

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091520\
 Data File : VU040134.D
 Acq On : 15 Sep 2020 11:47
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Quant Time: Sep 16 03:05:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 15 14:13:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124748	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121854	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	63280	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33601	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.92	69	29111	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.58	63	87123	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.60%
20) 2-Butanone-d5	4.66	46	127425	46.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.54%
24) Chloroform-d	5.08	84	73949	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.72	65	44547	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.74	84	132617	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.70	67	43231	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.90	98	119849	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	8.18	79	19316	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.64	63	96974	47.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.06%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	39825	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	46642	4.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	62823	5.074 ug/L	99
3) Chloromethane	1.53	50	50857	4.291 ug/L	100
5) Vinyl chloride	1.61	62	57454	4.781 ug/L	99
6) Bromomethane	1.87	94	21818	3.552 ug/L	96
8) Chloroethane	1.94	64	35873	4.968 ug/L	99
9) Trichlorofluoromethane	2.15	101	89058	5.174 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	58491	5.242 ug/L	98
12) 1,1-Dichloroethene	2.59	96	50890	5.271 ug/L	96
13) Acetone	2.67	43	128756	51.054 ug/L	95
14) Carbon disulfide	2.81	76	146207	4.723 ug/L	99
15) Methyl Acetate	2.97	43	25571	4.040 ug/L	95
16) Methylene chloride	3.06	84	61668	4.878 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	140934	4.844 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	53631	5.164 ug/L	94
19) 1,1-Dichloroethane	3.89	63	103542	4.844 ug/L	99
21) 2-Butanone	4.74	43	209092	50.783 ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	54728	4.901 ug/L	93

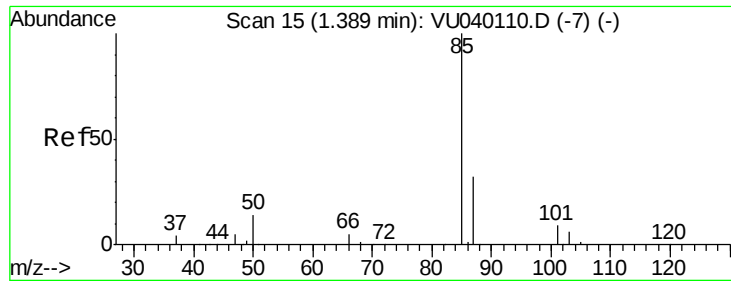
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091520\
 Data File : VU040134.D
 Acq On : 15 Sep 2020 11:47
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Quant Time: Sep 16 03:05:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 15 14:13:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	26213	5.358	ug/L	92
25) Chloroform	5.11	83	113611	5.190	ug/L	99
27) 1,2-Dichloroethane	5.81	62	80718	5.033	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	95264	4.979	ug/L	99
30) Cyclohexane	5.40	56	88319	4.760	ug/L	100
31) Carbon tetrachloride	5.54	117	82733	5.053	ug/L	99
33) Benzene	5.79	78	223707	5.132	ug/L	100
34) Trichloroethene	6.55	95	58766	5.026	ug/L	98
35) Methylcyclohexane	6.77	83	85496	4.775	ug/L	98
37) 1,2-Dichloropropane	6.80	63	61194	5.184	ug/L	98
38) Bromodichloromethane	7.11	83	78862	4.894	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	85710	4.924	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	478997	49.458	ug/L	98
42) Toluene	7.97	91	234055	5.214	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	79502	4.929	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	44673	5.195	ug/L	98
47) Tetrachloroethene	8.56	164	39319	5.119	ug/L	94
48) 2-Hexanone	8.69	43	360254	50.995	ug/L	98
49) Dibromochloromethane	8.81	129	53877	5.220	ug/L	99
50) 1,2-Dibromoethane	8.93	107	42755	5.157	ug/L	95
51) Chlorobenzene	9.45	112	151070	5.420	ug/L	94
52) Ethylbenzene	9.57	91	260433	5.106	ug/L	100
53) m,p-Xylene	9.69	106	97556	5.372	ug/L	97
54) o-Xylene	10.10	106	91575	5.292	ug/L	96
55) Styrene	10.11	104	165949	5.514	ug/L	95
56) Isopropylbenzene	10.48	105	254440	5.391	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	60063	5.447	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	44582	5.098	ug/L	97
61) Bromoform	10.29	173	27948	4.815	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	119651	5.173	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	122082	5.216	ug/L	95
65) 1,2-Dichlorobenzene	12.20	146	114262	5.106	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	10435	4.360	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	81292	4.999	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	69174	4.938	ug/L	99
69) Naphthalene	14.08	128	133108	4.559	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	63866	4.964	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.074 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

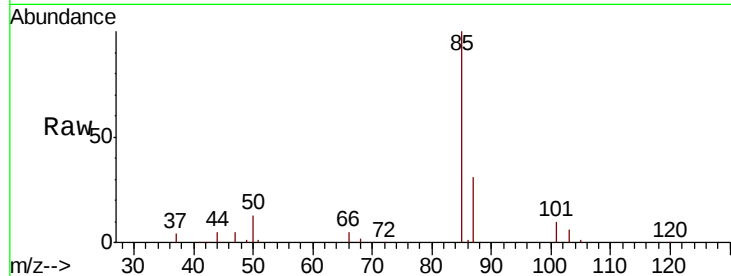
VSTD00530

Tot Ion: 85 Resp: 62823

Ion Ratio Lower Upper

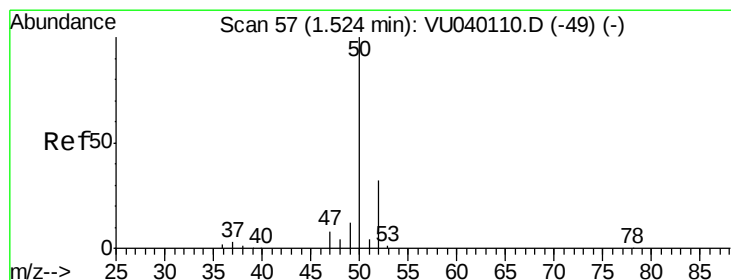
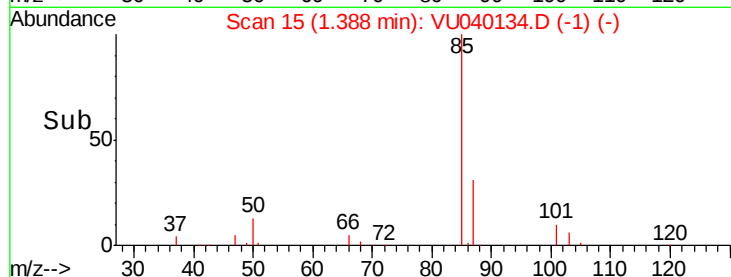
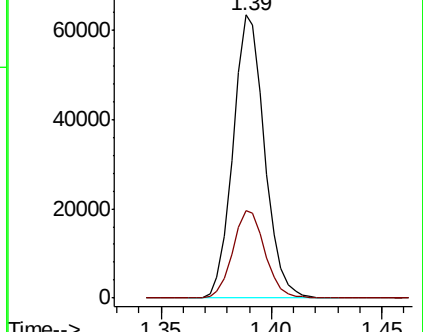
85 100

87 31.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU040134.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU040134.D (-1) (-)



#3

Chloromethane

Concen: 4.291 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040134.D

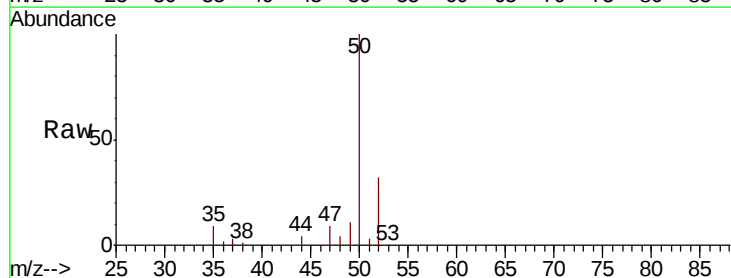
Acq: 15 Sep 2020 11:47

Tgt Ion: 50 Resp: 50857

Ion Ratio Lower Upper

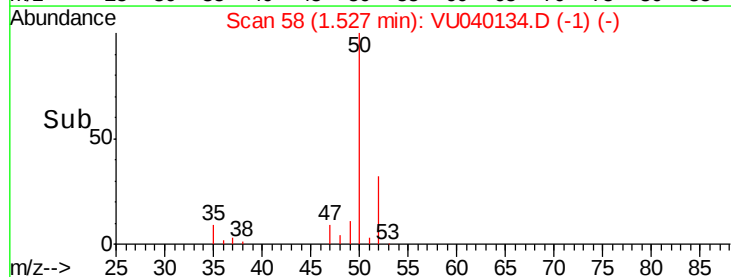
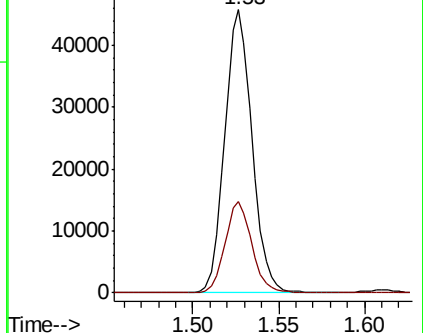
50 100

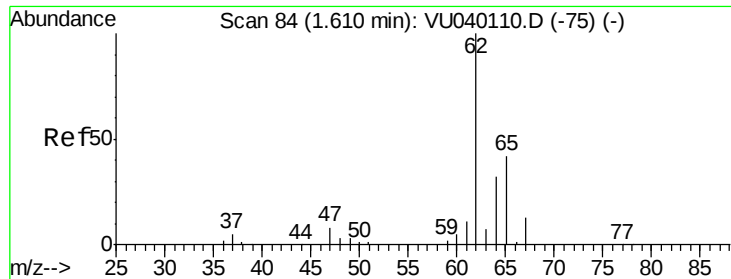
52 32.4 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040134.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040134.D (-1) (-)





#5

Vinyl chloride

Concen: 4.781 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

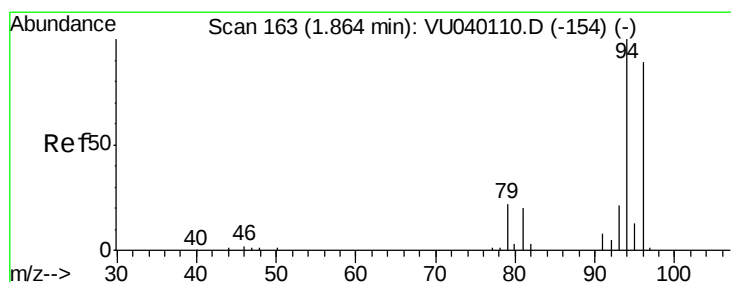
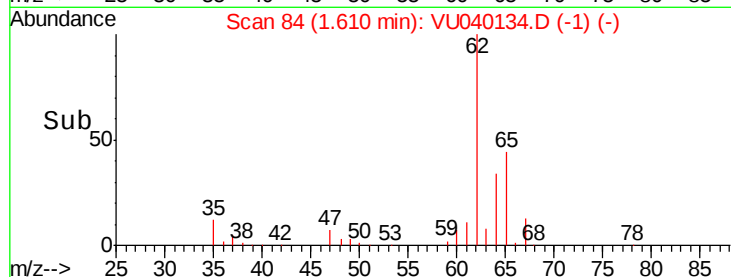
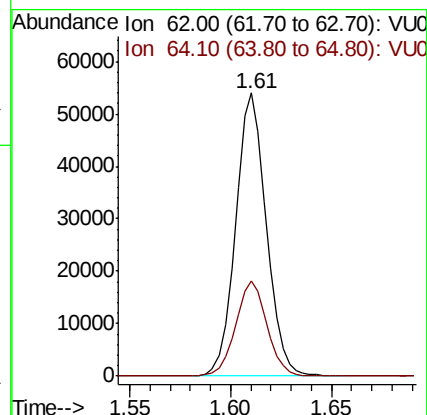
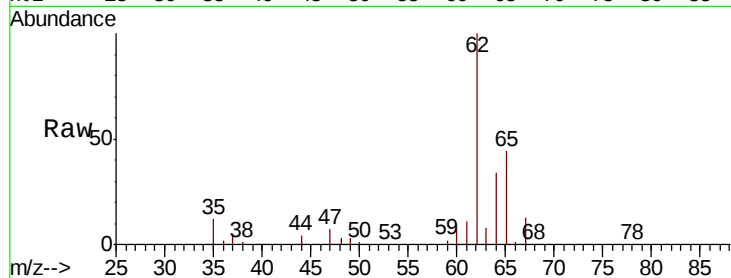
VSTD00530

Tot Ion: 62 Resp: 57454

Ion Ratio Lower Upper

62 100

64 33.6 23.9 44.3



#6

Bromomethane

Concen: 3.552 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040134.D

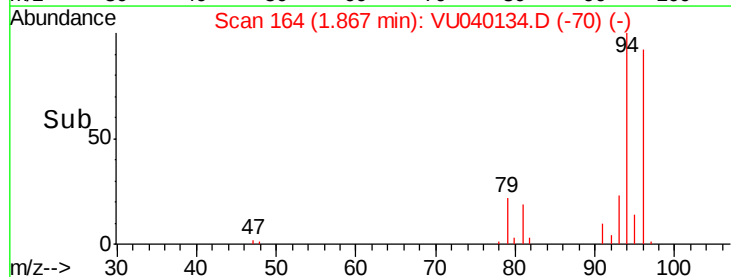
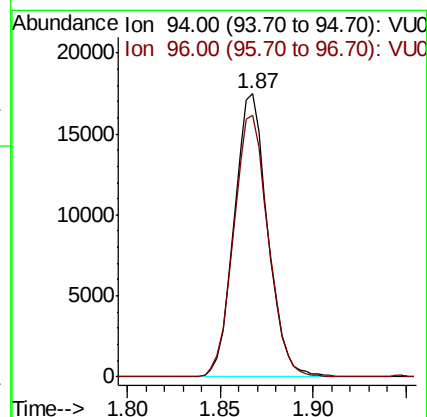
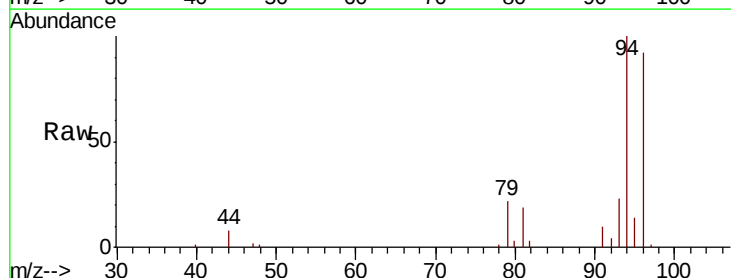
Acq: 15 Sep 2020 11:47

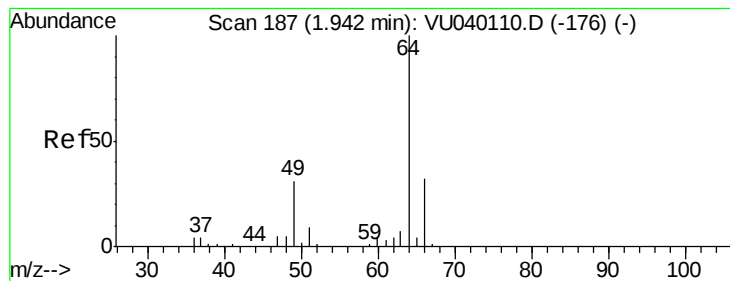
Tgt Ion: 94 Resp: 21818

Ion Ratio Lower Upper

94 100

96 92.4 62.3 115.7





#8

Chloroethane

Concen: 4.968 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

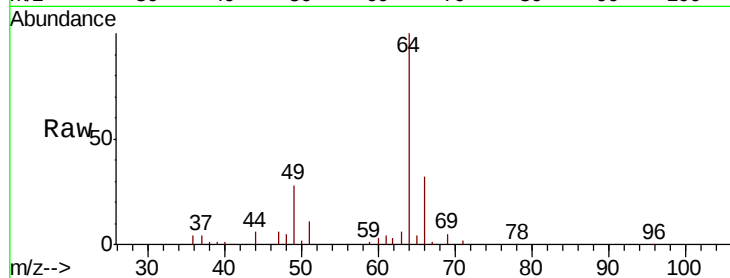
VSTD00530

Tot Ion: 64 Resp: 35873

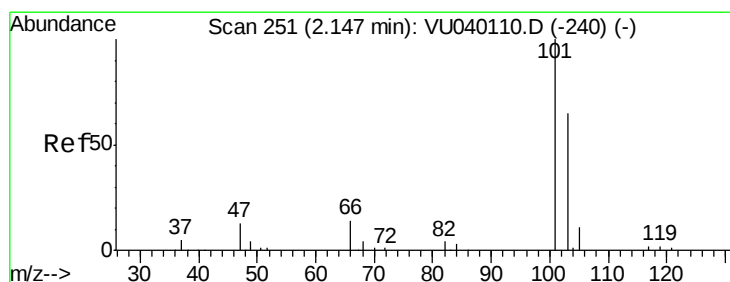
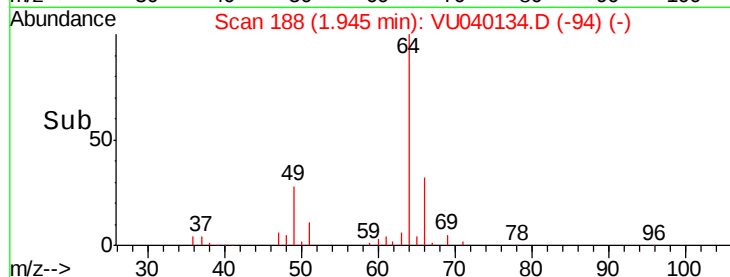
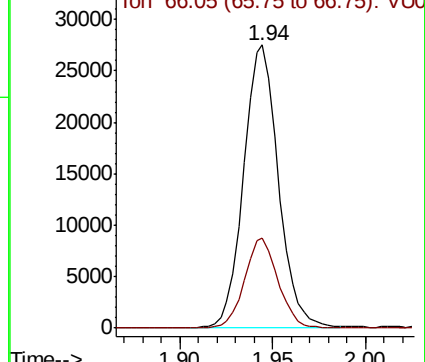
Ion Ratio Lower Upper

64 100

66 31.8 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU040110.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 5.174 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040134.D

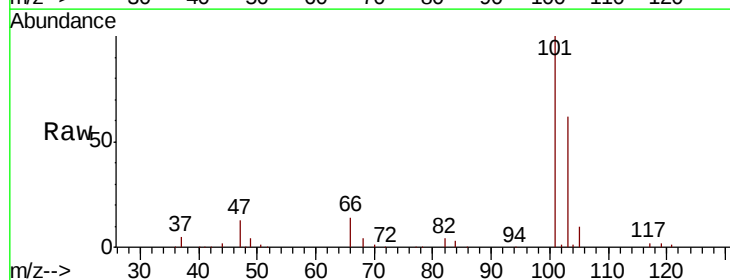
Acq: 15 Sep 2020 11:47

Tgt Ion:101 Resp: 89058

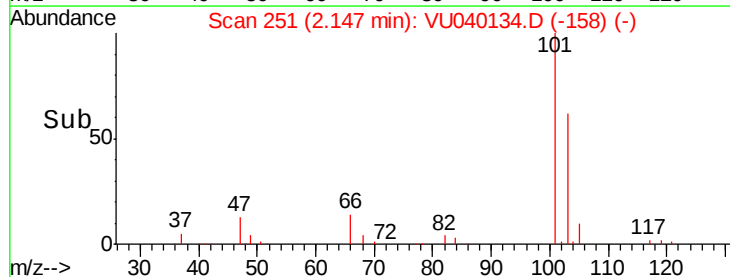
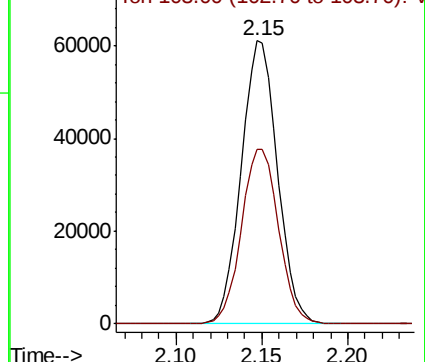
Ion Ratio Lower Upper

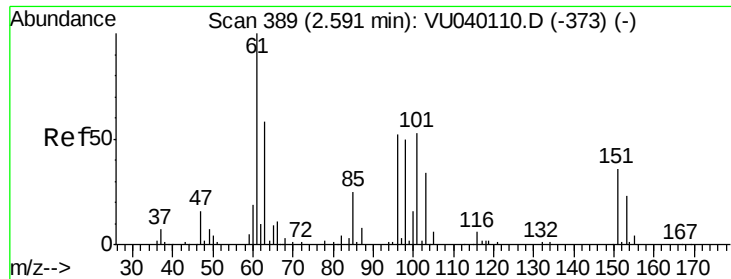
101 100

103 63.4 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU040110.D (-240) (-)





#10

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

Concen: 5.242 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

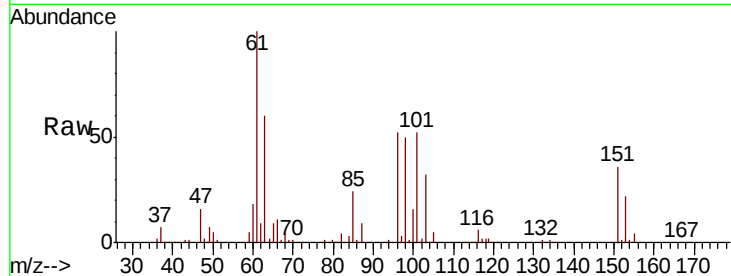
Tot Ion:101 Resp: 58491

Ion Ratio Lower Upper

101 100

85 46.2 37.7 56.5

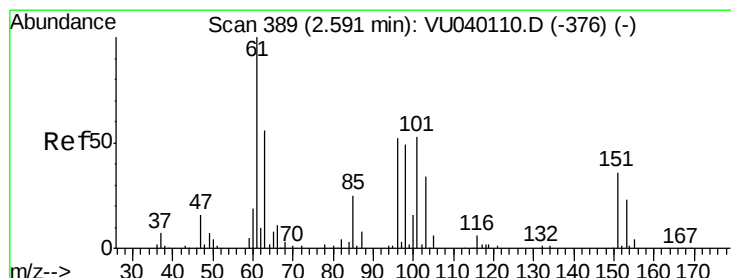
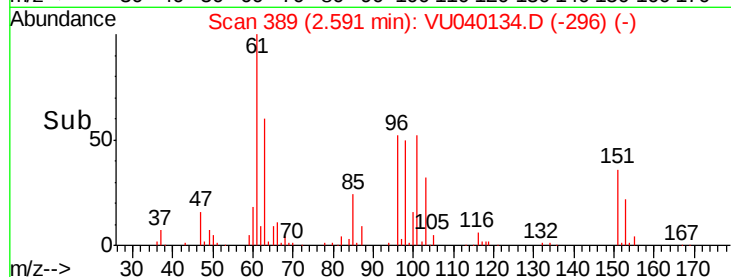
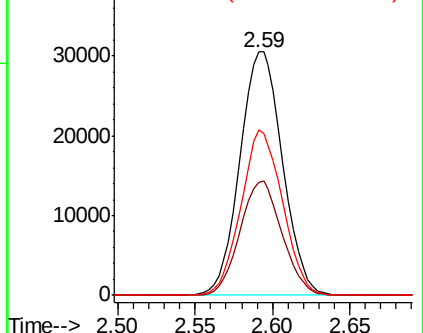
151 66.1 53.9 80.9



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: 5.271 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

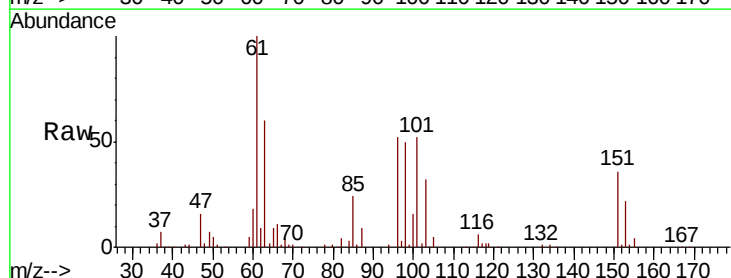
Tgt Ion: 96 Resp: 50890

Ion Ratio Lower Upper

96 100

61 193.1 138.3 256.8

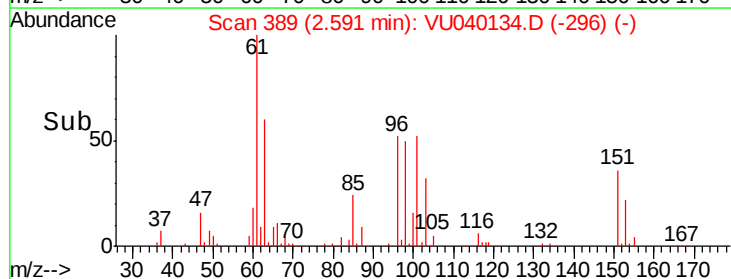
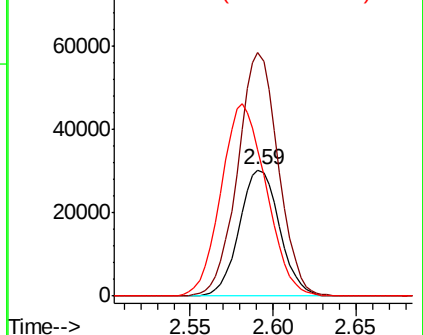
63 116.4 77.6 144.2

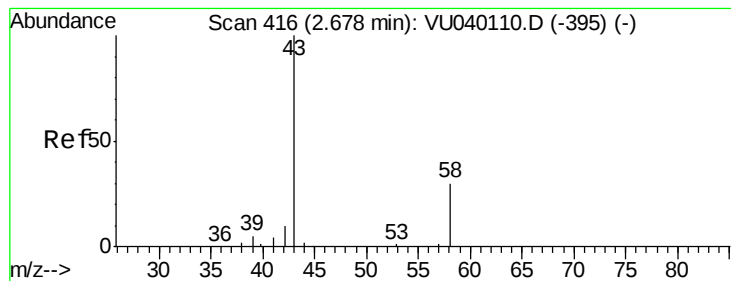


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.054 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

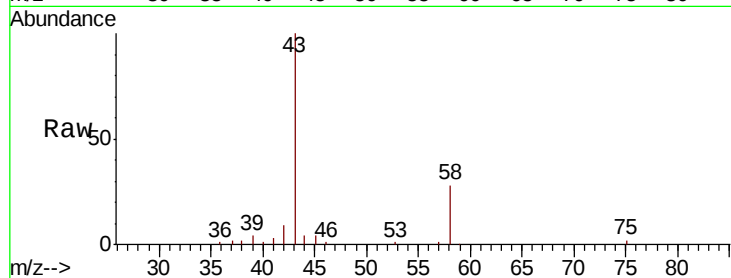
VSTD00530

Tot Ion: 43 Resp: 128756

Ion Ratio Lower Upper

43 100

58 30.3 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040110.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU040110.D (-395) (-)

25000

20000

15000

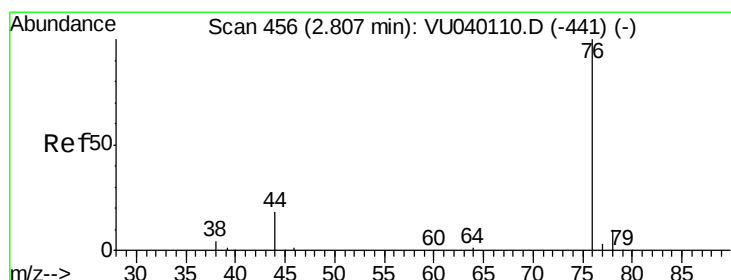
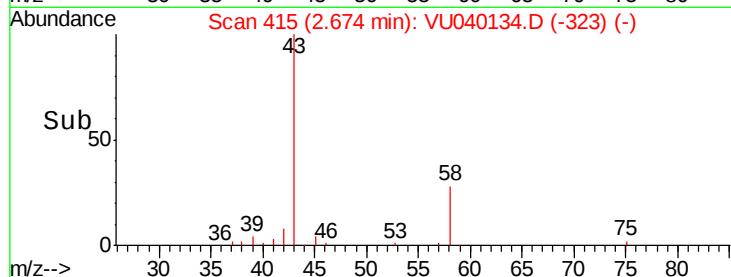
10000

5000

0

2.60 2.70 2.80 2.90

Time-->



#14

Carbon disulfide

Concen: 4.723 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040134.D

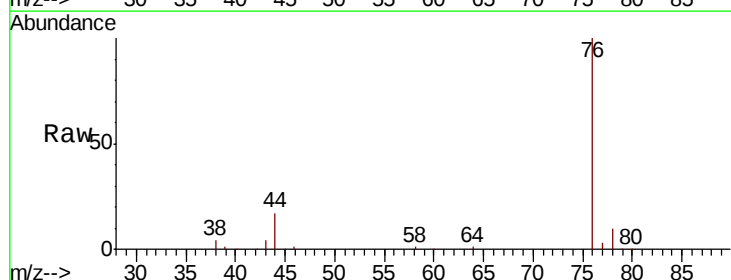
Acq: 15 Sep 2020 11:47

Tgt Ion: 76 Resp: 146207

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040110.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU040110.D (-441) (-)

100000

80000

60000

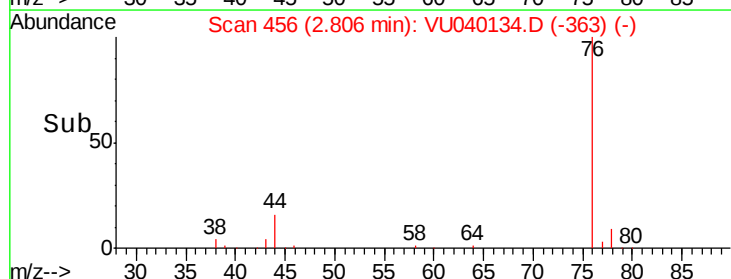
40000

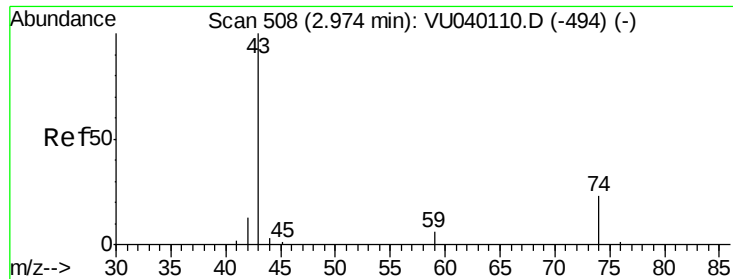
20000

0

2.75 2.80 2.85 2.90

Time-->





#15

Methvl Acetate

Concen: 4.040 ug/L

RT: 2.97 min Scan# 508

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampled :

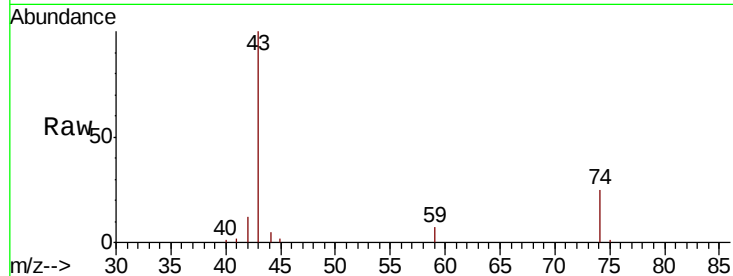
VSTD00530

Tot Ion: 43 Resp: 25571

Ion Ratio Lower Upper

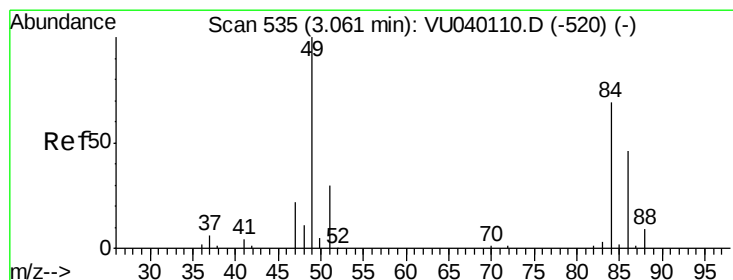
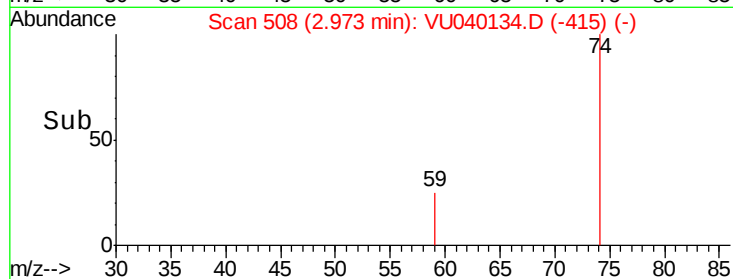
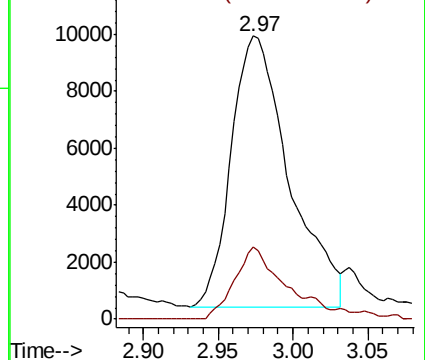
43 100

74 24.3 17.4 26.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.878 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

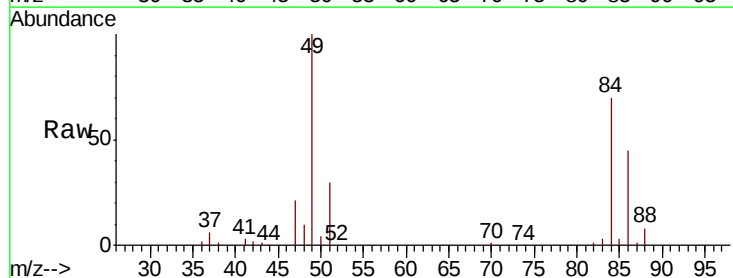
Tgt Ion: 84 Resp: 61668

Ion Ratio Lower Upper

84 100

86 65.2 45.2 84.0

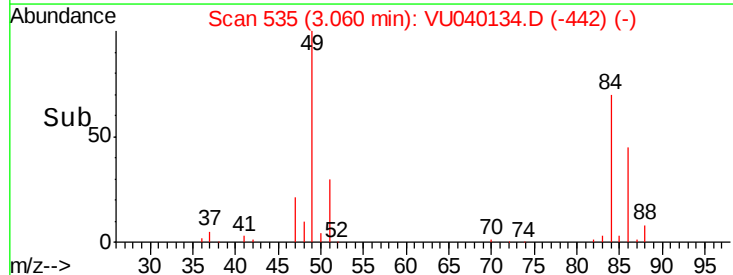
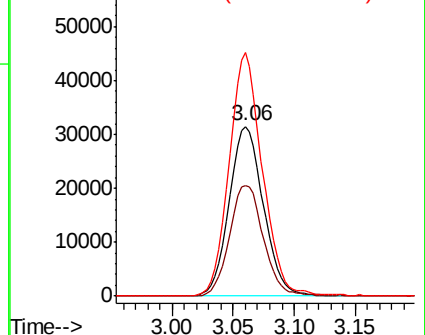
49 143.5 104.0 193.2

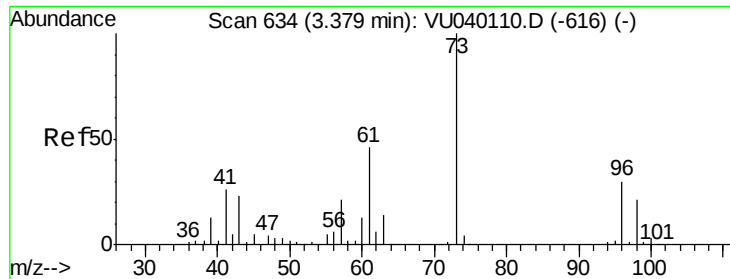


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

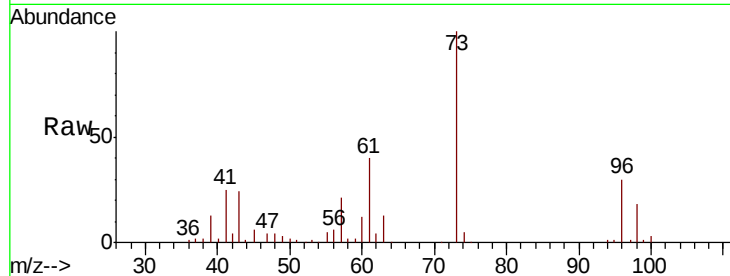




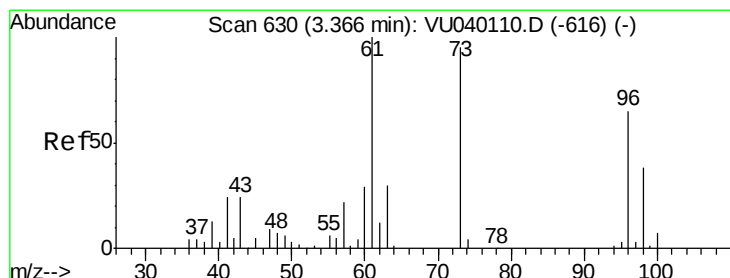
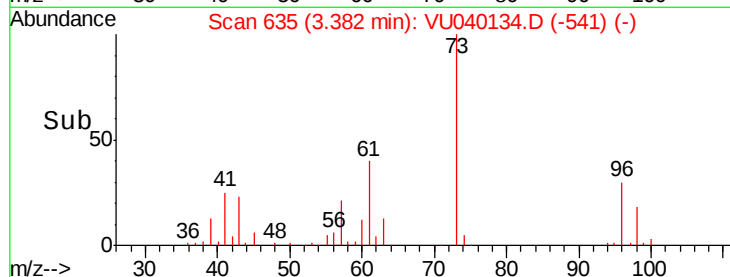
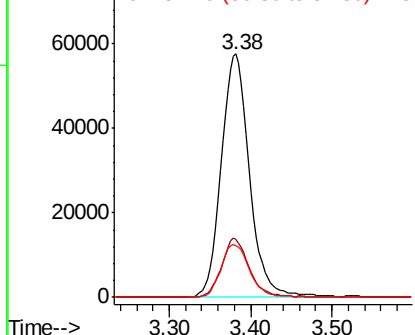
#17
Methvl tert-butvl Ether
Concen: 4.844 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040134.D
Acq: 15 Sep 2020 11:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion: 73 Resp: 140934
Ion Ratio Lower Upper
73 100
43 23.5 19.1 28.7
57 22.1 18.3 27.5

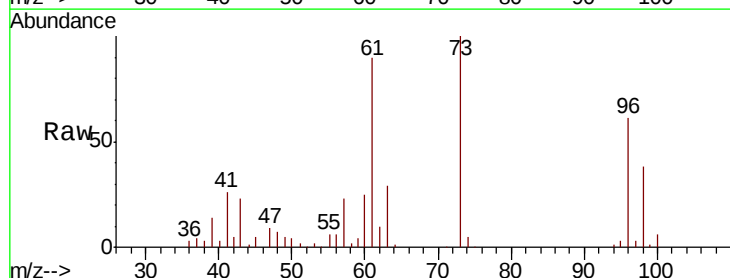


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

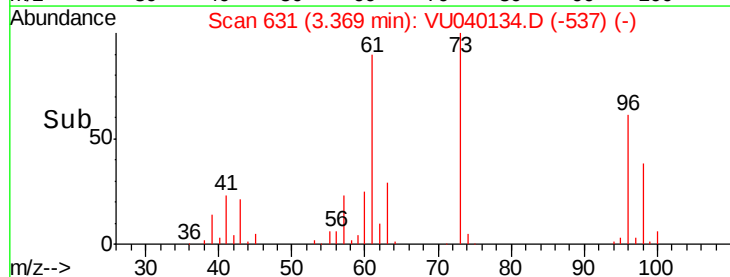
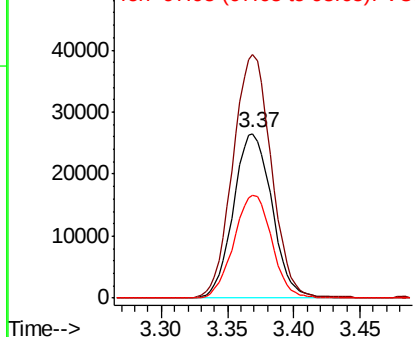


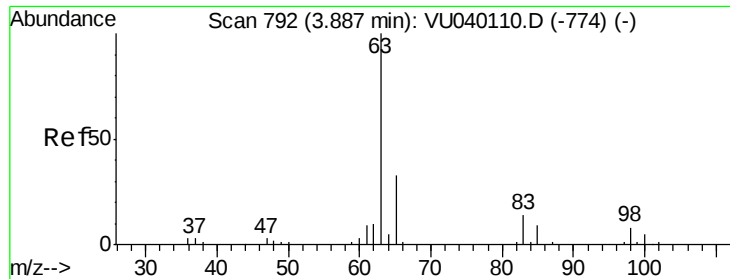
#18
trans-1,2-Dichloroethene
Concen: 5.164 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040134.D
Acq: 15 Sep 2020 11:47

Tgt Ion: 96 Resp: 53631
Ion Ratio Lower Upper
96 100
61 147.7 110.5 205.3
98 62.6 43.2 80.2



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: 4.844 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

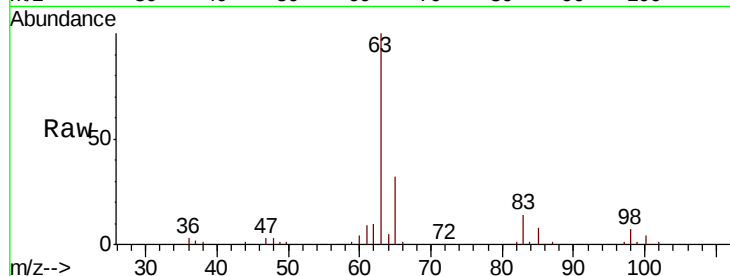
Tot Ion: 63 Resp: 103542

Ion Ratio Lower Upper

63 100

65 31.9 22.2 41.2

83 13.9 9.4 17.6

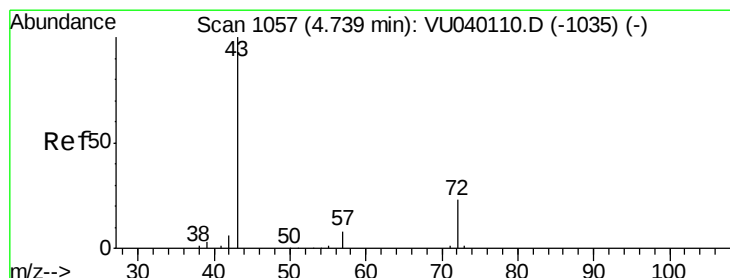
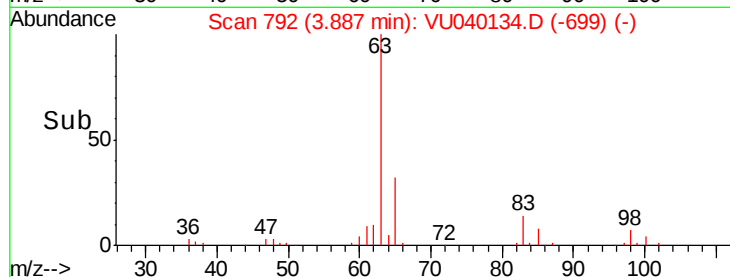
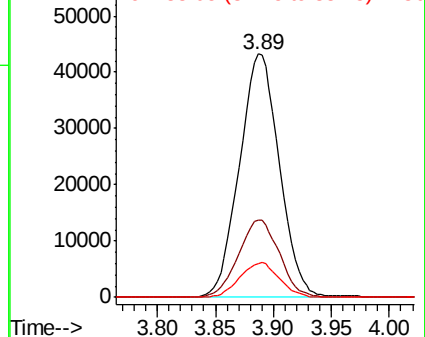


Abundance

Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 50.783 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU040134.D

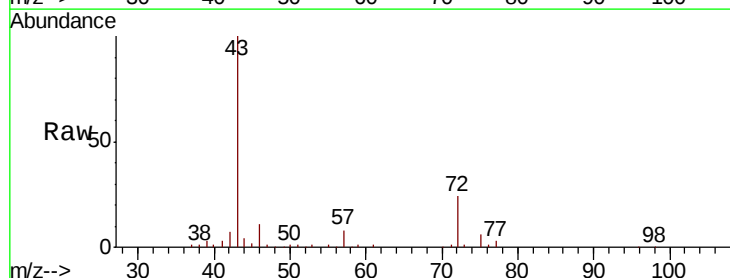
Acq: 15 Sep 2020 11:47

Tgt Ion: 43 Resp: 209092

Ion Ratio Lower Upper

43 100

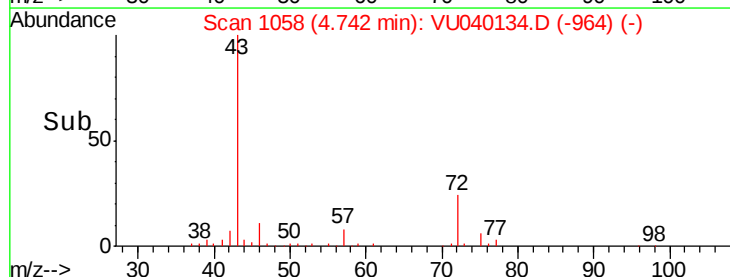
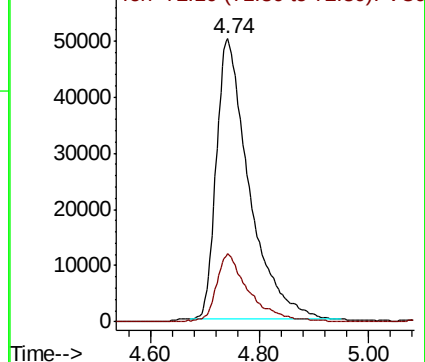
72 23.8 11.7 35.0

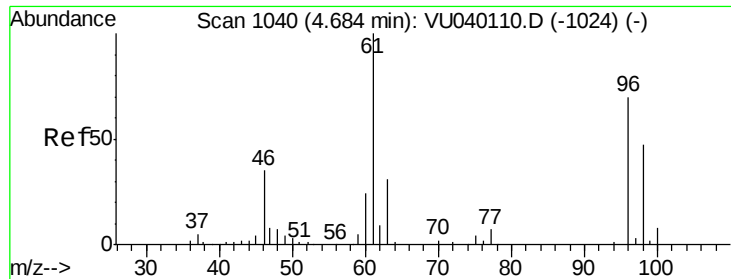


Abundance

Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0

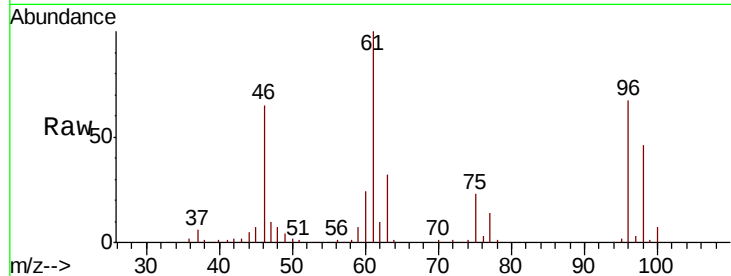




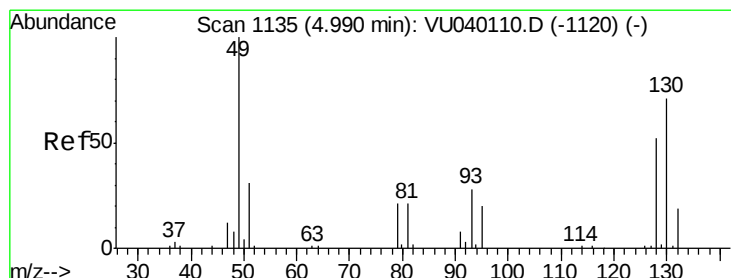
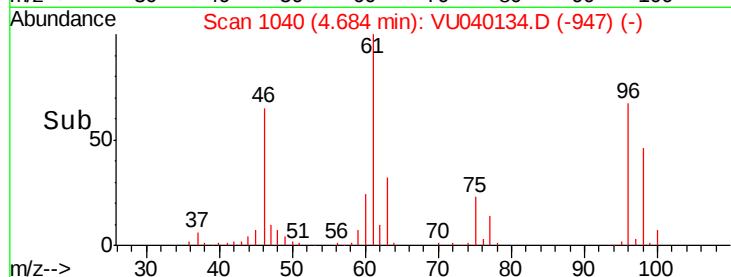
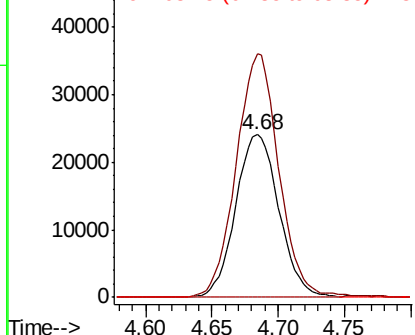
#22
 cis-1,2-Dichloroethene
 Concen: 4.901 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion: 96 Resp: 54728
 Ion Ratio Lower Upper
 96 100
 61 149.6 98.8 183.4
 68 0.0 0.0 0.0

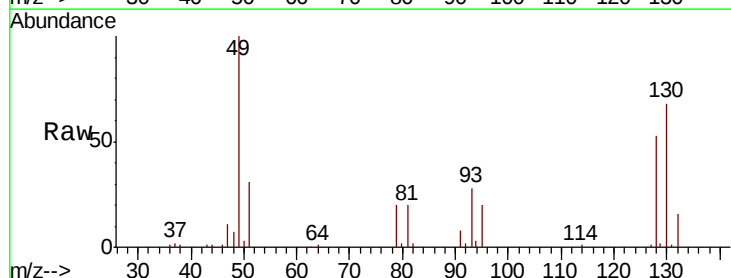


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

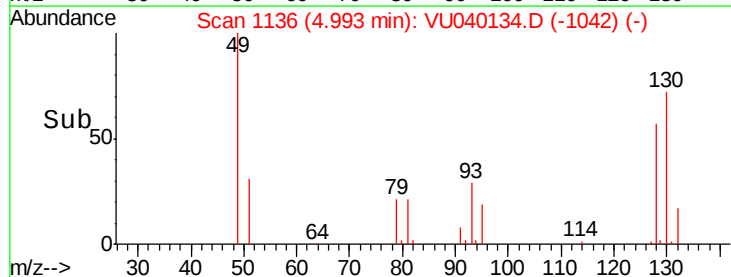
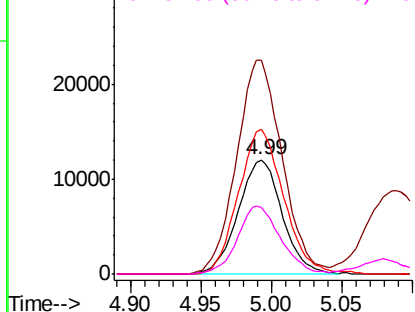


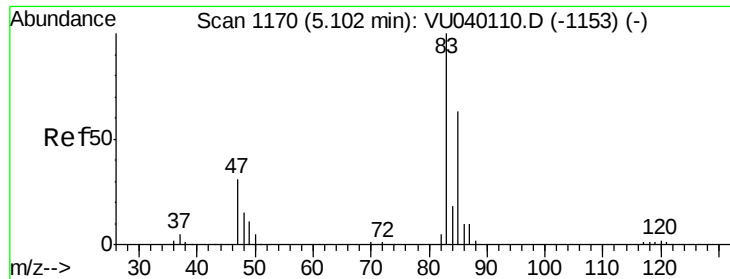
#23
 Bromochloromethane
 Concen: 5.358 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

Tgt Ion:128 Resp: 26213
 Ion Ratio Lower Upper
 128 100
 49 187.2 143.4 266.4
 130 126.4 89.5 166.3
 51 58.2 51.0 76.4



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

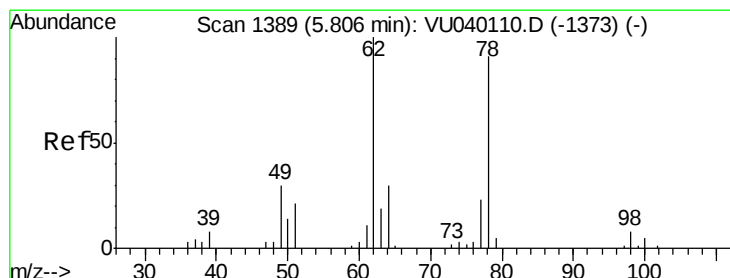
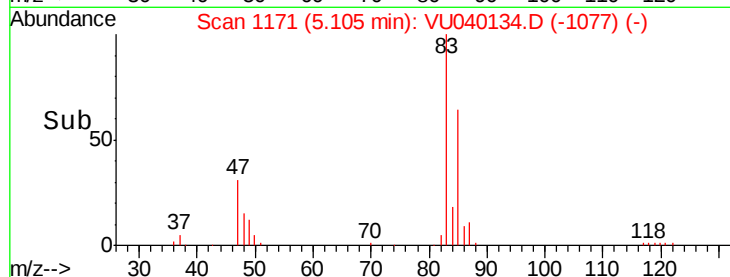
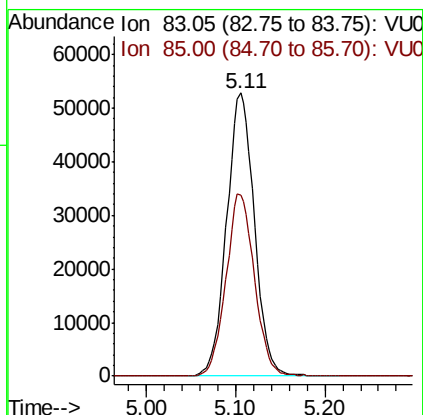
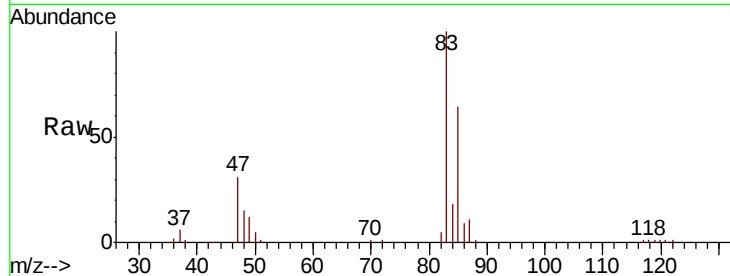




#25
Chloroform
Concen: 5.190 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040134.D
Acq: 15 Sep 2020 11:47

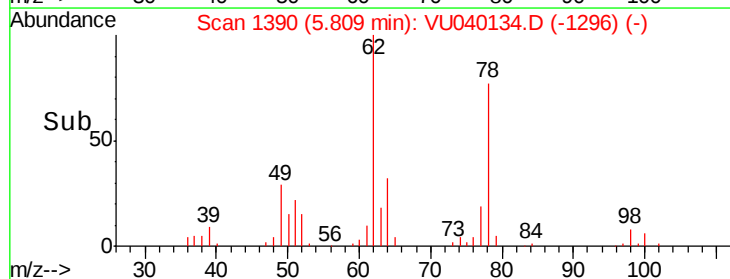
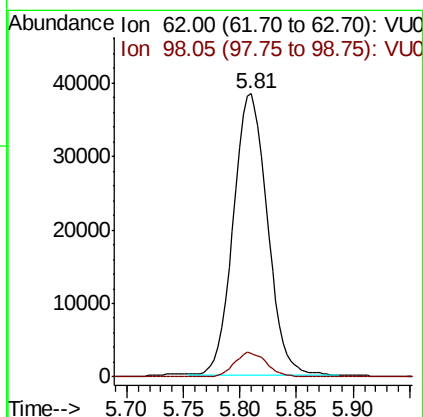
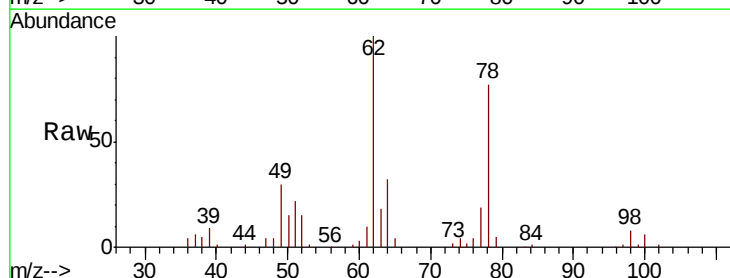
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

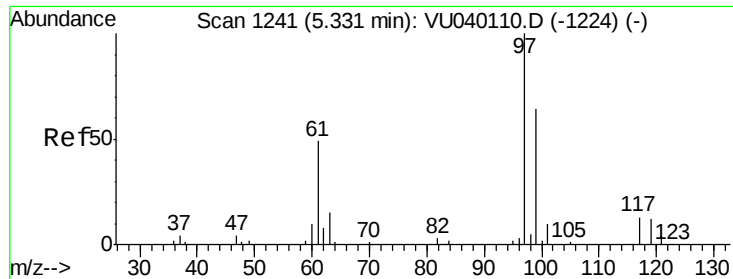
Tot Ion: 83 Resp: 113611
Ion Ratio Lower Upper
83 100
85 64.1 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.033 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040134.D
Acq: 15 Sep 2020 11:47

Tgt Ion: 62 Resp: 80718
Ion Ratio Lower Upper
62 100
98 8.5 6.1 9.1

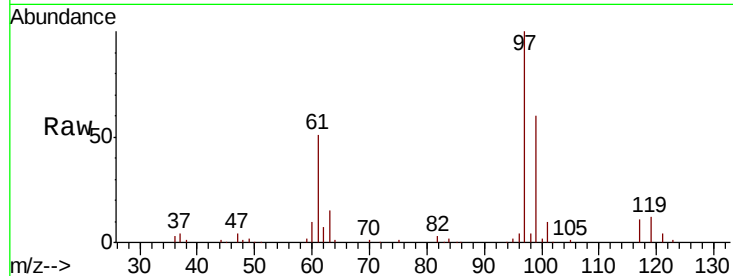




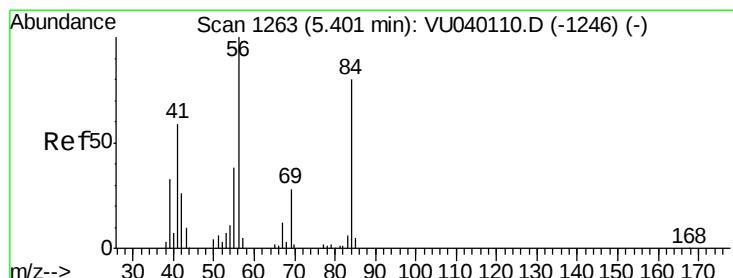
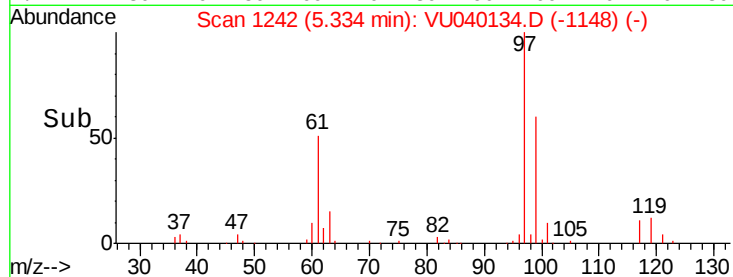
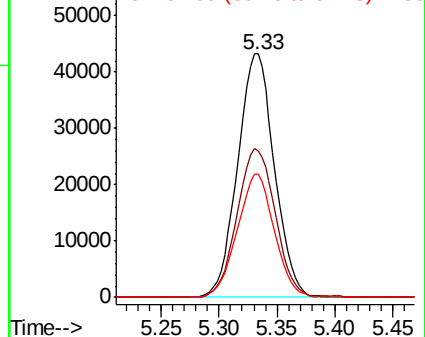
#29
 1,1,1-Trichloroethane
 Concen: 4.979 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion: 97 Resp: 95264
 Ion Ratio Lower Upper
 97 100
 99 63.4 50.9 76.3
 61 50.9 39.5 59.3

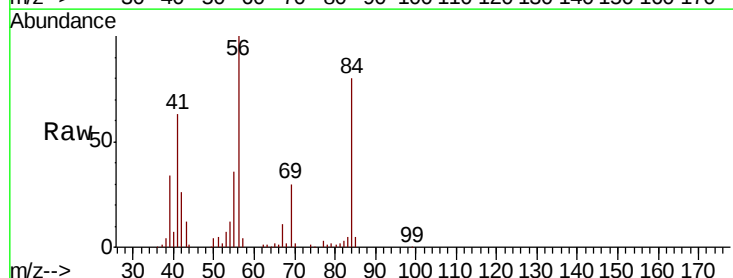


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

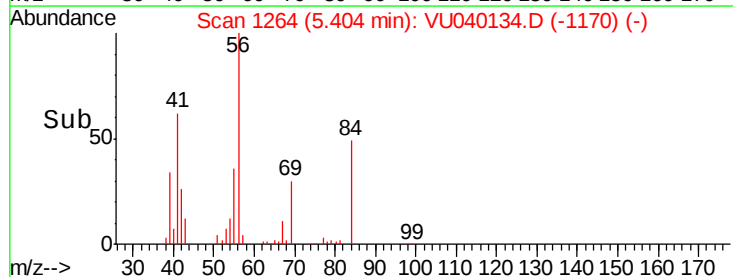
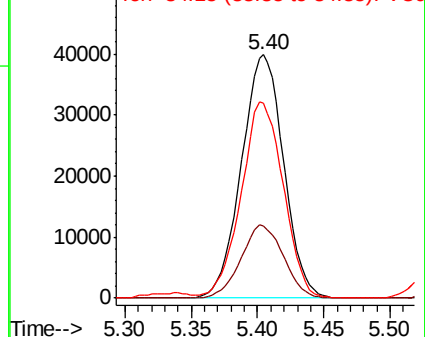


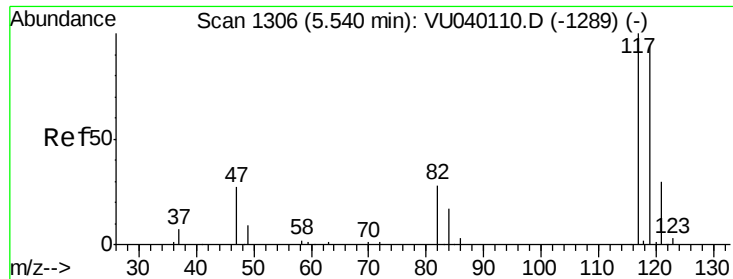
#30
 Cyclohexane
 Concen: 4.760 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

Tgt Ion: 56 Resp: 88319
 Ion Ratio Lower Upper
 56 100
 69 30.2 24.1 36.1
 84 80.9 65.0 97.4



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: 5.053 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

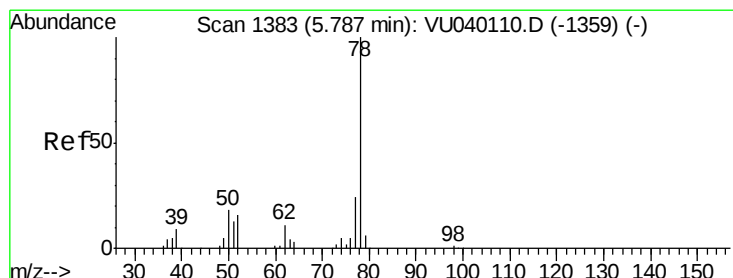
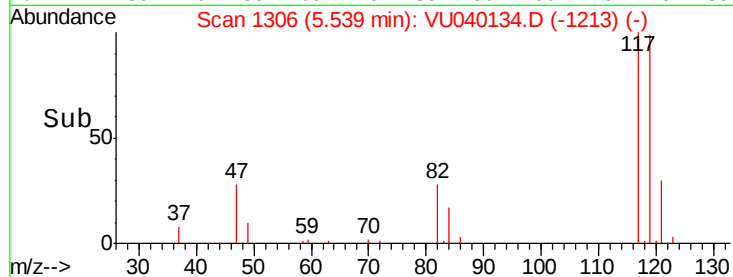
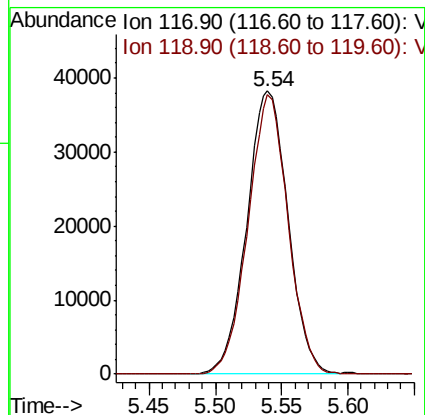
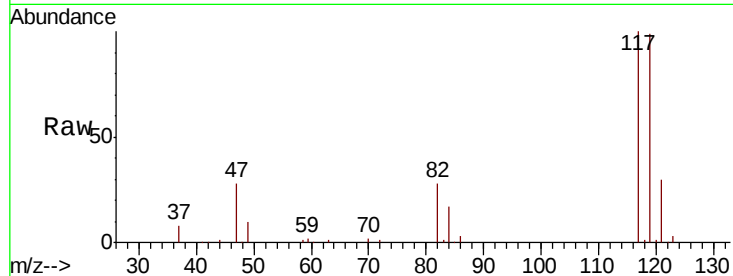
VSTD00530

Tot Ion:117 Resp: 82733

Ion Ratio Lower Upper

117 100

119 95.7 77.7 116.5



#33

Benzene

Concen: 5.132 ug/L

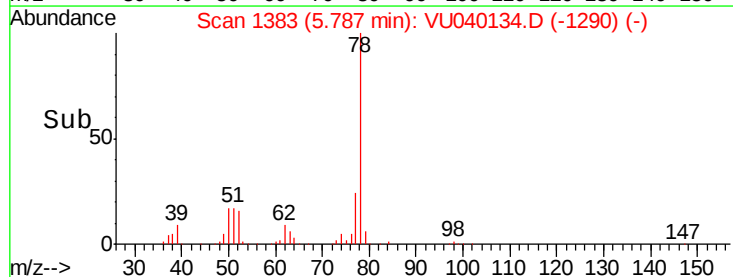
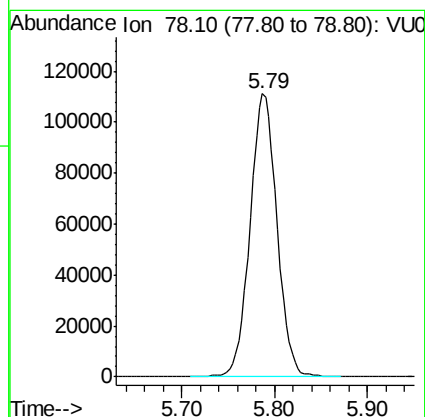
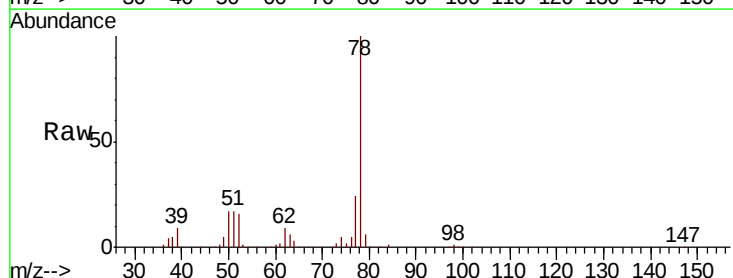
RT: 5.79 min Scan# 1383

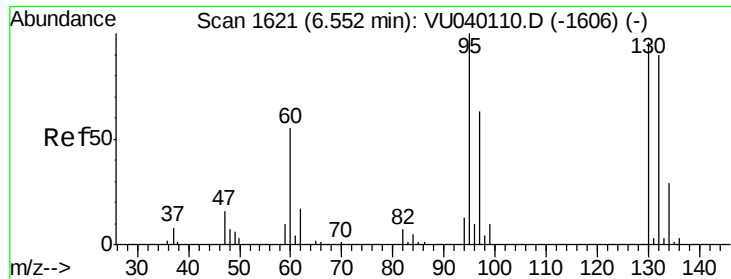
Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

Tgt Ion: 78 Resp: 223707

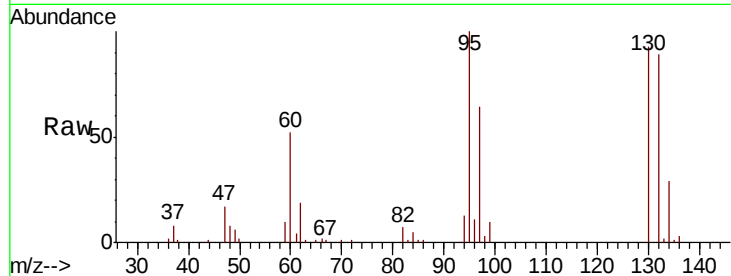




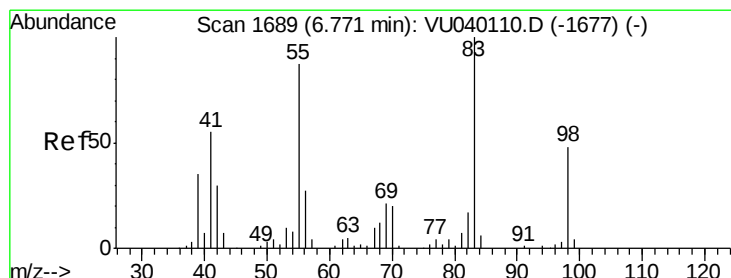
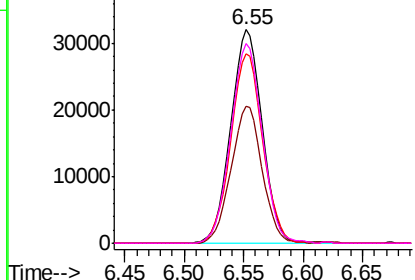
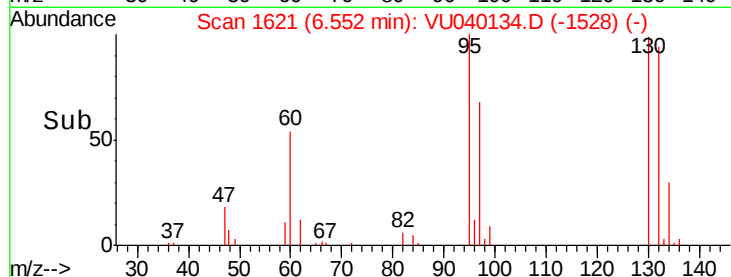
#34
 Trichloroethene
 Concen: 5.026 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion: 95 Resp: 58766
 Ion Ratio Lower Upper
 95 100
 97 63.8 43.3 80.5
 132 88.6 59.4 110.4
 130 93.3 64.8 120.4

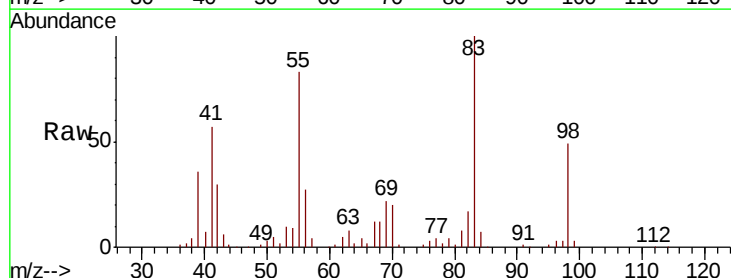


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

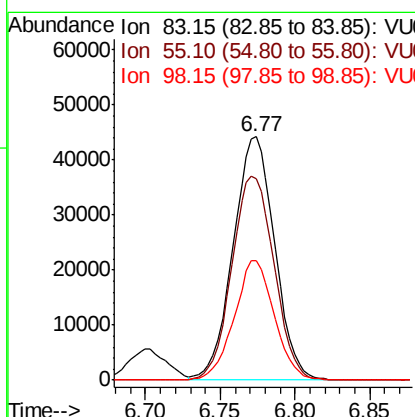
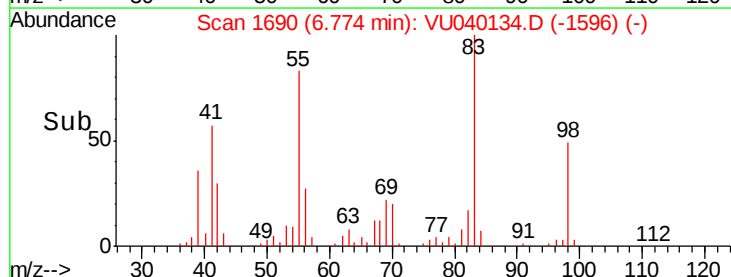


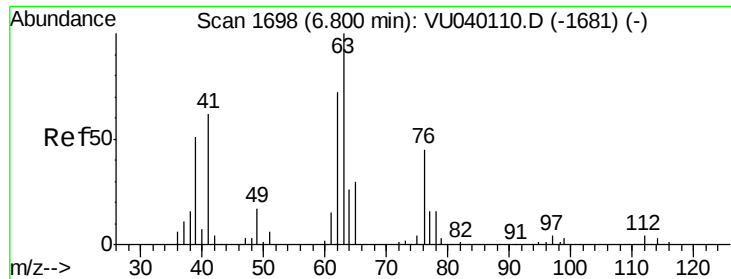
#35
 Methylcyclohexane
 Concen: 4.775 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

Tgt Ion: 83 Resp: 85496
 Ion Ratio Lower Upper
 83 100
 55 85.1 70.5 105.7
 98 47.6 37.8 56.6



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

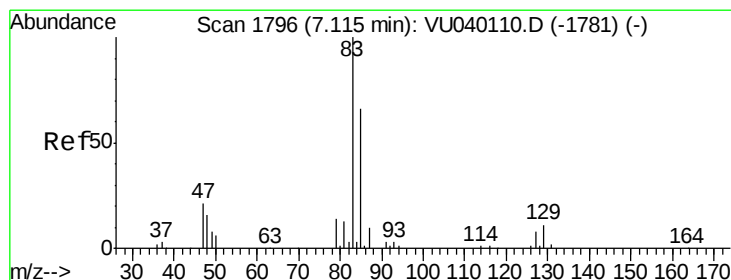
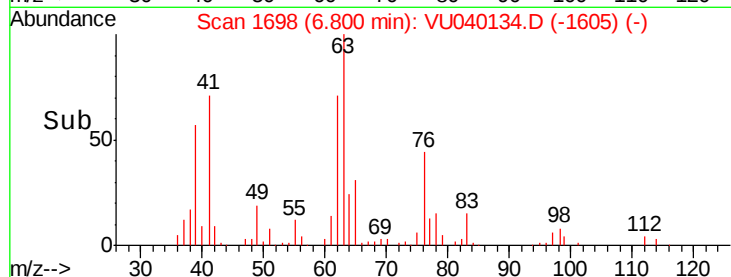
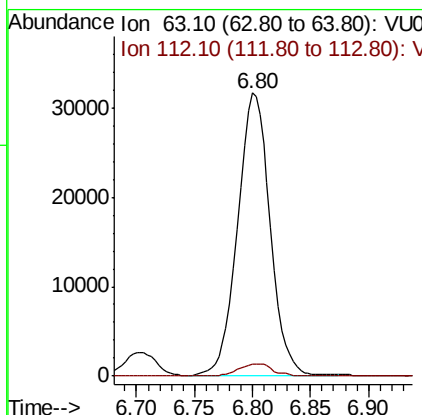
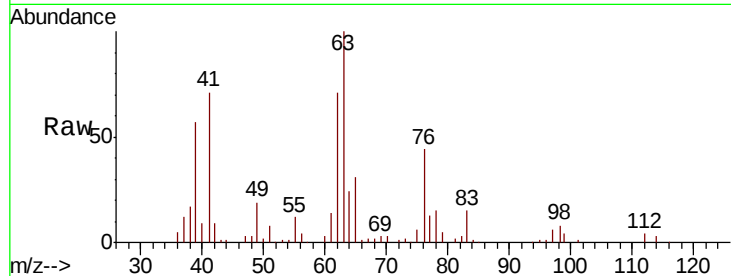




#37
 1,2-Dichloropropane
 Concen: 5.184 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

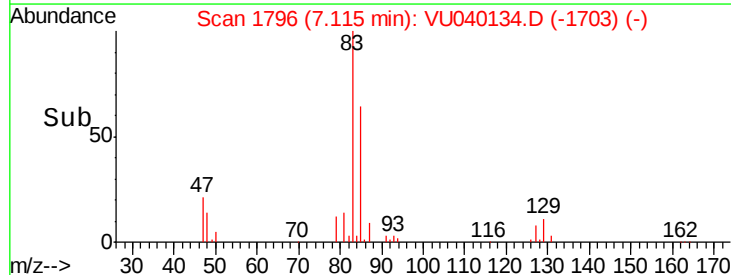
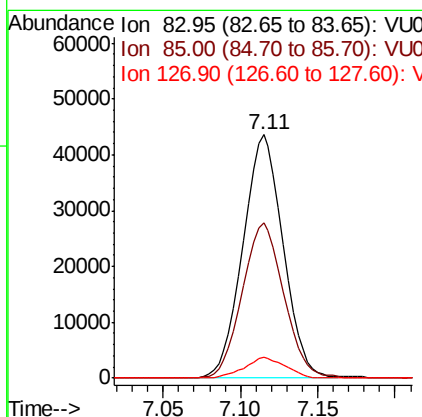
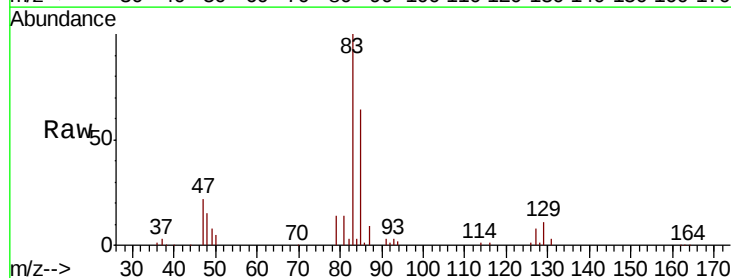
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

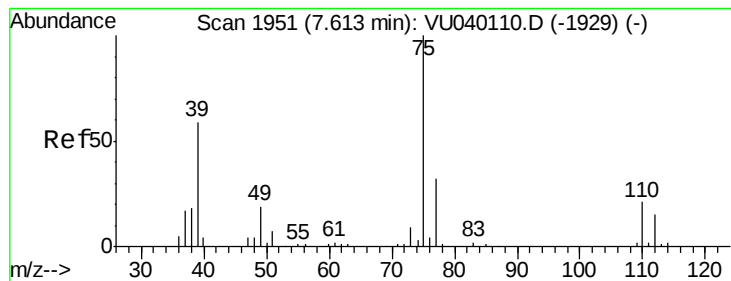
Tot Ion: 63 Resp: 61194
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.2 4.8



#38
 Bromodichloromethane
 Concen: 4.894 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

Tgt Ion: 83 Resp: 78862
 Ion Ratio Lower Upper
 83 100
 85 63.6 45.1 83.9
 127 8.3 6.7 10.1



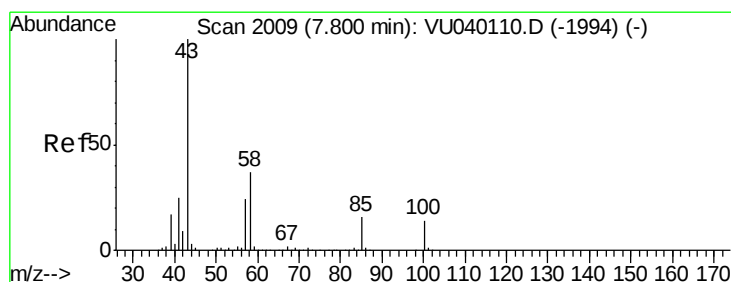
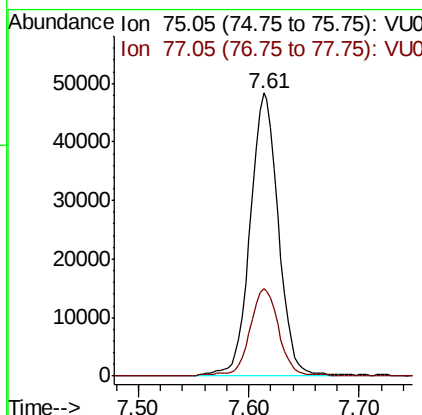
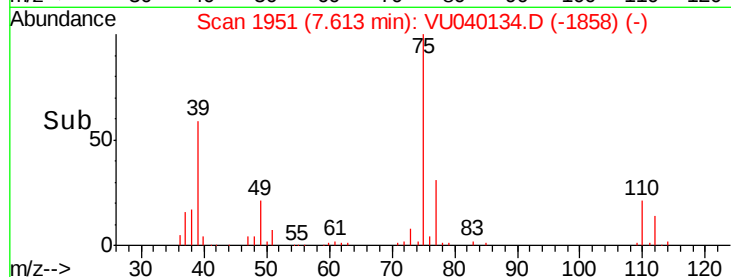
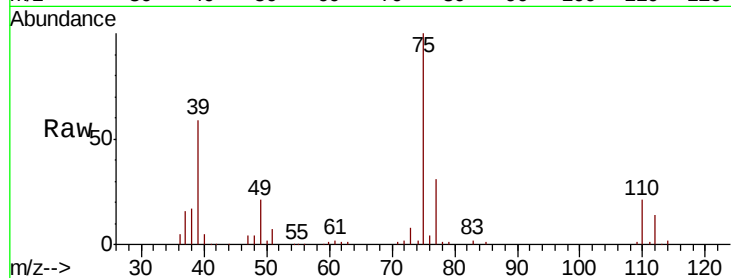


#39

cis-1,3-Dichloropropene
 Concen: 4.924 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

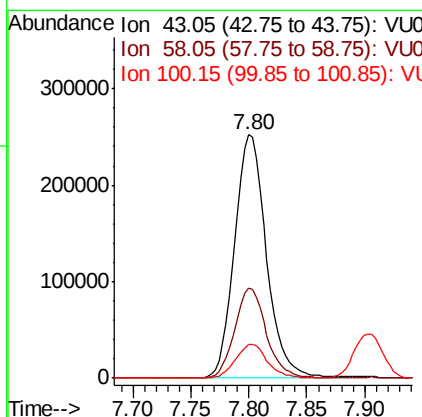
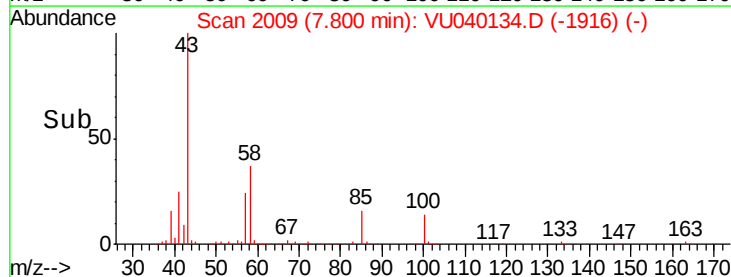
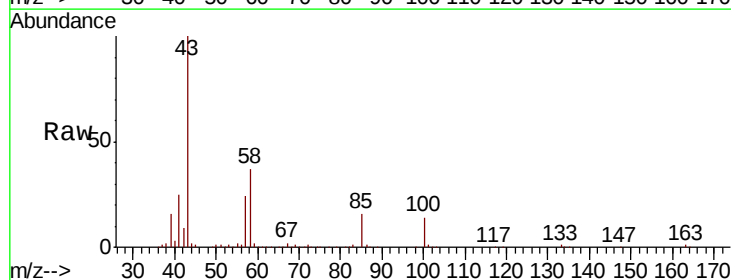
Tot Ion: 75 Resp: 85710
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.1 39.3

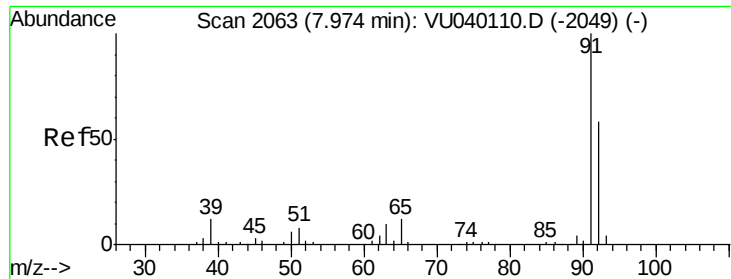


#40

4-Methyl-2-pentanone
 Concen: 49.458 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

Tgt Ion: 43 Resp: 478997
 Ion Ratio Lower Upper
 43 100
 58 36.8 28.7 43.1
 100 14.0 10.2 15.2





#42

Toluene

Concen: 5.214 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

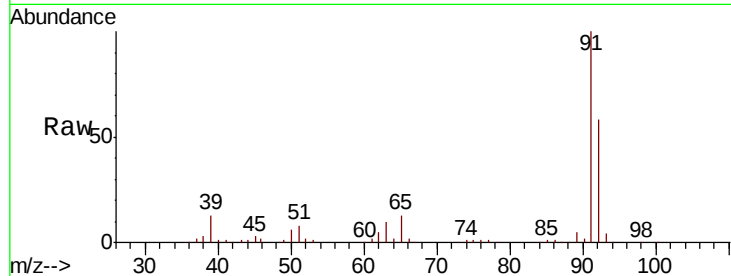
VSTD00530

Tot Ion: 91 Resp: 234055

Ion Ratio Lower Upper

91 100

92 57.5 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.97

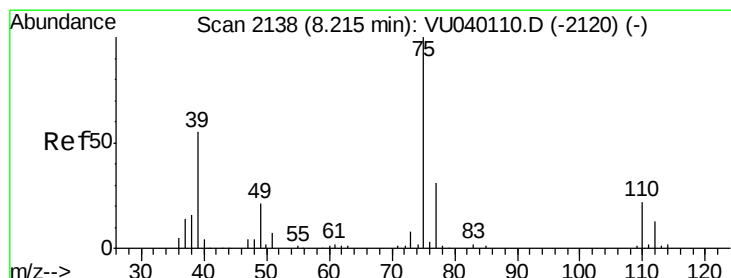
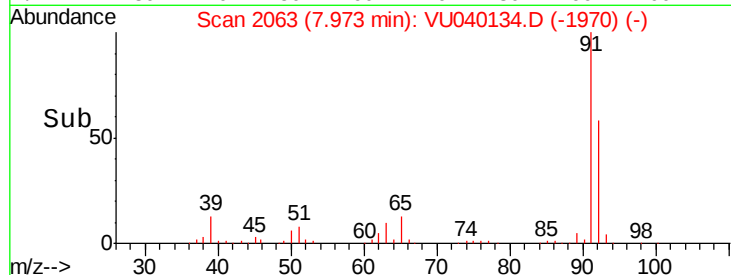
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.929 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040134.D

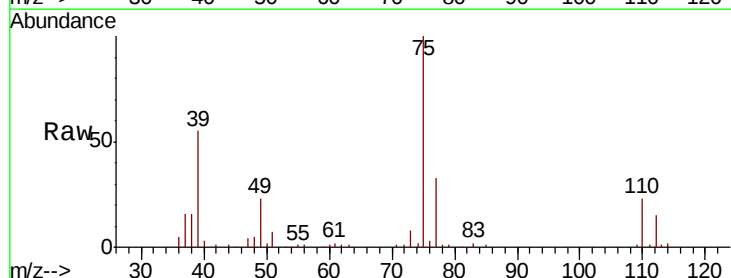
Acq: 15 Sep 2020 11:47

Tgt Ion: 75 Resp: 79502

Ion Ratio Lower Upper

75 100

77 32.5 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

50000

40000

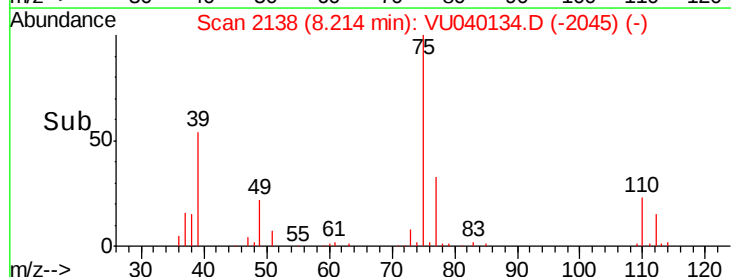
30000

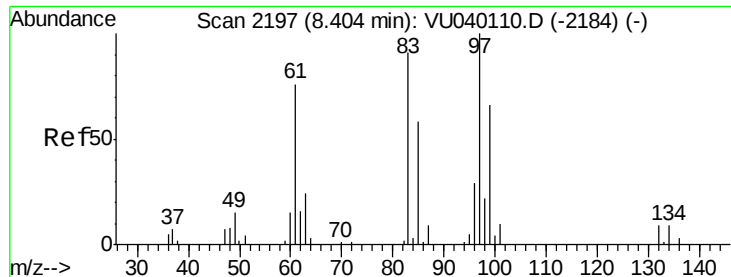
20000

10000

0

Time-->

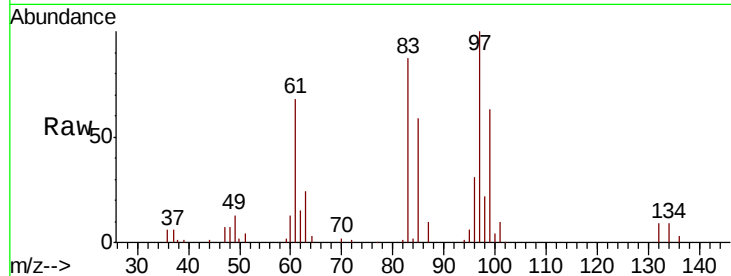




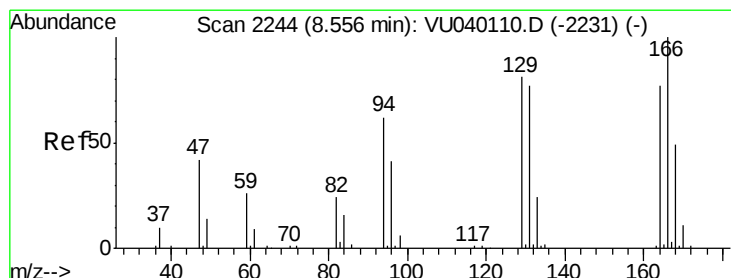
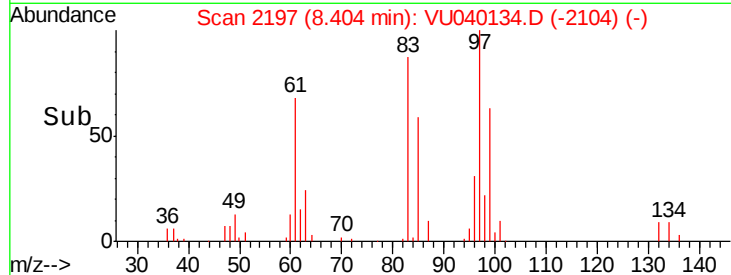
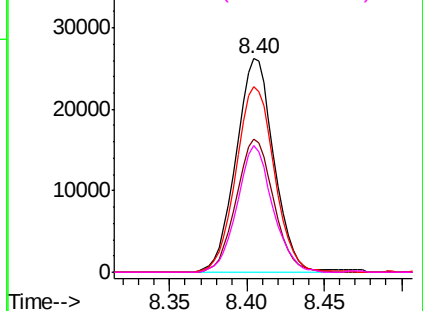
#45
 1,1,2-Trichloroethane
 Concen: 5.195 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion:	97	Resp:	44673
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.0	79.8
83	86.7	61.7	114.7
85	59.3	39.3	73.1

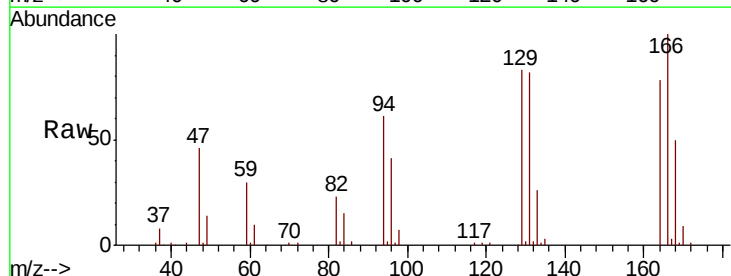


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

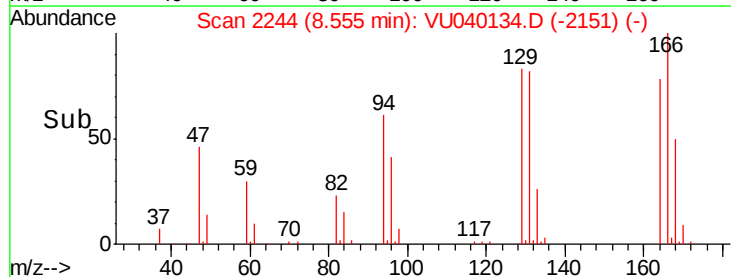
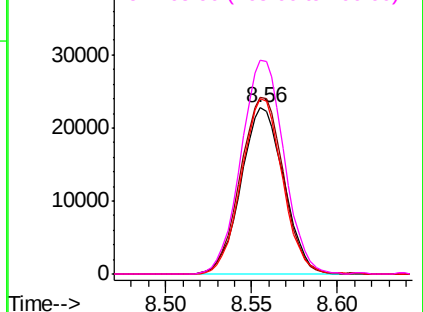


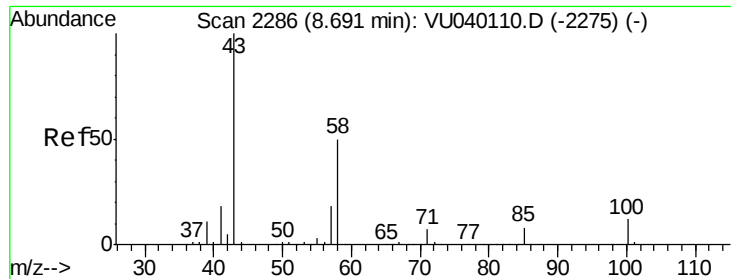
#47
 Tetrachloroethene
 Concen: 5.119 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

Tgt Ion:	164	Resp:	39319
Ion	Ratio	Lower	Upper
164	100		
129	106.6	71.5	132.7
131	105.9	65.9	122.5
166	128.5	87.3	162.1



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

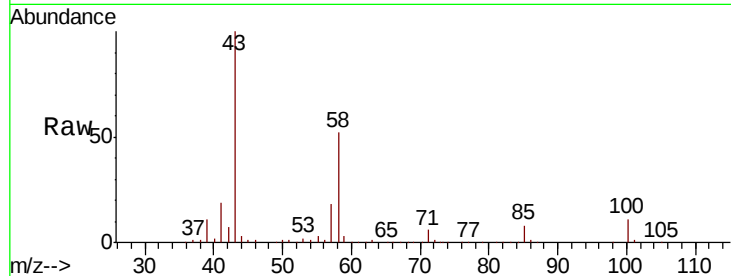




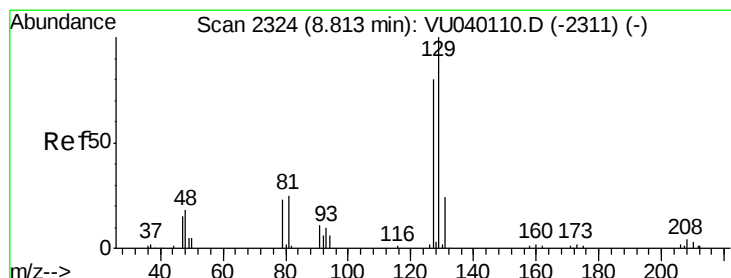
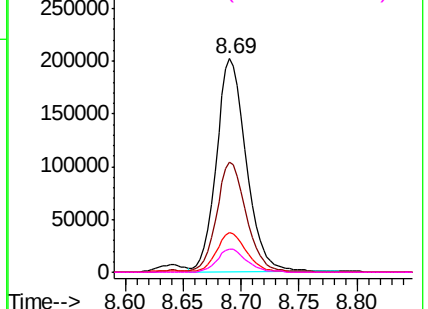
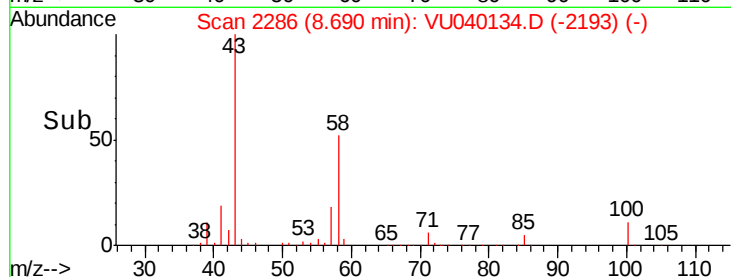
#48
2-Hexanone
Concen: 50.995 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040134.D
Acq: 15 Sep 2020 11:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion:	43	Resp:	360254
Ion	Ratio	Lower	Upper
43	100		
58	51.2	39.6	59.4
57	18.3	14.3	21.5
100	10.8	8.0	12.0

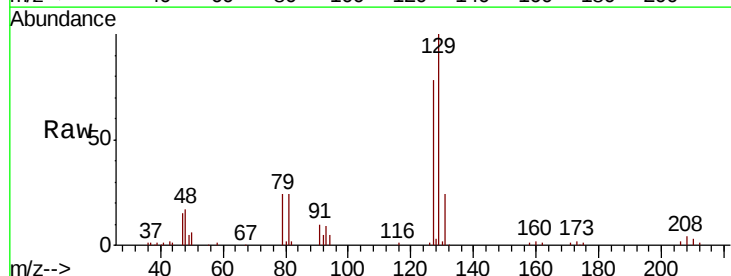


Abundance Ion 43.05 (42.75 to 43.75): VU040110.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU040110.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU040110.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU040110.D (-2275) (-)

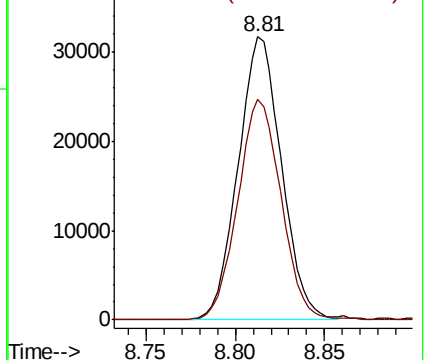
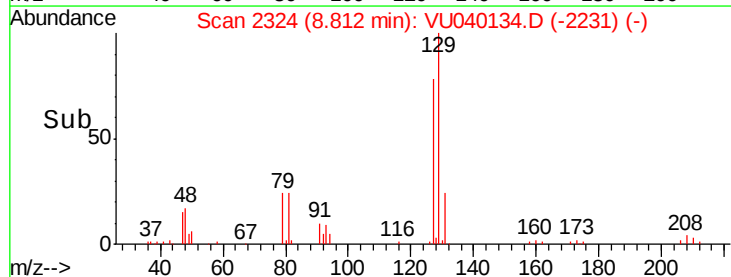


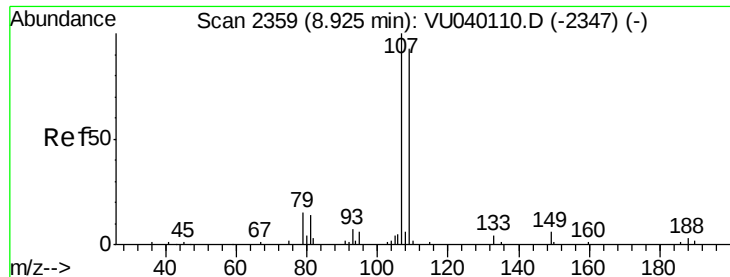
#49
Dibromochloromethane
Concen: 5.220 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040134.D
Acq: 15 Sep 2020 11:47

Tgt Ion:	129	Resp:	53877
Ion	Ratio	Lower	Upper
129	100		
127	77.9	53.7	99.7



Abundance Ion 128.95 (128.65 to 129.65): VU040110.D (-2311) (-)
Ion 126.90 (126.60 to 127.60): VU040110.D (-2311) (-)

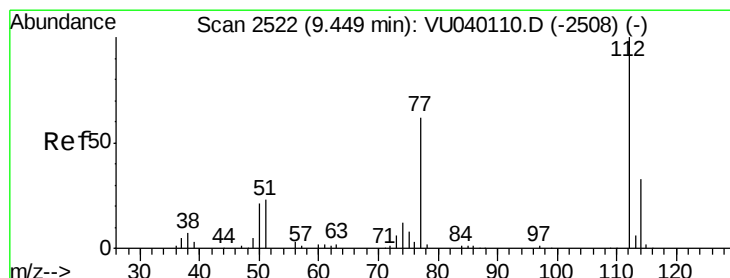
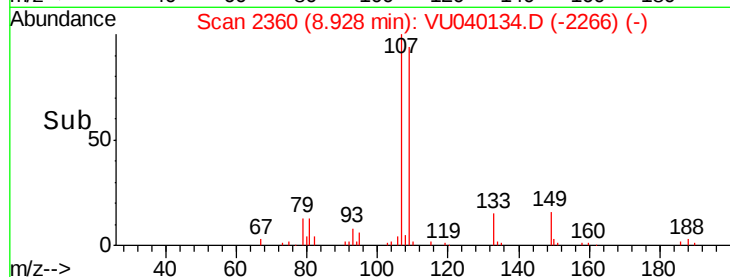
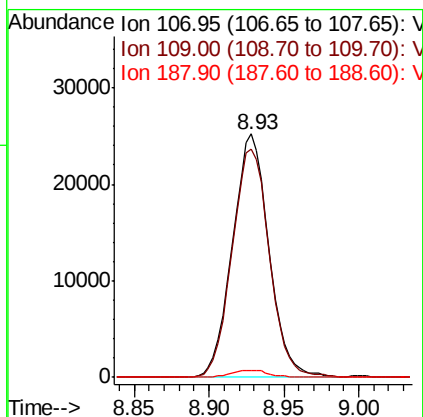
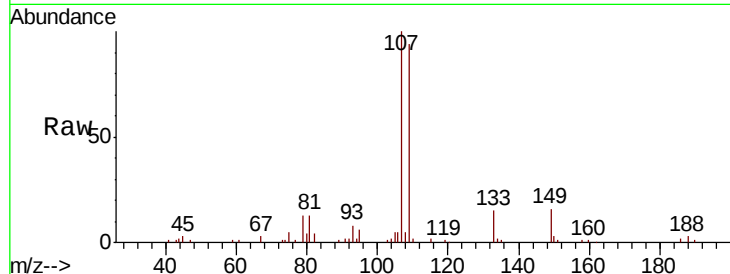




#50
 1,2-Dibromoethane
 Concen: 5.157 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

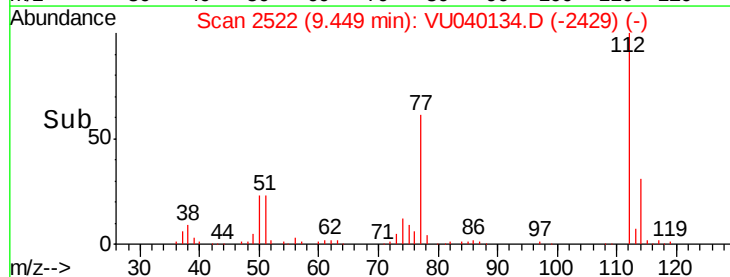
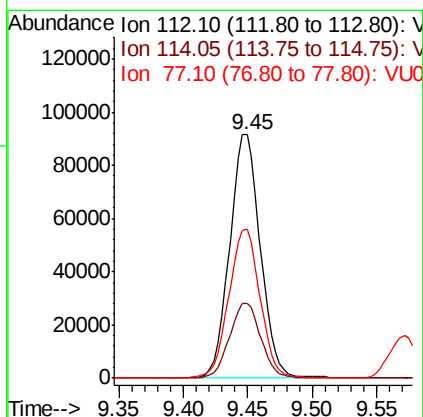
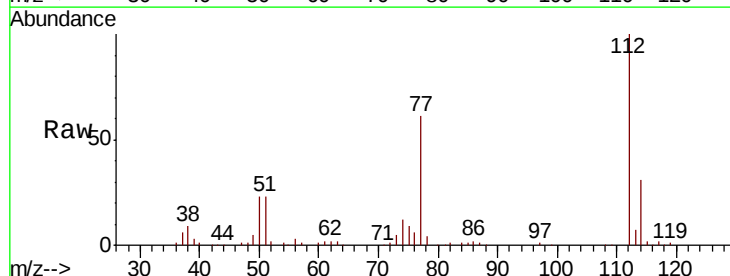
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

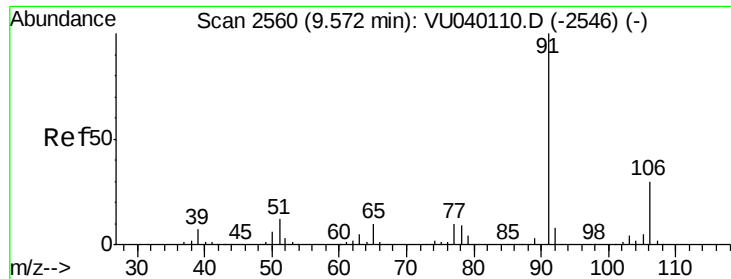
Tot Ion:107 Resp: 42755
 Ion Ratio Lower Upper
 107 100
 109 94.0 62.4 115.8
 188 3.1 2.3 3.5



#51
 Chlorobenzene
 Concen: 5.420 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

Tgt Ion:112 Resp: 151070
 Ion Ratio Lower Upper
 112 100
 114 30.9 22.7 42.3
 77 61.0 53.2 79.8





#52

Ethylbenzene

Concen: 5.106 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

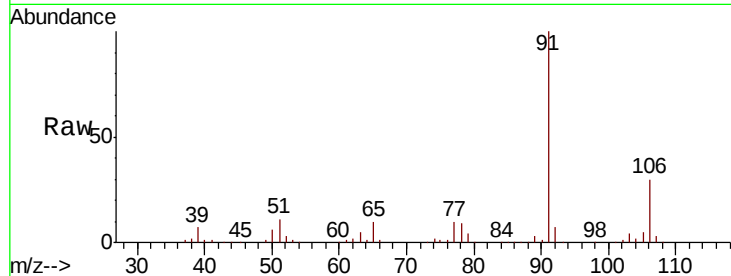
VSTD00530

Tot Ion: 91 Resp: 260433

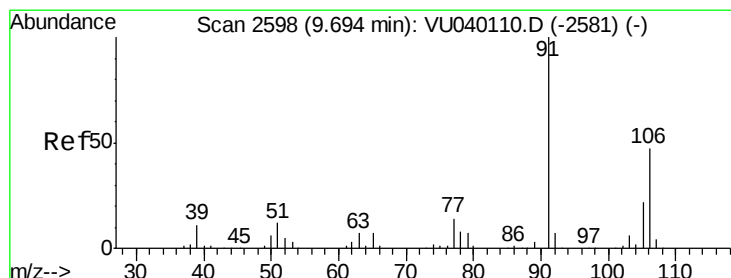
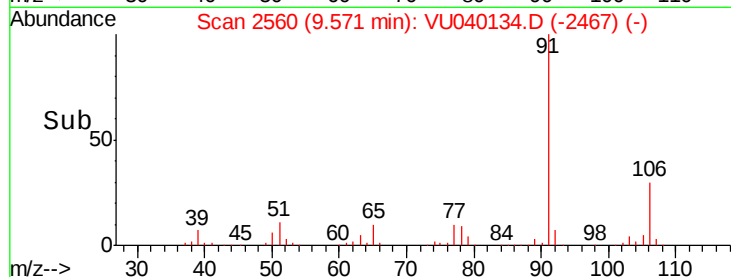
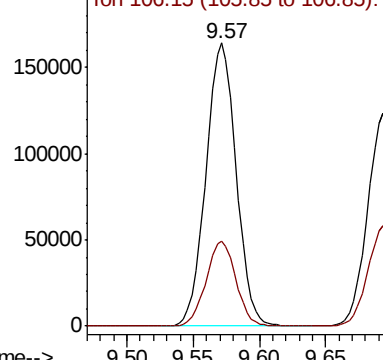
Ion Ratio Lower Upper

91 100

106 30.0 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040110.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.372 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040134.D

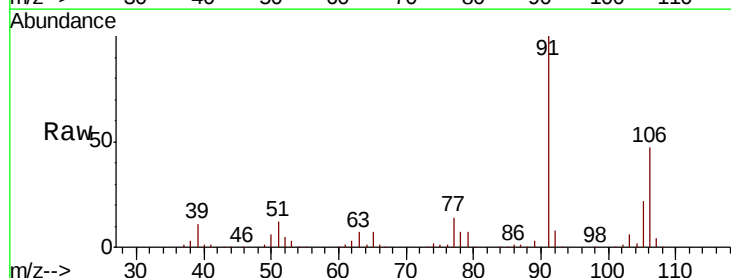
Acq: 15 Sep 2020 11:47

Tgt Ion: 106 Resp: 97556

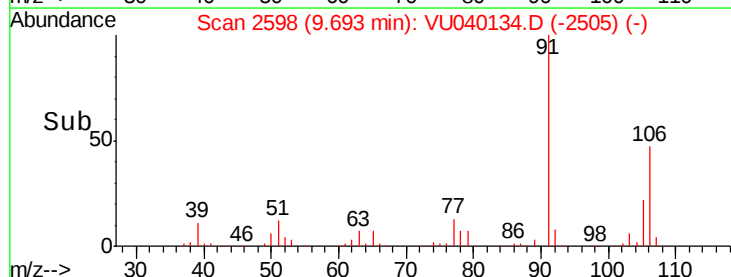
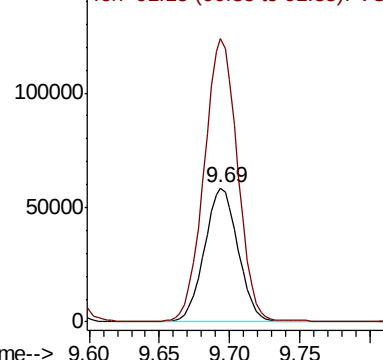
Ion Ratio Lower Upper

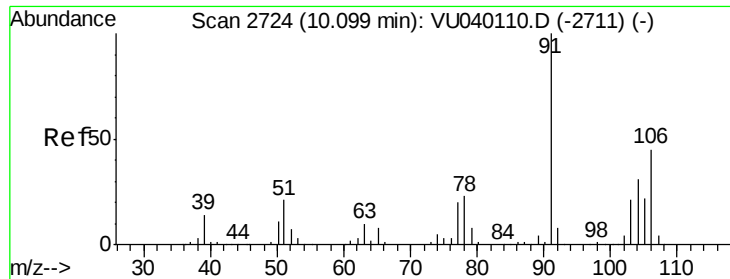
106 100

91 211.8 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040110.D (-2581) (-)

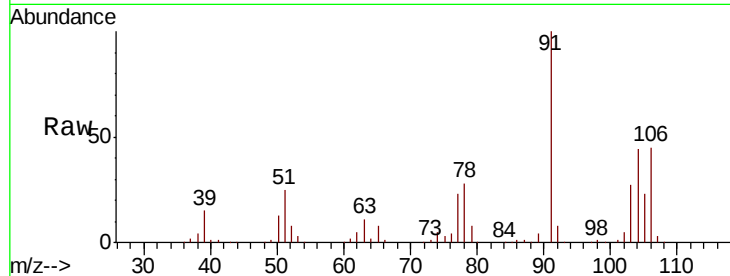




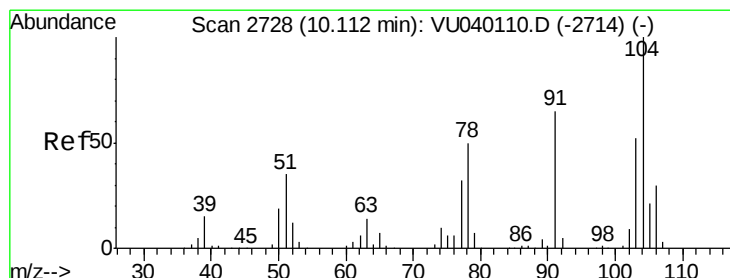
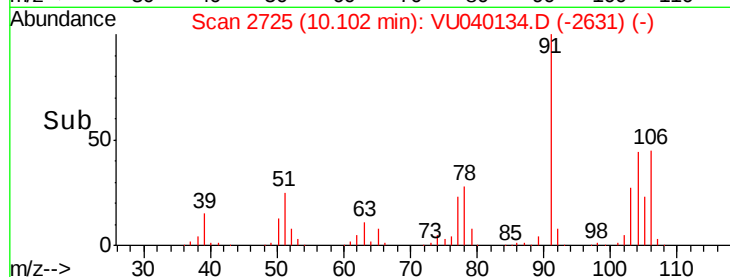
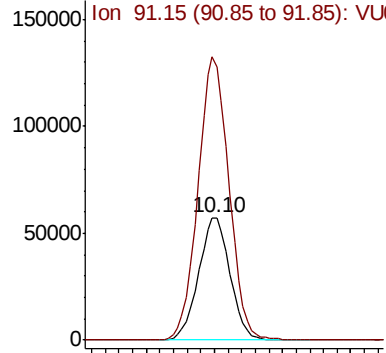
#54
o-Xylene
Concen: 5.292 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040134.D
Acq: 15 Sep 2020 11:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion:106 Resp: 91575
Ion Ratio Lower Upper
106 100
91 223.4 160.8 298.6

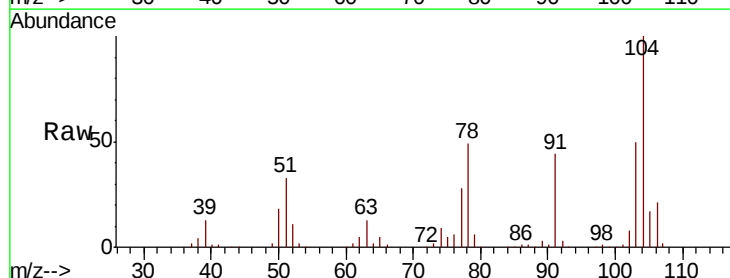


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

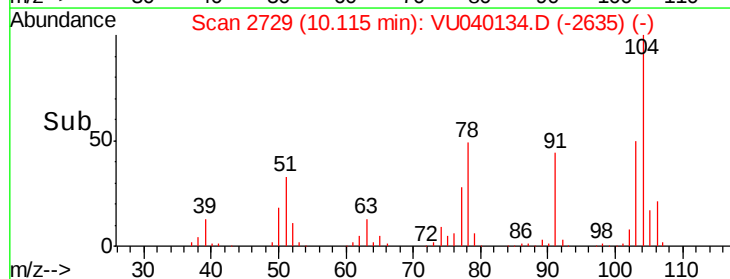
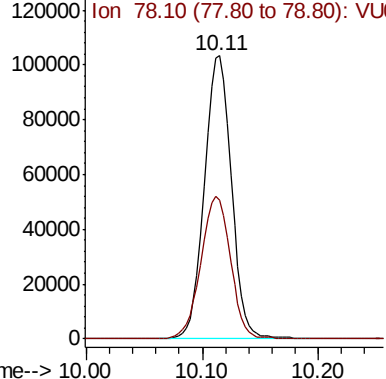


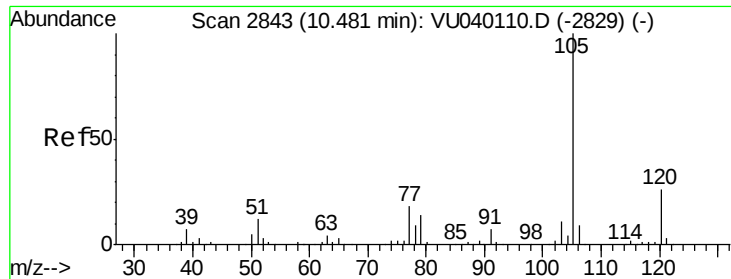
#55
Styrene
Concen: 5.514 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040134.D
Acq: 15 Sep 2020 11:47

Tgt Ion:104 Resp: 165949
Ion Ratio Lower Upper
104 100
78 48.9 36.8 68.3



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





#56

Isopropylbenzene

Concen: 5.391 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

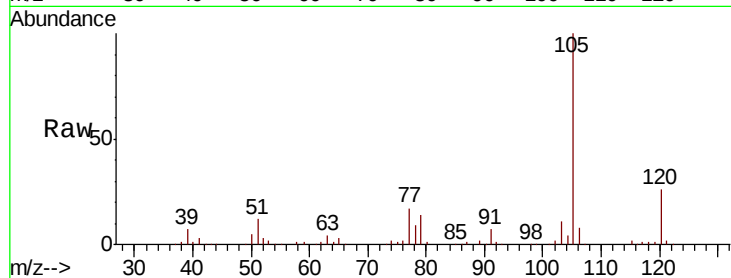
Tot Ion:105 Resp: 254440

Ion Ratio Lower Upper

105 100

120 25.7 20.1 30.1

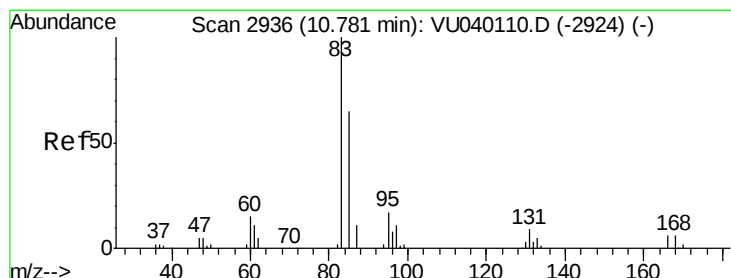
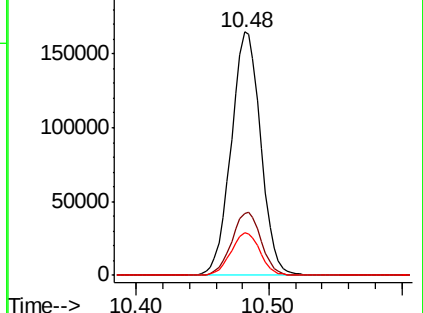
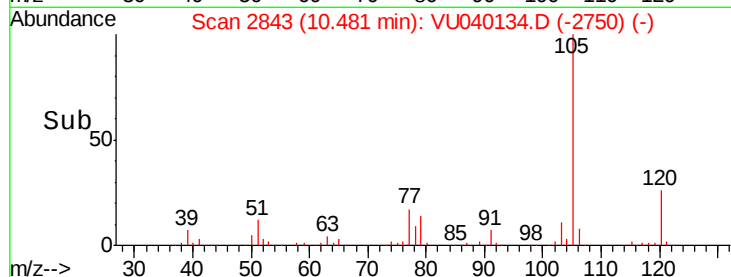
77 17.3 14.4 21.6



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: 5.447 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

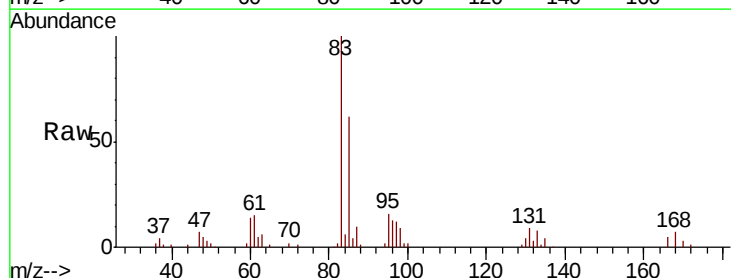
Tgt Ion: 83 Resp: 60063

Ion Ratio Lower Upper

83 100

85 62.1 44.9 83.3

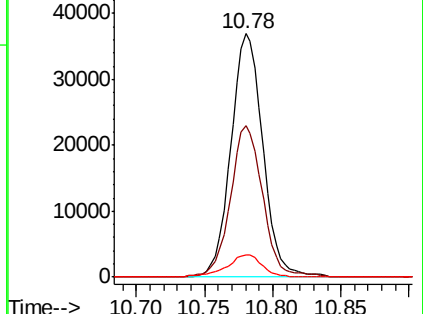
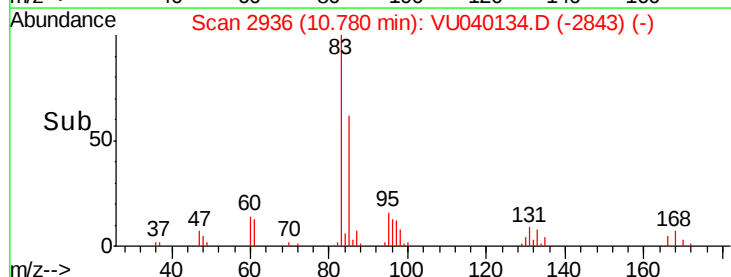
131 9.3 7.4 11.0

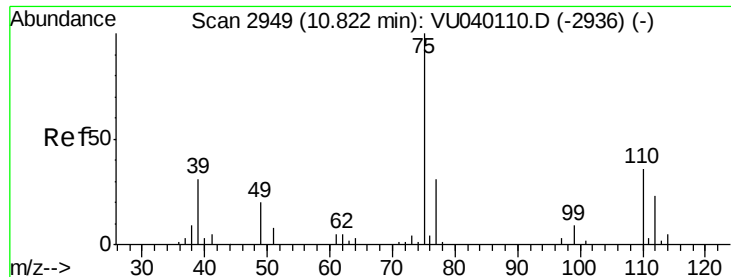


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.098 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

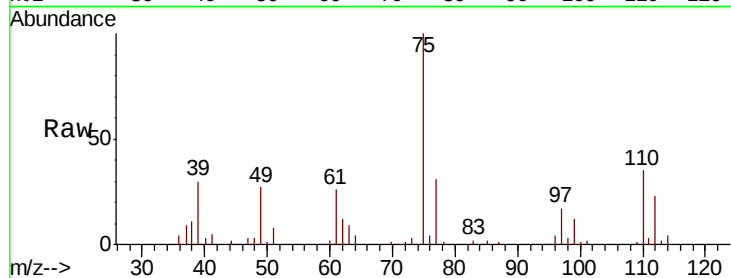
VSTD00530

Tot Ion: 75 Resp: 44582

Ion Ratio Lower Upper

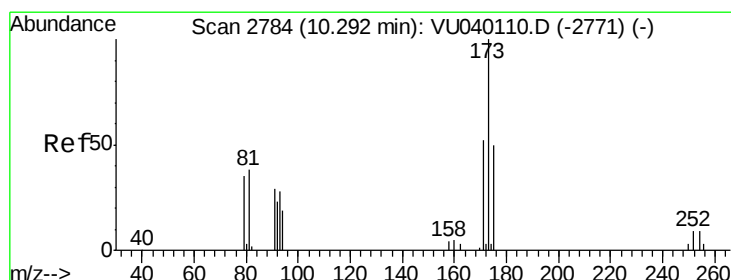
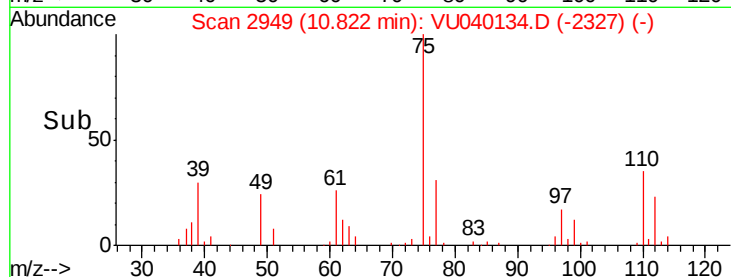
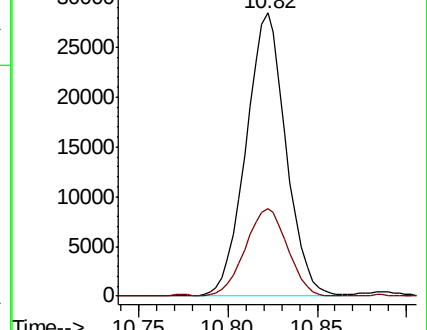
75 100

77 32.6 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU040110.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040110.D (-2936) (-)



#61

Bromoform

Concen: 4.815 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

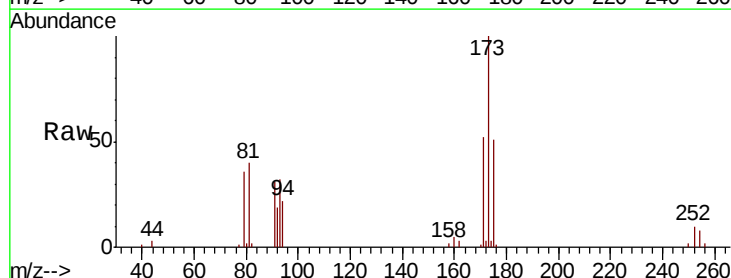
Tgt Ion: 173 Resp: 27948

Ion Ratio Lower Upper

173 100

175 46.3 37.8 56.6

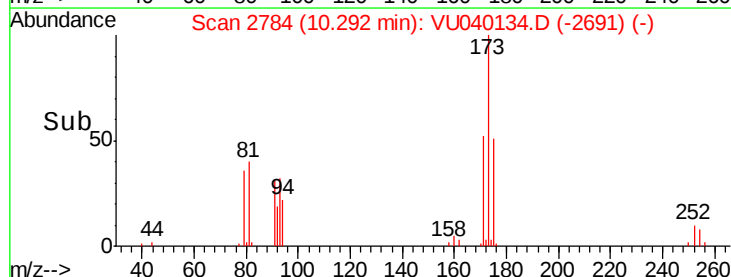
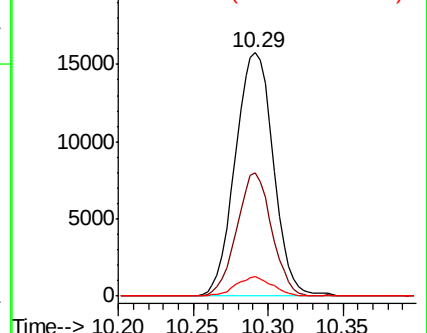
254 7.5 6.8 10.2

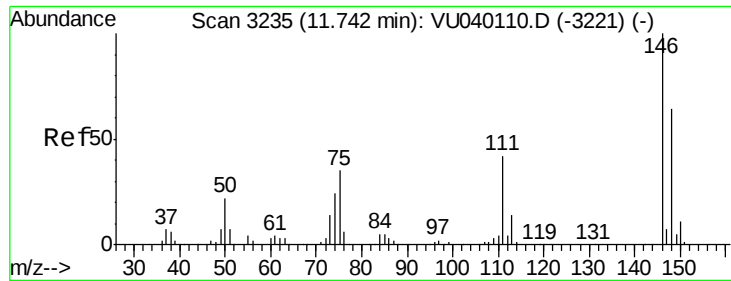


Abundance Ion 172.90 (172.60 to 173.60): VU040110.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040110.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040110.D (-2771) (-)





#62

1,3-Dichlorobenzene

Concen: 5.173 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

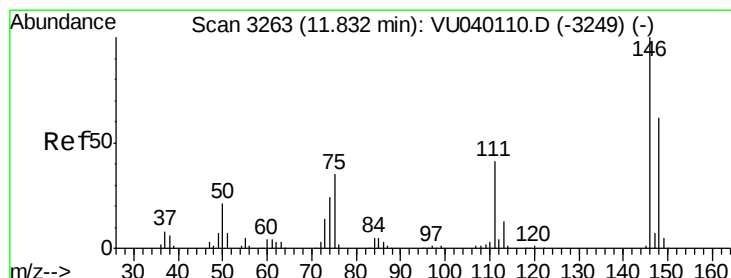
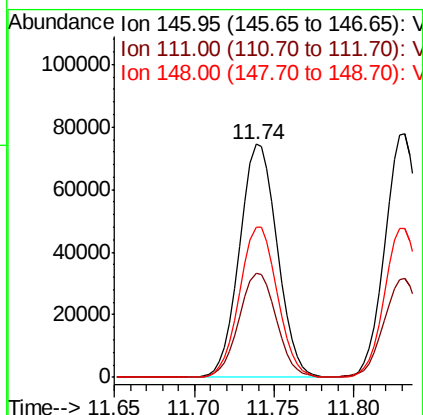
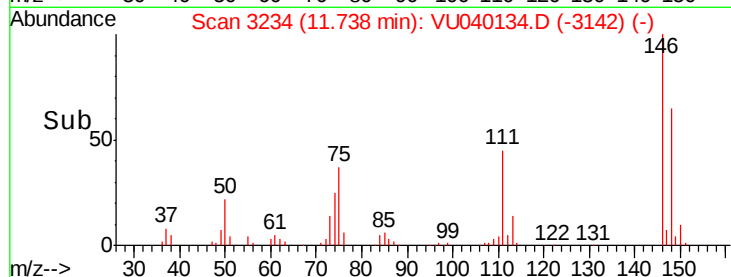
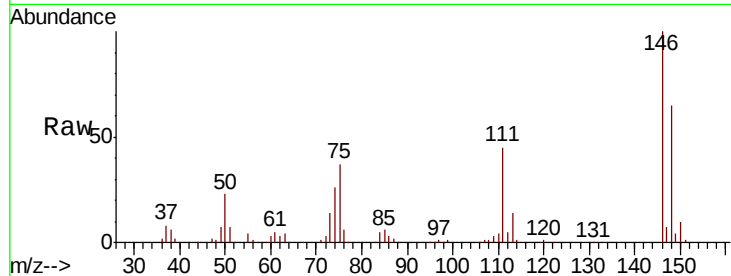
Tot Ion:146 Resp: 119651

Ion Ratio Lower Upper

146 100

111 44.5 31.6 58.8

148 64.6 44.2 82.0



#63

1,4-Dichlorobenzene

Concen: 5.216 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

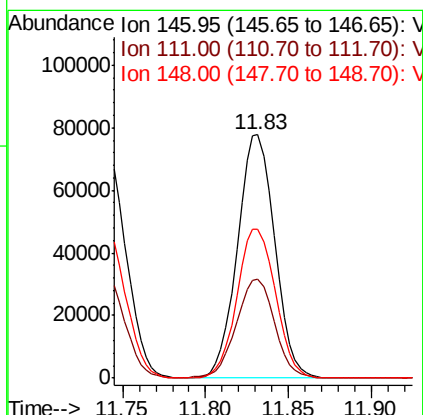
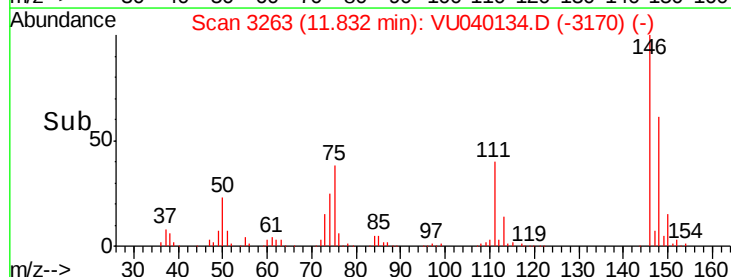
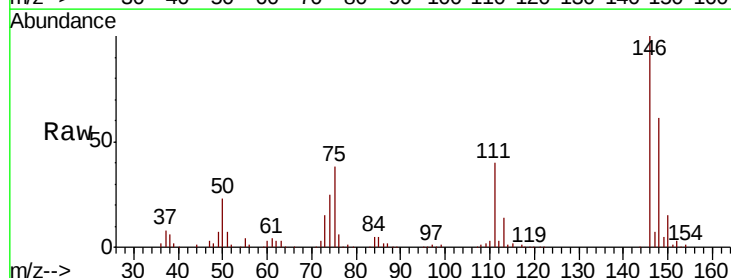
Tgt Ion:146 Resp: 122082

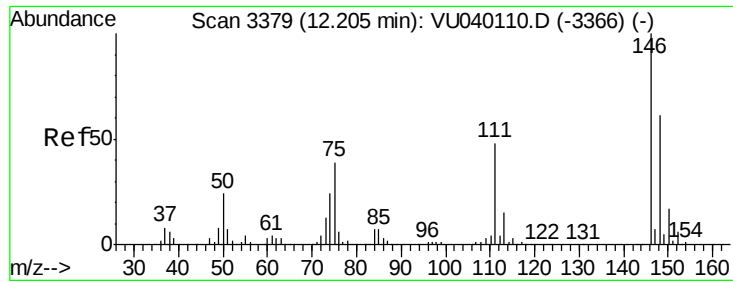
Ion Ratio Lower Upper

146 100

111 40.5 30.5 56.7

148 60.9 45.4 84.4

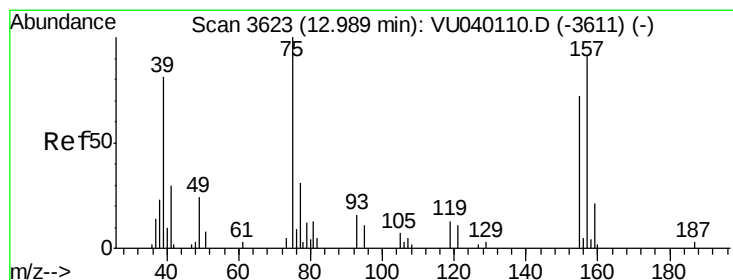
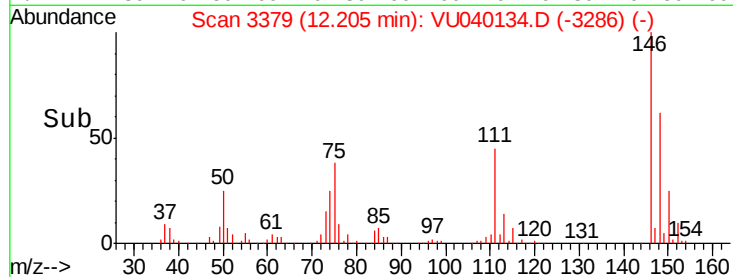
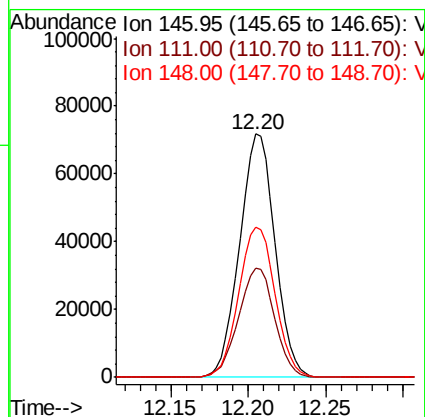
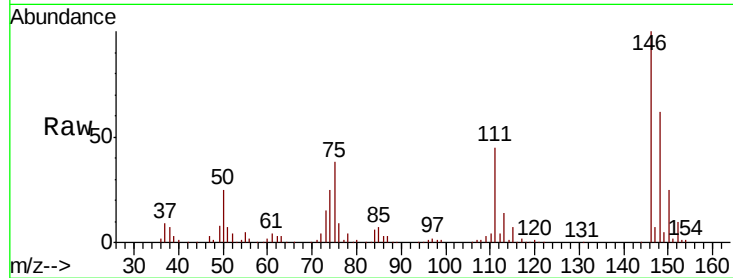




#65
 1,2-Dichlorobenzene
 Concen: 5.106 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

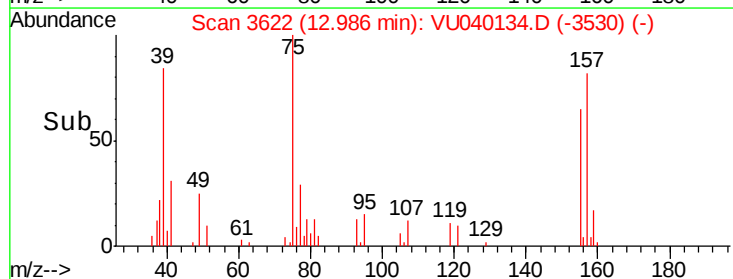
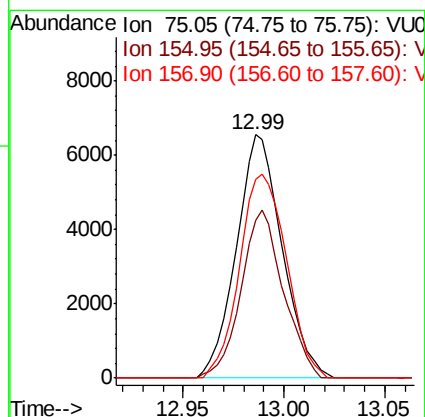
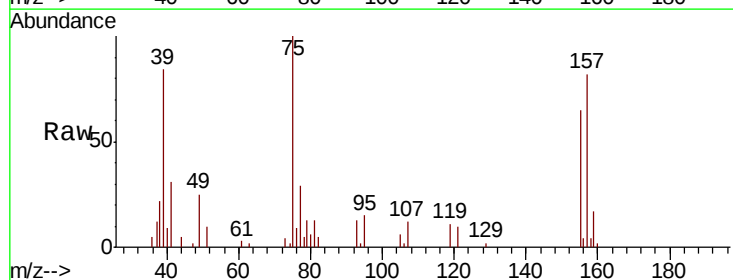
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

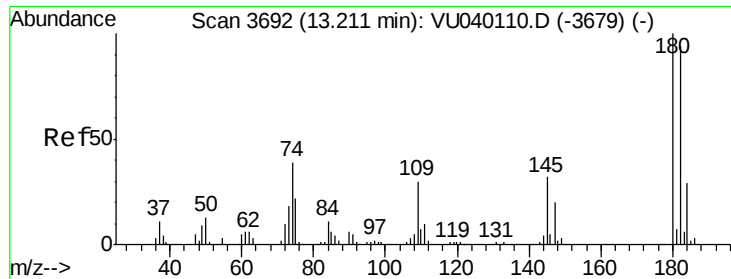
Tot Ion:146 Resp: 114262
 Ion Ratio Lower Upper
 146 100
 111 45.0 36.5 54.7
 148 61.9 48.6 72.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.360 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

Tgt Ion: 75 Resp: 10435
 Ion Ratio Lower Upper
 75 100
 155 65.0 54.6 82.0
 157 81.8 75.6 113.4

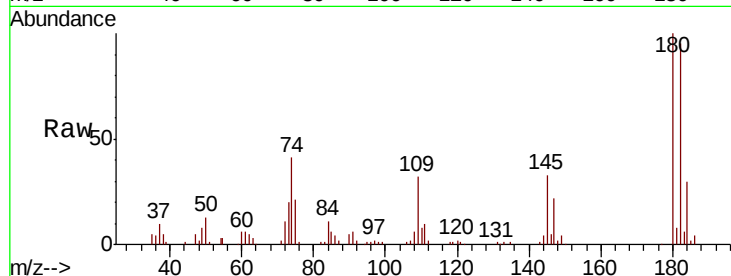




#67
 1,3,5-Trichlorobenzene
 Concen: 4.999 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.9	115.3
184	31.5	24.6	36.8
145	34.2	27.0	40.6



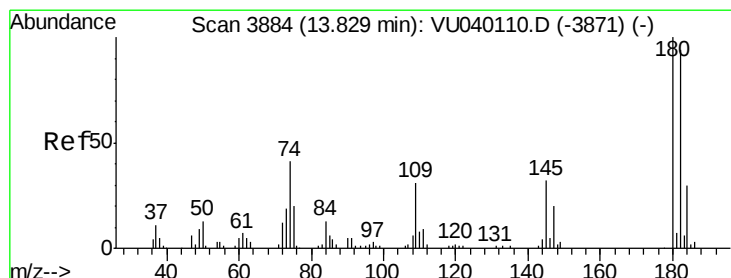
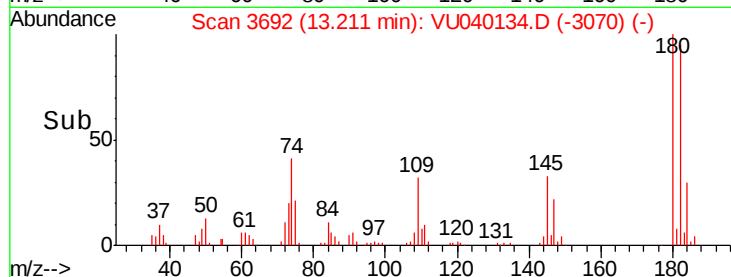
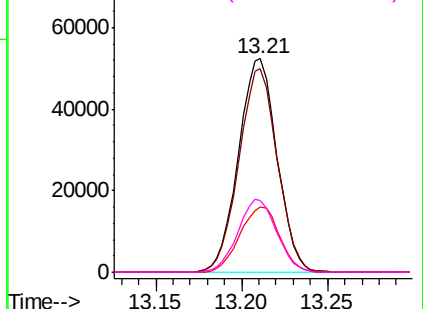
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

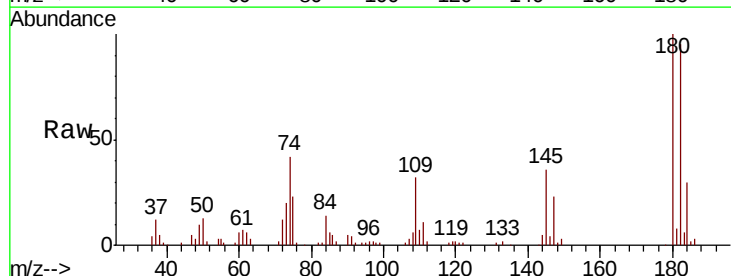
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.938 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040134.D
 Acq: 15 Sep 2020 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.0	114.0
145	35.3	28.4	42.6

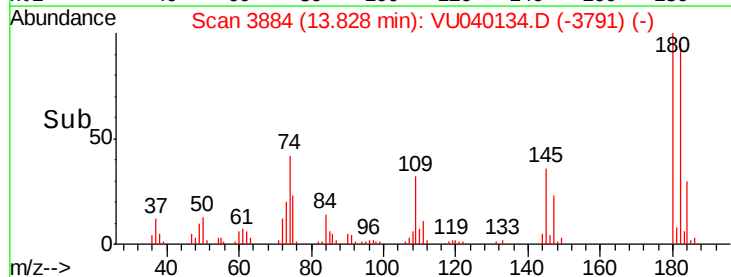
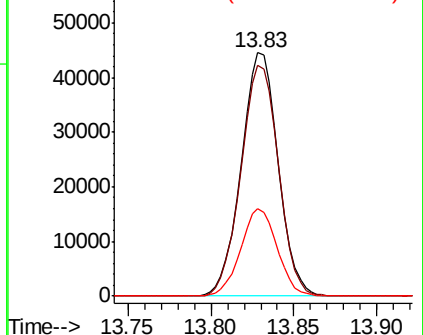


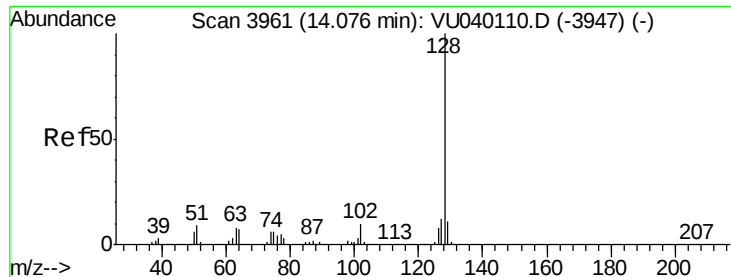
Abundance

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: 4.559 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampled :

VSTD00530

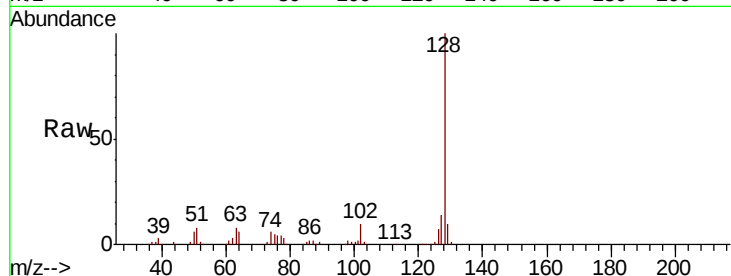
Tot Ion:128 Resp: 133108

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

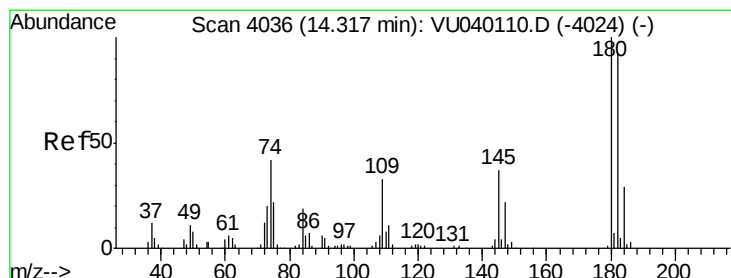
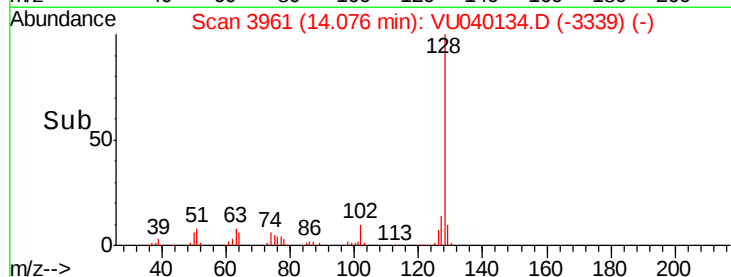
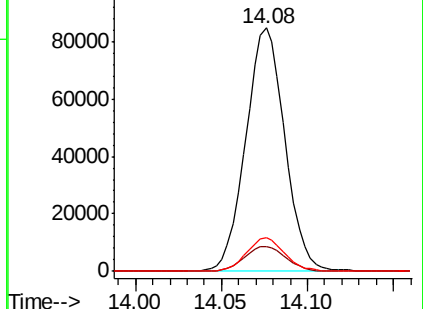
127 13.4 10.7 16.1



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: 4.964 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040134.D

Acq: 15 Sep 2020 11:47

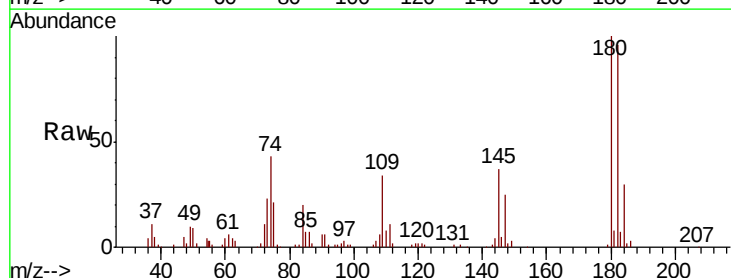
Tgt Ion:180 Resp: 63866

Ion Ratio Lower Upper

180 100

182 95.8 77.8 116.6

145 37.0 28.7 43.1



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

