

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101120\
 Data File : VU040634.D
 Acq On : 10 Oct 2020 14:26
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Quant Time: Oct 12 07:10:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 10 05:58:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	134220	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	134437	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	73233	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	47550	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	1.92	69	38801	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.58	63	98294	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.40%
20) 2-Butanone-d5	4.65	46	188359	52.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.86%
24) Chloroform-d	5.08	84	95435	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.72	65	57464	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.74	84	175752	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.70	67	58546	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.90	98	159388	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
43) trans-1,3-Dichloropropene-	8.18	79	26376	5.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.40%
46) 2-Hexanone-d5	8.64	63	140012	53.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.56%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55357	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	62792	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	59542	4.896 ug/L	99
3) Chloromethane	1.53	50	50195	4.414 ug/L	95
5) Vinyl chloride	1.61	62	53852	4.496 ug/L	96
6) Bromomethane	1.87	94	26799	4.121 ug/L	96
8) Chloroethane	1.94	64	34401	4.511 ug/L	99
9) Trichlorofluoromethane	2.15	101	81432	4.735 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	53142	4.760 ug/L	97
12) 1,1-Dichloroethene	2.59	96	44483	4.645 ug/L	89
13) Acetone	2.66	43	134868	48.888 ug/L	99
14) Carbon disulfide	2.81	76	117079	4.367 ug/L	98
15) Methyl Acetate	2.97	43	30843	4.896 ug/L	100
16) Methylene chloride	3.06	84	54214	4.409 ug/L	95
17) Methyl tert-butyl Ether	3.38	73	132885	4.907 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	46435	4.632 ug/L	99
19) 1,1-Dichloroethane	3.89	63	99034	4.777 ug/L	99
21) 2-Butanone	4.73	43	216228	50.274 ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	53428	4.942 ug/L	92

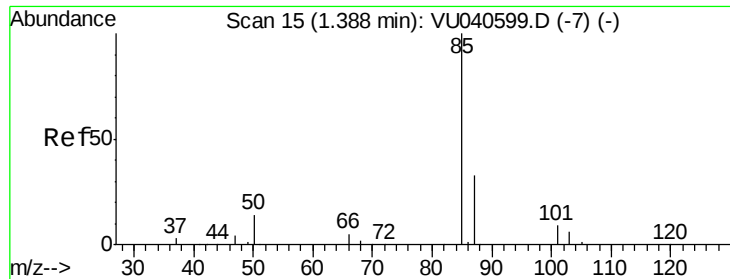
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101120\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 10 05:58:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	26038	4.848	uq/L	99
25) Chloroform	5.11	83	104503	4.937	uq/L	96
27) 1,2-Dichloroethane	5.81	62	74149	4.949	uq/L	98
29) 1,1,1-Trichloroethane	5.33	97	87087	4.821	uq/L	98
30) Cyclohexane	5.40	56	78795	4.733	uq/L	99
31) Carbon tetrachloride	5.54	117	74364	4.810	uq/L	98
33) Benzene	5.79	78	209374	4.848	uq/L	100
34) Trichloroethene	6.56	95	52979	4.732	uq/L	95
35) Methylcyclohexane	6.77	83	74422	4.688	uq/L	99
37) 1,2-Dichloropropane	6.80	63	58533	4.864	uq/L	100
38) Bromodichloromethane	7.11	83	74693	4.855	uq/L	98
39) cis-1,3-Dichloropropene	7.61	75	81743	4.972	uq/L	94
40) 4-Methyl-2-pentanone	7.80	43	483650	50.411	uq/L	100
42) Toluene	7.97	91	217200	4.935	uq/L	98
44) trans-1,3-Dichloropropene	8.21	75	76050	5.024	uq/L	96
45) 1,1,2-Trichloroethane	8.40	97	44015	4.884	uq/L	98
47) Tetrachloroethene	8.56	164	39894	4.995	uq/L	97
48) 2-Hexanone	8.69	43	375768	52.606	uq/L	100
49) Dibromochloromethane	8.81	129	52019	5.016	uq/L	98
50) 1,2-Dibromoethane	8.92	107	40913	4.785	uq/L	98
51) Chlorobenzene	9.45	112	141144	4.869	uq/L	99
52) Ethylbenzene	9.57	91	234750	4.929	uq/L	99
53) m,p-Xylene	9.69	106	90600	5.218	uq/L	99
54) o-Xylene	10.10	106	84867	5.083	uq/L	97
55) Styrene	10.11	104	154626	5.333	uq/L	100
56) Isopropylbenzene	10.48	105	229224	5.100	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	58101	4.910	uq/L	99
59) 1,2,3-Trichloropropane	10.82	75	45118	5.104	uq/L	98
61) Bromoform	10.29	173	29235	4.657	uq/L	99
62) 1,3-Dichlorobenzene	11.74	146	117980	4.922	uq/L	99
63) 1,4-Dichlorobenzene	11.83	146	122170	4.943	uq/L	99
65) 1,2-Dichlorobenzene	12.21	146	113074	4.826	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9634	4.695	uq/L	98
67) 1,3,5-Trichlorobenzene	13.21	180	83117	4.887	uq/L	99
68) 1,2,4-trichlorobenzene	13.83	180	66603	5.069	uq/L	97
69) Naphthalene	14.08	128	113292	5.271	uq/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	62990	5.162	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.896 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

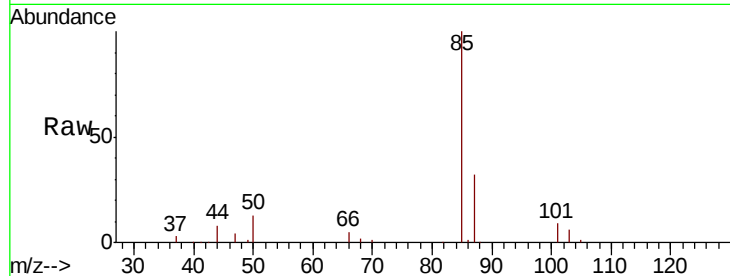
VSTD00526

Tot Ion: 85 Resp: 59542

Ion Ratio Lower Upper

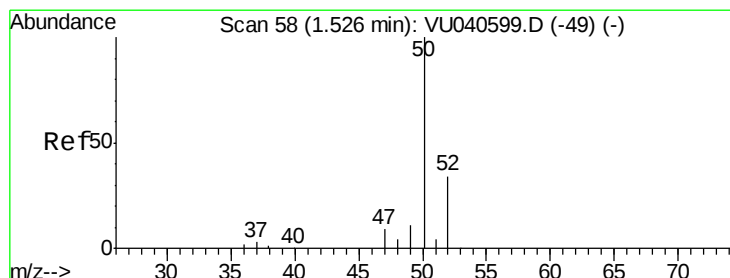
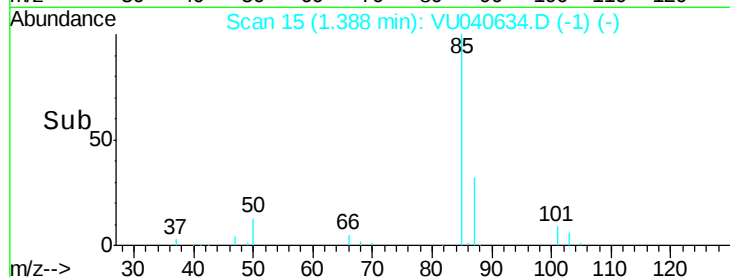
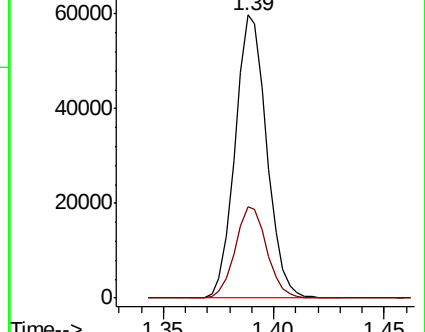
85 100

87 32.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU040599.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040599.D (-7) (-)



#3

Chloromethane

Concen: 4.414 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040634.D

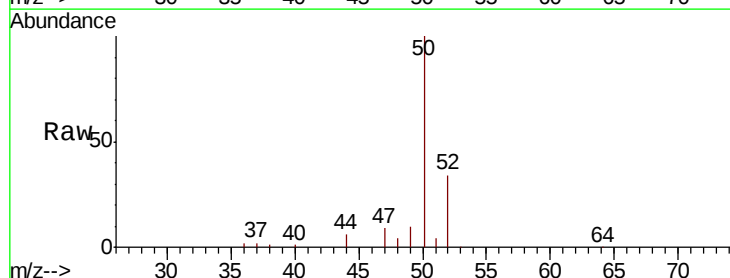
Acq: 10 Oct 2020 14:26

Tgt Ion: 50 Resp: 50195

Ion Ratio Lower Upper

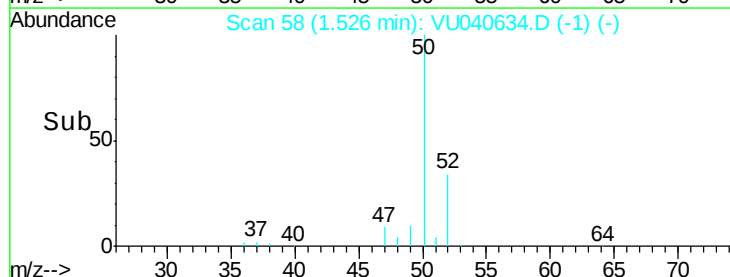
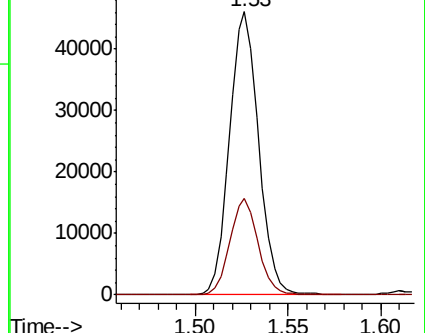
50 100

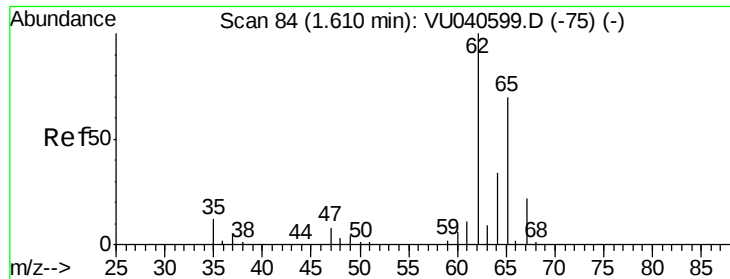
52 34.0 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040599.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040599.D (-49) (-)





#5

Vinyl chloride

Concen: 4.496 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

Instrument :

MSVOA_U

ClientSampled :

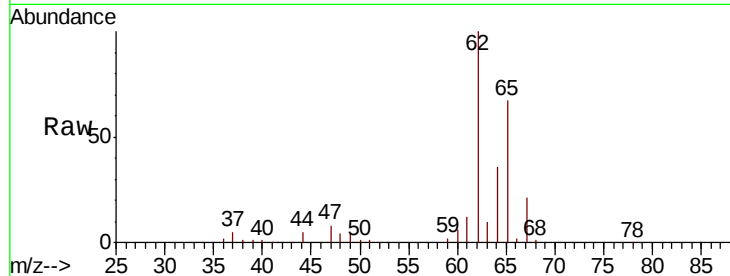
VSTD00526

Tot Ion: 62 Resp: 53852

Ion Ratio Lower Upper

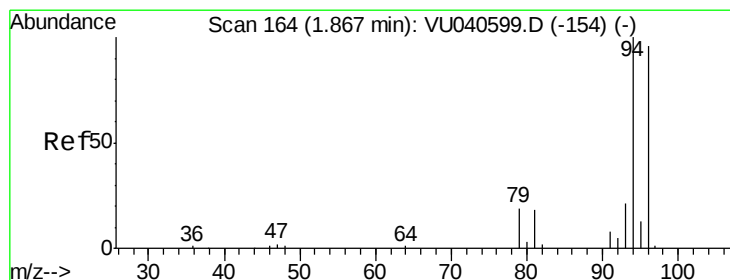
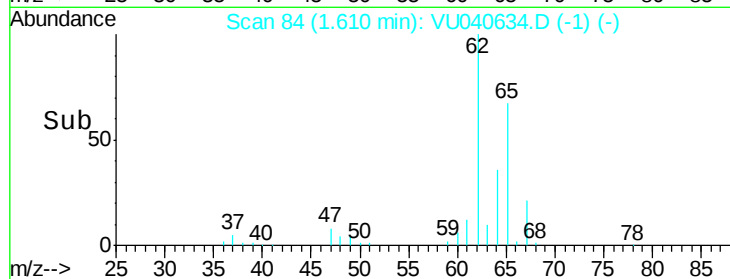
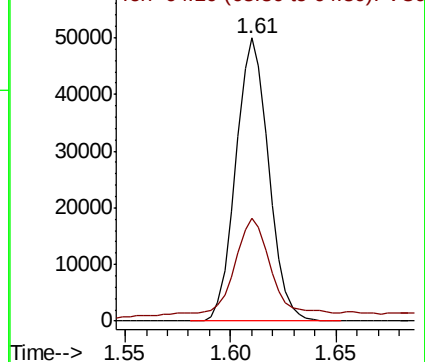
62 100

64 36.3 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.121 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040634.D

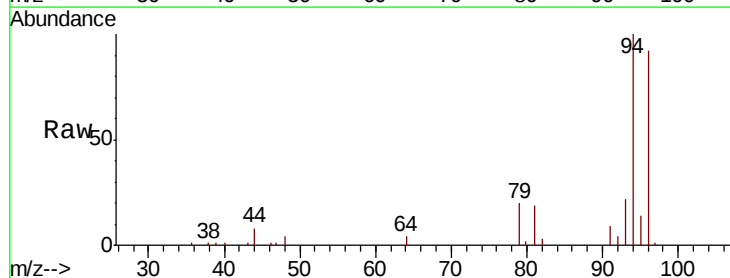
Acq: 10 Oct 2020 14:26

Tgt Ion: 94 Resp: 26799

Ion Ratio Lower Upper

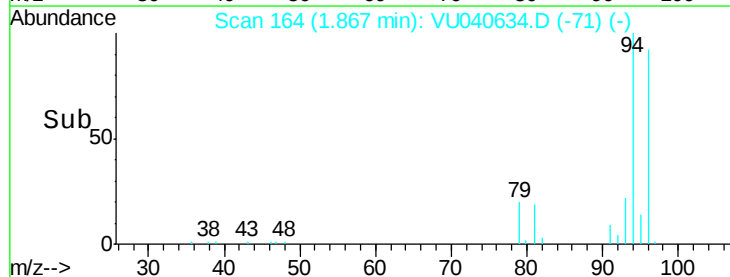
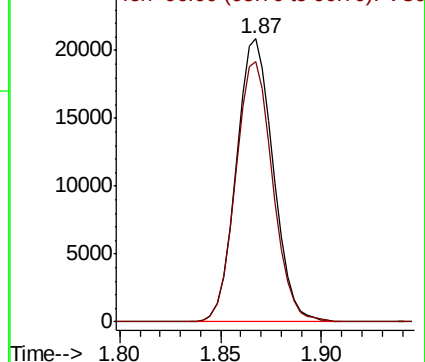
94 100

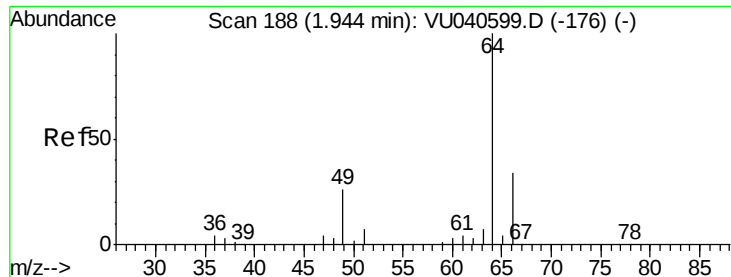
96 92.2 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

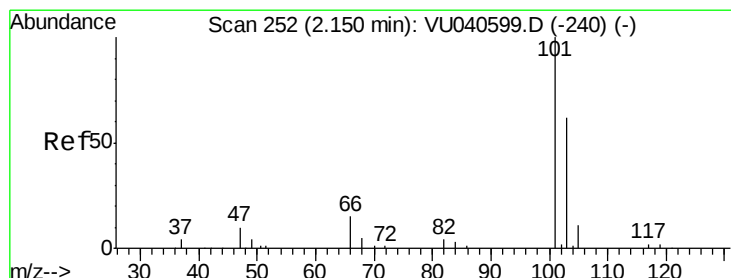
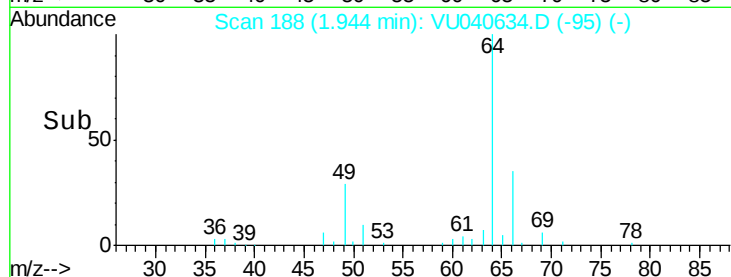
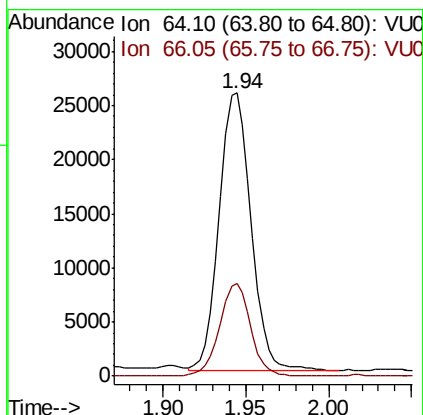
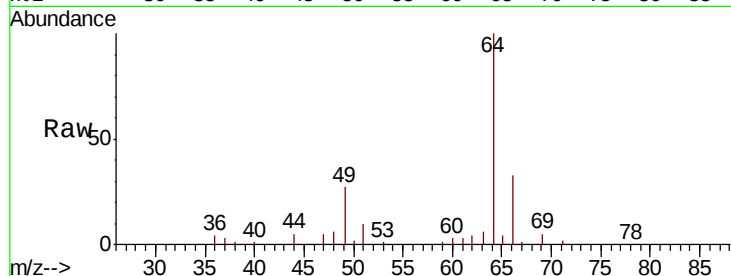




#8
Chloroethane
Concen: 4.511 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040634.D
Acq: 10 Oct 2020 14:26

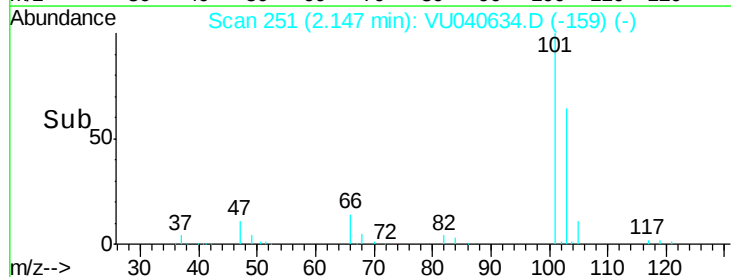
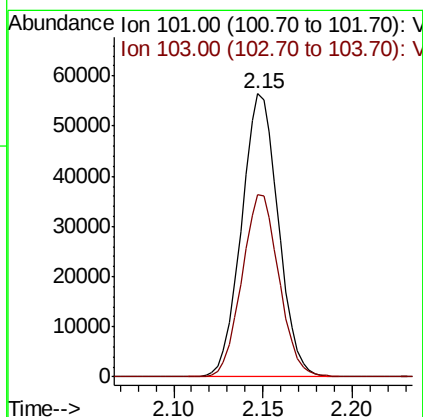
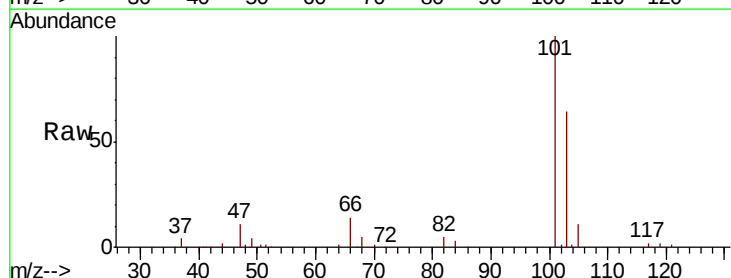
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

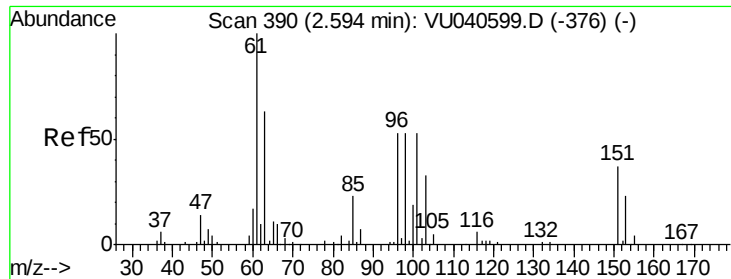
Tot Ion: 64 Resp: 34401
Ion Ratio Lower Upper
64 100
66 32.9 23.3 43.3



#9
Trichlorofluoromethane
Concen: 4.735 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040634.D
Acq: 10 Oct 2020 14:26

Tgt Ion:101 Resp: 81432
Ion Ratio Lower Upper
101 100
103 64.9 52.2 78.4





#10

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

Concen: 4.760 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

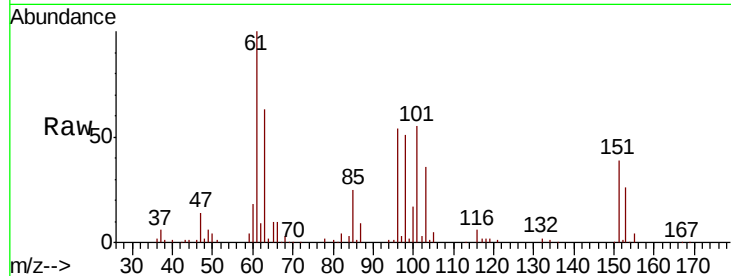
Tot Ion:101 Resp: 53142

Ion Ratio Lower Upper

101 100

85 44.4 36.7 55.1

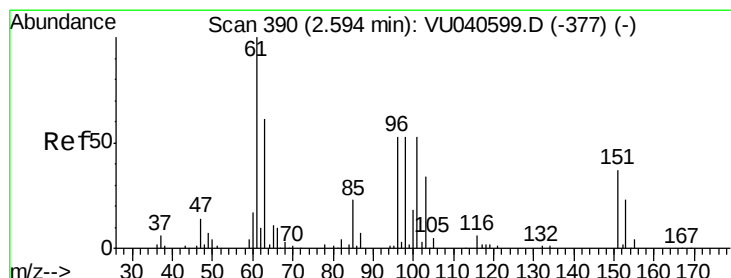
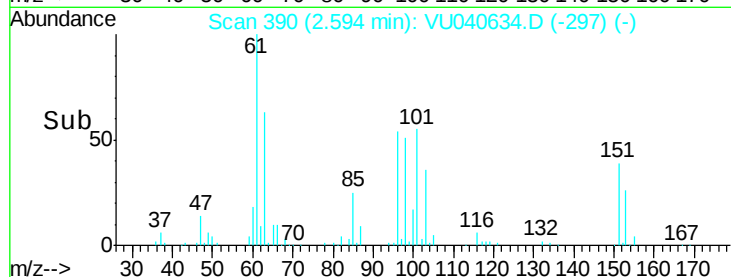
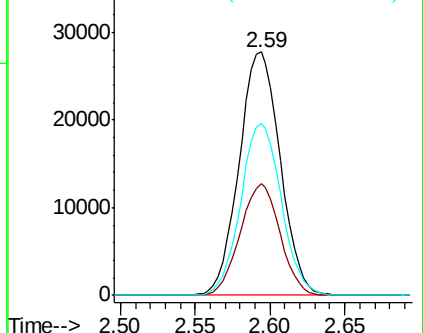
151 69.7 58.0 87.0



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: 4.645 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

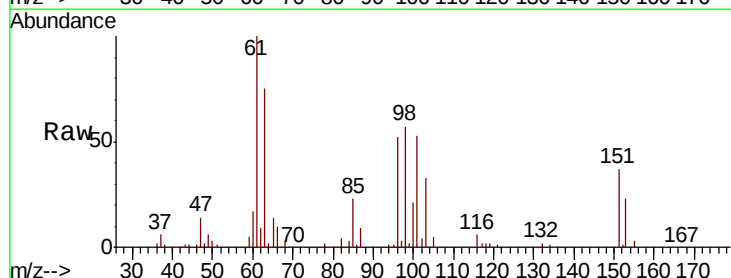
Tgt Ion: 96 Resp: 44483

Ion Ratio Lower Upper

96 100

61 191.3 128.8 239.2

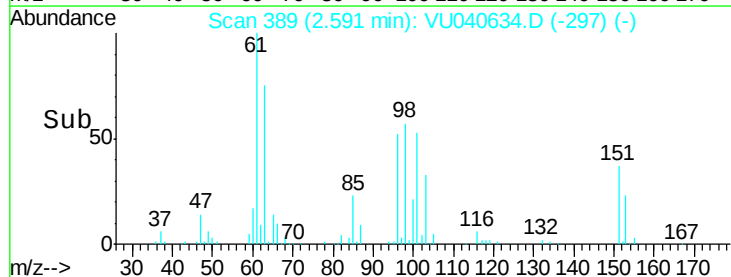
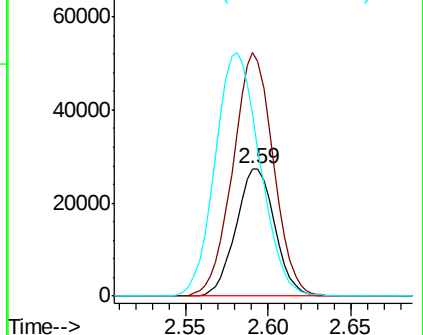
63 142.9 84.6 157.2

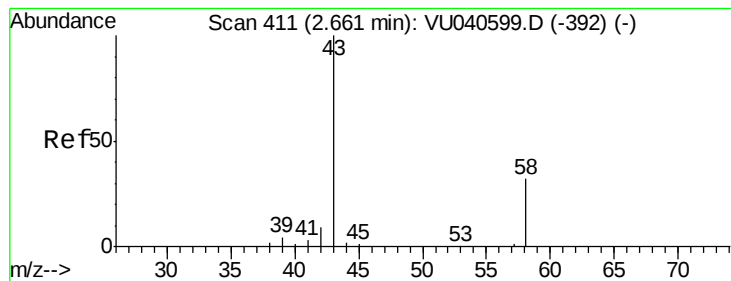


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.888 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

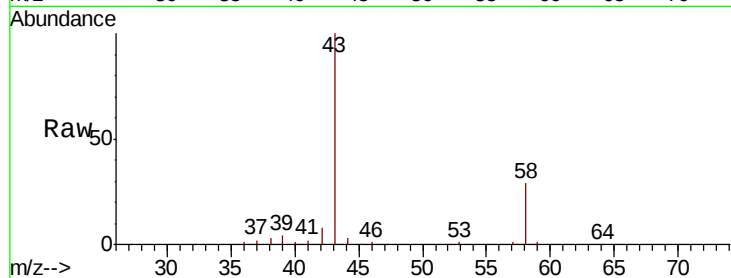
VSTD00526

Tot Ion: 43 Resp: 134868

Ion Ratio Lower Upper

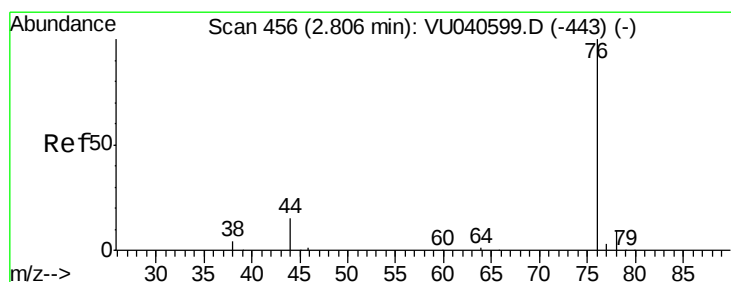
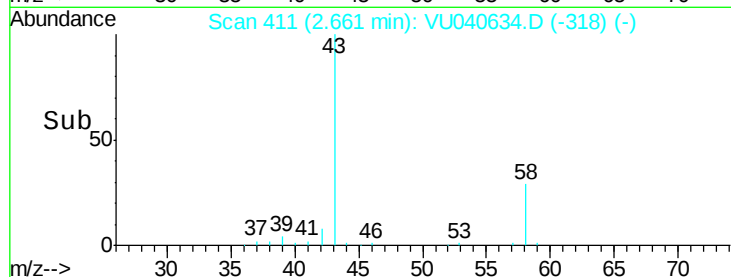
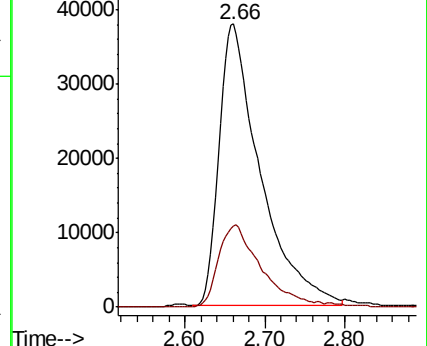
43 100

58 29.7 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040634.D (-318) (-)

Ion 58.05 (57.75 to 58.75): VU040634.D (-318) (-)



#14

Carbon disulfide

Concen: 4.367 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040634.D

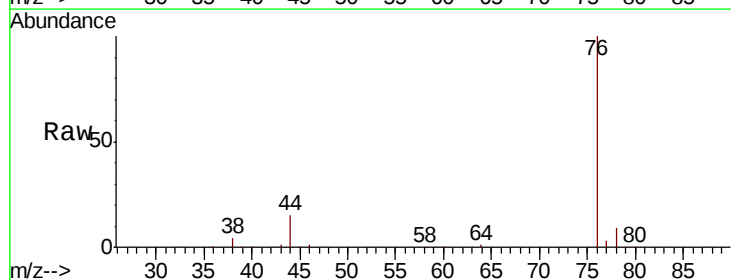
Acq: 10 Oct 2020 14:26

Tgt Ion: 76 Resp: 117079

Ion Ratio Lower Upper

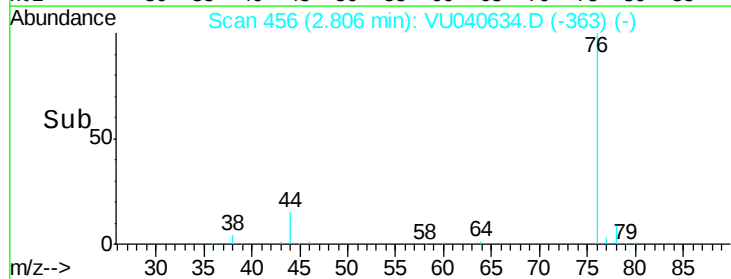
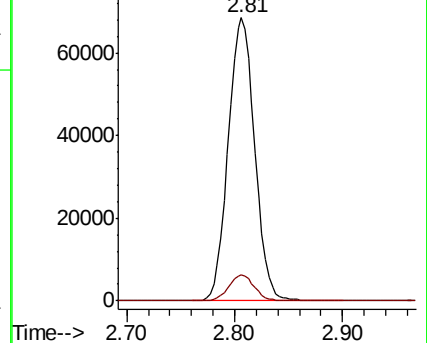
76 100

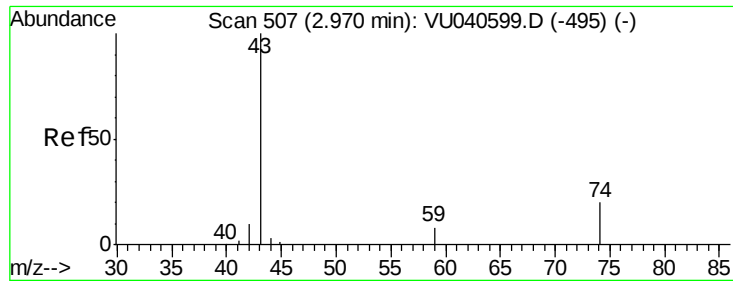
78 9.4 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040634.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040634.D (-363) (-)

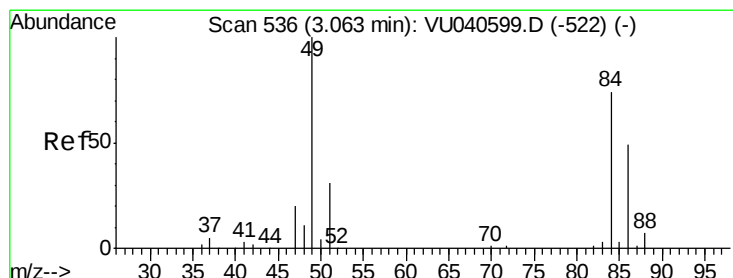
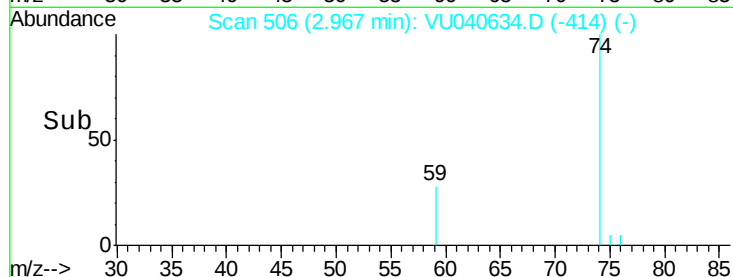
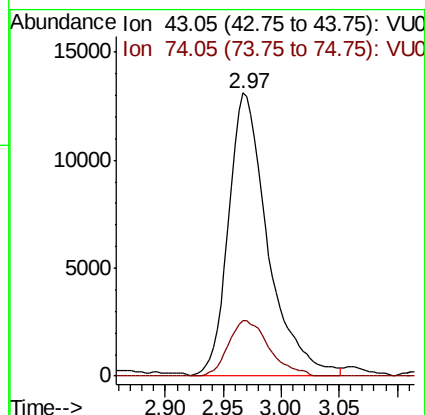
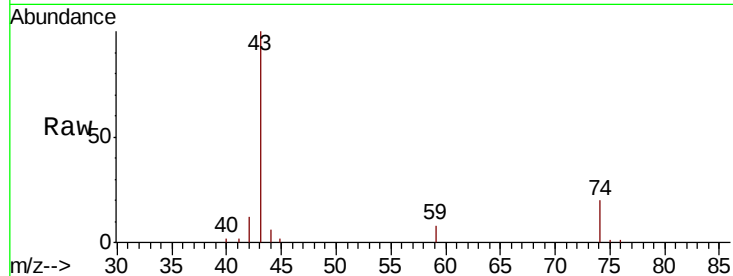




#15
Methvl Acetate
Concen: 4.896 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU040634.D
Acq: 10 Oct 2020 14:26

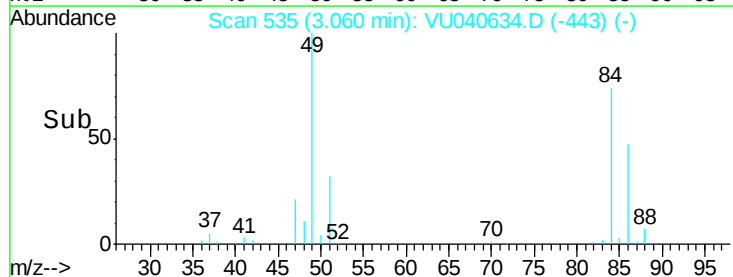
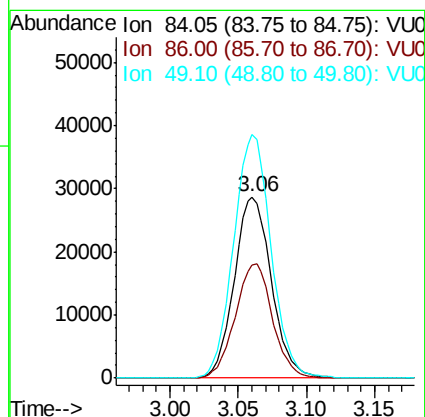
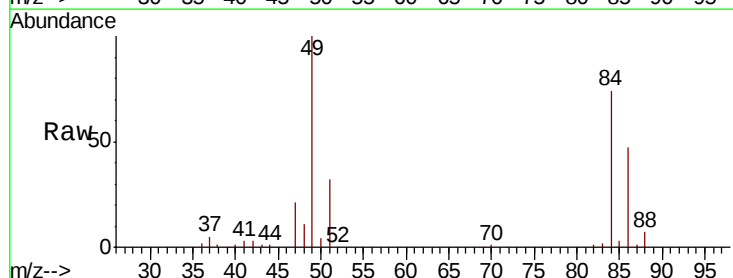
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

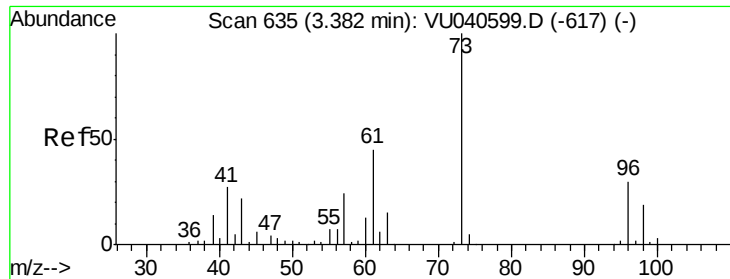
Tot Ion: 43 Resp: 30843
Ion Ratio Lower Upper
43 100
74 20.4 16.5 24.7



#16
Methylene chloride
Concen: 4.409 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040634.D
Acq: 10 Oct 2020 14:26

Tgt Ion: 84 Resp: 54214
Ion Ratio Lower Upper
84 100
86 62.6 45.4 84.4
49 134.4 99.8 185.3

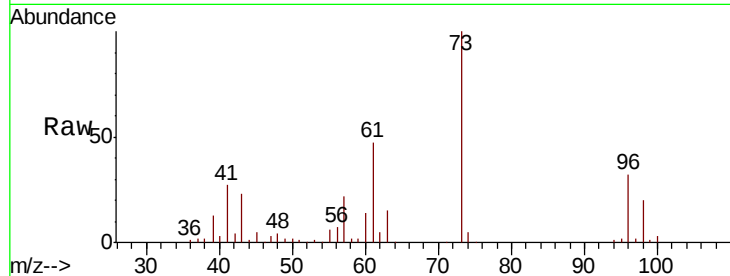




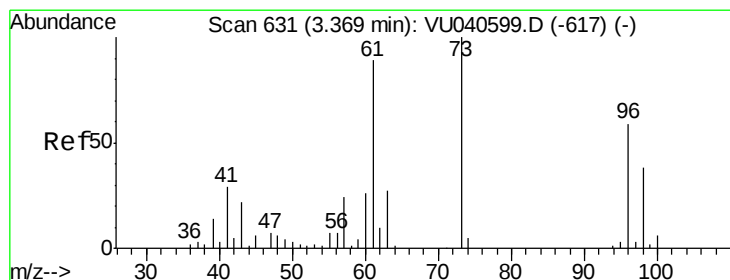
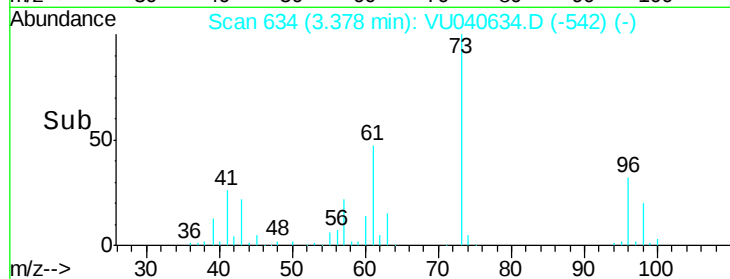
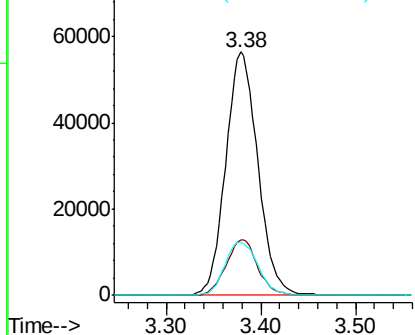
#17
Methvl tert-butvl Ether
Concen: 4.907 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040634.D
Acq: 10 Oct 2020 14:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion: 73 Resp: 132885
Ion Ratio Lower Upper
73 100
43 22.6 18.2 27.4
57 22.6 18.6 28.0

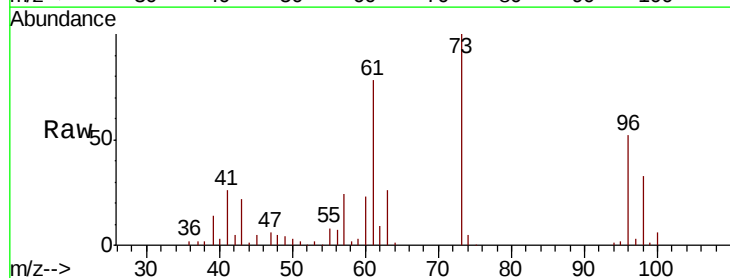


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

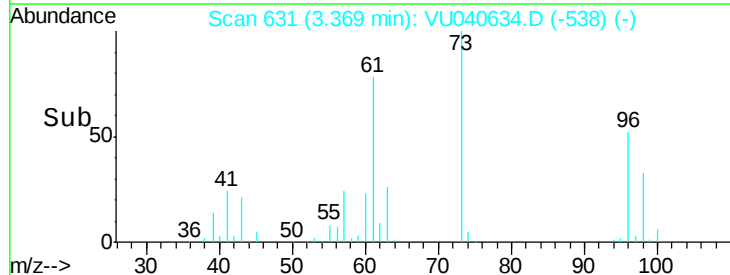
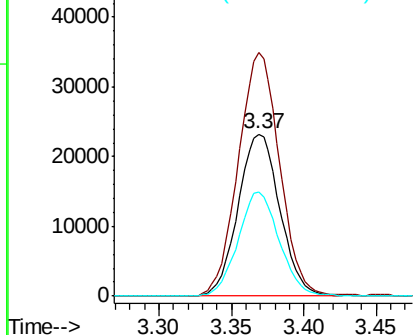


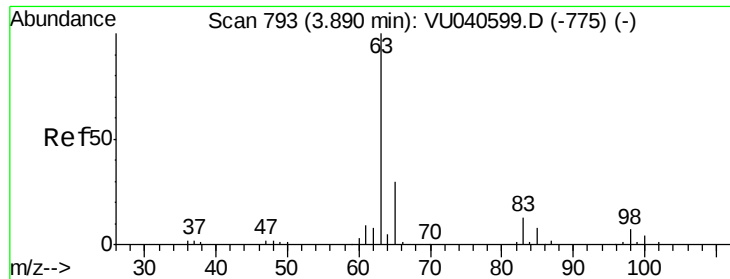
#18
trans-1,2-Dichloroethene
Concen: 4.632 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040634.D
Acq: 10 Oct 2020 14:26

Tgt Ion: 96 Resp: 46435
Ion Ratio Lower Upper
96 100
61 150.2 105.9 196.7
98 64.2 43.8 81.3



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

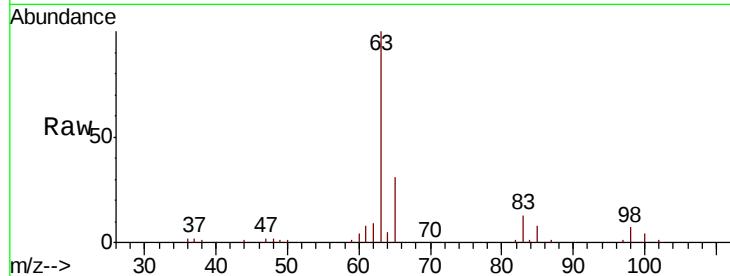




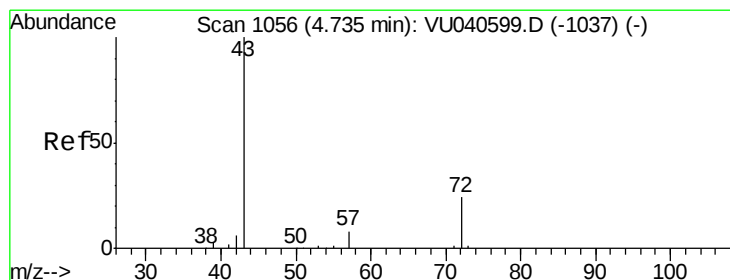
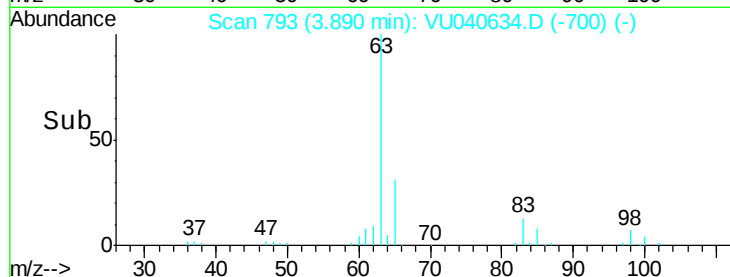
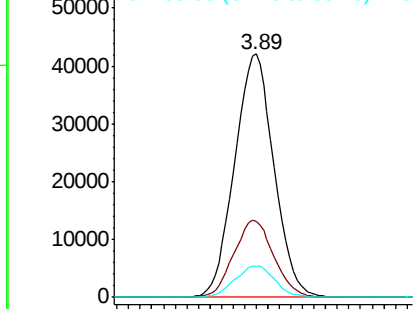
#19
 1,1-Dichloroethane
 Concen: 4.777 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU040634.D
 Acq: 10 Oct 2020 14:26

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00526

Tot Ion: 63 Resp: 99034
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.9 40.7
 83 12.9 9.6 17.8

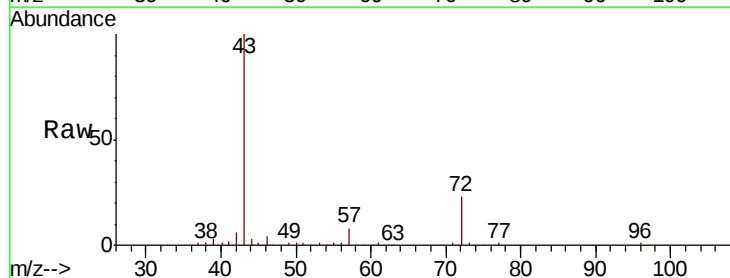


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

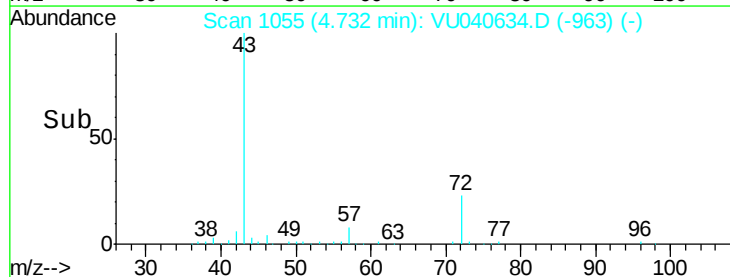
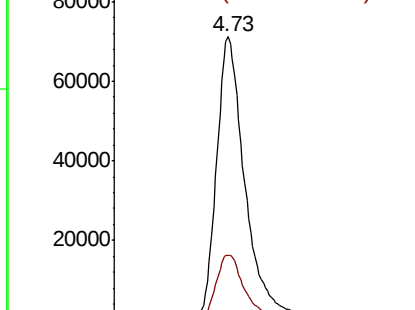


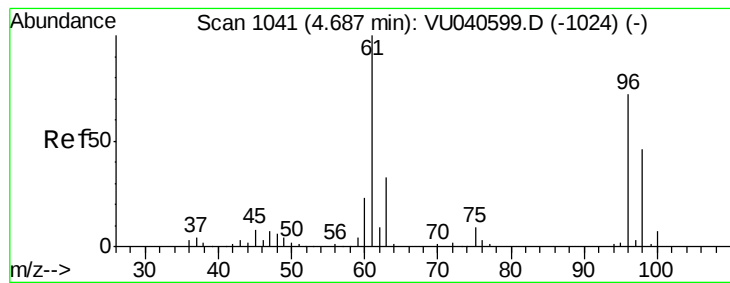
#21
 2-Butanone
 Concen: 50.274 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VU040634.D
 Acq: 10 Oct 2020 14:26

Tgt Ion: 43 Resp: 216228
 Ion Ratio Lower Upper
 43 100
 72 23.9 11.4 34.2



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: 4.942 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

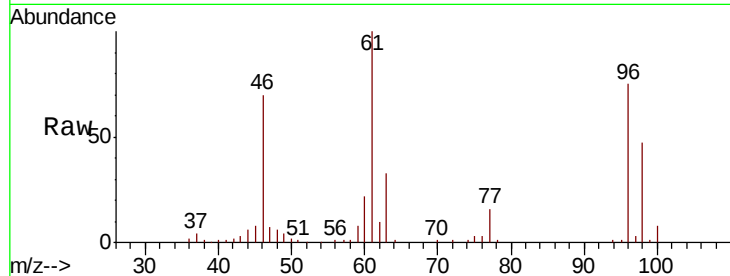
Tot Ion: 96 Resp: 53428

Ion Ratio Lower Upper

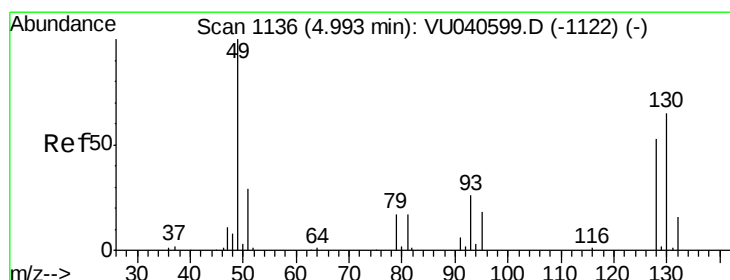
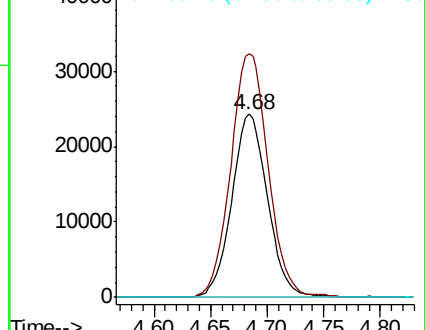
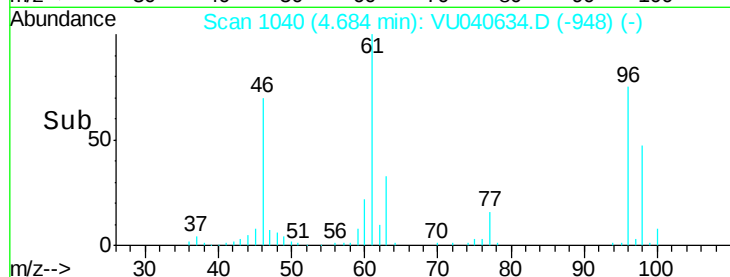
96 100

61 133.0 99.8 185.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040634.D (-948) (-)



#23

Bromochloromethane

Concen: 4.848 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

Tgt Ion: 128 Resp: 26038

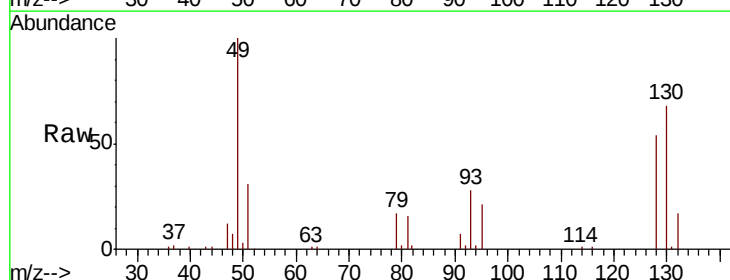
Ion Ratio Lower Upper

128 100

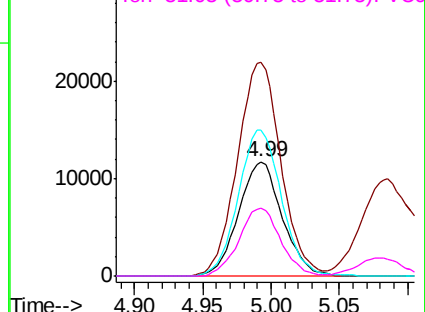
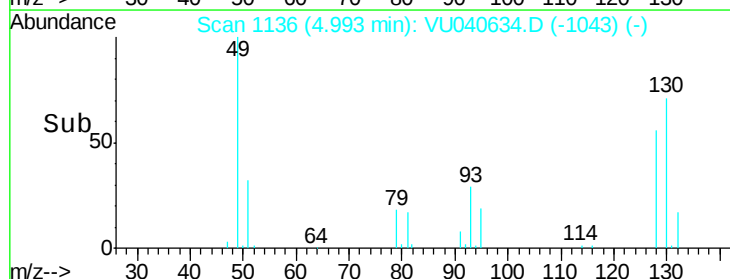
49 186.7 132.2 245.4

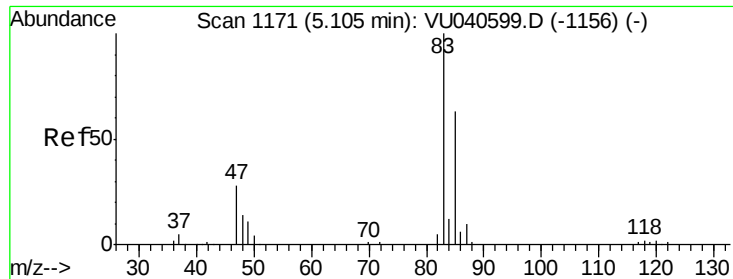
130 127.5 89.2 165.8

51 58.8 45.3 67.9



Abundance Ion 127.90 (127.60 to 128.60): VU040634.D (-1043) (-)

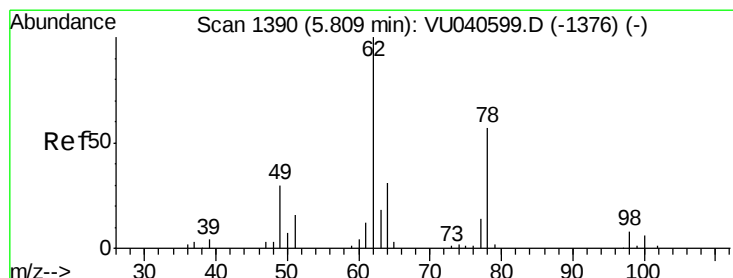
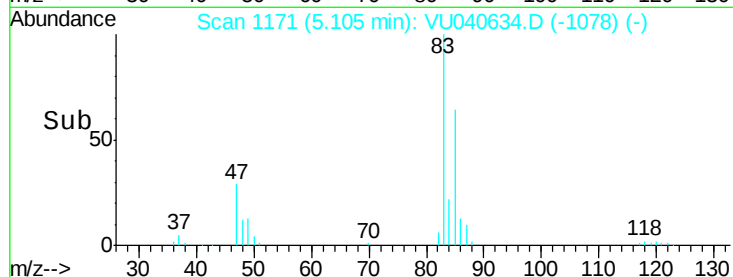
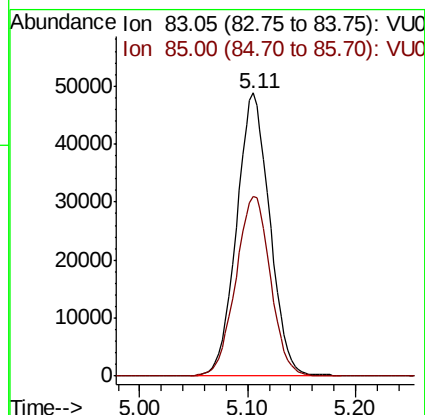
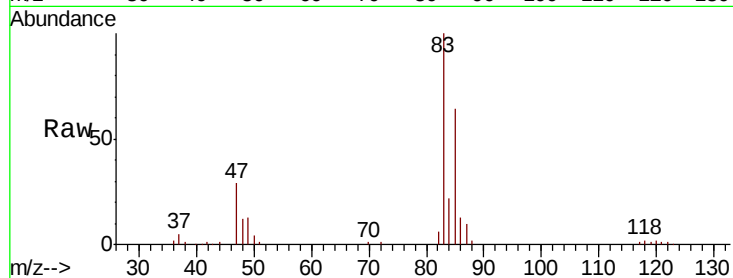




#25
Chloroform
Concen: 4.937 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040634.D
Acq: 10 Oct 2020 14:26

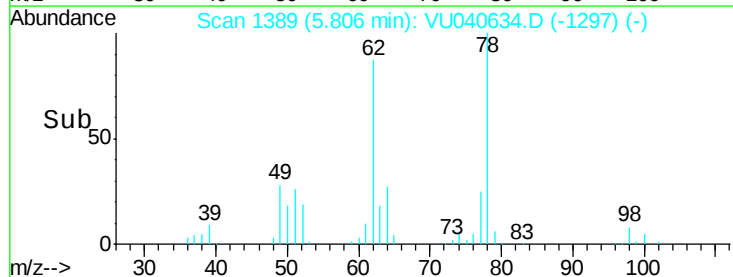
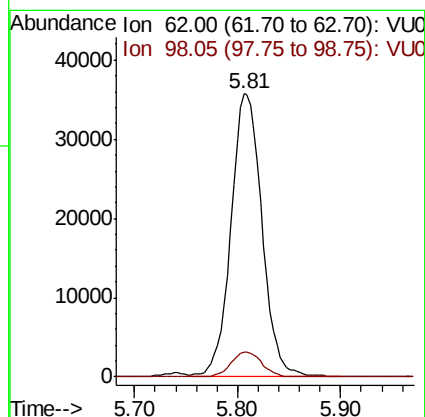
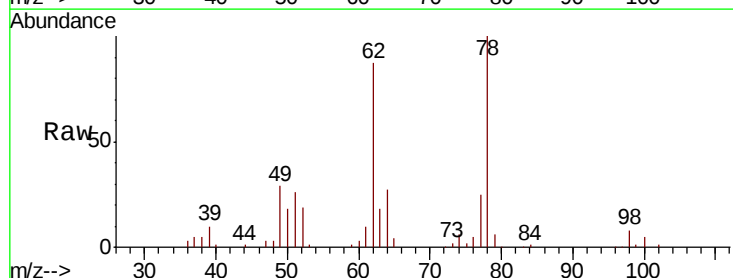
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

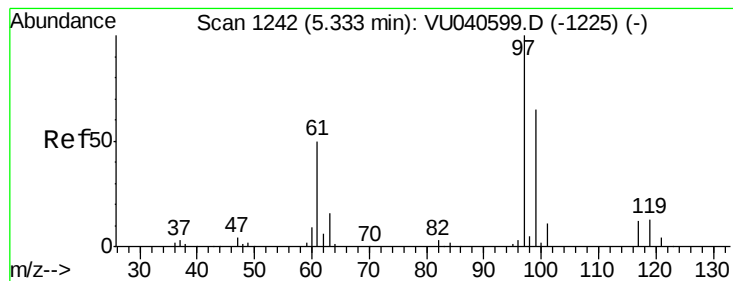
Tot Ion: 83 Resp: 104503
Ion Ratio Lower Upper
83 100
85 63.5 46.5 86.5



#27
1,2-Dichloroethane
Concen: 4.949 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU040634.D
Acq: 10 Oct 2020 14:26

Tgt Ion: 62 Resp: 74149
Ion Ratio Lower Upper
62 100
98 9.0 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 4.821 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

Instrument :

MSVOA_U

ClientSampled :

VSTD00526

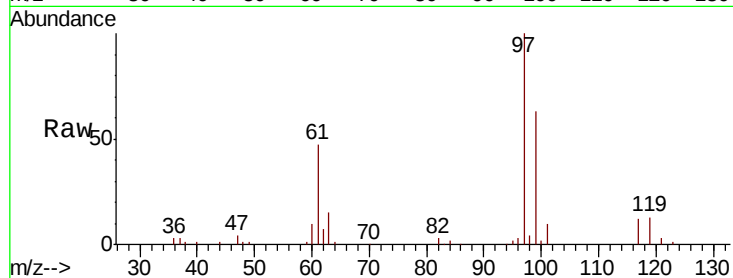
Tot Ion: 97 Resp: 87087

Ion Ratio Lower Upper

97 100

99 63.0 51.3 76.9

61 47.7 39.4 59.2

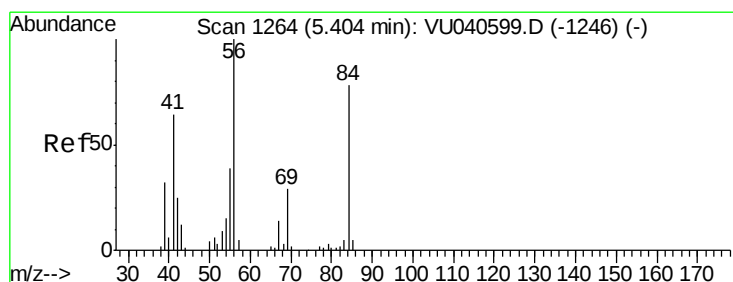
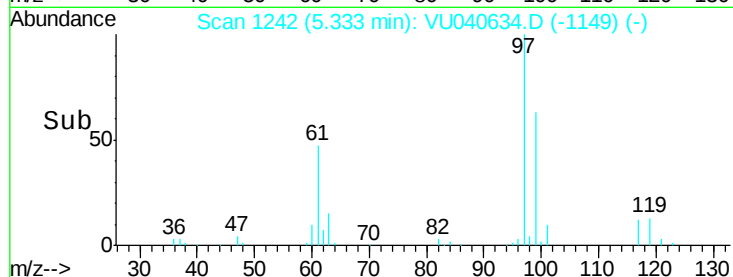
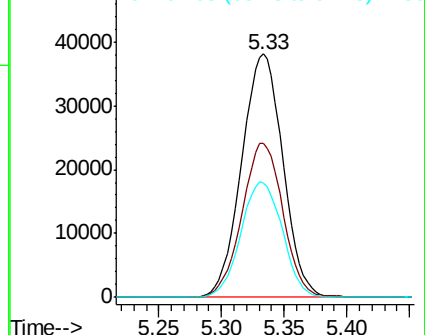


Abundance

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: 4.733 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

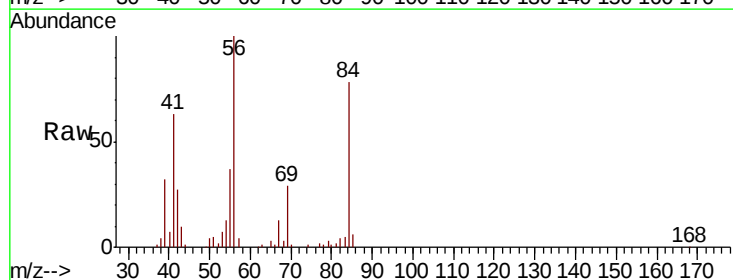
Tgt Ion: 56 Resp: 78795

Ion Ratio Lower Upper

56 100

69 29.0 23.8 35.8

84 79.2 64.0 96.0

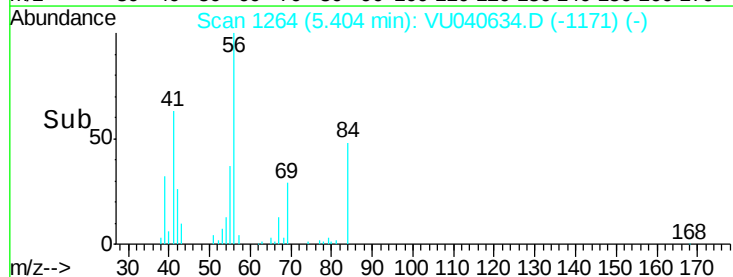
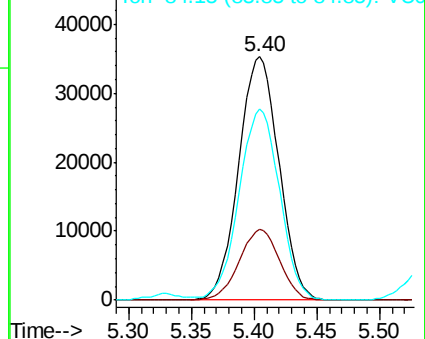


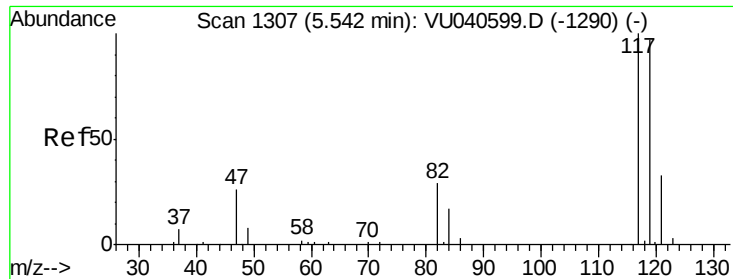
Abundance

Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0

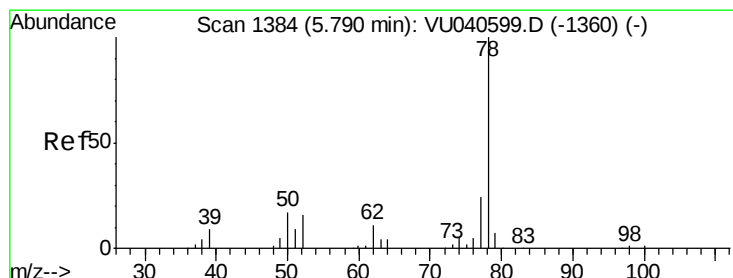
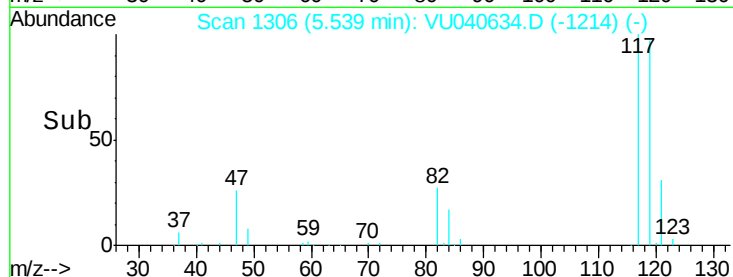
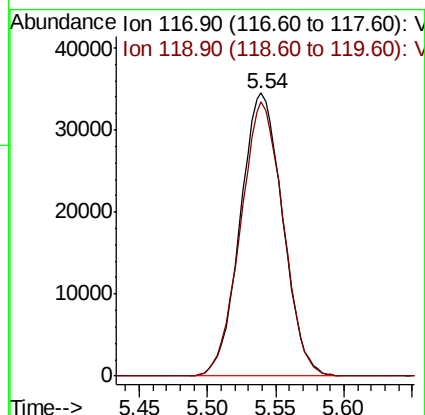
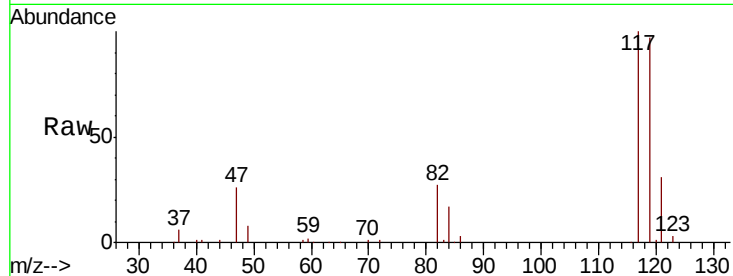




#31
Carbon tetrachloride
Concen: 4.810 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU040634.D
Acq: 10 Oct 2020 14:26

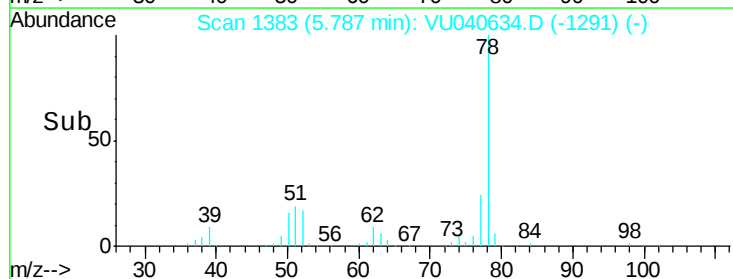
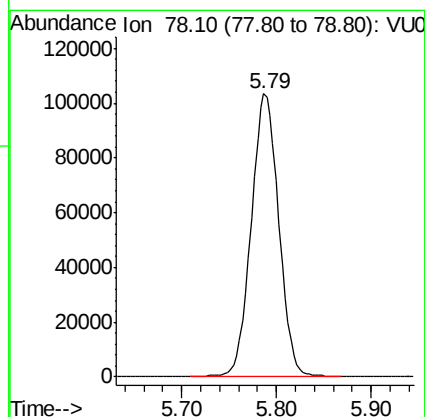
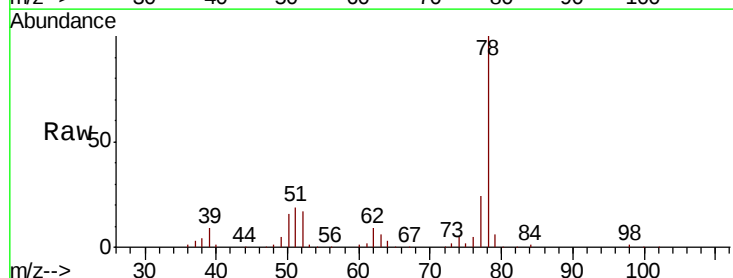
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

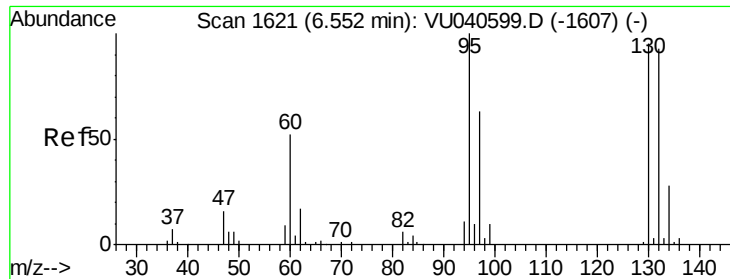
Tot Ion:117 Resp: 74364
Ion Ratio Lower Upper
117 100
119 97.2 76.2 114.2



#33
Benzene
Concen: 4.848 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040634.D
Acq: 10 Oct 2020 14:26

Tgt Ion: 78 Resp: 209374

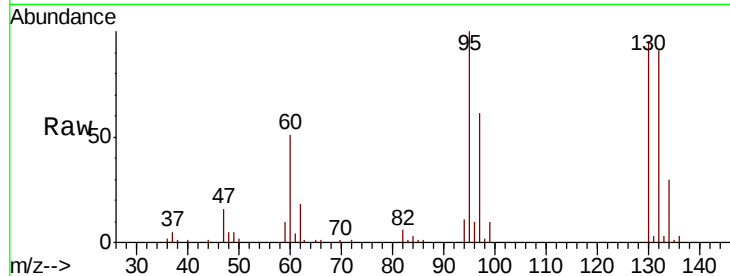




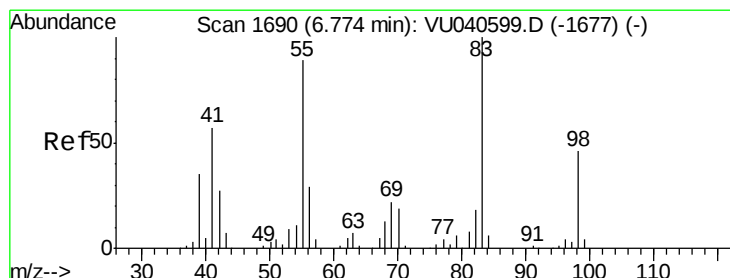
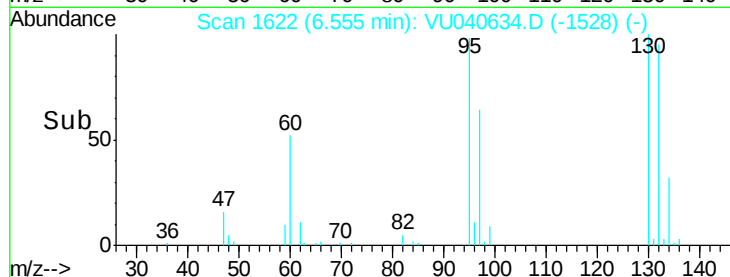
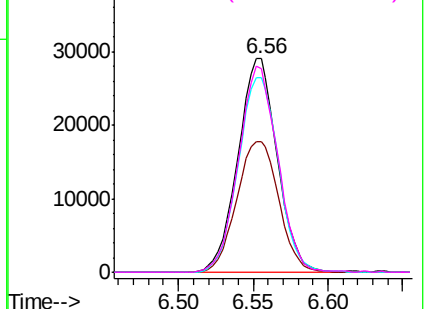
#34
 Trichloroethene
 Concen: 4.732 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040634.D
 Acq: 10 Oct 2020 14:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion: 95 Resp: 52979
 Ion Ratio Lower Upper
 95 100
 97 61.4 45.5 84.5
 132 91.0 67.5 125.4
 130 95.5 69.9 129.9

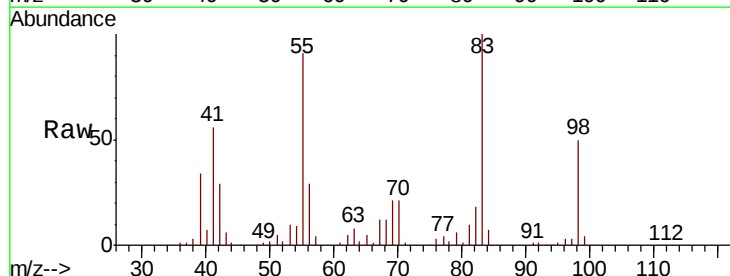


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

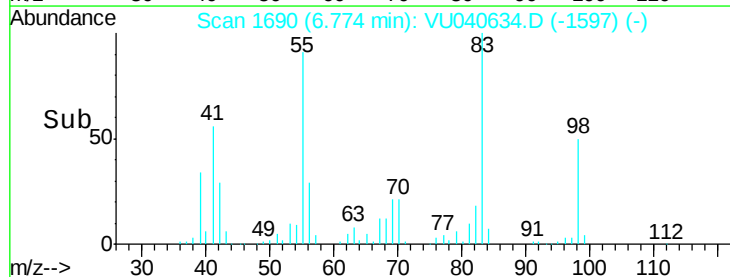
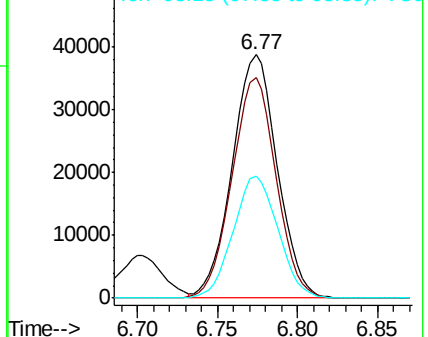


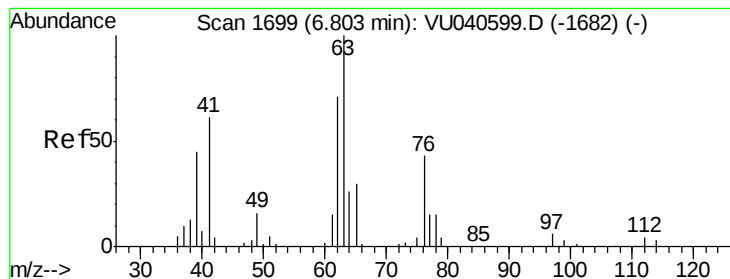
#35
 Methylcyclohexane
 Concen: 4.688 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040634.D
 Acq: 10 Oct 2020 14:26

Tgt Ion: 83 Resp: 74422
 Ion Ratio Lower Upper
 83 100
 55 88.7 70.7 106.1
 98 49.9 38.4 57.6



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: 4.864 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

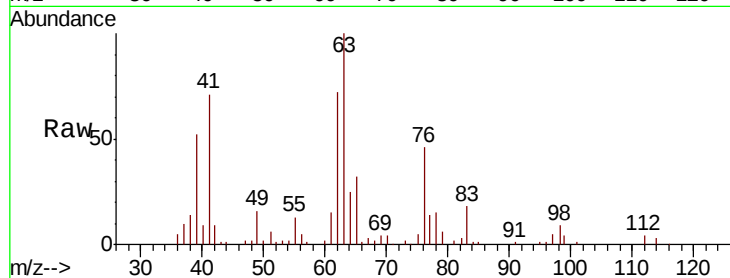
VSTD00526

Tot Ion: 63 Resp: 58533

Ion Ratio Lower Upper

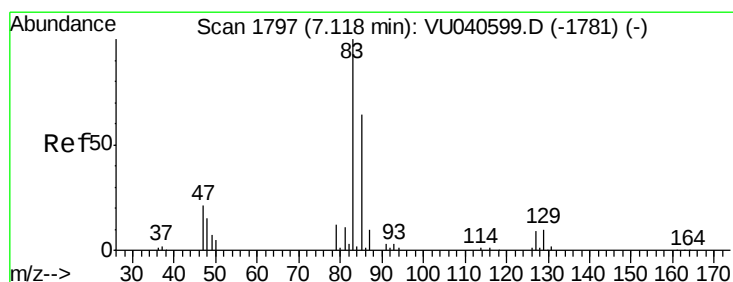
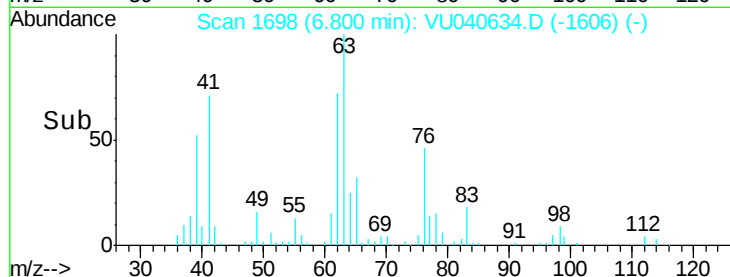
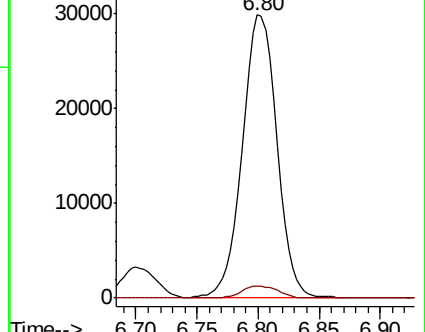
63 100

112 4.4 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU040599.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU040599.D (-1682) (-)



#38

Bromodichloromethane

Concen: 4.855 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

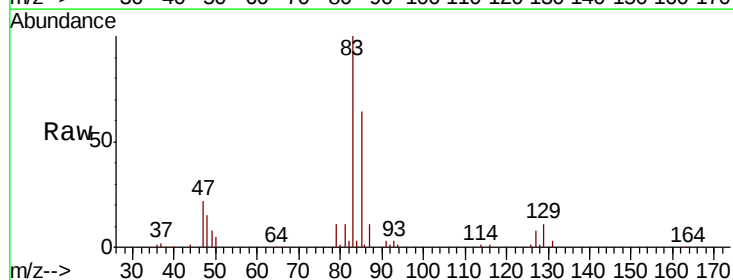
Tgt Ion: 83 Resp: 74693

Ion Ratio Lower Upper

83 100

85 64.3 46.0 85.4

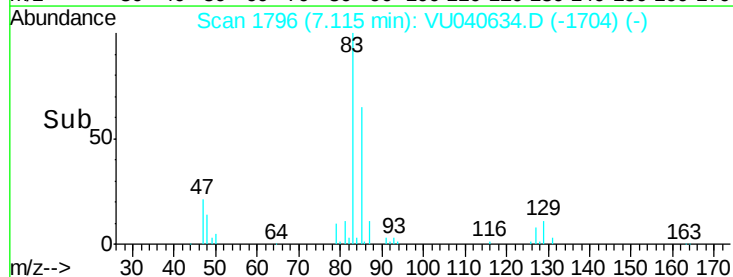
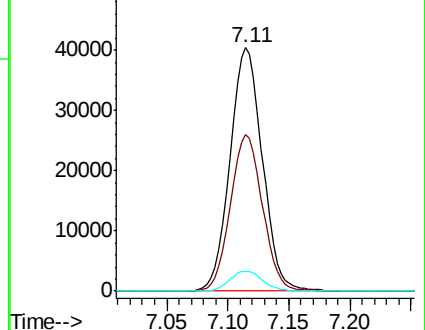
127 8.2 6.7 10.1

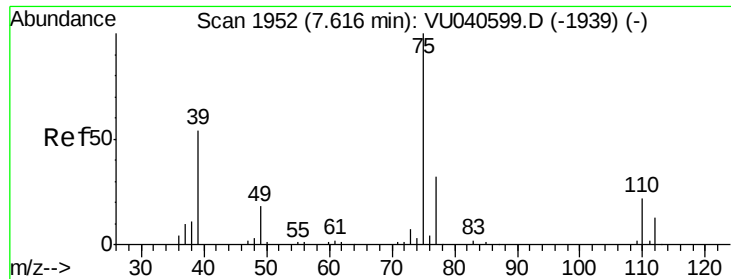


Abundance Ion 82.95 (82.65 to 83.65): VU040599.D (-1781) (-)

Ion 85.00 (84.70 to 85.70): VU040599.D (-1781) (-)

Ion 126.90 (126.60 to 127.60): VU040599.D (-1781) (-)

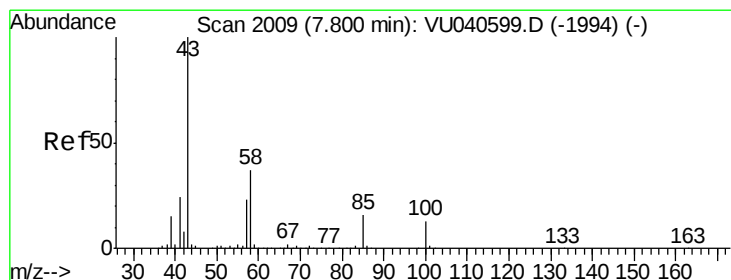
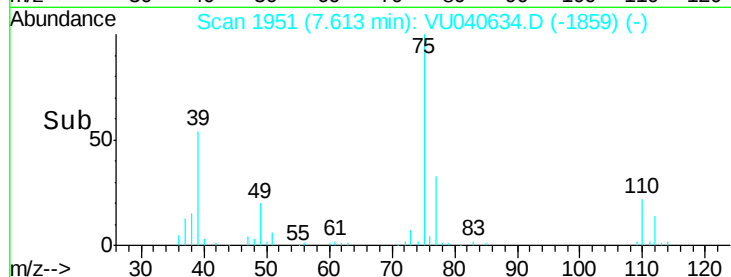
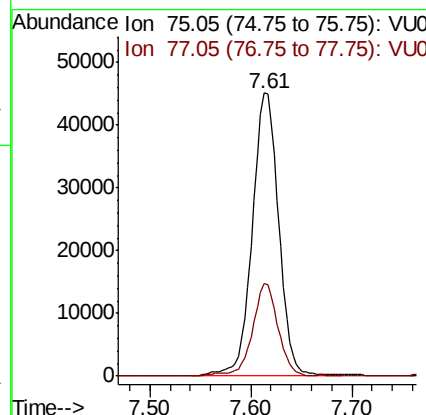
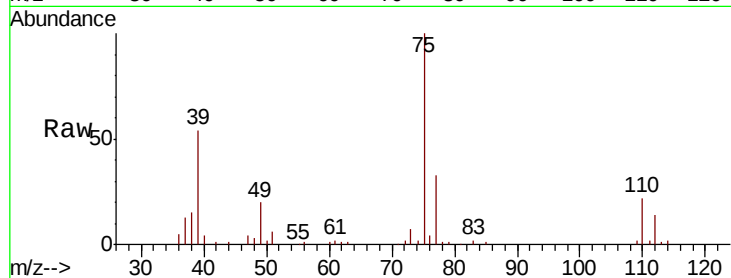




#39
 cis-1,3-Dichloropropene
 Concen: 4.972 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040634.D
 Acq: 10 Oct 2020 14:26

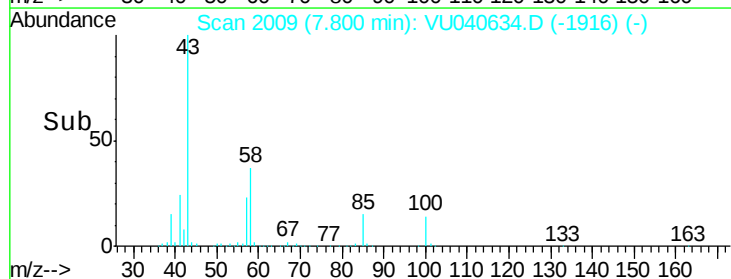
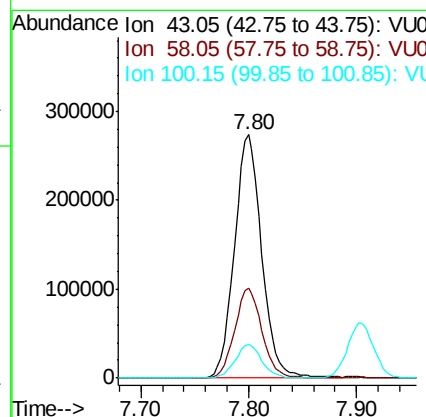
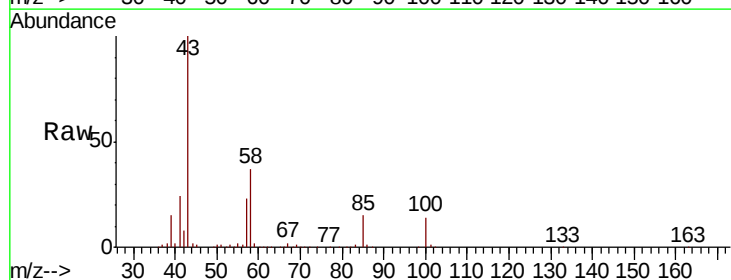
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

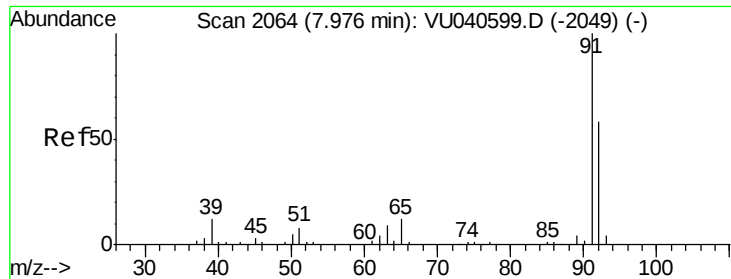
Tot Ion: 75 Resp: 81743
 Ion Ratio Lower Upper
 75 100
 77 32.6 20.5 38.1



#40
 4-Methyl-2-pentanone
 Concen: 50.411 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040634.D
 Acq: 10 Oct 2020 14:26

Tgt Ion: 43 Resp: 483650
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.7 44.5
 100 13.6 10.7 16.1





#42

Toluene

Concen: 4.935 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

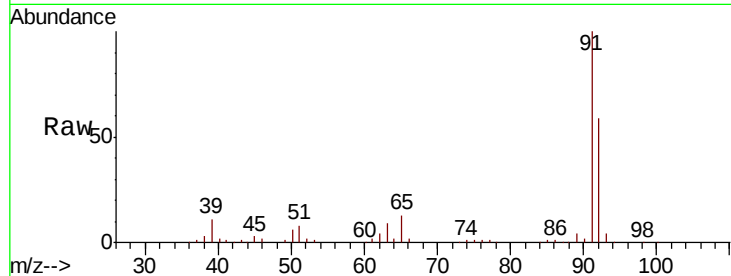
VSTD00526

Tot Ion: 91 Resp: 217200

Ion Ratio Lower Upper

91 100

92 58.5 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040599.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040599.D (-2049) (-)

7.97

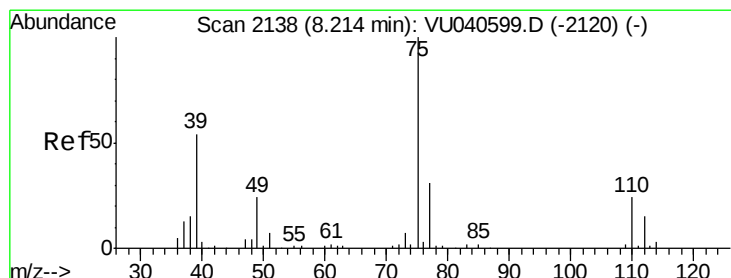
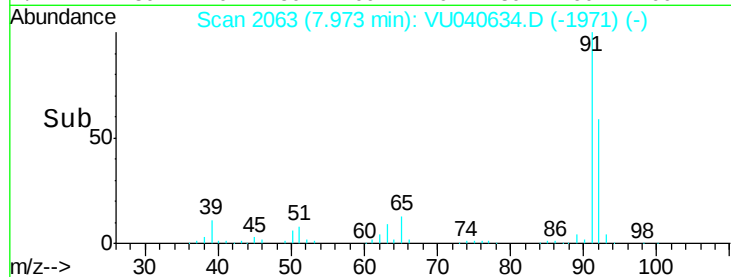
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.024 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040634.D

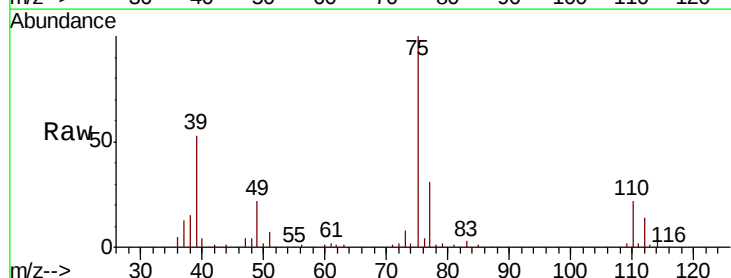
Acq: 10 Oct 2020 14:26

Tgt Ion: 75 Resp: 76050

Ion Ratio Lower Upper

75 100

77 31.1 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040599.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040599.D (-2120) (-)

8.21

50000

40000

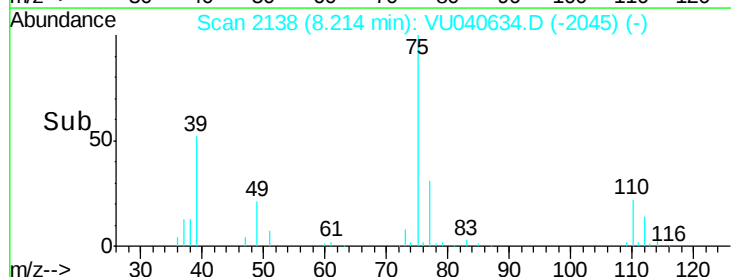
30000

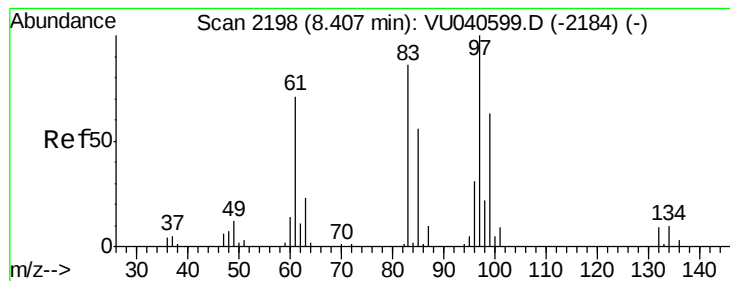
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.884 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

Tot Ion: 97 Resp: 44015

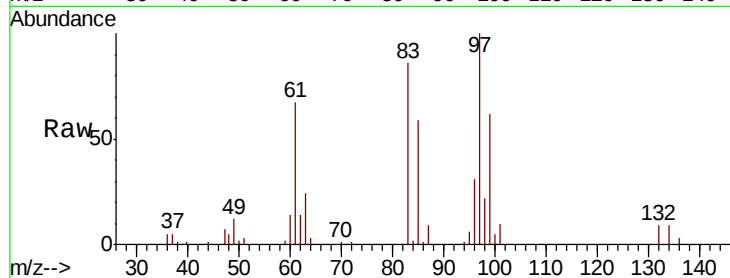
Ion Ratio Lower Upper

97 100

99 62.1 44.0 81.6

83 86.1 62.9 116.9

85 58.6 40.3 74.8

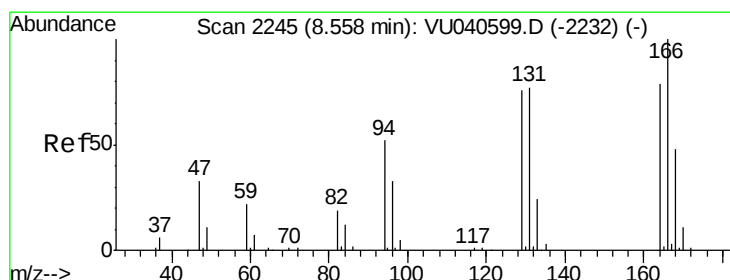
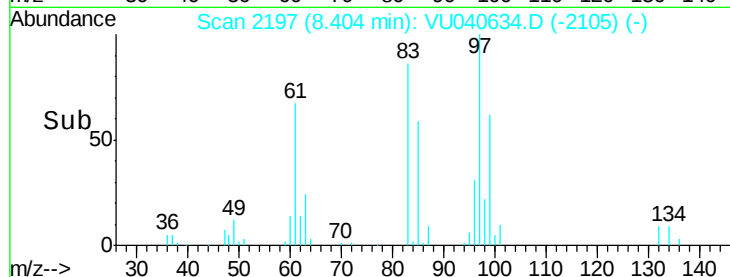
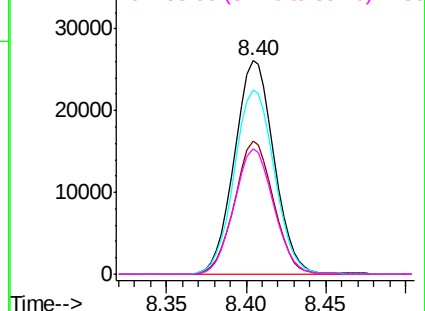


Abundance Ion 96.95 (96.65 to 97.65): VU040599.D (-2184) (-)

Ion 99.05 (98.75 to 99.75): VU040599.D (-2184) (-)

Ion 82.95 (82.65 to 83.65): VU040599.D (-2184) (-)

Ion 85.00 (84.70 to 85.70): VU040599.D (-2184) (-)



#47

Tetrachloroethene

Concen: 4.995 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

Tgt Ion: 164 Resp: 39894

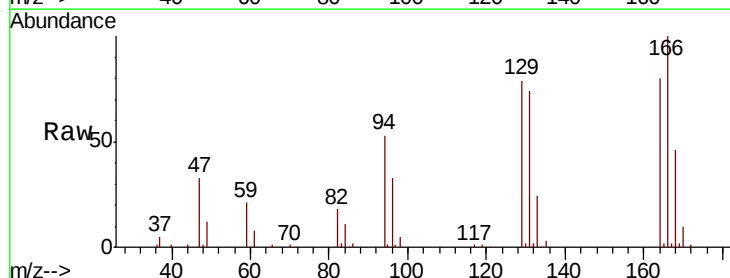
Ion Ratio Lower Upper

164 100

129 99.8 68.8 127.8

131 92.9 66.7 123.9

166 125.8 83.9 155.7

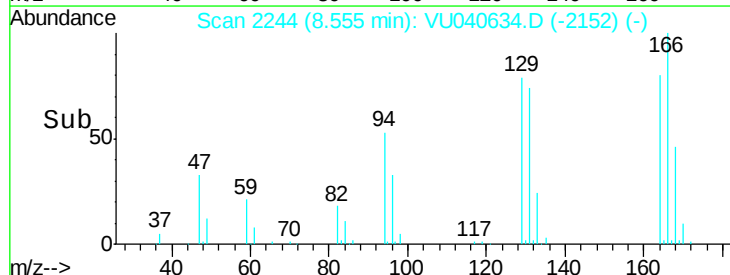
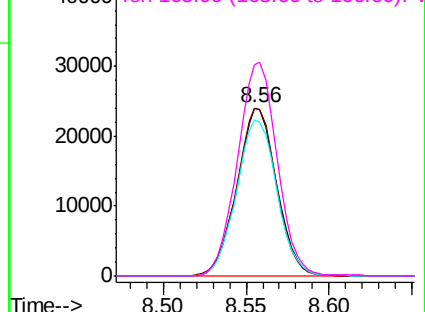


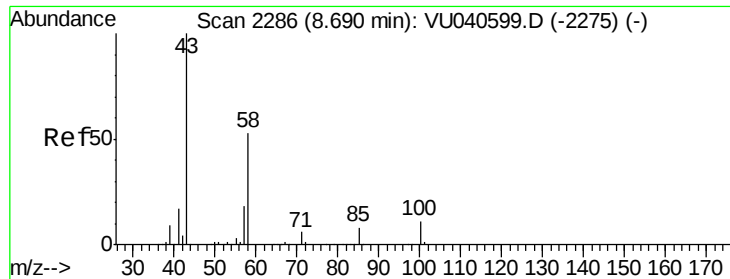
Abundance Ion 163.90 (163.60 to 164.60): VU040599.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU040599.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU040599.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU040599.D (-2232) (-)

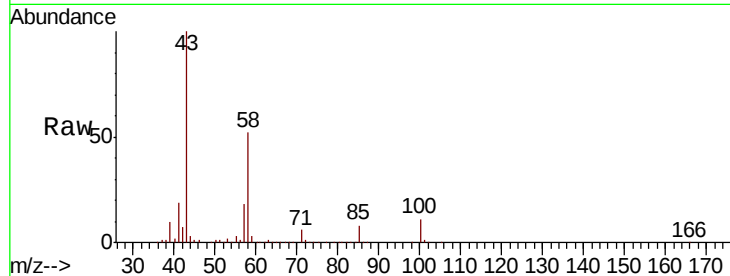




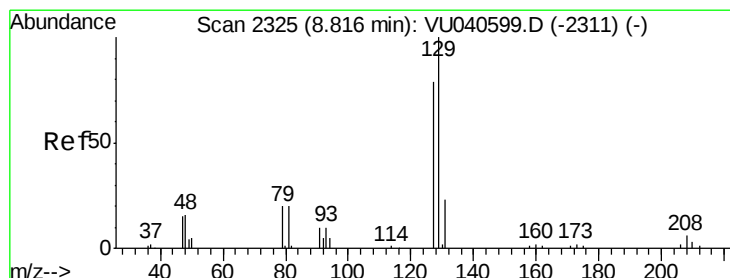
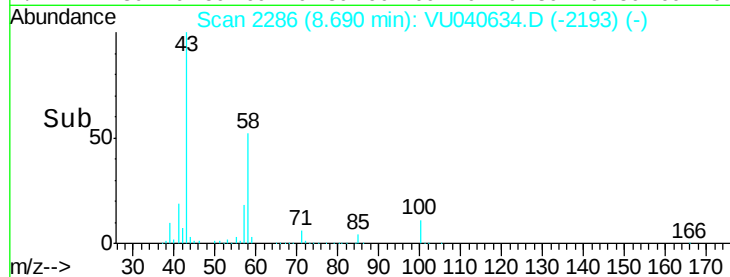
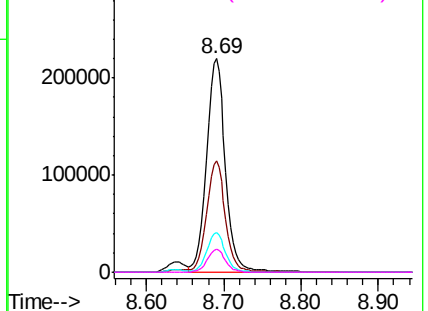
#48
2-Hexanone
Concen: 52.606 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040634.D
Acq: 10 Oct 2020 14:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion: 43 Resp: 375768
Ion Ratio Lower Upper
43 100
58 50.8 41.0 61.6
57 18.0 14.4 21.6
100 10.6 8.6 13.0

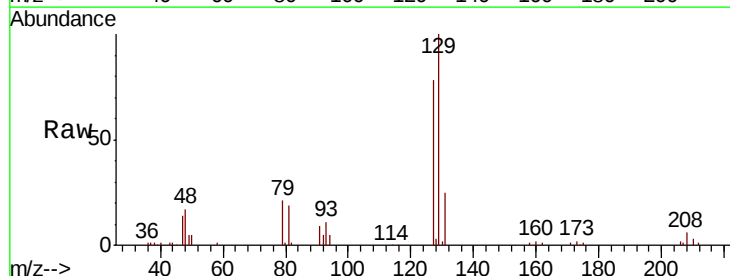


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

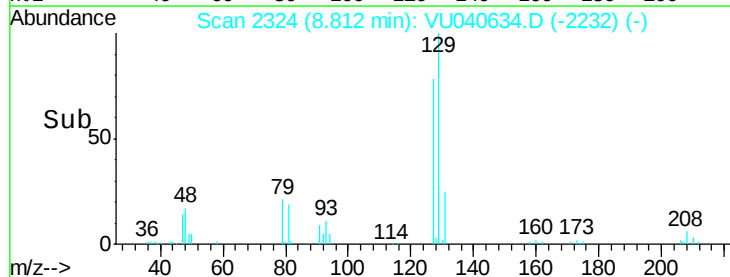
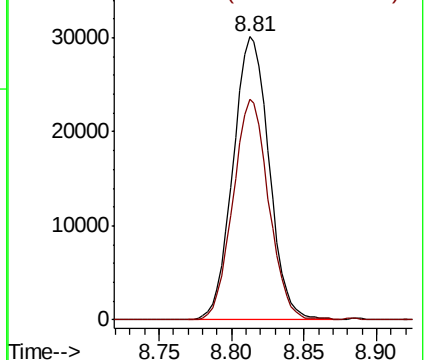


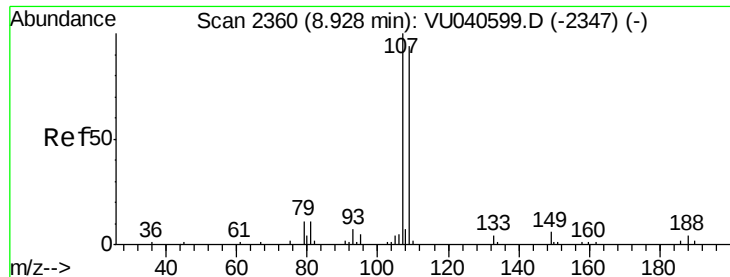
#49
Dibromochloromethane
Concen: 5.016 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040634.D
Acq: 10 Oct 2020 14:26

Tgt Ion: 129 Resp: 52019
Ion Ratio Lower Upper
129 100
127 77.8 55.8 103.6



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

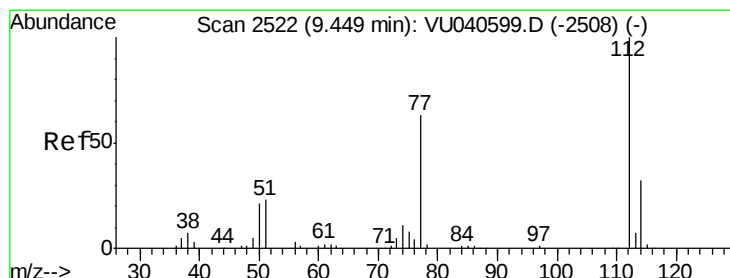
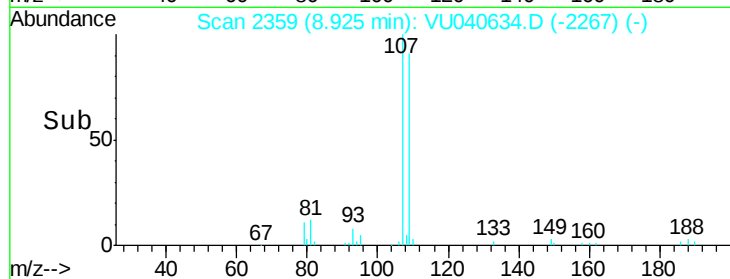
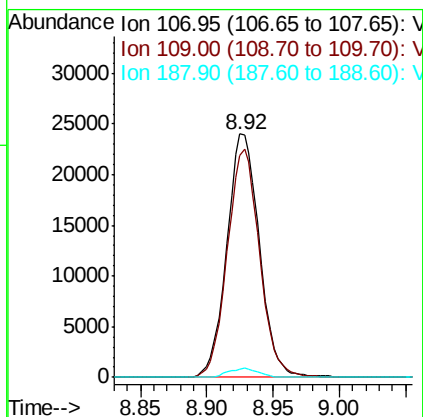
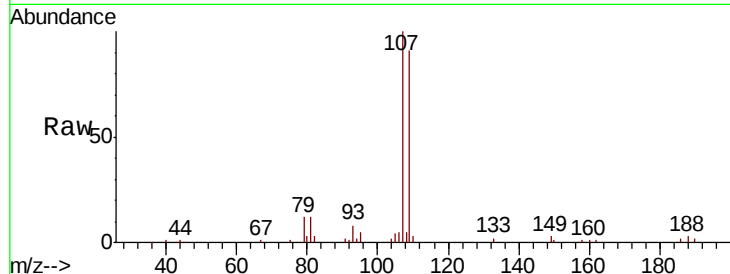




#50
 1,2-Dibromoethane
 Concen: 4.785 ug/L
 RT: 8.92 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU040634.D
 Acq: 10 Oct 2020 14:26

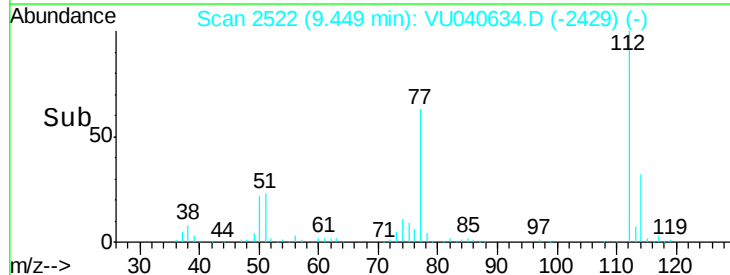
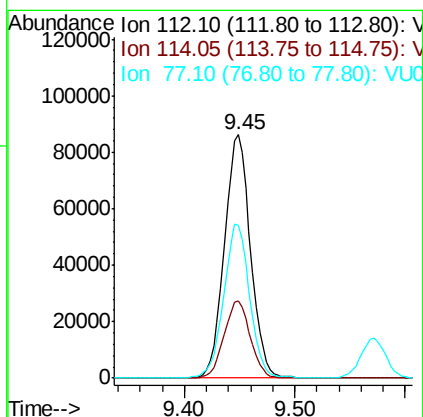
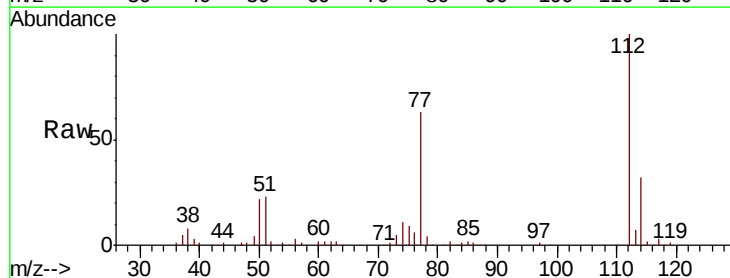
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

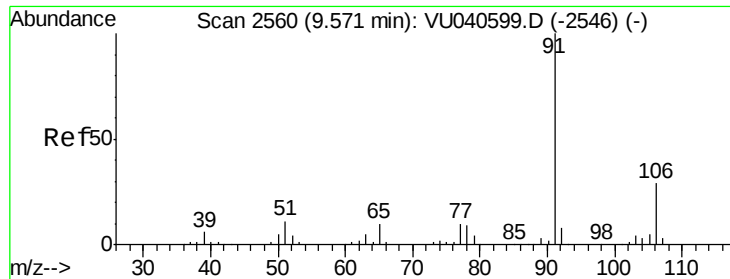
Tot Ion:107 Resp: 40913
 Ion Ratio Lower Upper
 107 100
 109 91.4 65.7 121.9
 188 3.4 3.0 4.4



#51
 Chlorobenzene
 Concen: 4.869 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040634.D
 Acq: 10 Oct 2020 14:26

Tgt Ion:112 Resp: 141144
 Ion Ratio Lower Upper
 112 100
 114 31.6 23.1 42.9
 77 62.8 50.3 75.5





#52

Ethylbenzene

Concen: 4.929 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

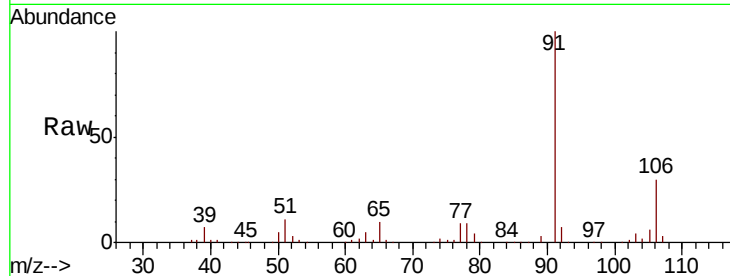
VSTD00526

Tot Ion: 91 Resp: 234750

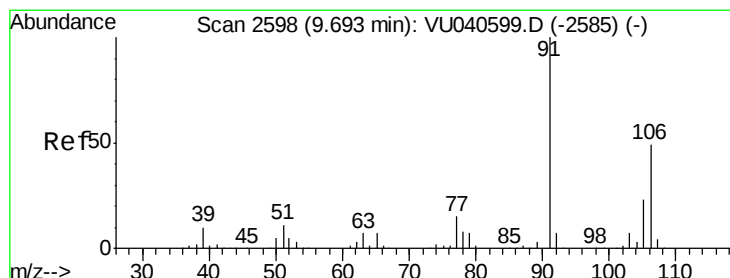
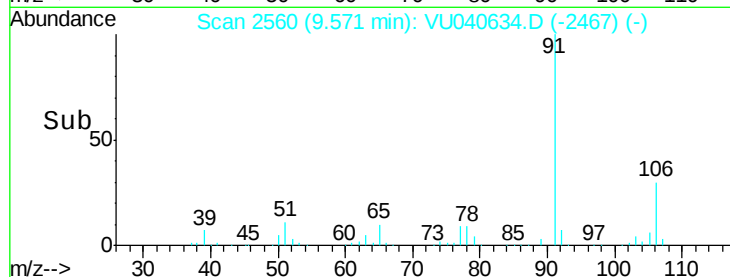
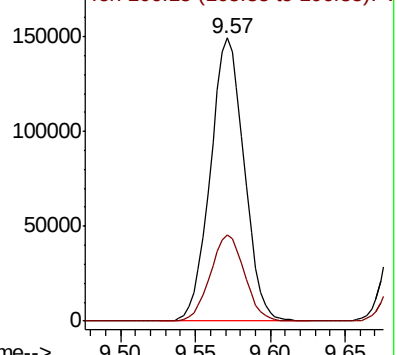
Ion Ratio Lower Upper

91 100

106 30.3 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040634.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.218 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040634.D

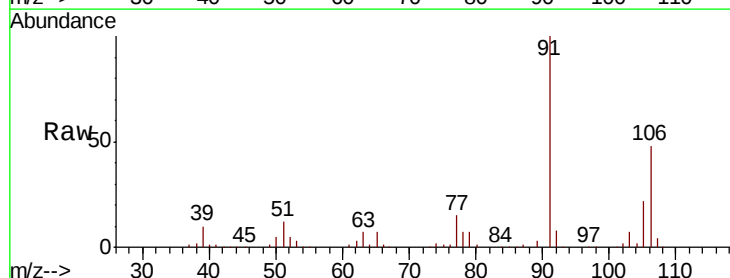
Acq: 10 Oct 2020 14:26

Tgt Ion: 106 Resp: 90600

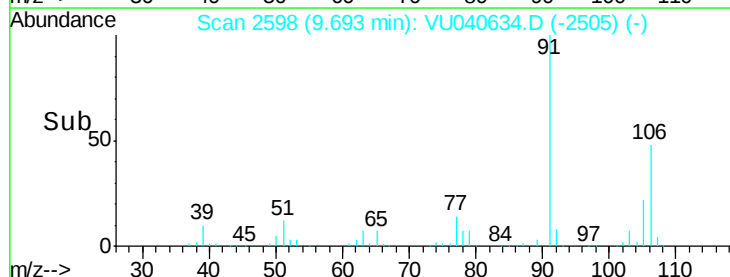
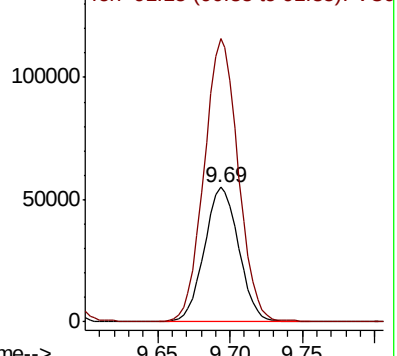
Ion Ratio Lower Upper

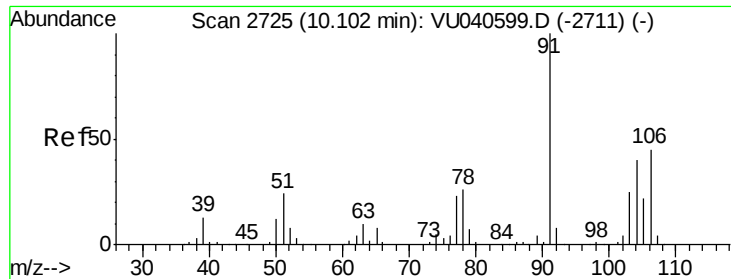
106 100

91 210.3 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040634.D (-2598) (-)

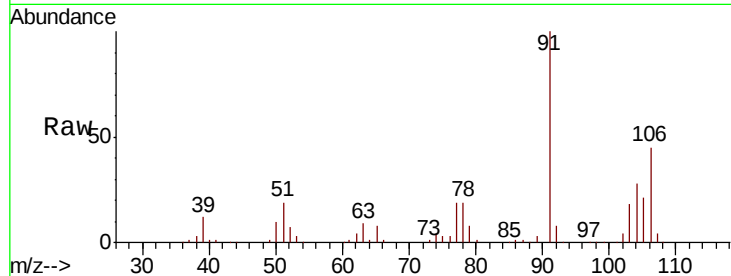




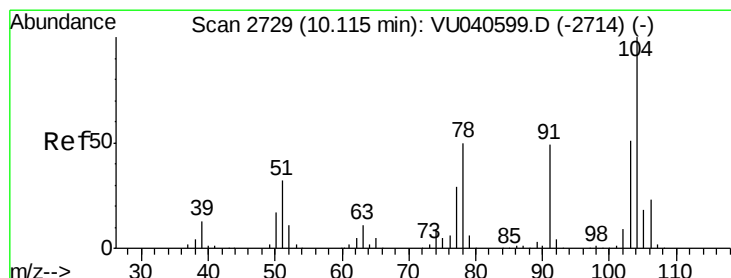
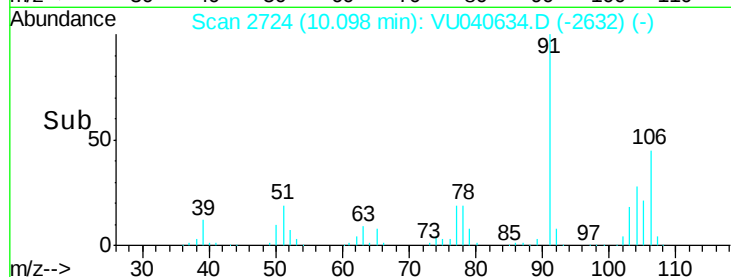
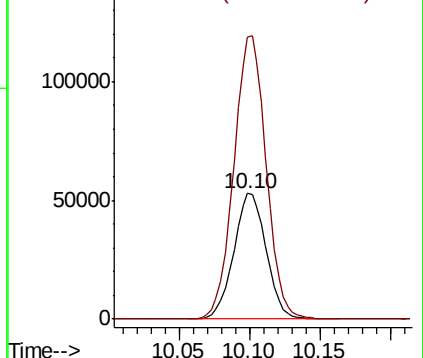
#54
o-Xylene
Concen: 5.083 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040634.D
Acq: 10 Oct 2020 14:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion:106 Resp: 84867
Ion Ratio Lower Upper
106 100
91 224.5 160.2 297.4

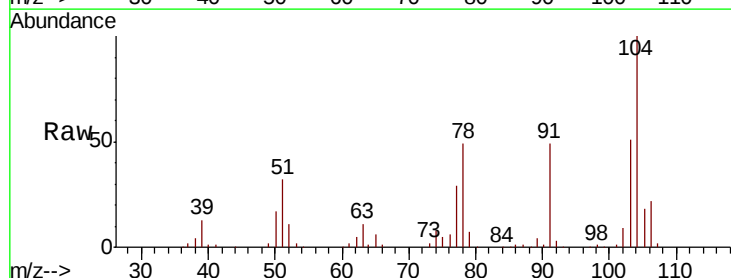


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

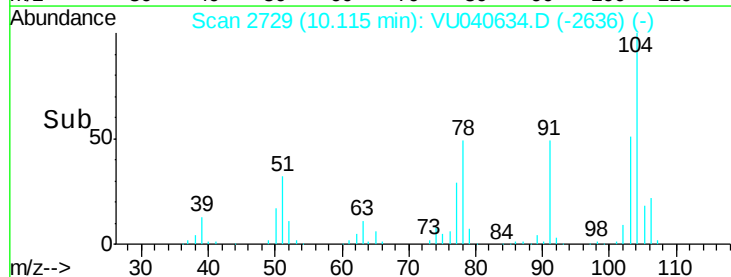
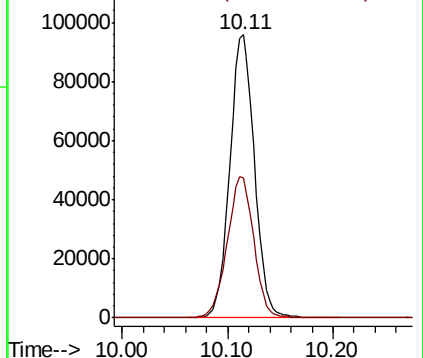


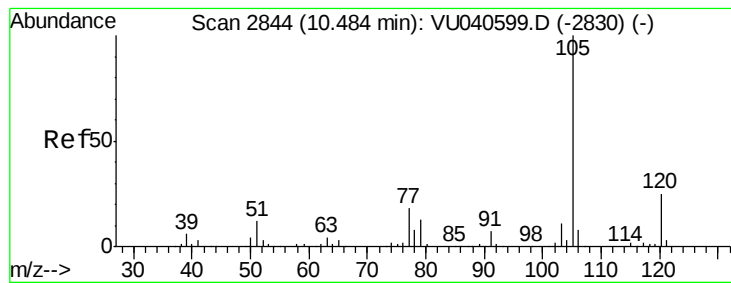
#55
Styrene
Concen: 5.333 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040634.D
Acq: 10 Oct 2020 14:26

Tgt Ion:104 Resp: 154626
Ion Ratio Lower Upper
104 100
78 49.3 34.6 64.3



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





#56

Isopropylbenzene

Concen: 5.100 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

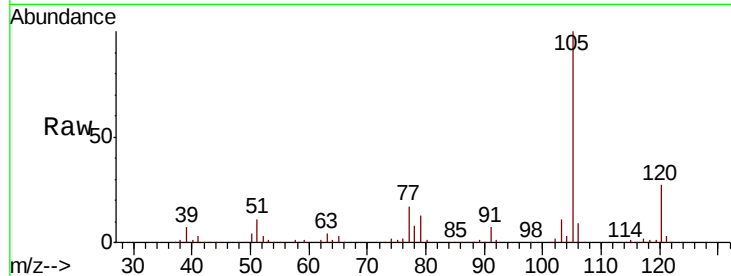
Tot Ion:105 Resp: 229224

Ion Ratio Lower Upper

105 100

120 26.6 20.6 30.8

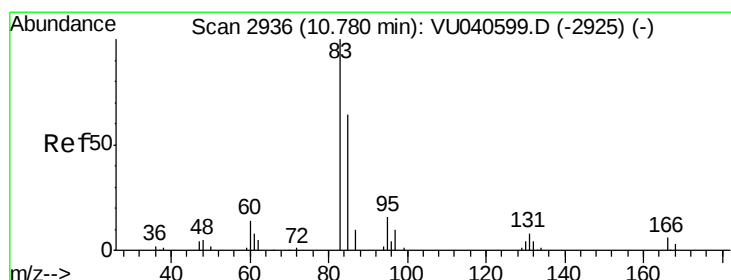
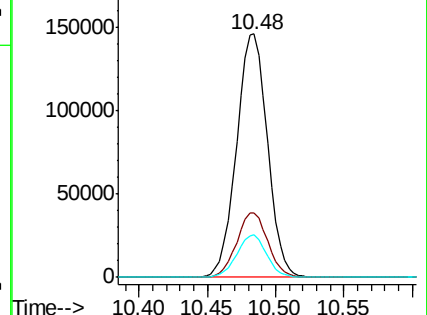
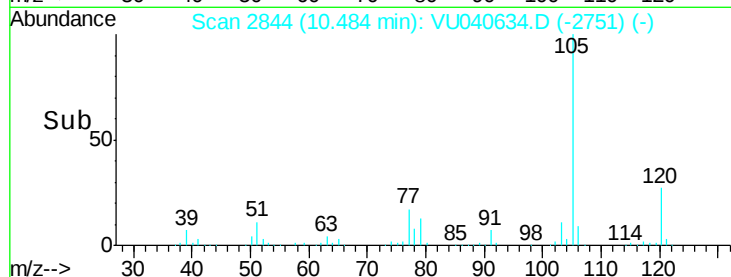
77 16.8 13.8 20.6



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: 4.910 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

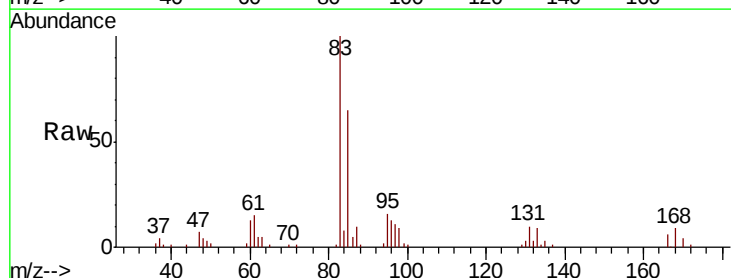
Tgt Ion: 83 Resp: 58101

Ion Ratio Lower Upper

83 100

85 64.5 45.6 84.6

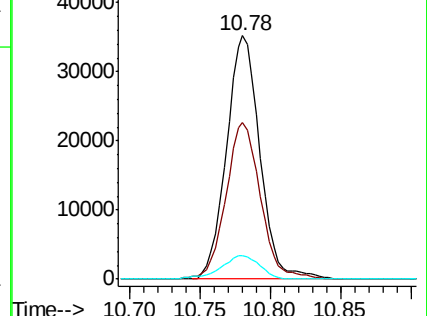
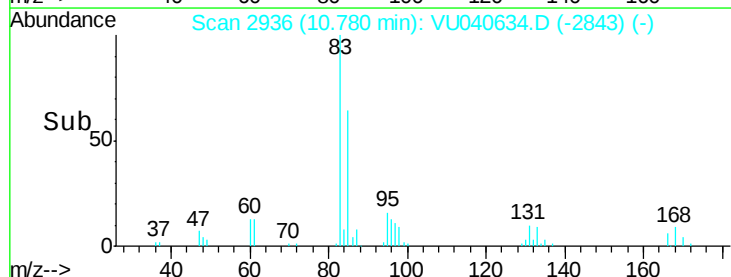
131 9.8 7.1 10.7

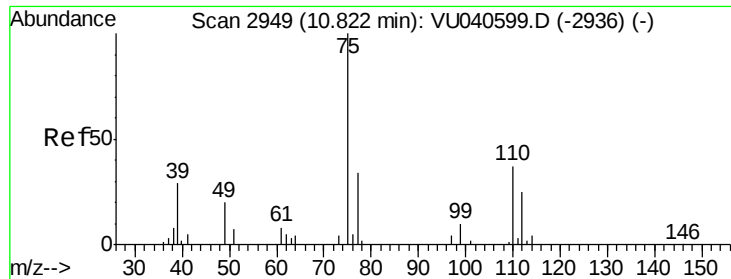


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

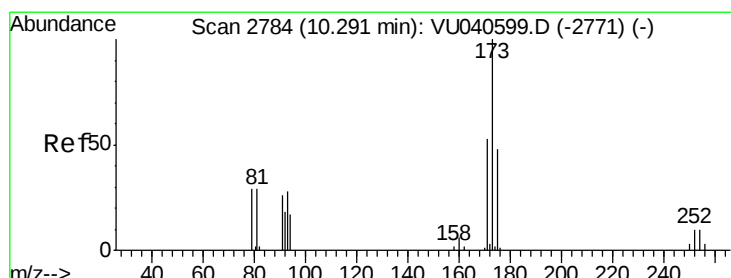
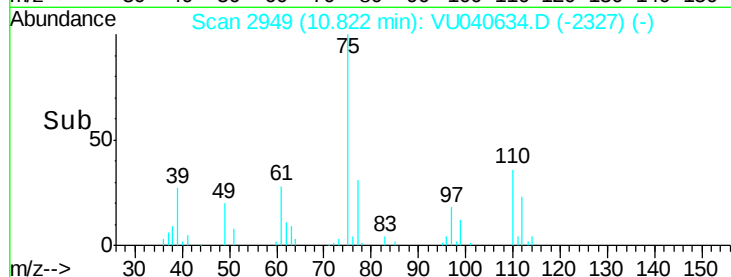
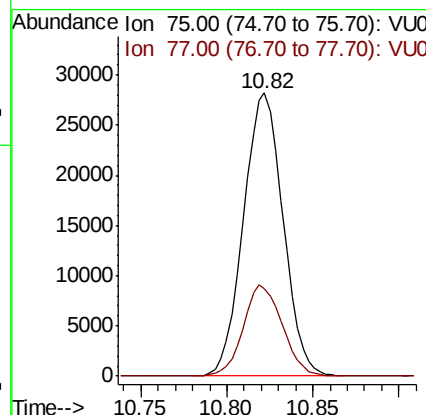
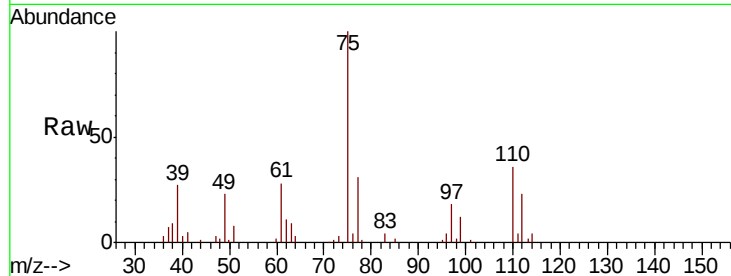




#59
 1,2,3-Trichloropropane
 Concen: 5.104 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU040634.D
 Acq: 10 Oct 2020 14:26

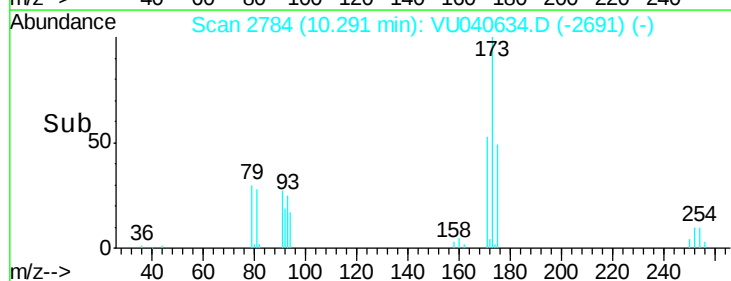
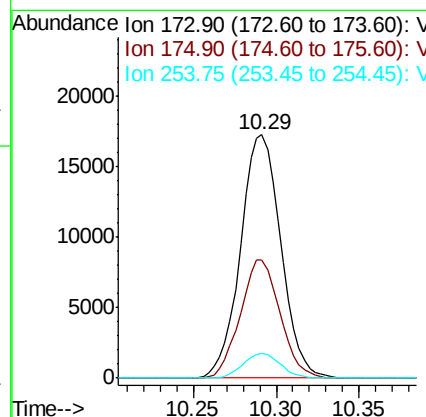
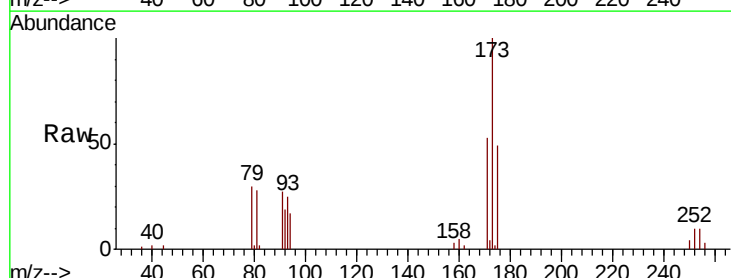
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

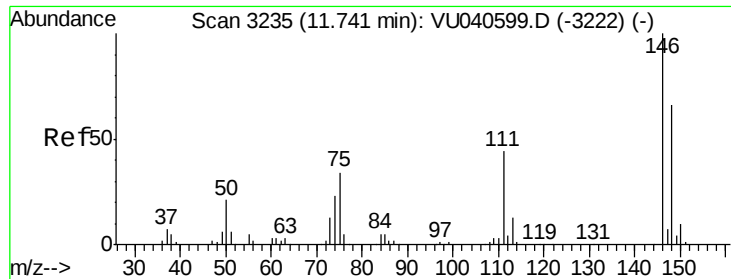
Tot Ion: 75 Resp: 45118
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.4 39.6



#61
 Bromoform
 Concen: 4.657 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040634.D
 Acq: 10 Oct 2020 14:26

Tgt Ion: 173 Resp: 29235
 Ion Ratio Lower Upper
 173 100
 175 47.6 37.4 56.0
 254 9.2 7.4 11.2

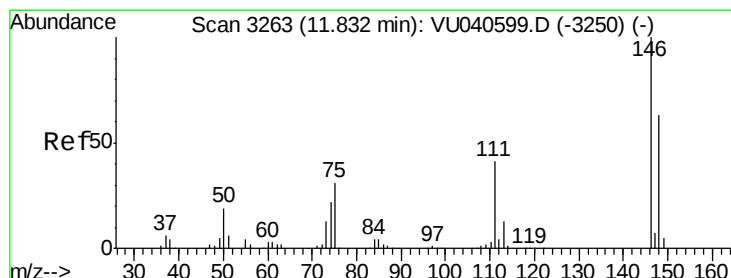
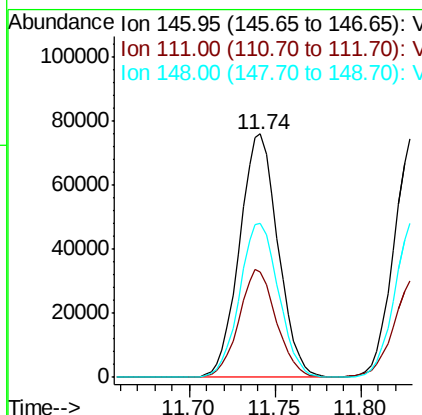
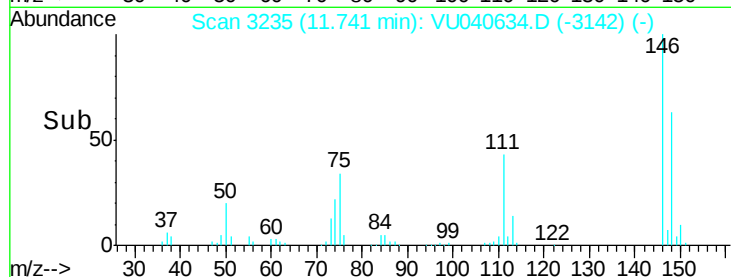
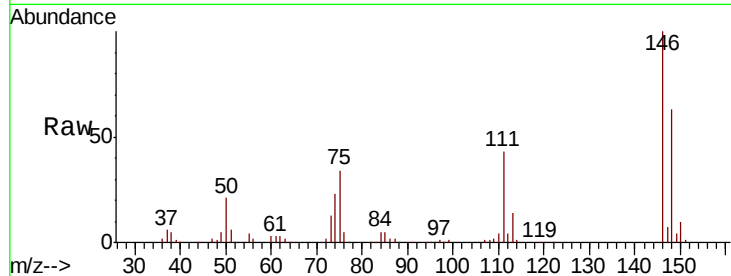




#62
 1,3-Dichlorobenzene
 Concen: 4.922 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040634.D
 Acq: 10 Oct 2020 14:26

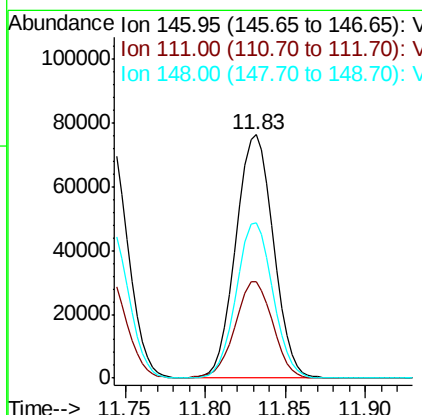
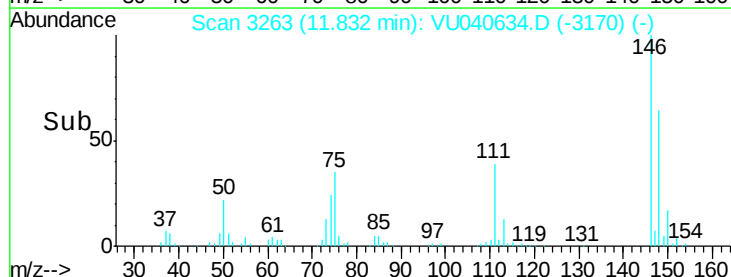
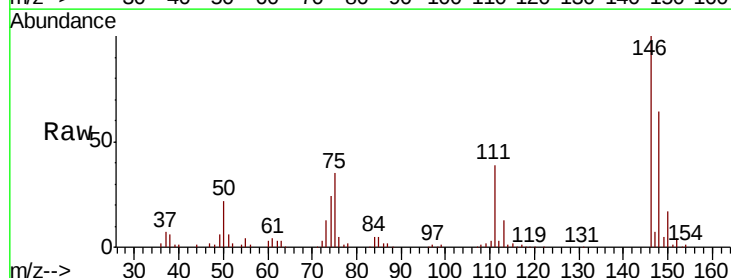
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

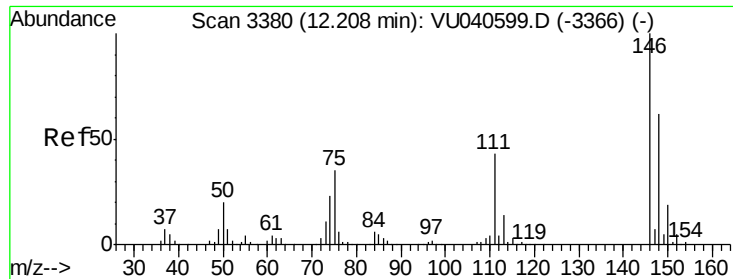
Tot Ion:146 Resp: 117980
 Ion Ratio Lower Upper
 146 100
 111 43.4 28.8 53.6
 148 63.4 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 4.943 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040634.D
 Acq: 10 Oct 2020 14:26

Tgt Ion:146 Resp: 122170
 Ion Ratio Lower Upper
 146 100
 111 39.4 28.4 52.8
 148 63.7 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 4.826 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

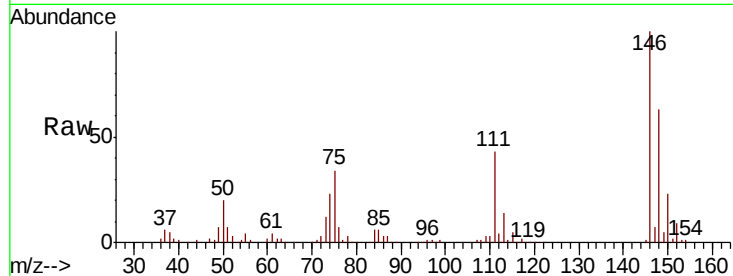
Tot Ion:146 Resp: 113074

Ion Ratio Lower Upper

146 100

111 43.3 34.4 51.6

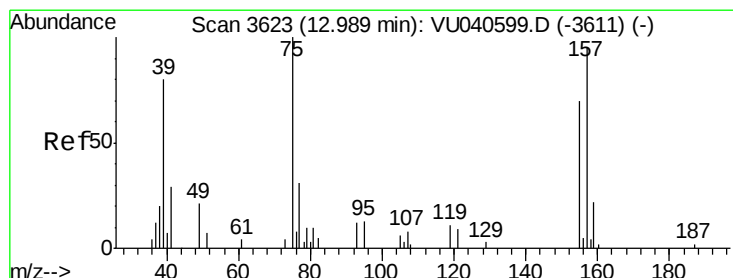
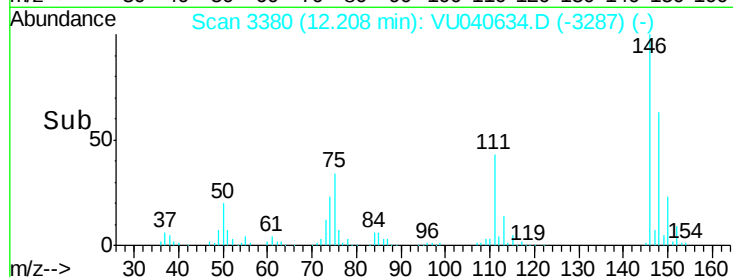
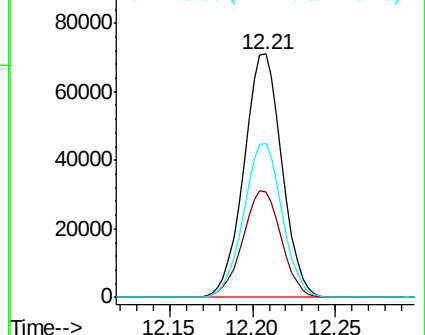
148 63.1 50.0 75.0



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: 4.695 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

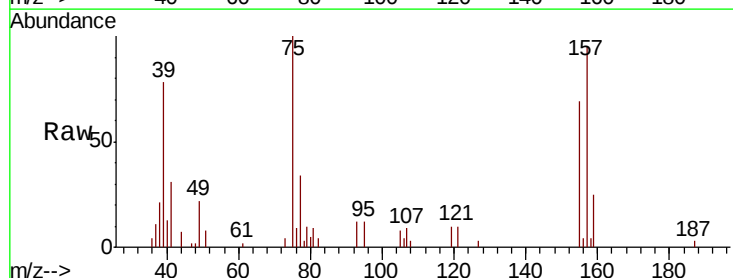
Tgt Ion: 75 Resp: 9634

Ion Ratio Lower Upper

75 100

155 69.1 53.8 80.6

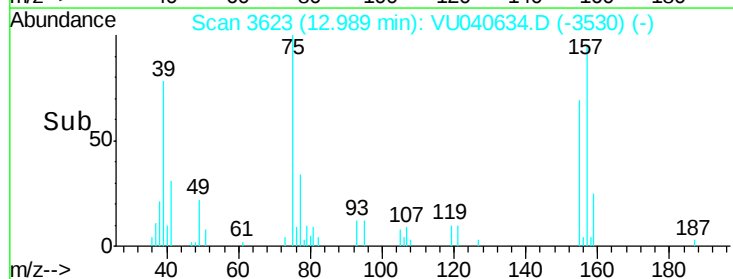
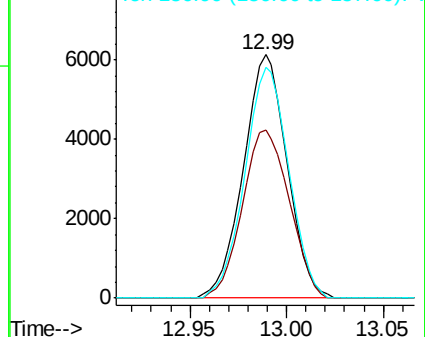
157 94.5 74.6 112.0

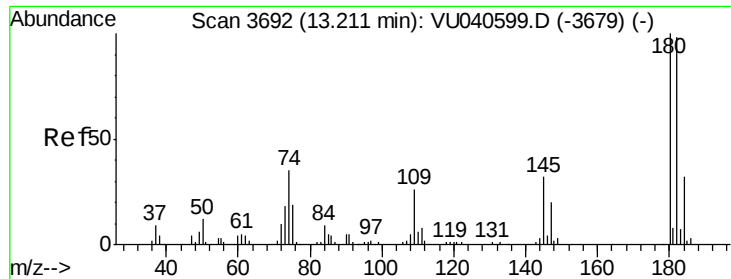


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

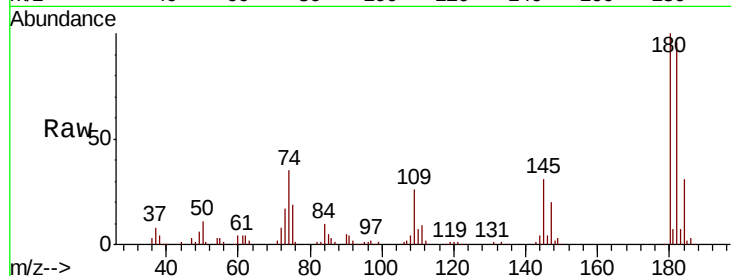




#67
 1,3,5-Trichlorobenzene
 Concen: 4.887 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040634.D
 Acq: 10 Oct 2020 14:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.0	115.4
184	30.7	24.5	36.7
145	31.1	25.9	38.9



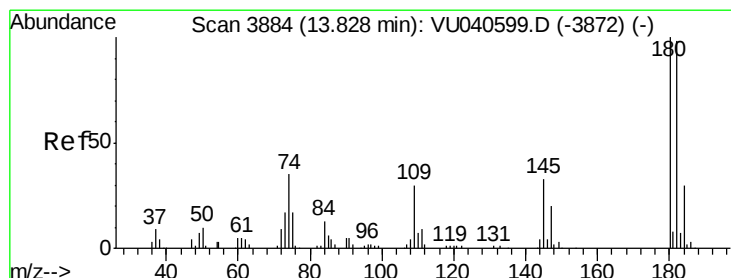
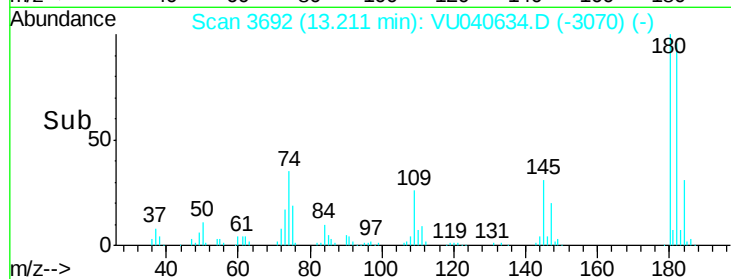
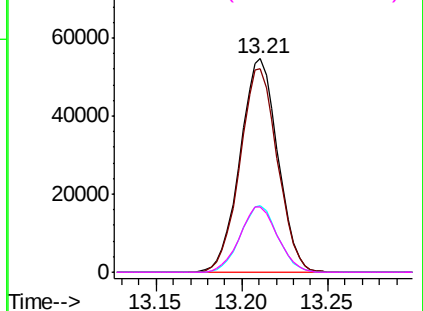
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

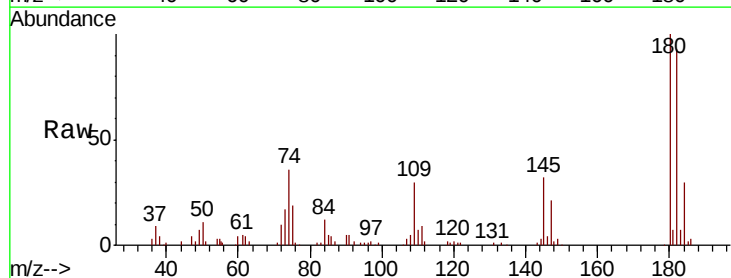
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.069 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040634.D
 Acq: 10 Oct 2020 14:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	78.8	118.2
145	32.1	26.1	39.1

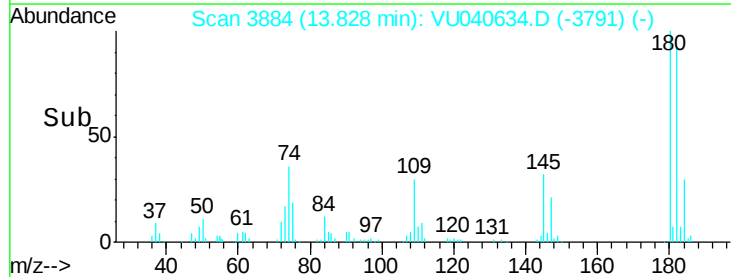
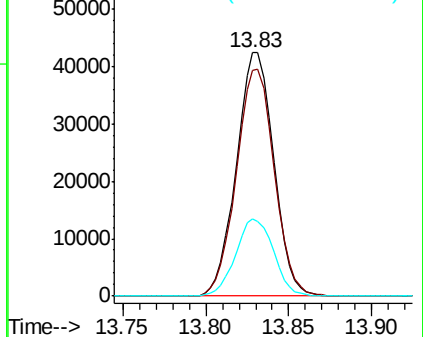


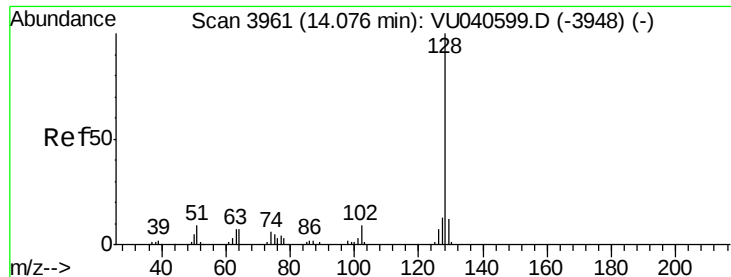
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.271 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

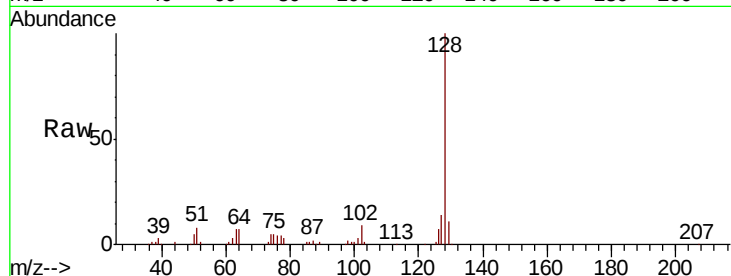
Tot Ion:128 Resp: 113292

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

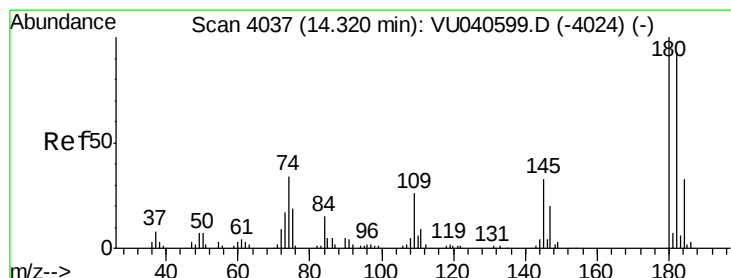
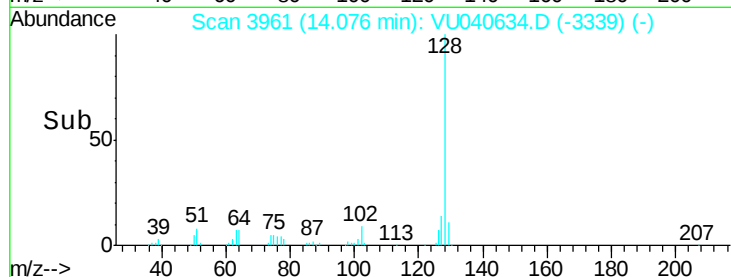
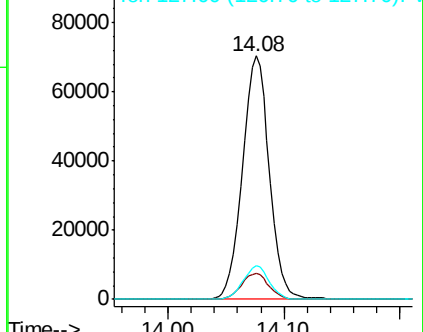
127 13.4 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.162 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040634.D

Acq: 10 Oct 2020 14:26

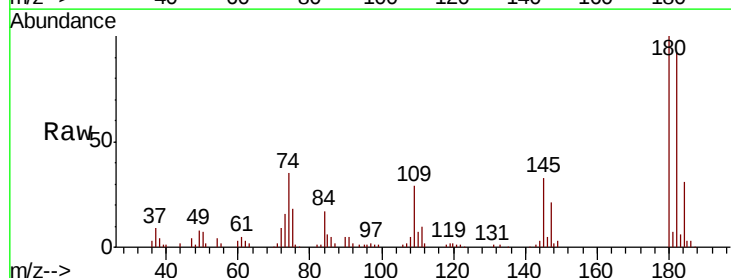
Tgt Ion:180 Resp: 62990

Ion Ratio Lower Upper

180 100

182 95.8 75.8 113.8

145 33.1 27.4 41.2



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

