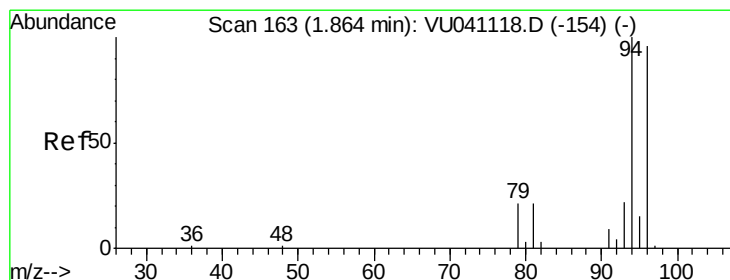
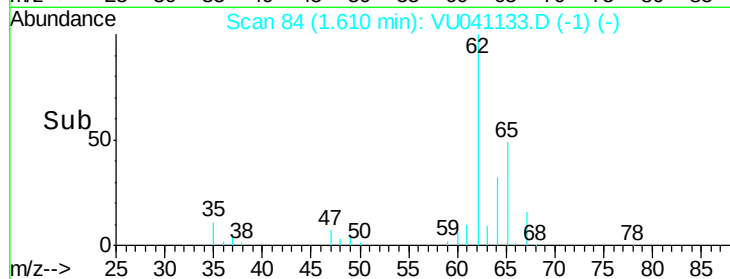
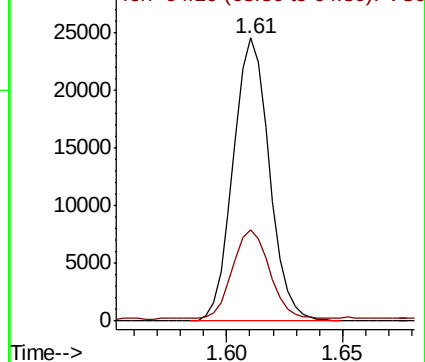
62 100

64 32.4 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.669 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041133.D

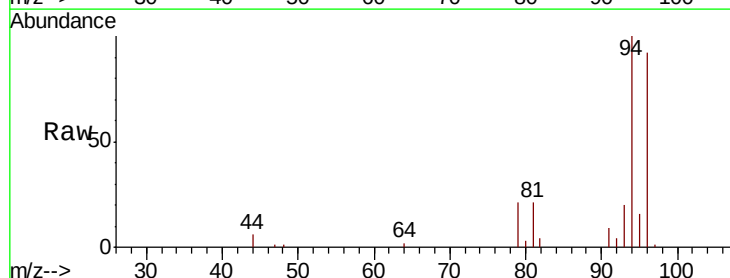
Acq: 09 Nov 2020 09:58

Tgt Ion: 94 Resp: 14586

Ion Ratio Lower Upper

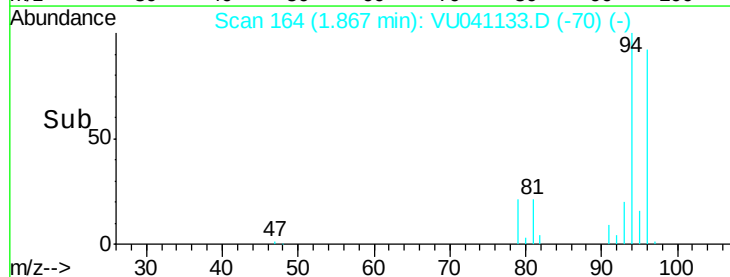
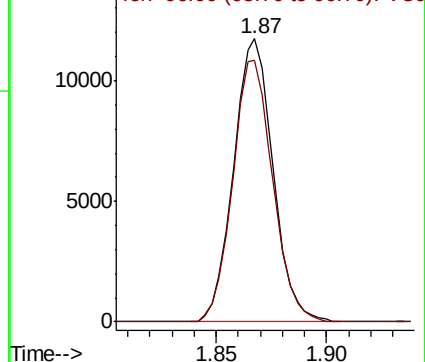
94 100

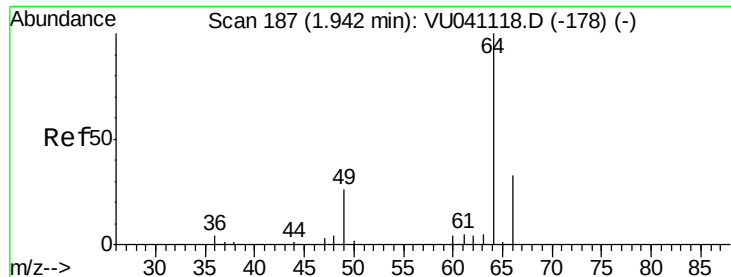
96 92.4 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.268 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

Instrument :

MSVOA_U

ClientSampleId :

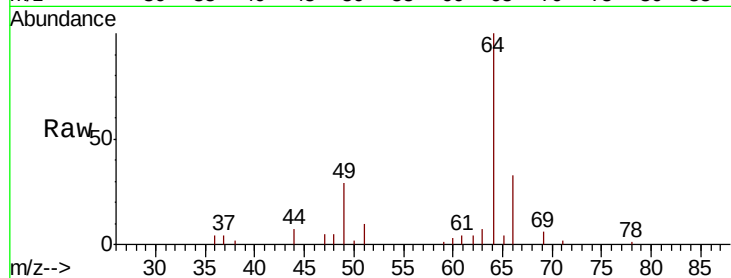
VSTD00521

Tot Ion: 64 Resp: 14738

Ion Ratio Lower Upper

64 100

66 33.1 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU041133.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU041133.D (-178) (-)

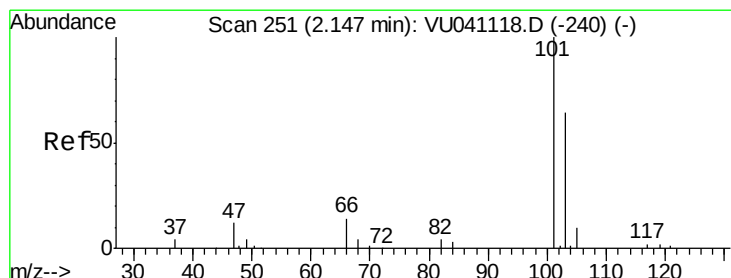
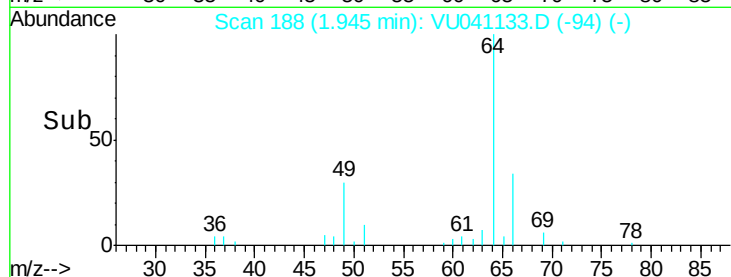
1.94

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.209 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU041133.D

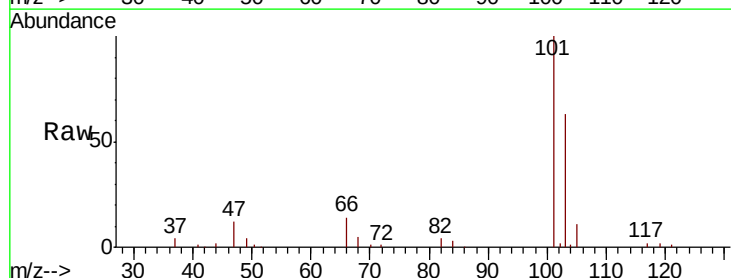
Acq: 09 Nov 2020 09:58

Tgt Ion: 101 Resp: 38586

Ion Ratio Lower Upper

101 100

103 64.9 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041133.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU041133.D (-240) (-)

2.15

30000

25000

20000

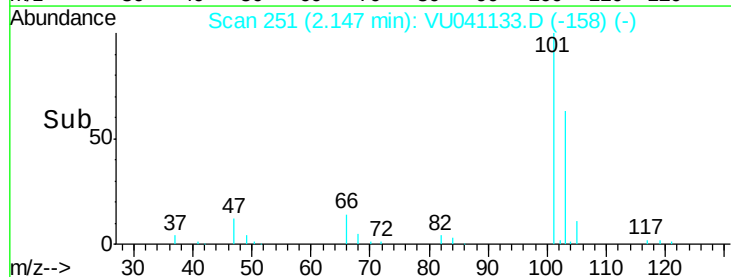
15000

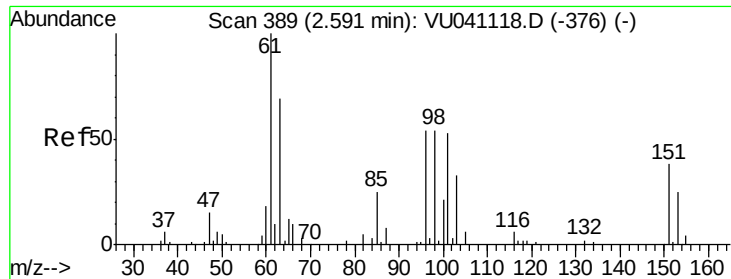
10000

5000

0

Time-->





#10

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

Concen: 5.045 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

Instrument :

MSVOA_U

ClientSampled :

VSTD00521

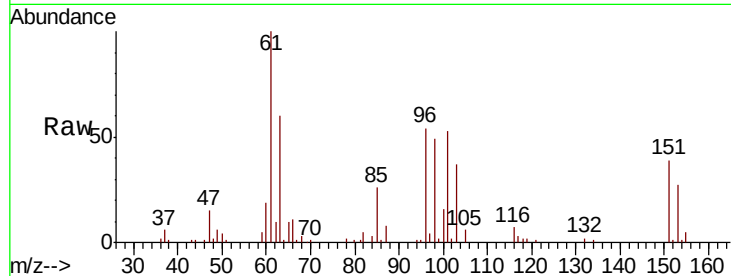
Tot Ion:101 Resp: 21904

Ion Ratio Lower Upper

101 100

85 46.4 35.0 52.4

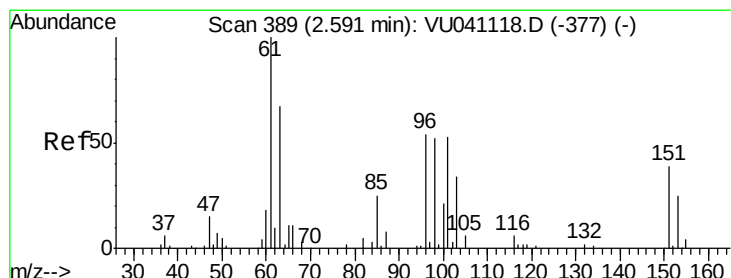
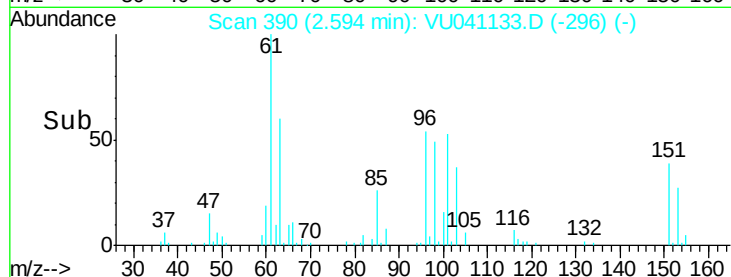
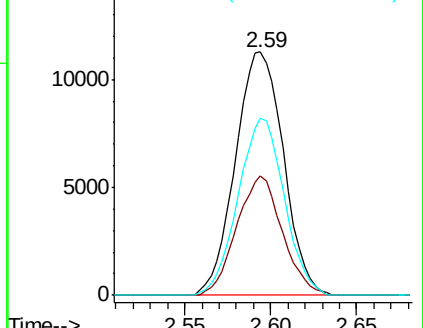
151 69.8 55.3 82.9



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: 4.606 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

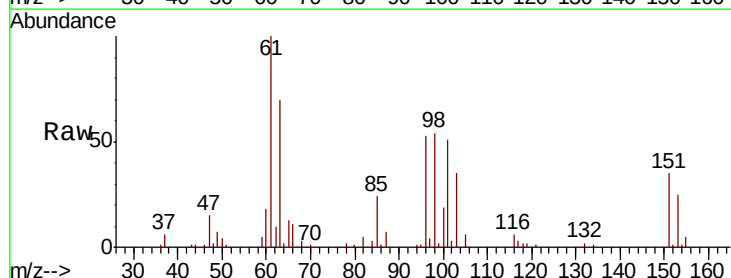
Tgt Ion: 96 Resp: 18879

Ion Ratio Lower Upper

96 100

61 188.5 134.3 249.5

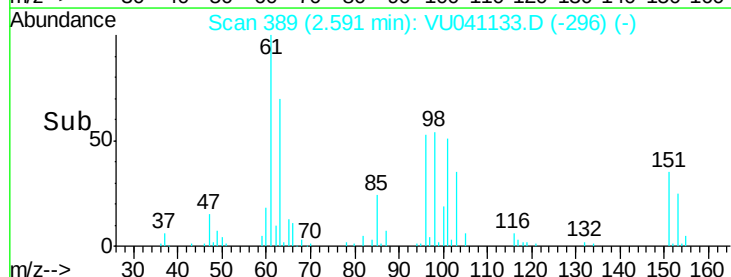
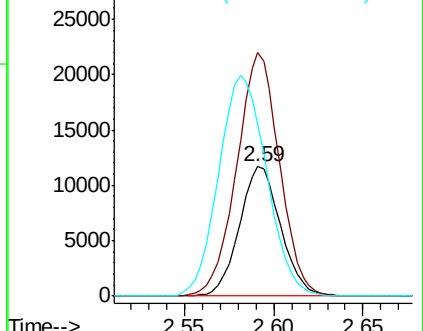
63 132.7 95.0 176.4

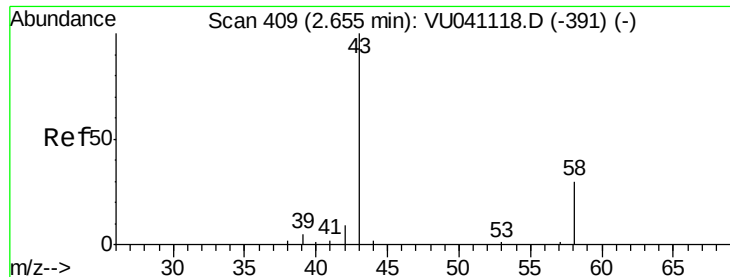


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.888 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

Instrument :

MSVOA_U

ClientSampleId :

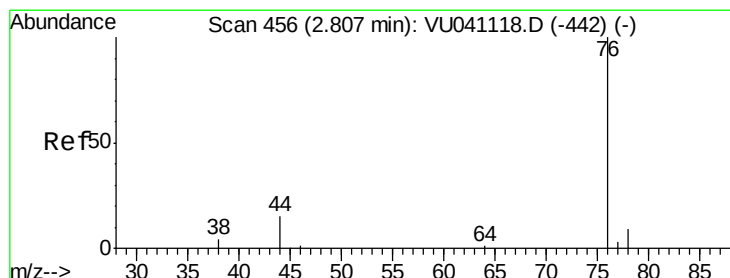
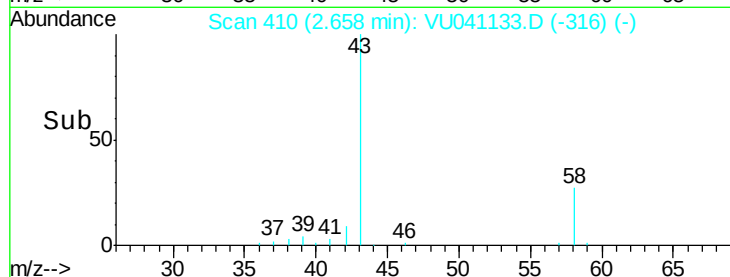
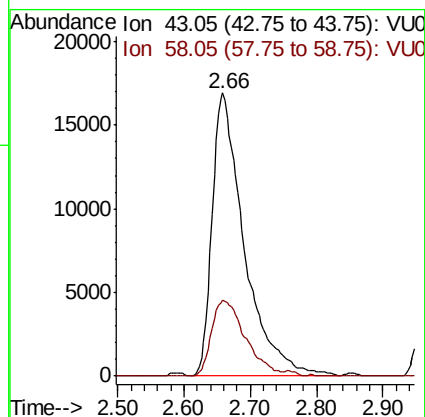
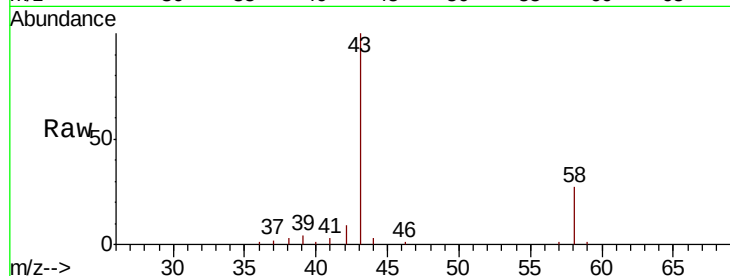
VSTD00521

Tot Ion: 43 Resp: 56953

Ion Ratio Lower Upper

43 100

58 28.3 0.0 25.4#



#14

Carbon disulfide

Concen: 4.195 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041133.D

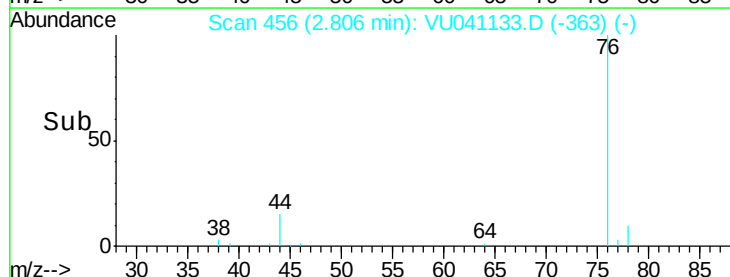
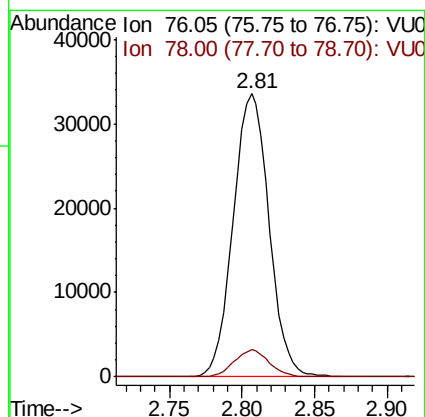
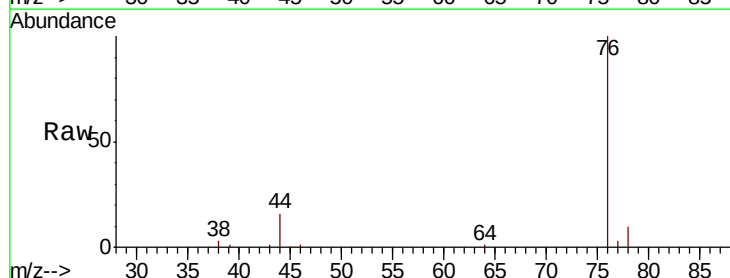
Acq: 09 Nov 2020 09:58

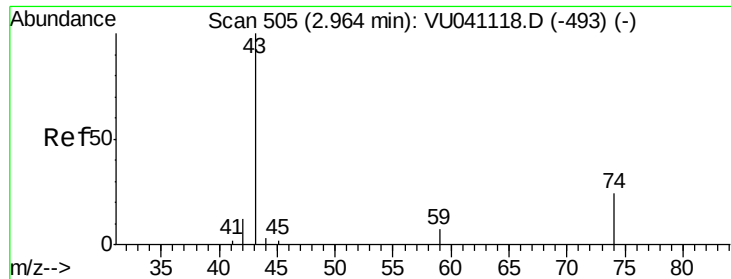
Tgt Ion: 76 Resp: 57466

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3

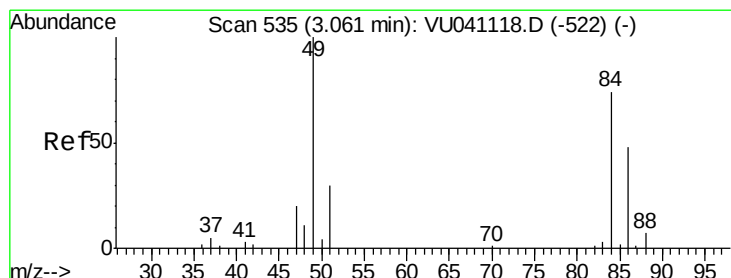
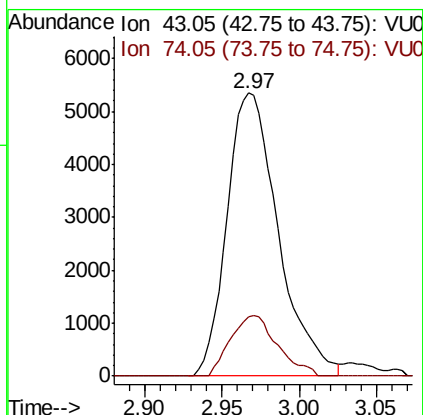
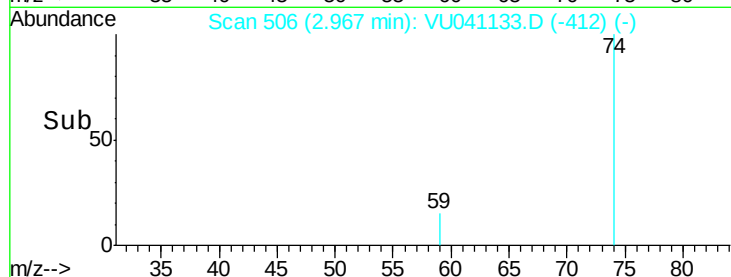
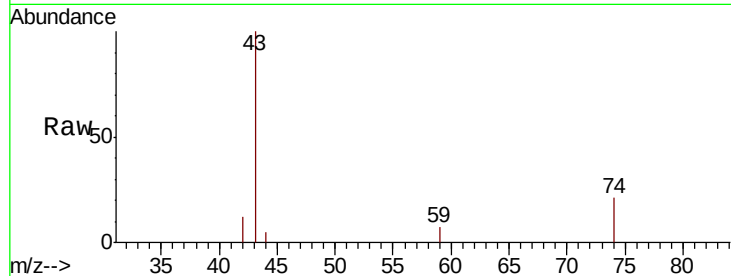




#15
Methvl Acetate
Concen: 4.913 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

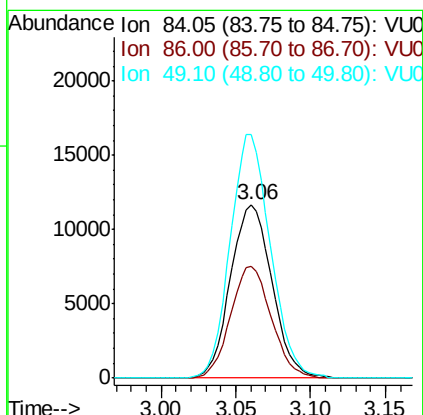
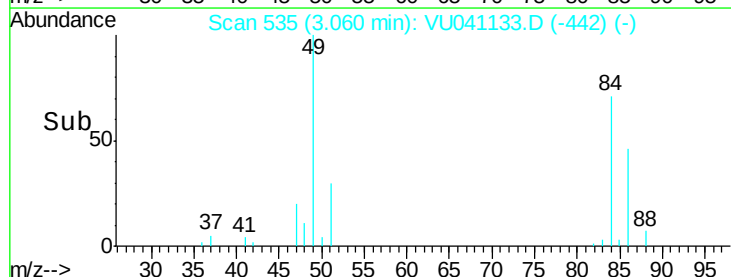
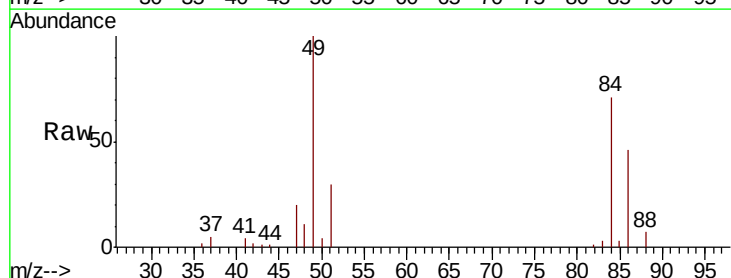
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

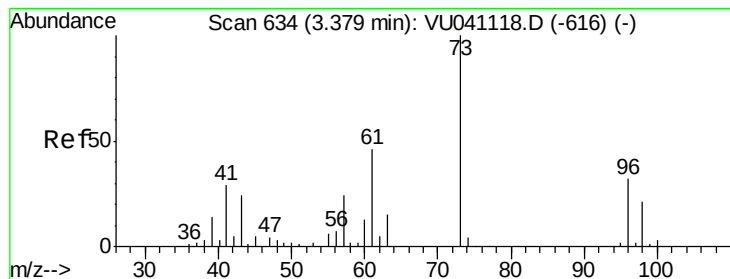
Tot Ion: 43 Resp: 12338
Ion Ratio Lower Upper
43 100
74 19.6 18.3 27.5



#16
Methylene chloride
Concen: 4.726 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

Tgt Ion: 84 Resp: 22574
Ion Ratio Lower Upper
84 100
86 64.6 42.8 79.6
49 140.1 99.5 184.7





#17

Methyl tert-butyl Ether

Concen: 4.953 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

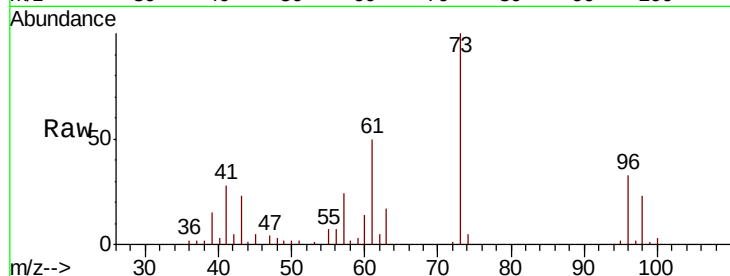
Tot Ion: 73 Resp: 52248

Ion Ratio Lower Upper

73 100

43 24.3 18.5 27.7

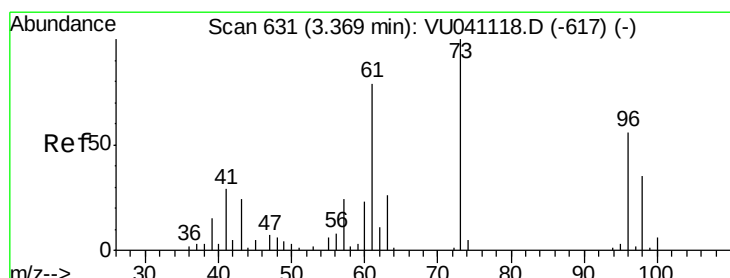
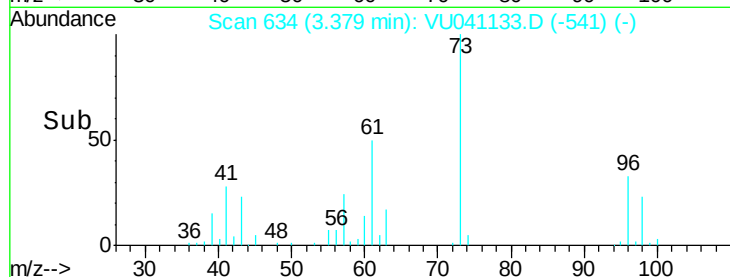
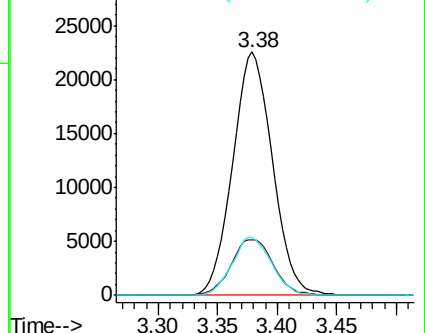
57 23.4 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VU041118.D (-616) (-)

Ion 43.05 (42.75 to 43.75): VU041118.D (-616) (-)

Ion 57.10 (56.80 to 57.80): VU041118.D (-616) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.738 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

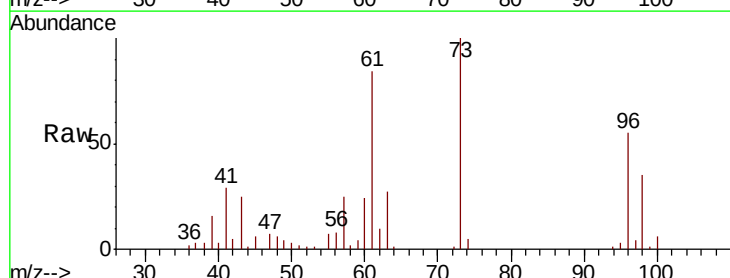
Tgt Ion: 96 Resp: 19737

Ion Ratio Lower Upper

96 100

61 151.0 110.9 205.9

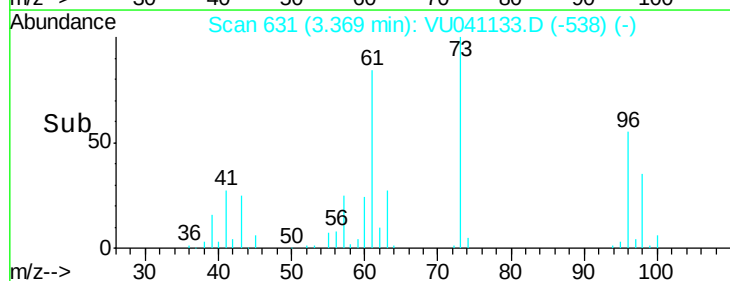
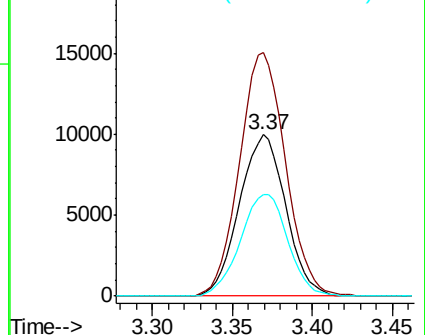
98 63.3 45.4 84.2

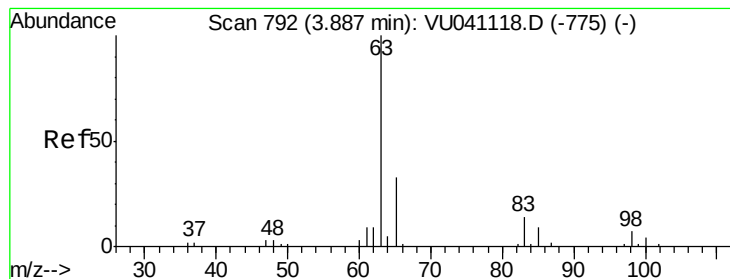


Abundance Ion 96.00 (95.70 to 96.70): VU041118.D (-617) (-)

Ion 61.05 (60.75 to 61.75): VU041118.D (-617) (-)

Ion 97.95 (97.65 to 98.65): VU041118.D (-617) (-)





#19

1,1-Dichloroethane

Concen: 4.950 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

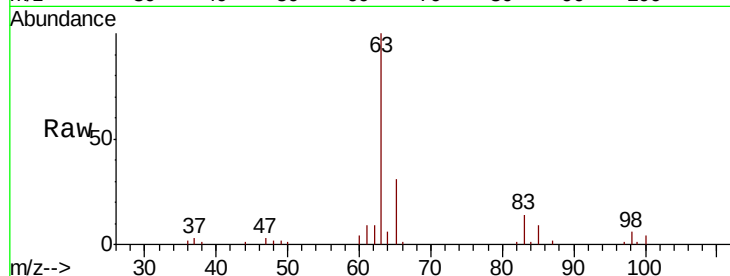
Tot Ion: 63 Resp: 41228

Ion Ratio Lower Upper

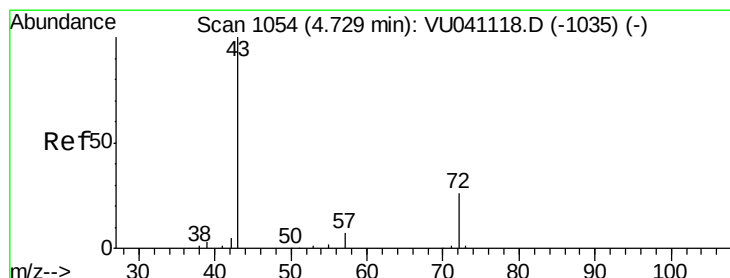
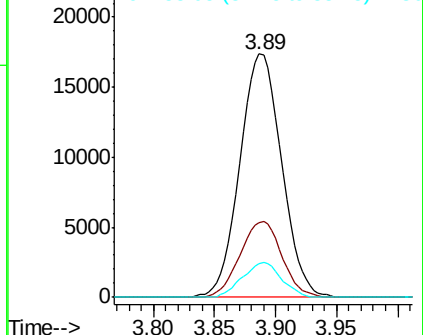
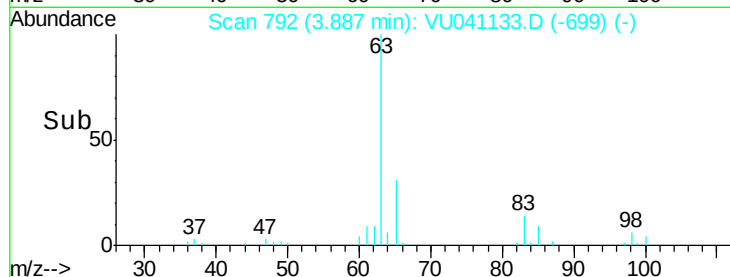
63 100

65 30.8 21.3 39.6

83 14.0 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041133.D (-699) (-)



#21

2-Butanone

Concen: 51.560 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VU041133.D

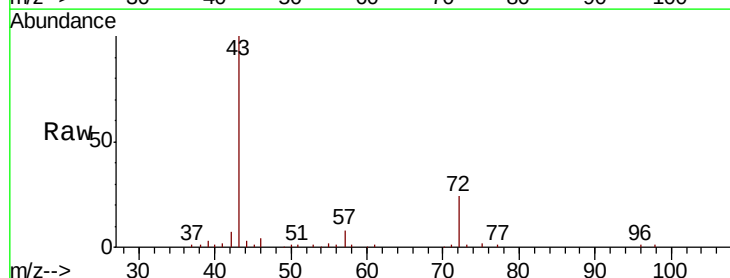
Acq: 09 Nov 2020 09:58

Tgt Ion: 43 Resp: 88449

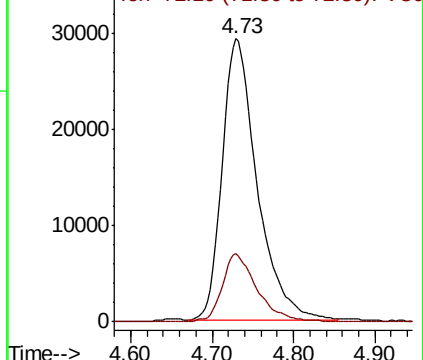
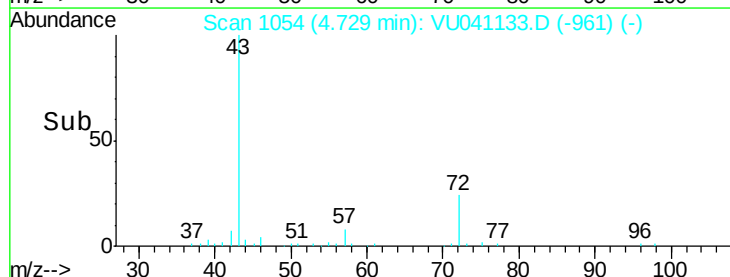
Ion Ratio Lower Upper

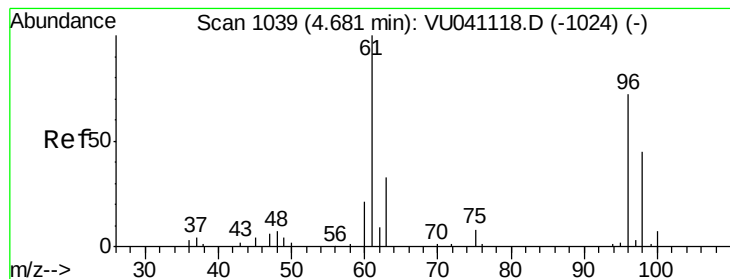
43 100

72 24.0 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU041133.D (-961) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.018 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

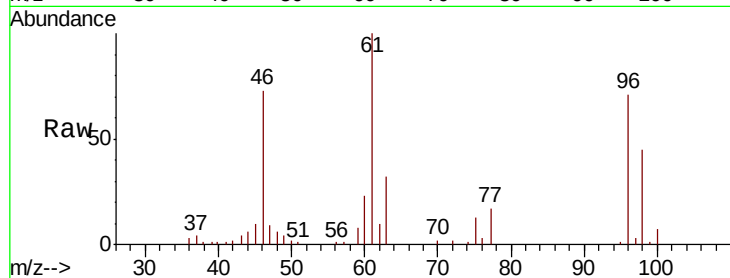
Tot Ion: 96 Resp: 21564

Ion Ratio Lower Upper

96 100

61 141.2 97.2 180.4

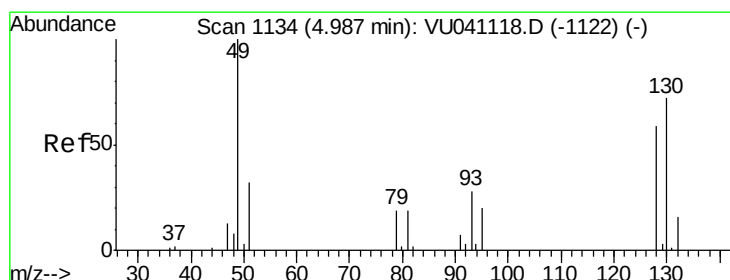
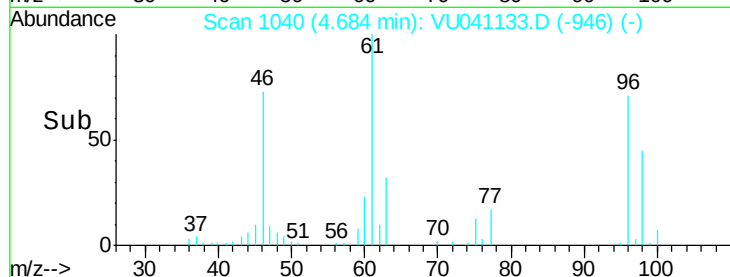
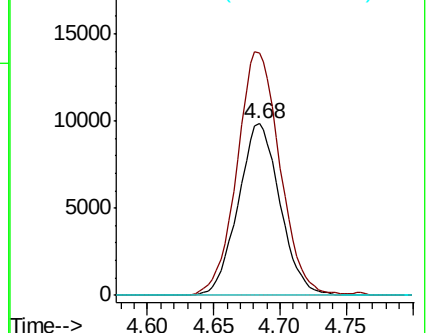
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041133.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU041133.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU041133.D (-946) (-)



#23

Bromochloromethane

Concen: 5.430 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

Tgt Ion:128 Resp: 11007

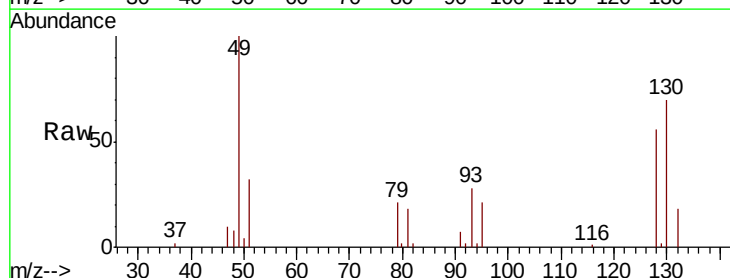
Ion Ratio Lower Upper

128 100

49 178.9 135.0 250.8

130 125.7 89.9 167.0

51 57.1 51.9 77.9

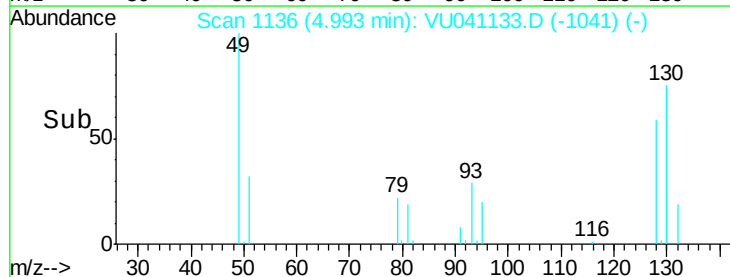
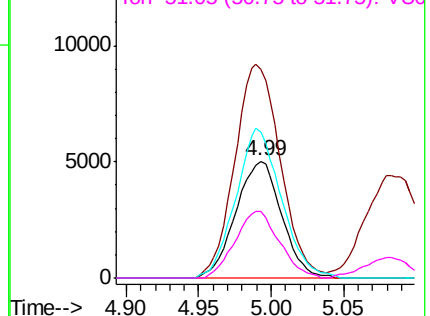


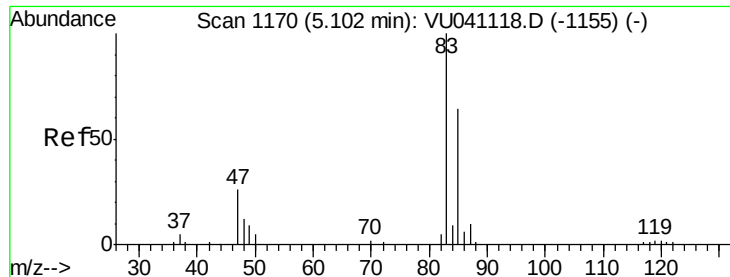
Abundance Ion 127.90 (127.60 to 128.60): VU041133.D (-1041) (-)

Ion 49.10 (48.80 to 49.80): VU041133.D (-1041) (-)

Ion 129.95 (129.65 to 130.65): VU041133.D (-1041) (-)

Ion 51.05 (50.75 to 51.75): VU041133.D (-1041) (-)

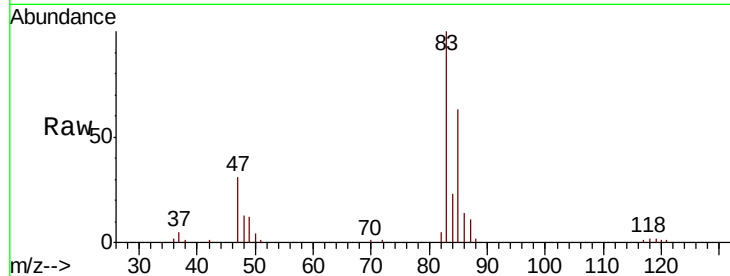




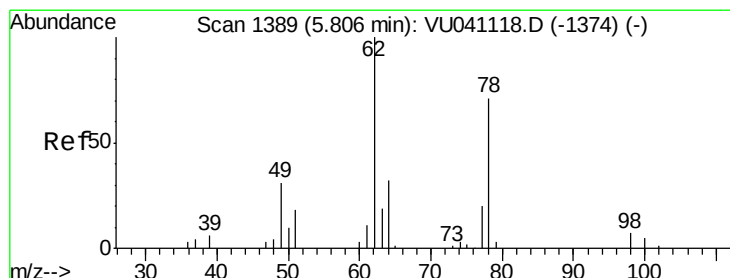
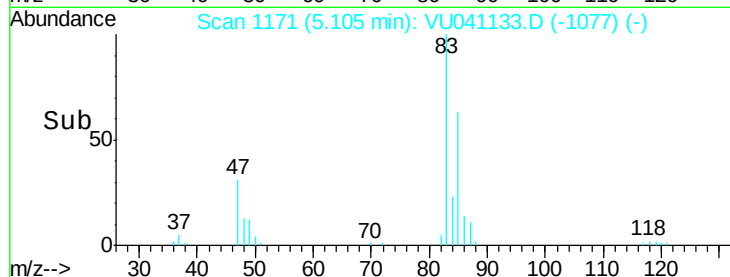
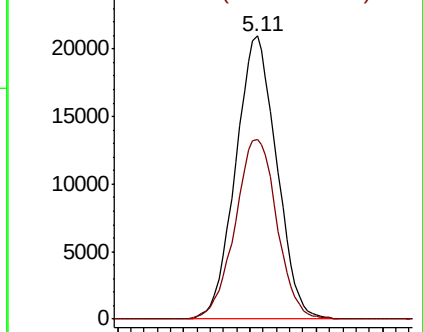
#25
Chloroform
Concen: 5.384 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tot Ion: 83 Resp: 44967
Ion Ratio Lower Upper
83 100
85 63.4 46.1 85.7

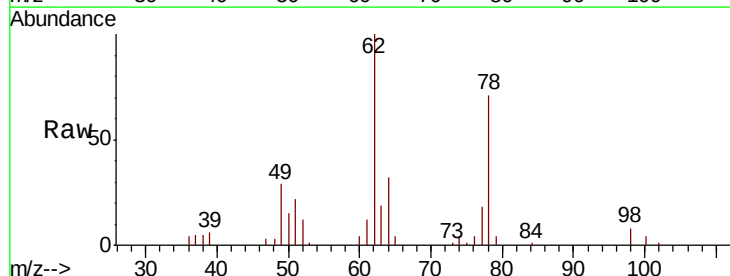


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

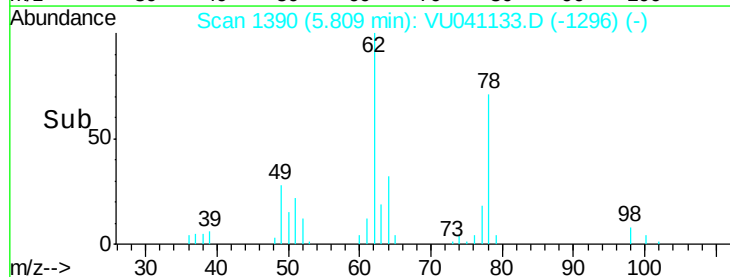
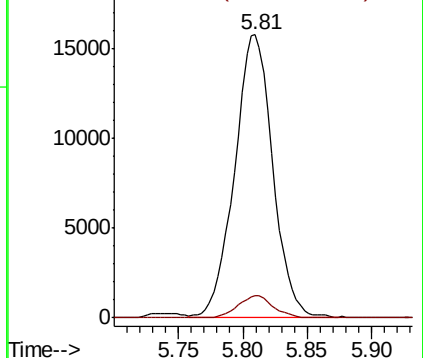


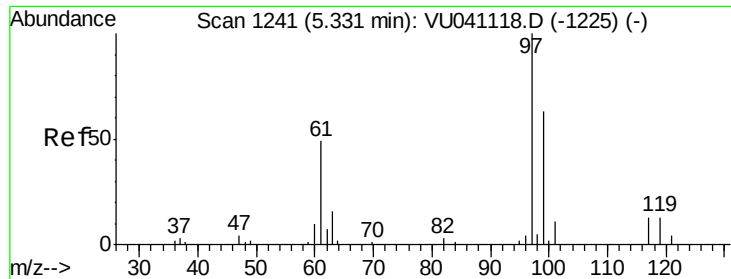
#27
1,2-Dichloroethane
Concen: 5.228 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

Tgt Ion: 62 Resp: 32518
Ion Ratio Lower Upper
62 100
98 7.9 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0

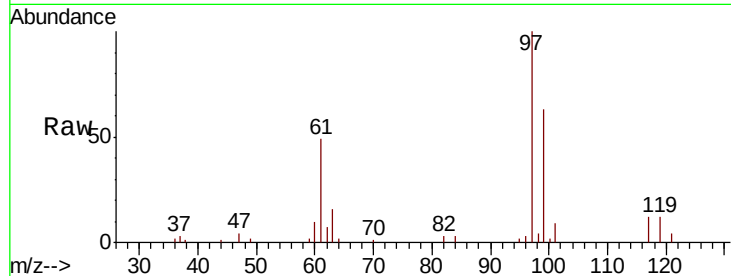




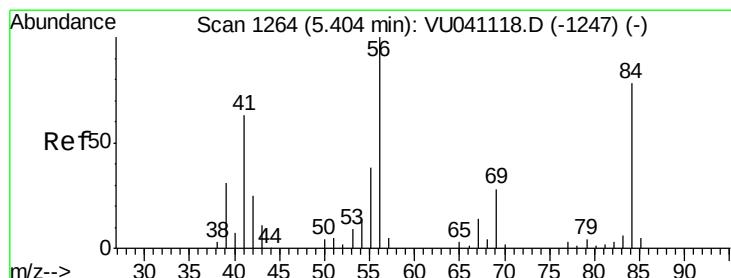
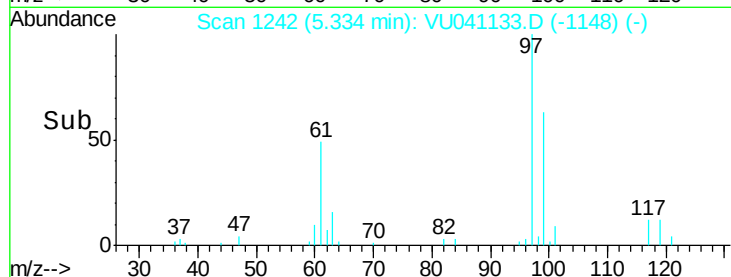
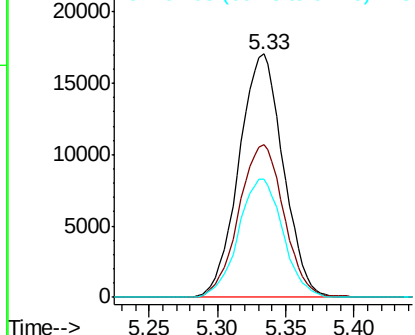
#29
 1,1,1-Trichloroethane
 Concen: 5.338 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041133.D
 Acq: 09 Nov 2020 09:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tot Ion: 97 Resp: 38463
 Ion Ratio Lower Upper
 97 100
 99 64.0 53.4 80.0
 61 48.5 41.6 62.4

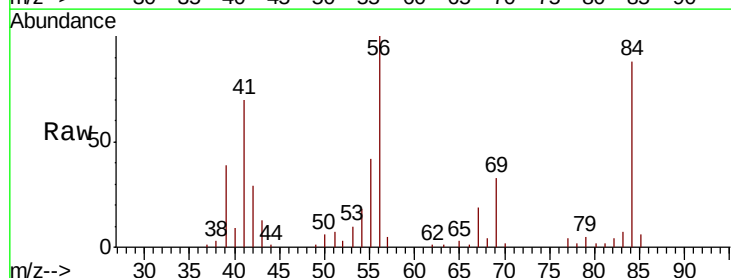


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

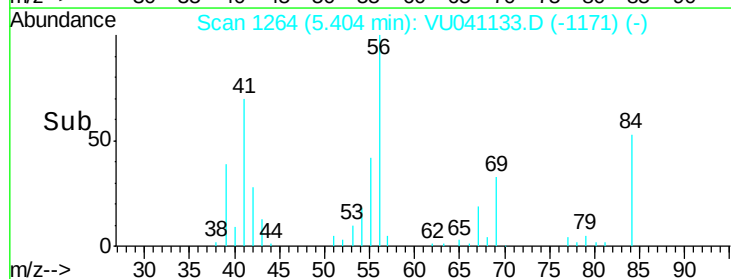
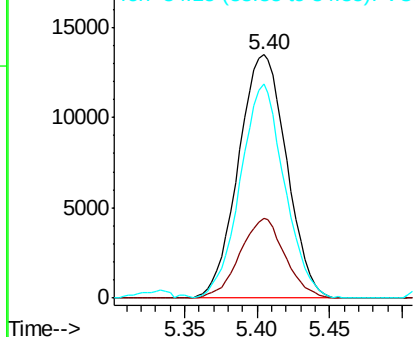


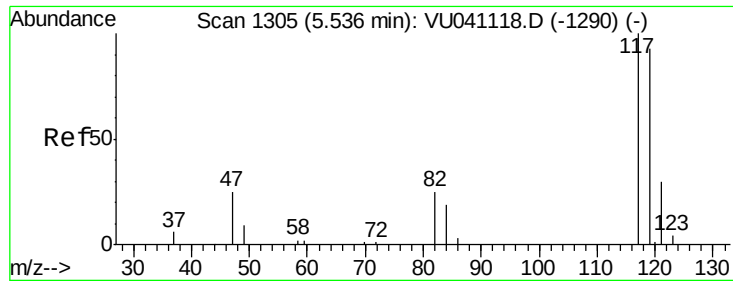
#30
 Cyclohexane
 Concen: 4.384 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU041133.D
 Acq: 09 Nov 2020 09:58

Tgt Ion: 56 Resp: 31127
 Ion Ratio Lower Upper
 56 100
 69 30.6 22.8 34.2
 84 80.7 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

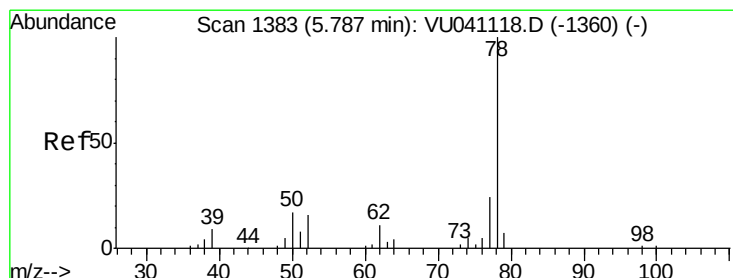
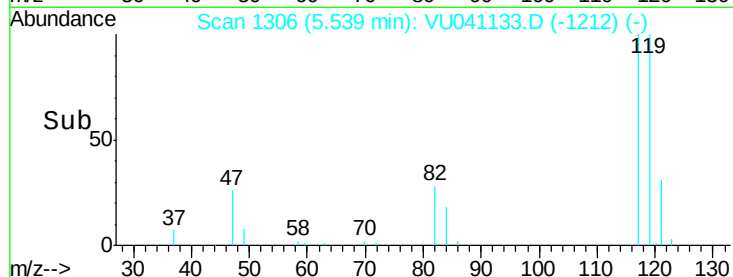
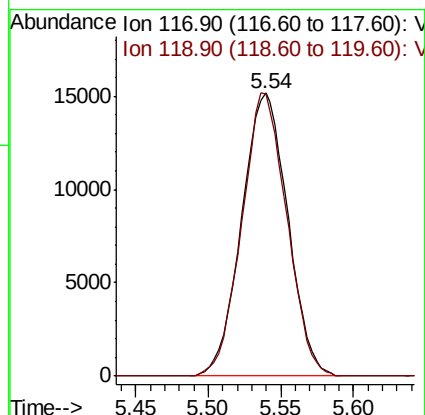
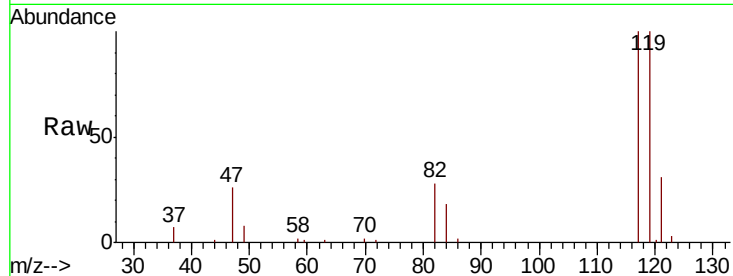




#31
Carbon tetrachloride
Concen: 5.245 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

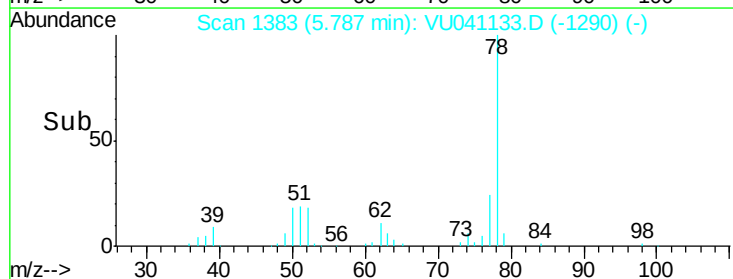
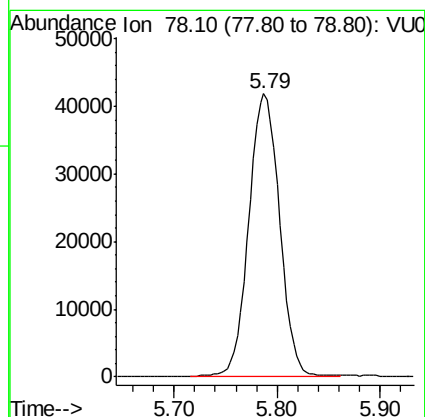
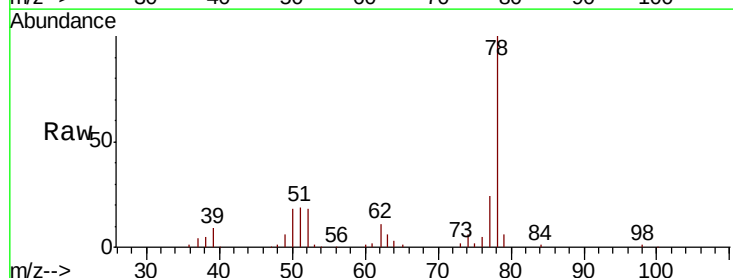
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

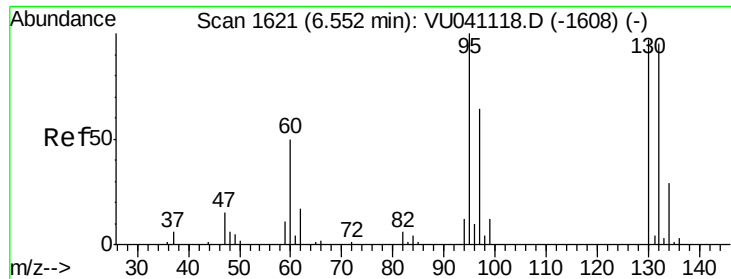
Tot Ion:117 Resp: 33471
Ion Ratio Lower Upper
117 100
119 97.5 76.1 114.1



#33
Benzene
Concen: 4.946 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

Tgt Ion: 78 Resp: 87084

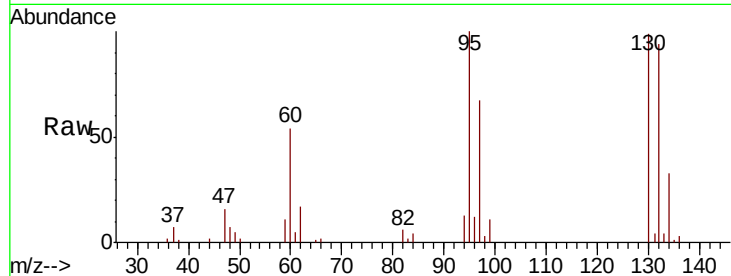




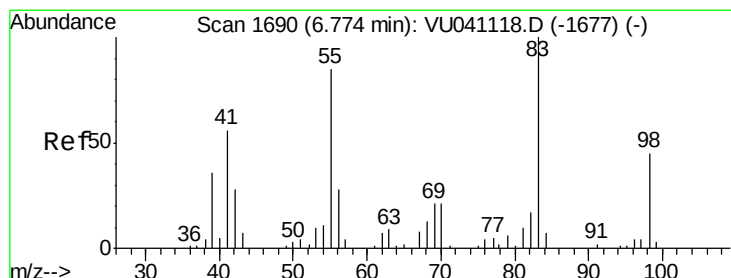
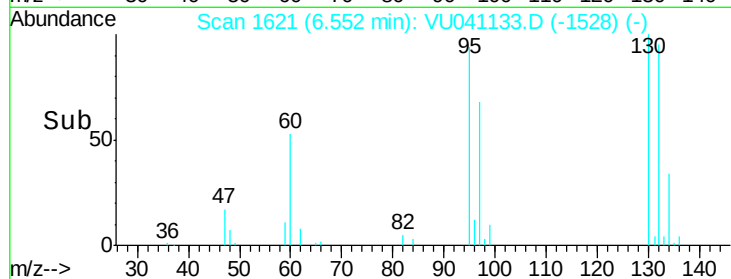
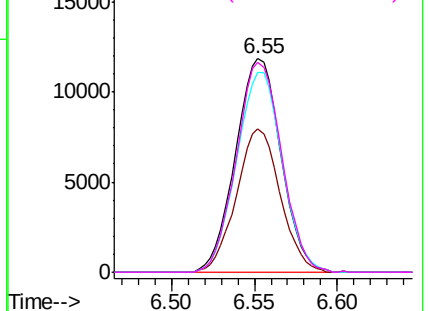
#34
 Trichloroethene
 Concen: 5.031 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041133.D
 Acq: 09 Nov 2020 09:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tot Ion: 95 Resp: 22542
 Ion Ratio Lower Upper
 95 100
 97 66.9 45.6 84.6
 132 93.7 64.8 120.4
 130 98.5 64.8 120.4

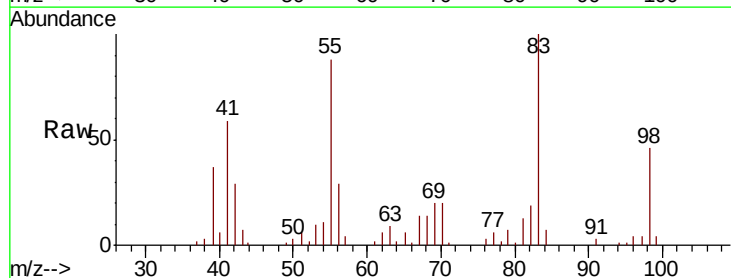


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

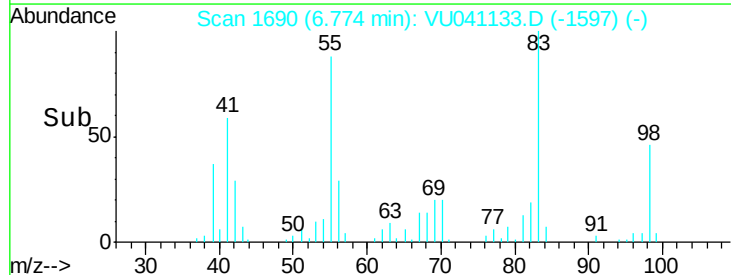
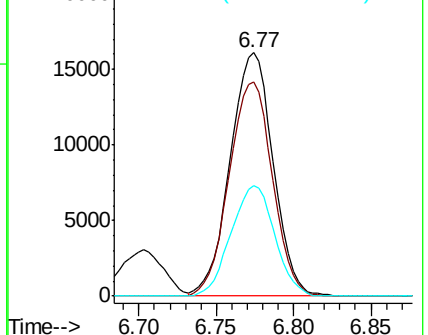


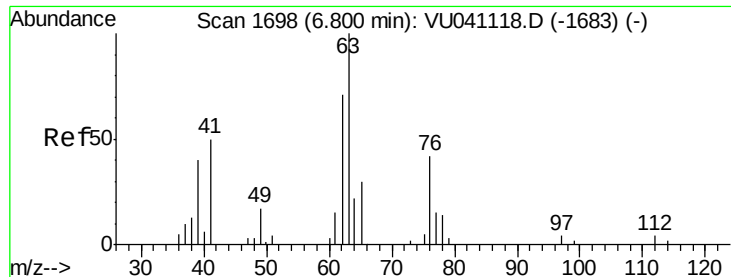
#35
 Methylcyclohexane
 Concen: 4.659 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU041133.D
 Acq: 09 Nov 2020 09:58

Tgt Ion: 83 Resp: 31138
 Ion Ratio Lower Upper
 83 100
 55 88.5 72.0 108.0
 98 46.1 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

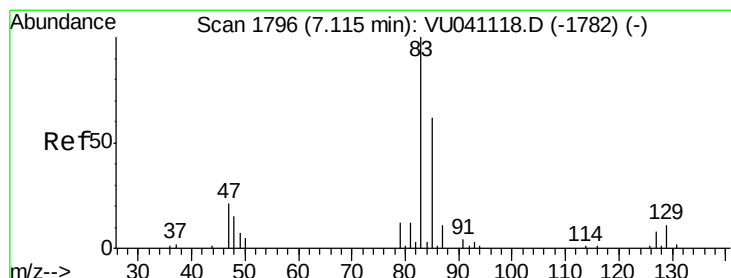
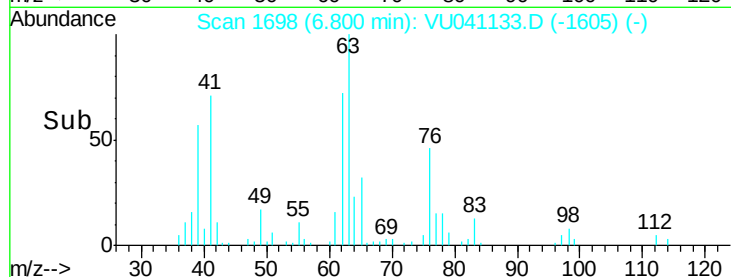
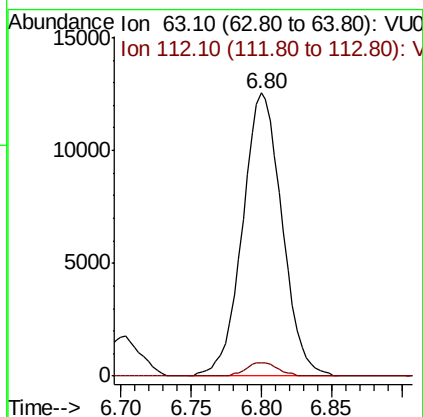
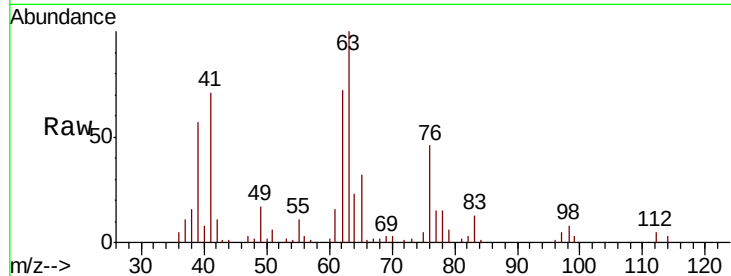




#37
 1,2-Dichloropropane
 Concen: 5.164 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041133.D
 Acq: 09 Nov 2020 09:58

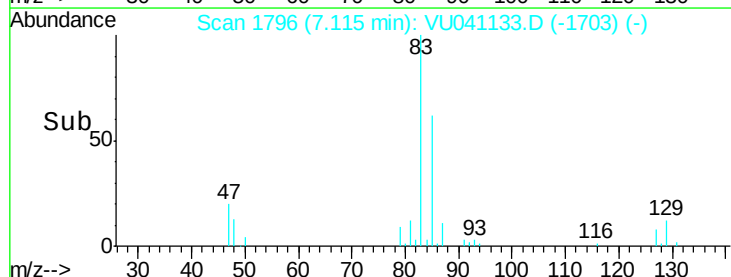
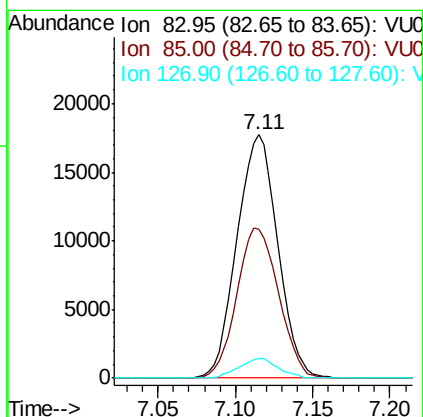
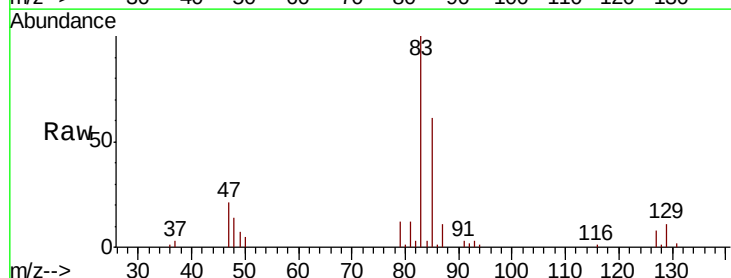
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

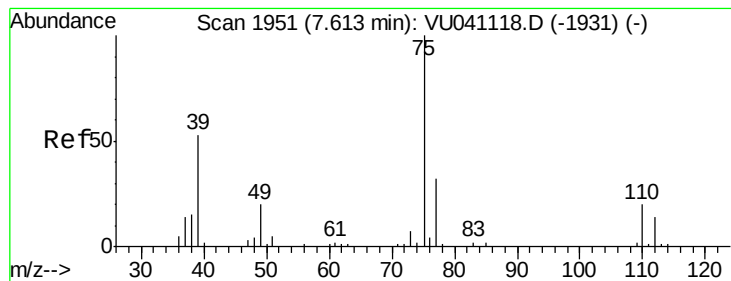
Tot Ion: 63 Resp: 24600
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.272 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041133.D
 Acq: 09 Nov 2020 09:58

Tgt Ion: 83 Resp: 32575
 Ion Ratio Lower Upper
 83 100
 85 61.1 43.3 80.3
 127 8.3 5.9 8.9



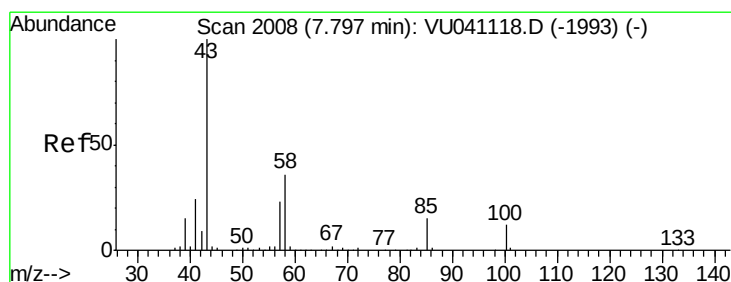
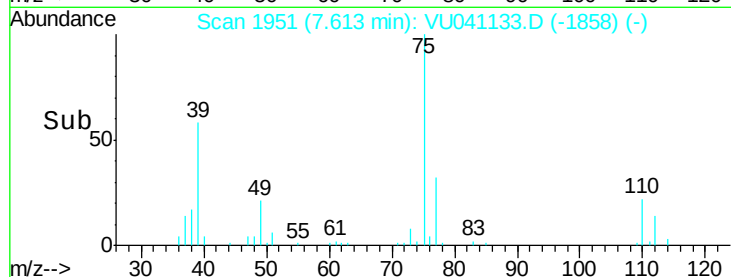
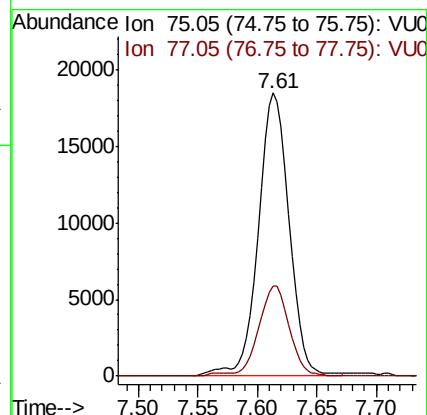
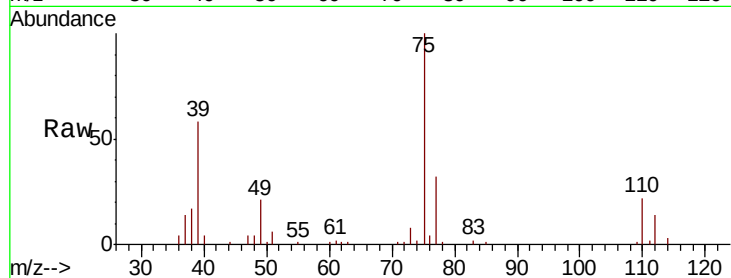


#39

cis-1,3-Dichloropropene
Concen: 5.061 ug/L
RT: 7.61 min Scan# 1951
Delta R.T. -0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

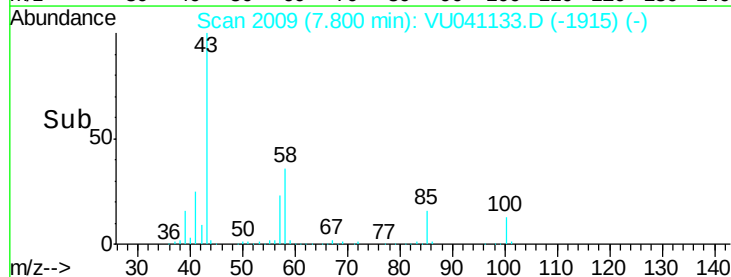
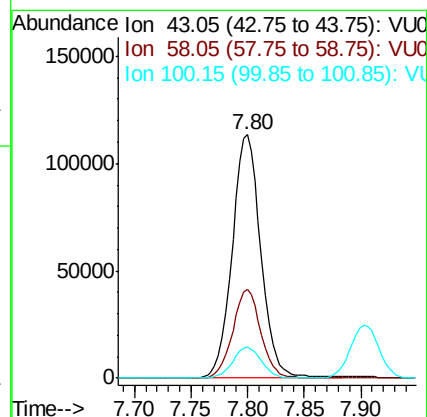
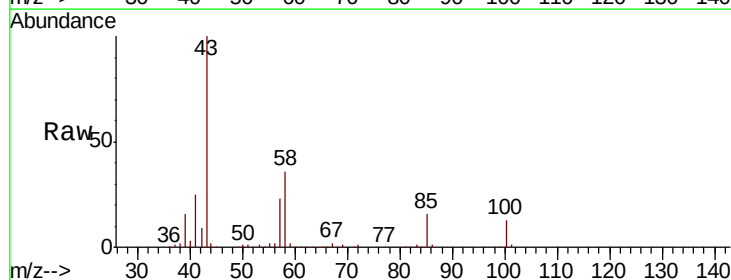
Tot Ion: 75 Resp: 33193
Ion Ratio Lower Upper
75 100
77 32.0 22.7 42.3

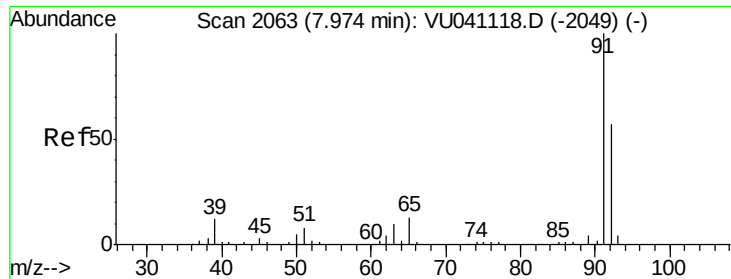


#40

4-Methyl-2-pentanone
Concen: 52.464 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

Tgt Ion: 43 Resp: 199274
Ion Ratio Lower Upper
43 100
58 35.8 29.8 44.6
100 12.7 10.5 15.7





#42

Toluene

Concen: 5.138 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

Instrument :

MSVOA_U

ClientSampleId :

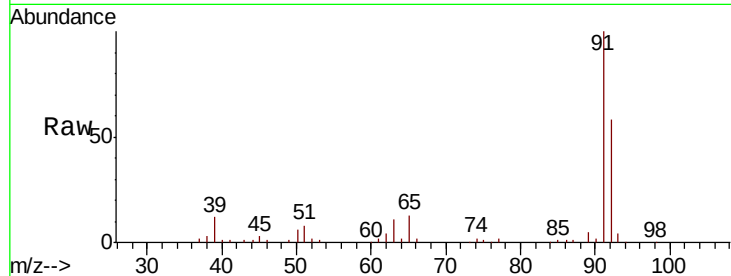
VSTD00521

Tot Ion: 91 Resp: 91718

Ion Ratio Lower Upper

91 100

92 57.9 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041118.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041118.D (-2049) (-)

7.97

60000

50000

40000

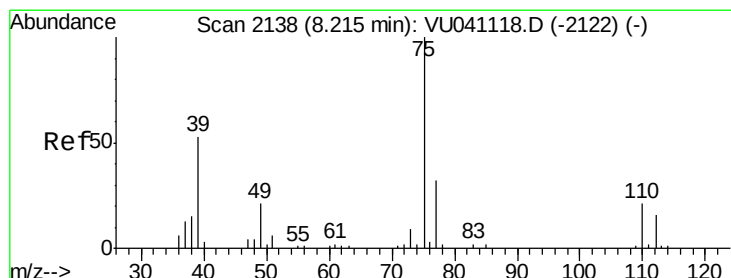
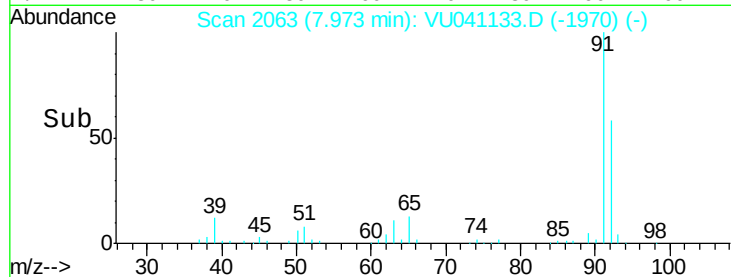
30000

20000

10000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.278 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041133.D

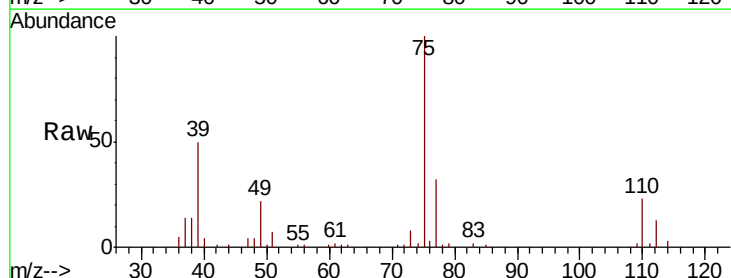
Acq: 09 Nov 2020 09:58

Tgt Ion: 75 Resp: 32395

Ion Ratio Lower Upper

75 100

77 31.9 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041118.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU041118.D (-2122) (-)

8.21

20000

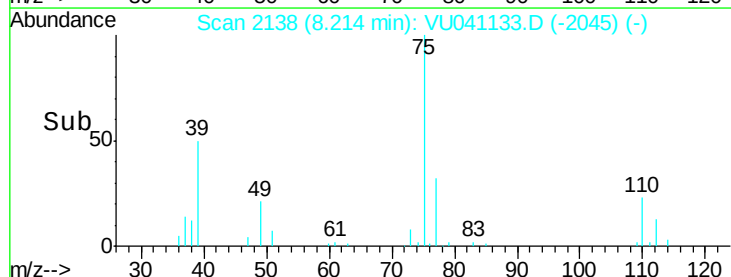
15000

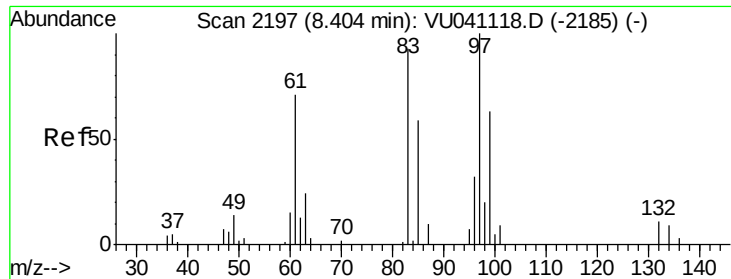
10000

5000

0

Time-->

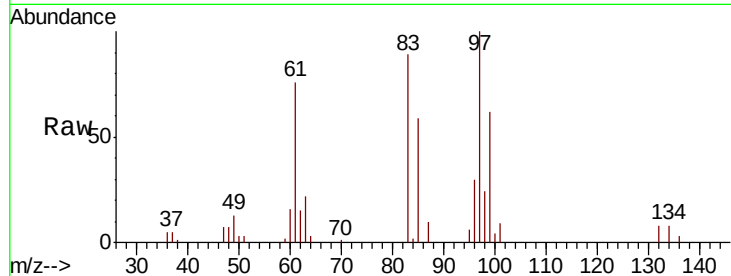




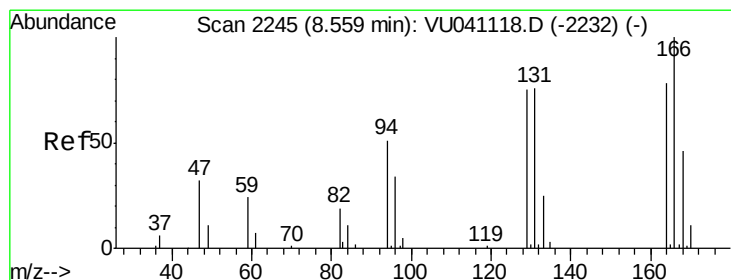
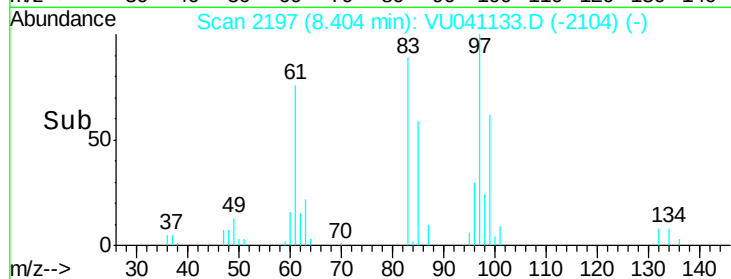
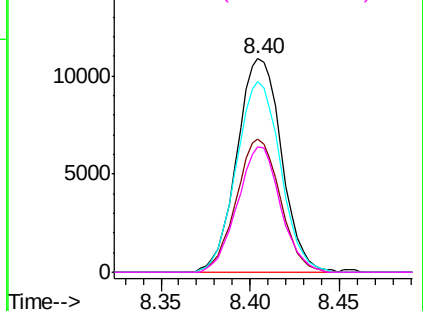
#45
1,1,2-Trichloroethane
Concen: 5.345 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tot Ion:	97	Resp:	18953
Ion	Ratio	Lower	Upper
97	100		
99	62.3	45.8	85.2
83	89.4	67.9	126.1
85	58.7	42.8	79.6

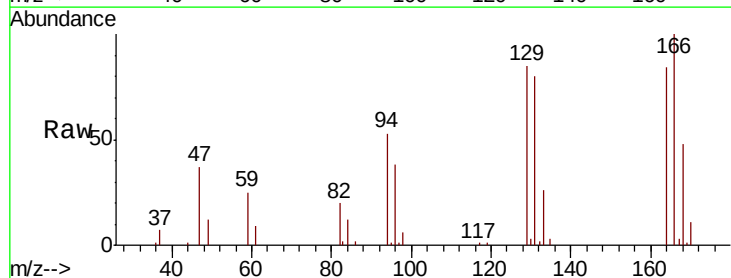


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

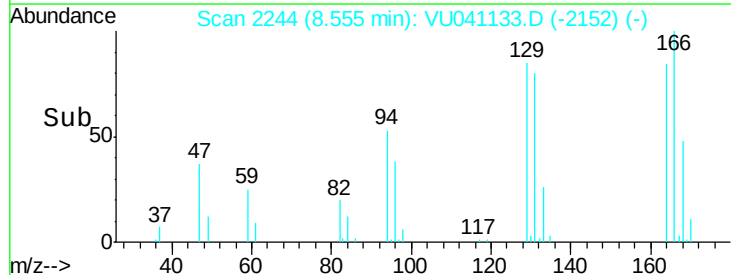
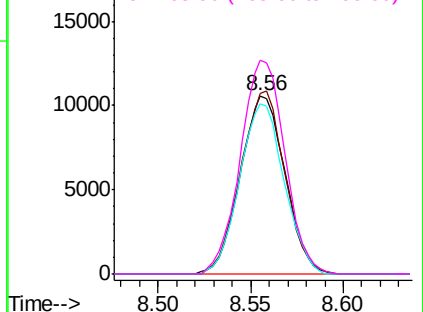


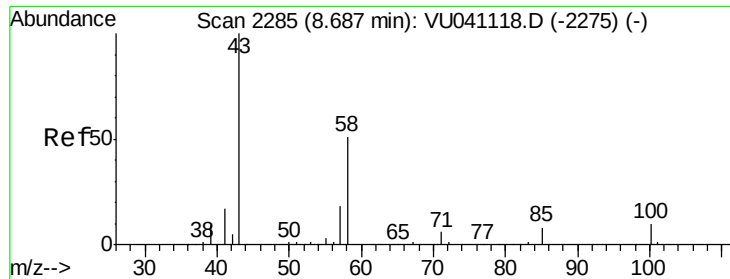
#47
Tetrachloroethene
Concen: 5.358 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

Tgt Ion:	164	Resp:	17653
Ion	Ratio	Lower	Upper
164	100		
129	101.2	70.3	130.7
131	95.7	70.8	131.4
166	119.6	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

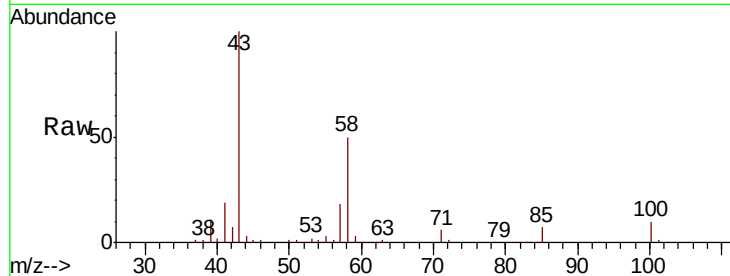




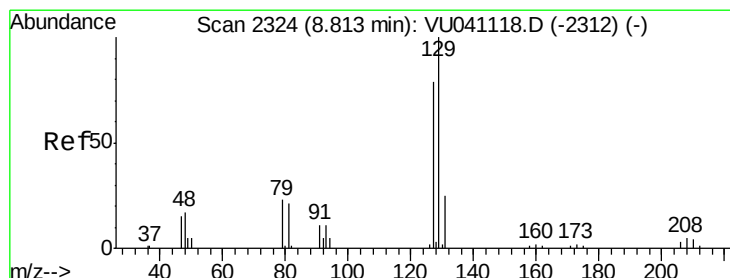
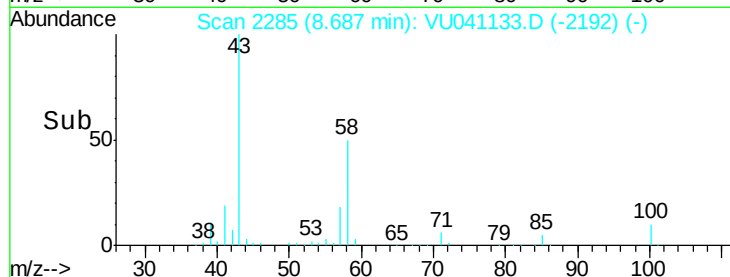
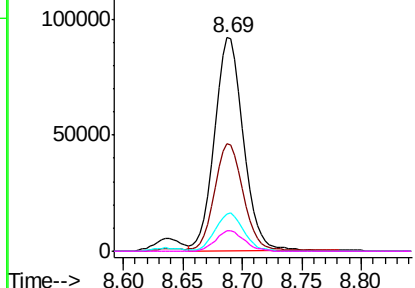
#48
2-Hexanone
Concen: 53.983 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

Instrument :
MSVOA_U
ClientSampled :
VSTD00521

Tot Ion: 43 Resp: 154392
Ion Ratio Lower Upper
43 100
58 50.5 41.4 62.2
57 17.8 14.6 21.8
100 9.6 8.3 12.5

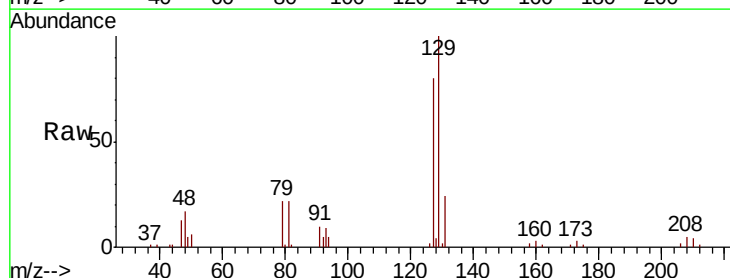


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

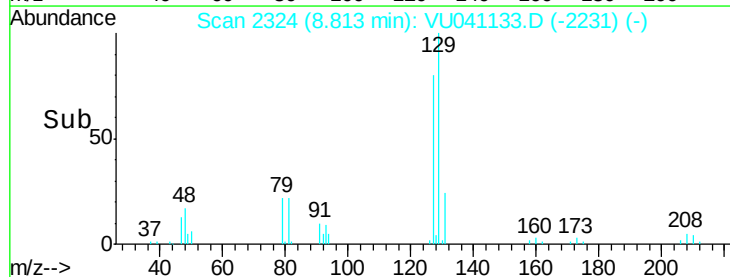
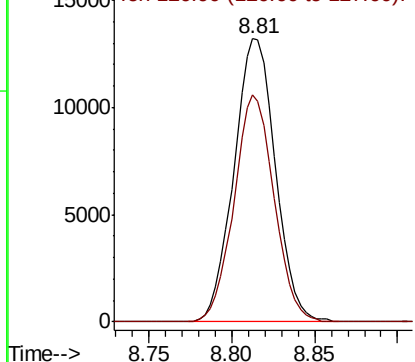


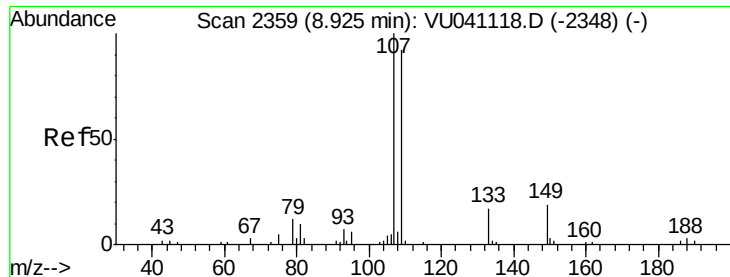
#49
Dibromochloromethane
Concen: 5.580 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

Tgt Ion: 129 Resp: 22979
Ion Ratio Lower Upper
129 100
127 80.1 53.4 99.2



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

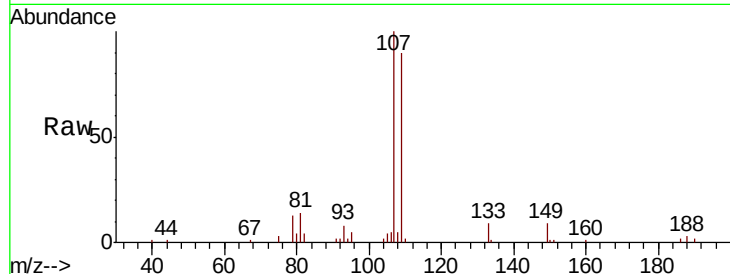




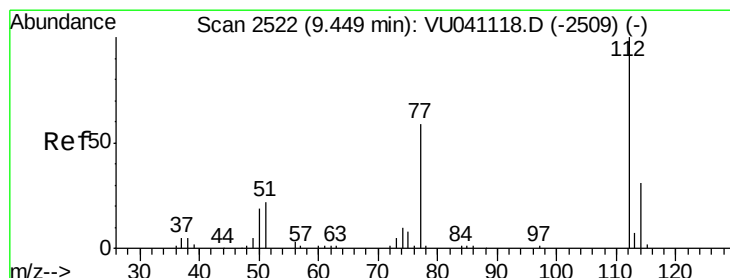
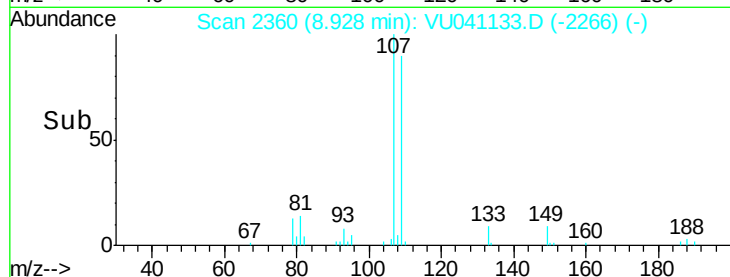
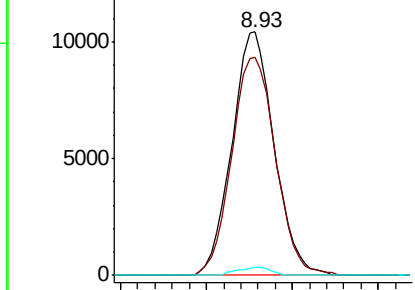
#50
1,2-Dibromoethane
Concen: 5.246 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tot Ion:107 Resp: 17728
Ion Ratio Lower Upper
107 100
109 89.7 65.6 121.8
188 3.3 2.9 4.3

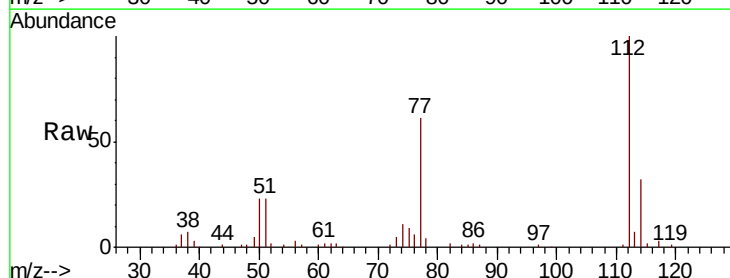


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

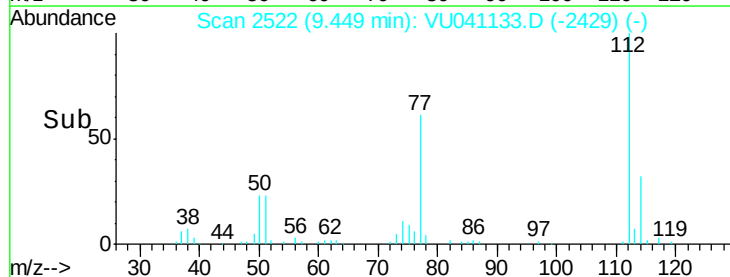
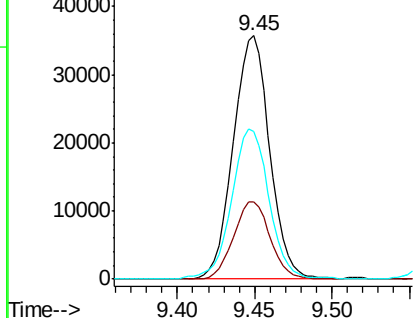


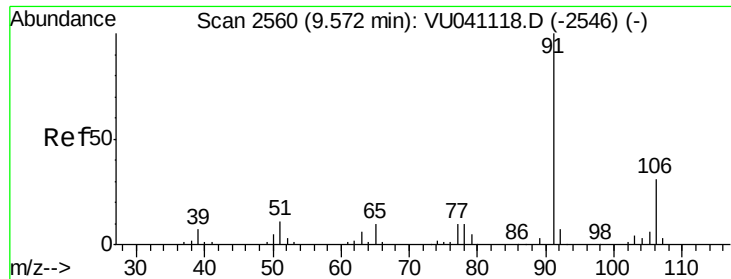
#51
Chlorobenzene
Concen: 5.155 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

Tgt Ion:112 Resp: 58355
Ion Ratio Lower Upper
112 100
114 31.8 22.4 41.6
77 60.6 51.2 76.8



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





#52

Ethylbenzene

Concen: 5.019 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

Instrument :

MSVOA_U

ClientSampleId :

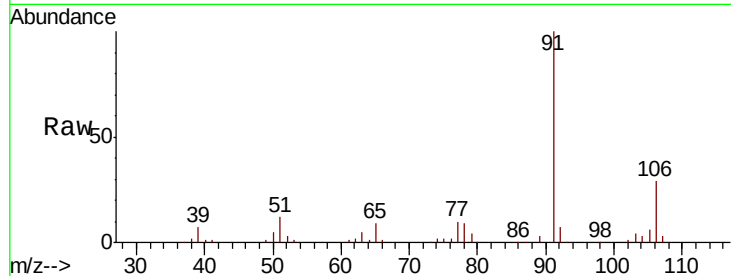
VSTD00521

Tot Ion: 91 Resp: 94320

Ion Ratio Lower Upper

91 100

106 29.3 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041118.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU041118.D (-2546) (-)

9.57

60000

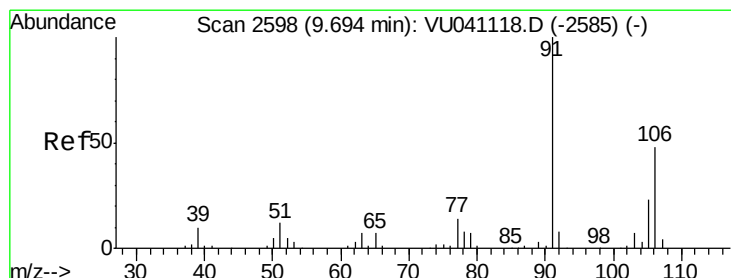
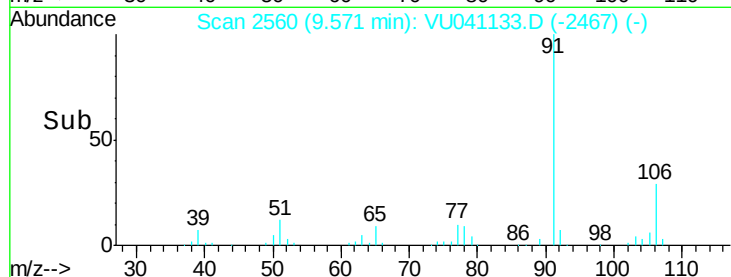
40000

20000

0

Time-->

9.50 9.55 9.60 9.65



#53

m,p-Xylene

Concen: 5.307 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041133.D

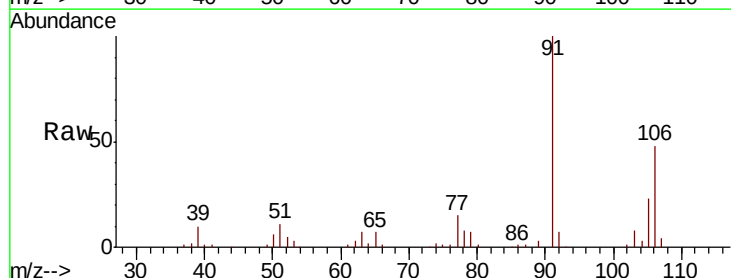
Acq: 09 Nov 2020 09:58

Tgt Ion: 106 Resp: 36373

Ion Ratio Lower Upper

106 100

91 210.0 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041118.D (-2585) (-)

Ion 91.15 (90.85 to 91.85): VU041118.D (-2585) (-)

9.69

50000

40000

30000

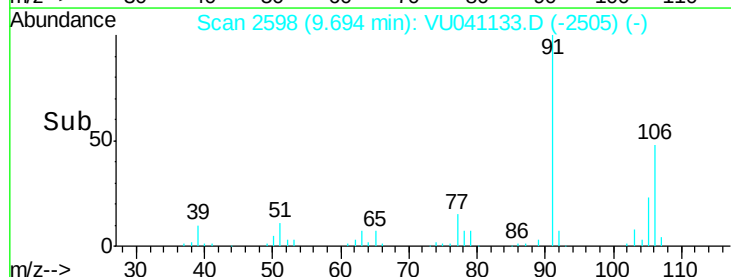
20000

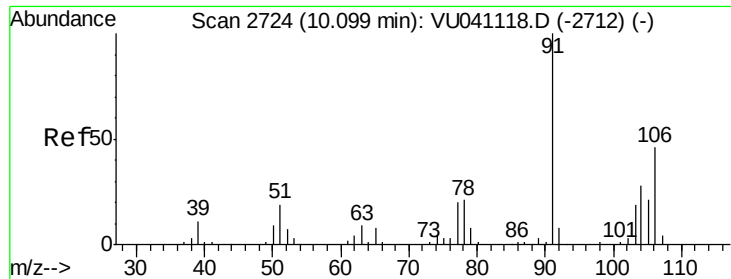
10000

0

Time-->

9.65 9.70 9.75

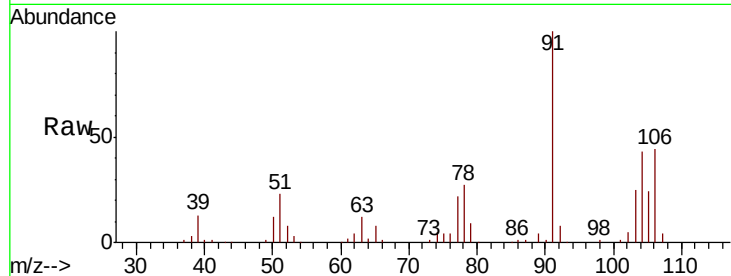




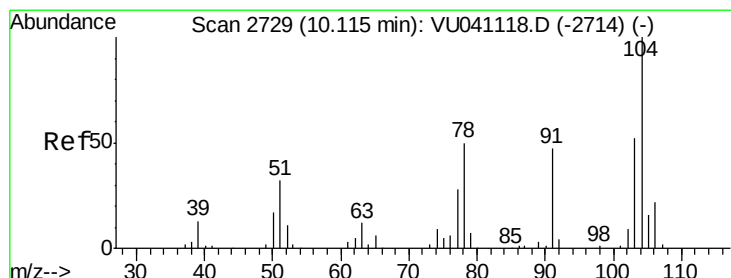
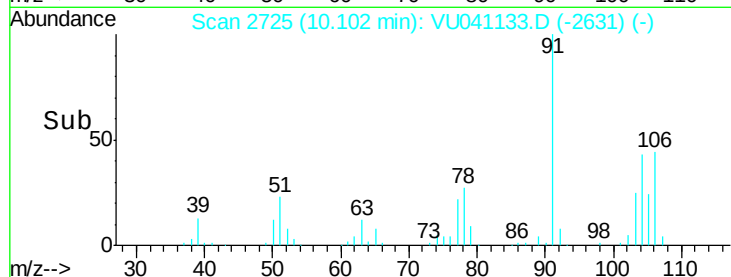
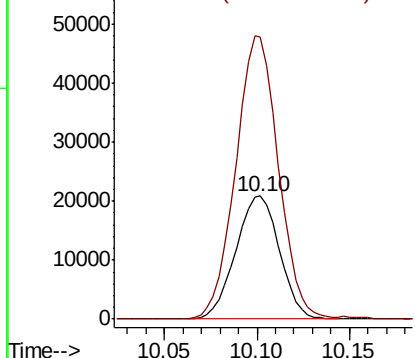
#54
o-Xylene
Concen: 5.353 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tot Ion:106 Resp: 34167
Ion Ratio Lower Upper
106 100
91 228.4 154.3 286.5

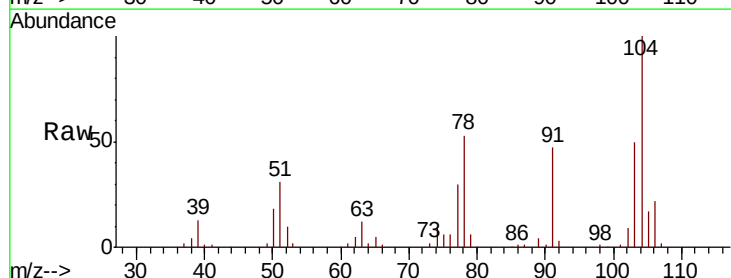


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

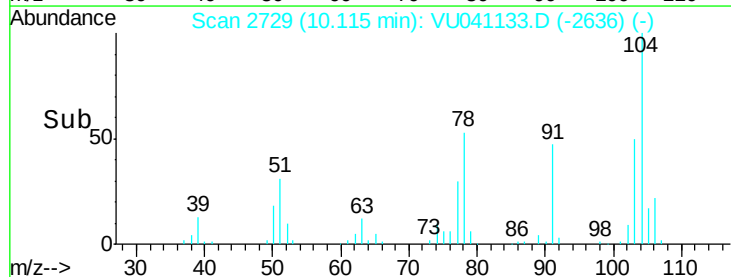
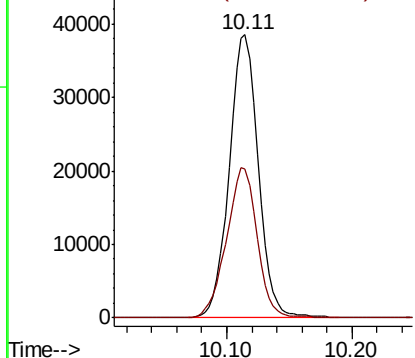


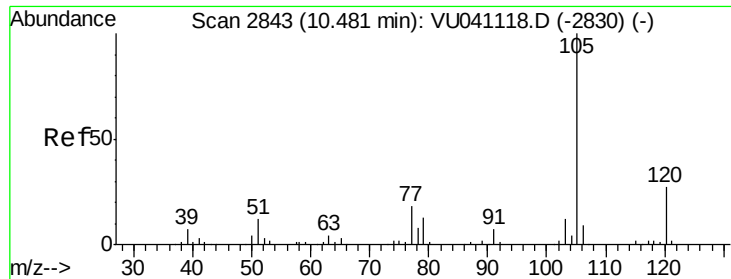
#55
Styrene
Concen: 5.448 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

Tgt Ion:104 Resp: 61955
Ion Ratio Lower Upper
104 100
78 52.6 35.5 65.9



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





#56

Isopropylbenzene

Concen: 5.465 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

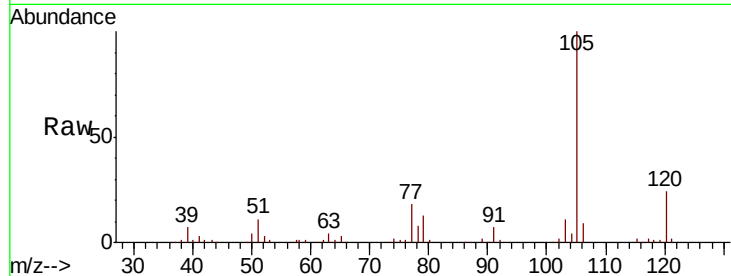
Tot Ion:105 Resp: 93789

Ion Ratio Lower Upper

105 100

120 25.0 20.7 31.1

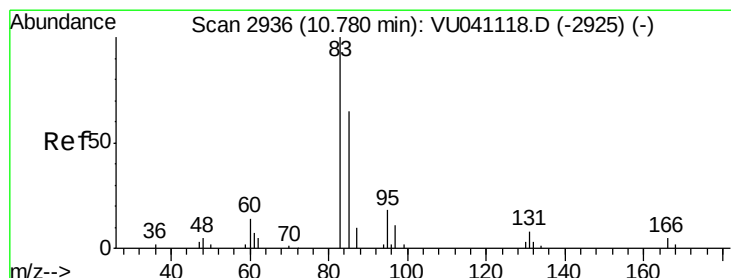
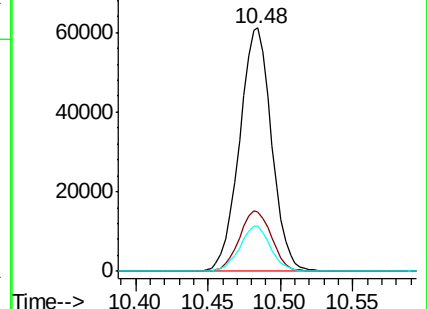
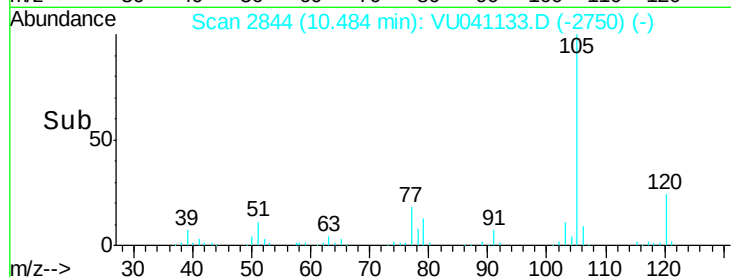
77 17.8 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.051 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

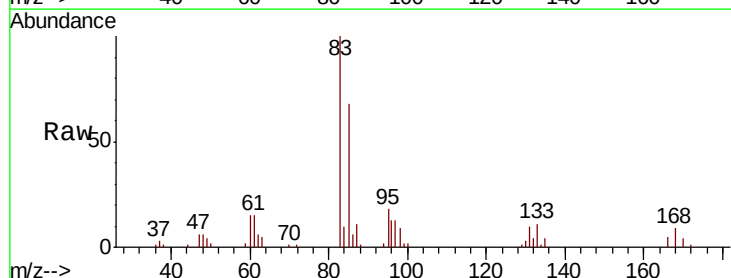
Tgt Ion: 83 Resp: 23525

Ion Ratio Lower Upper

83 100

85 68.0 44.4 82.4

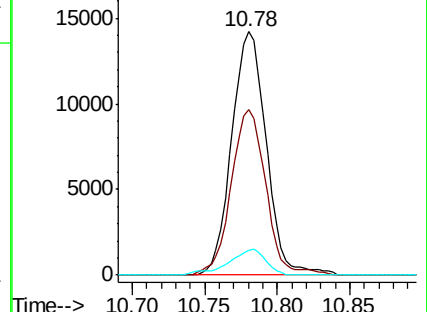
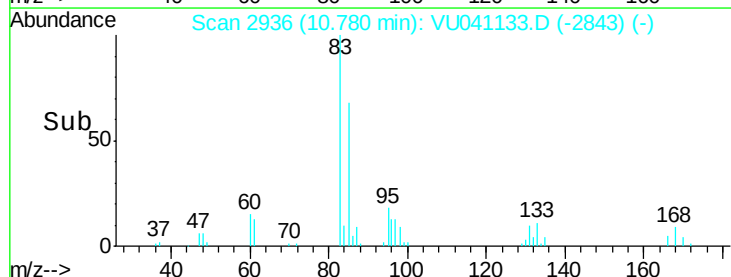
131 10.2 7.7 11.5

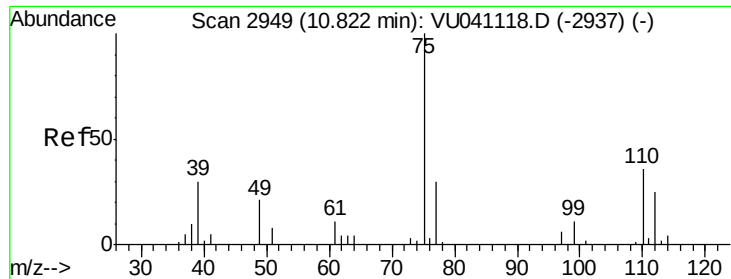


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.382 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

Instrument :

MSVOA_U

ClientSampleId :

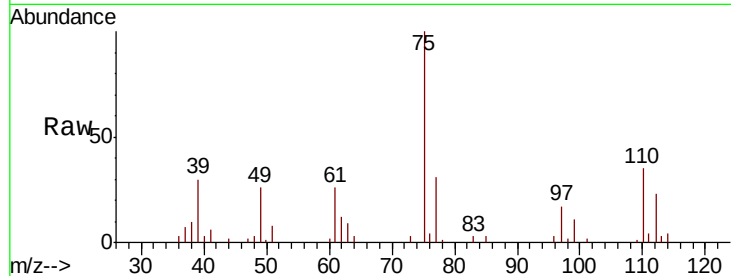
VSTD00521

Tot Ion: 75 Resp: 19109

Ion Ratio Lower Upper

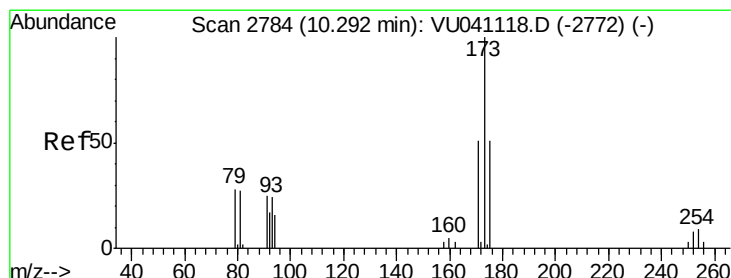
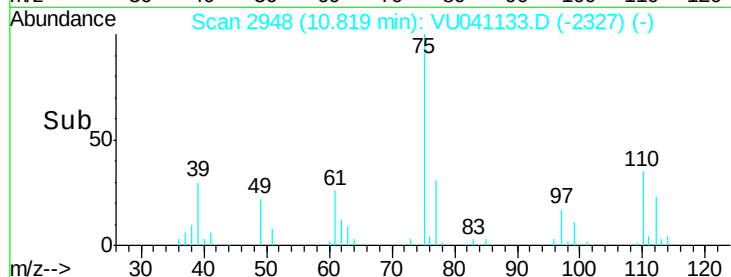
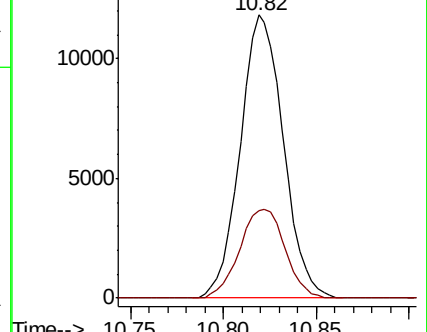
75 100

77 33.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041118.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041118.D (-2937) (-)



#61

Bromoform

Concen: 5.399 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

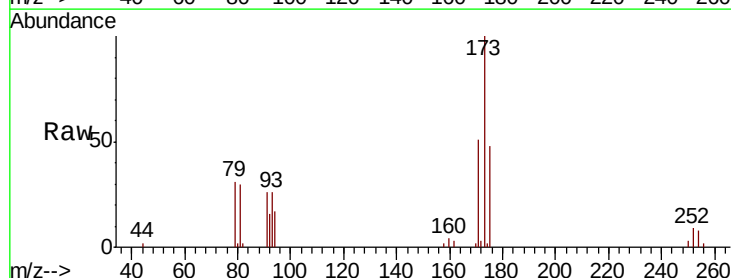
Tgt Ion: 173 Resp: 13159

Ion Ratio Lower Upper

173 100

175 48.1 37.6 56.4

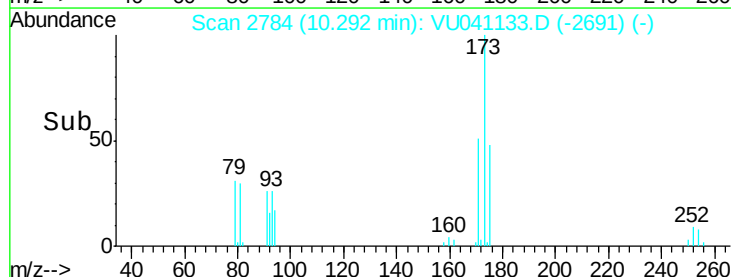
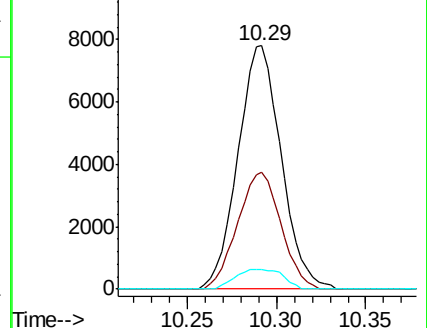
254 8.9 6.6 9.8

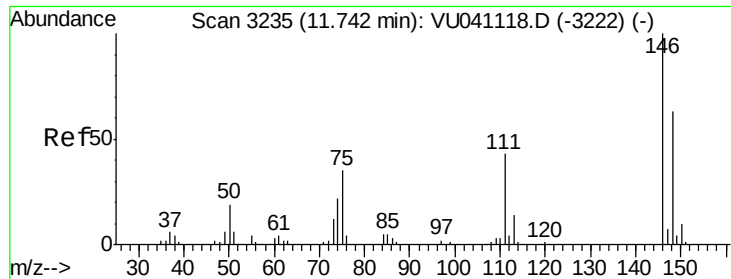


Abundance Ion 172.90 (172.60 to 173.60): VU041118.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041118.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041118.D (-2772) (-)

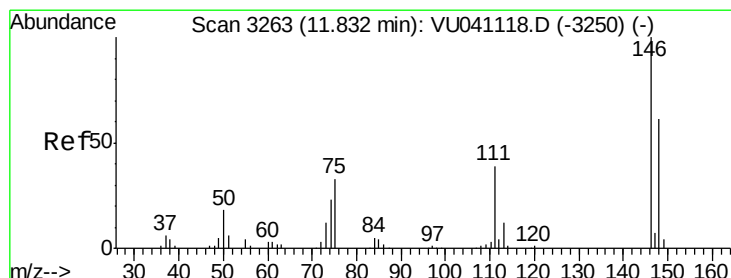
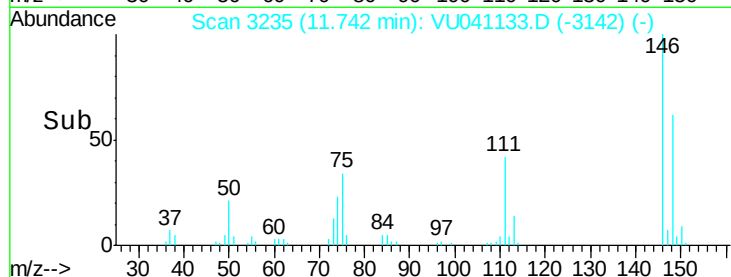
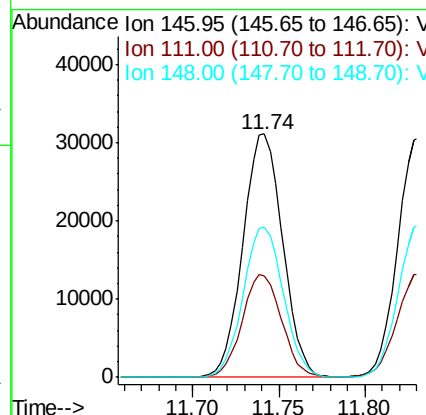
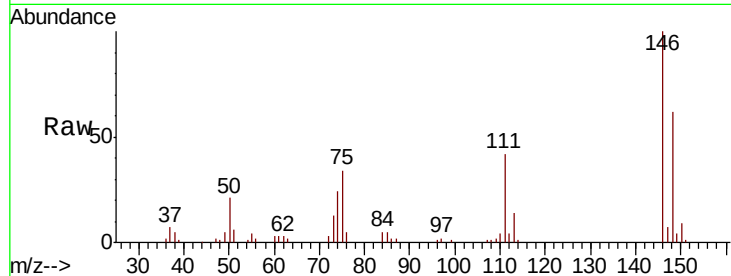




#62
 1,3-Dichlorobenzene
 Concen: 5.460 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041133.D
 Acq: 09 Nov 2020 09:58

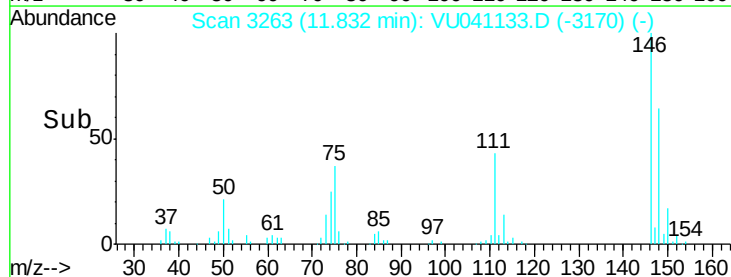
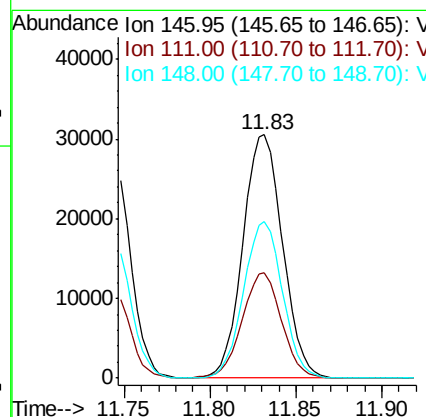
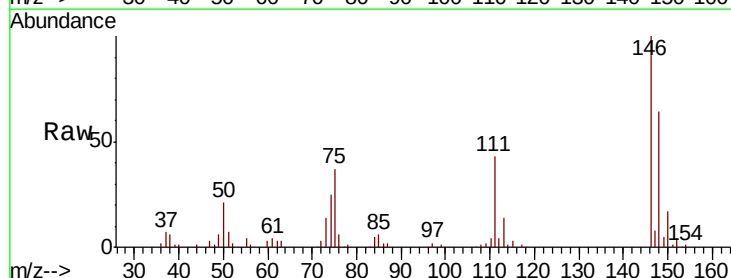
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

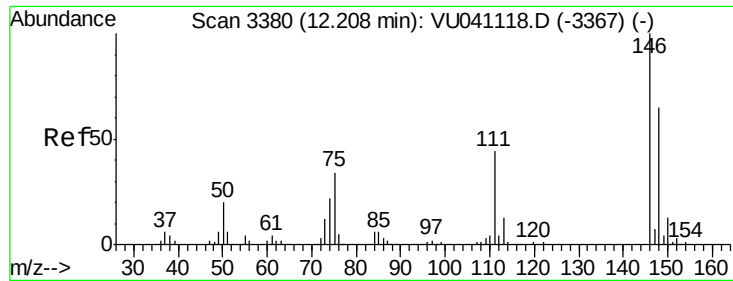
Tot Ion:146 Resp: 49846
 Ion Ratio Lower Upper
 146 100
 111 41.9 30.9 57.3
 148 61.8 45.8 85.2



#63
 1,4-Dichlorobenzene
 Concen: 5.186 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041133.D
 Acq: 09 Nov 2020 09:58

Tgt Ion:146 Resp: 49031
 Ion Ratio Lower Upper
 146 100
 111 43.1 28.3 52.7
 148 64.4 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 5.300 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

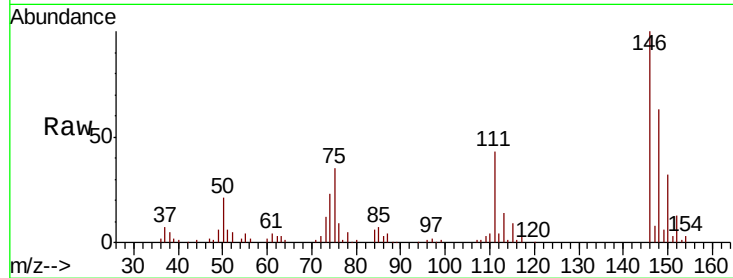
Tot Ion:146 Resp: 47745

Ion Ratio Lower Upper

146 100

111 43.3 35.0 52.6

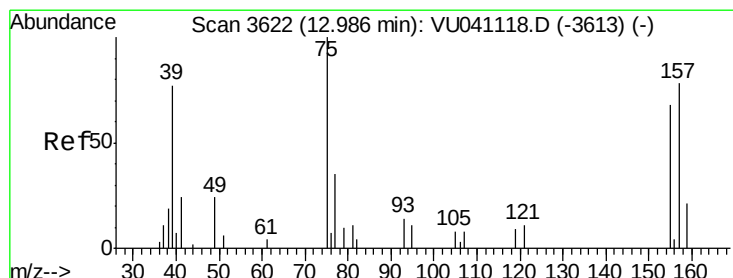
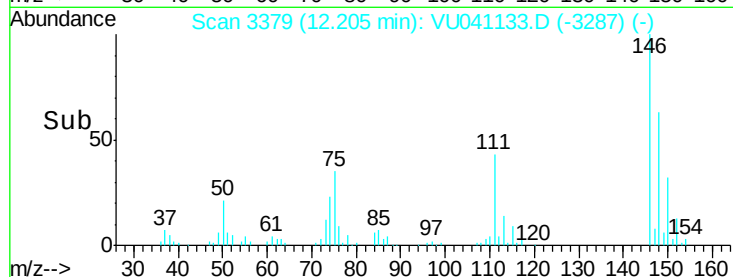
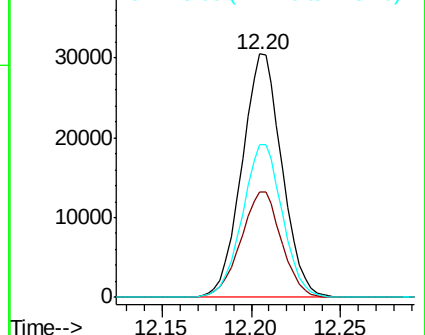
148 62.6 52.0 78.0



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: 4.858 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU041133.D

Acq: 09 Nov 2020 09:58

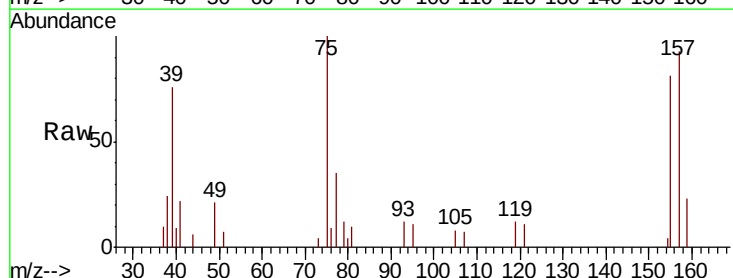
Tgt Ion: 75 Resp: 4289

Ion Ratio Lower Upper

75 100

155 81.1 61.4 92.2

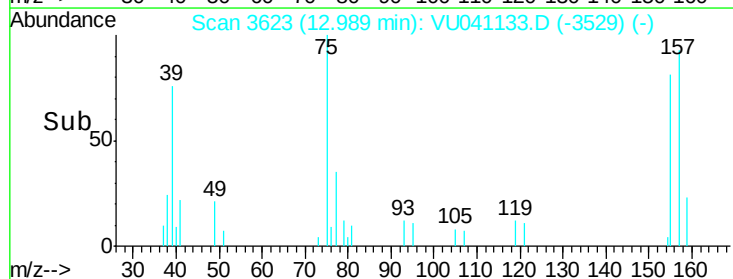
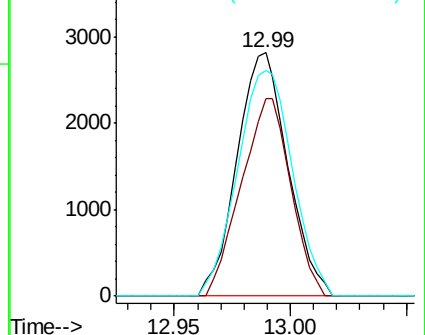
157 92.9 74.2 111.4

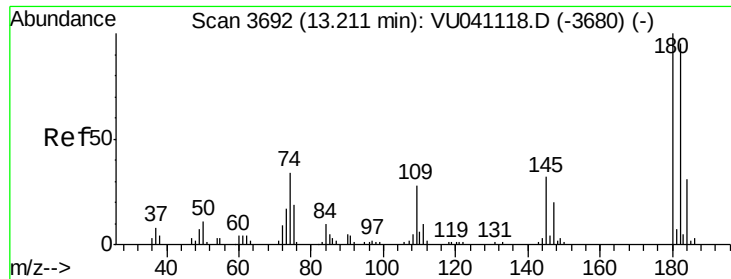


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

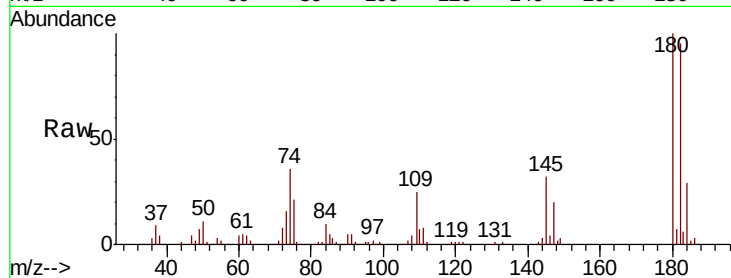




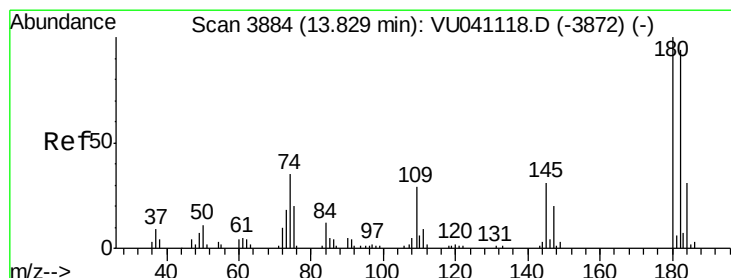
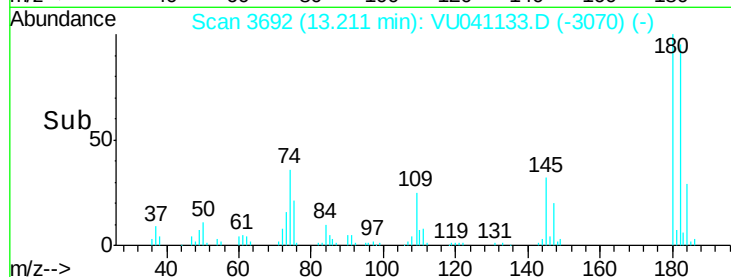
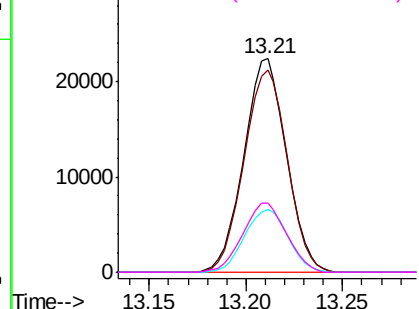
#67
 1,3,5-Trichlorobenzene
 Concen: 5.372 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041133.D
 Acq: 09 Nov 2020 09:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tot Ion:180 Resp: 34298
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.7 113.5
 184 29.8 23.7 35.5
 145 33.0 26.1 39.1

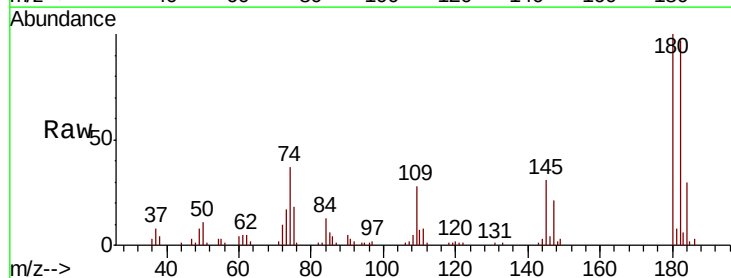


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

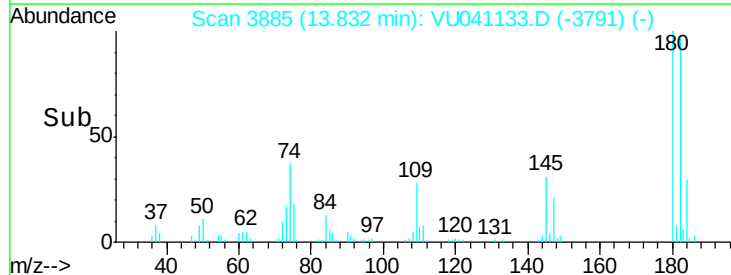
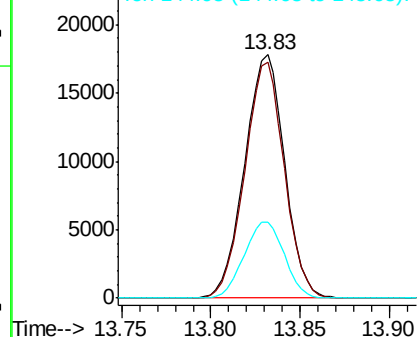


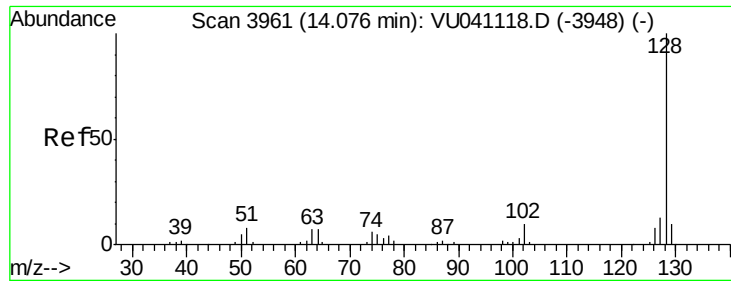
#68
 1,2,4-trichlorobenzene
 Concen: 5.293 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041133.D
 Acq: 09 Nov 2020 09:58

Tgt Ion:180 Resp: 27991
 Ion Ratio Lower Upper
 180 100
 182 95.3 73.5 110.3
 145 31.3 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

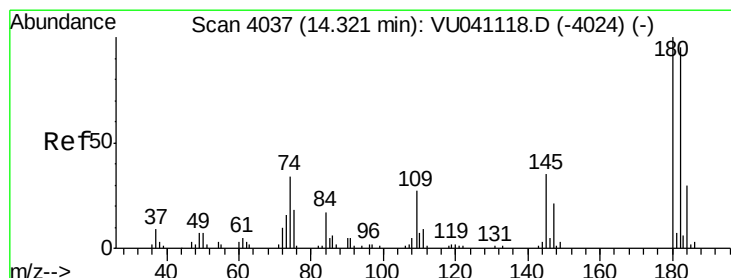
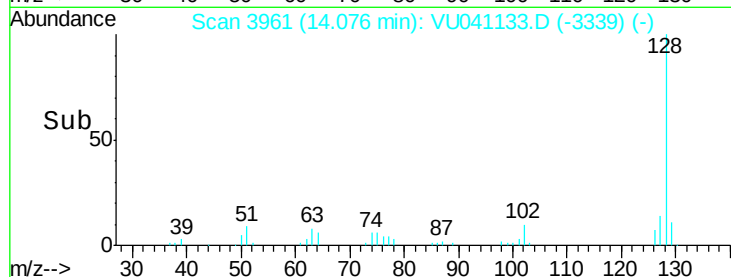
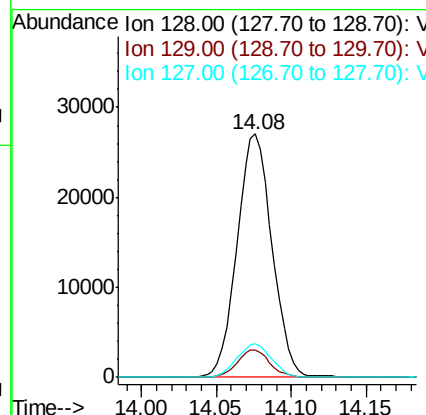
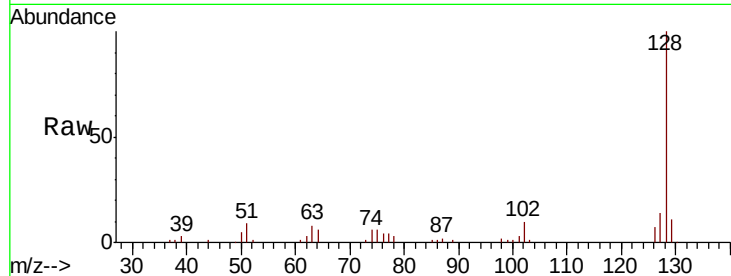




#69
Naphthalene
Concen: 4.652 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tot Ion:128 Resp: 43993
Ion Ratio Lower Upper
128 100
129 10.4 8.7 13.1
127 13.6 10.8 16.2



#70
1,2,3-Trichlorobenzene
Concen: 5.347 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU041133.D
Acq: 09 Nov 2020 09:58

Tgt Ion:180 Resp: 26064
Ion Ratio Lower Upper
180 100
182 95.5 77.7 116.5
145 34.0 29.4 44.0

