

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090220\
 Data File : VU040017.D
 Acq On : 02 Sep 2020 11:23
 Operator : SY/MD
 Sample : MDL02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 03 01:18:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 03 01:16:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	110590	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	111711	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51654	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27699	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.92	69	24482	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.58	63	49227	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.65	46	122421	50.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.38%
24) Chloroform-d	5.08	84	66062	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.72	65	42736	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.75	84	125611	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.70	67	41087	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.91	98	106265	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	8.19	79	17546	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.64	63	92495	49.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.90%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	36635	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	41489	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	1954	0.178 ug/L	92
3) Chloromethane	1.53	50	2497	0.238 ug/L	96
5) Vinyl chloride	1.61	62	2482	0.233 ug/L #	71
6) Bromomethane	1.86	94	1339	0.246 ug/L	98
8) Chloroethane	1.94	64	1515	0.237 ug/L	91
9) Trichlorofluoromethane	2.15	101	3009	0.197 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2286	0.231 ug/L	89
12) 1,1-Dichloroethene	2.59	96	2110	0.247 ug/L #	1
13) Acetone	2.66	43	4882	2.184 ug/L	95
14) Carbon disulfide	2.81	76	5711	0.208 ug/L	100
16) Methylene chloride	3.06	84	3761	0.336 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	5015	0.194 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	1693	0.184 ug/L	84
19) 1,1-Dichloroethane	3.89	63	3793	0.200 ug/L	95
21) 2-Butanone	4.73	43	6405	1.755 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	2020	0.204 ug/L	90
23) Bromochloromethane	5.00	128	833	0.192 ug/L #	66

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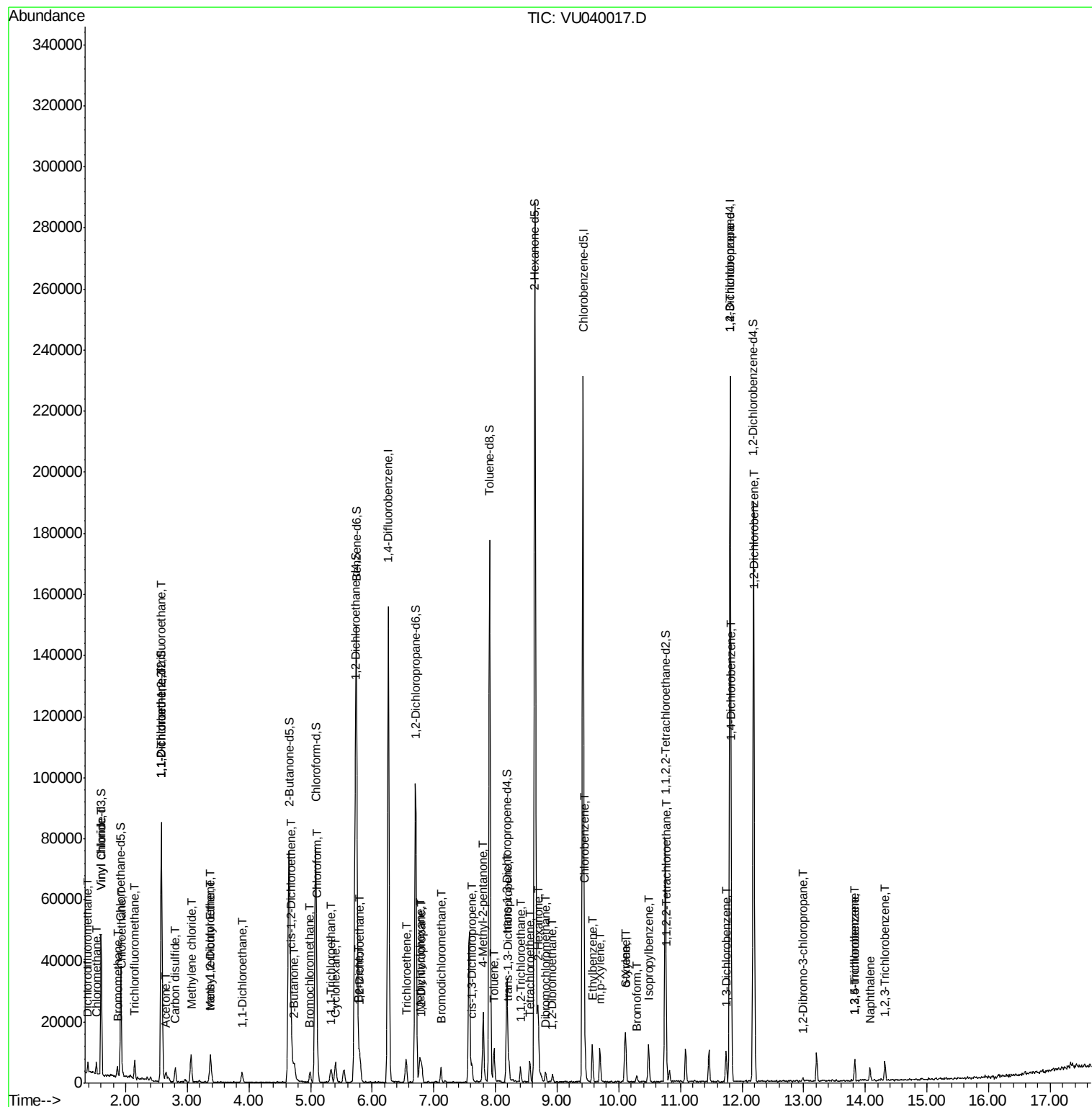
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.11	83	6749	0.348	ug/L	96
27) 1,2-Dichloroethane	5.80	62	2977	0.209	ug/L #	94
29) 1,1,1-Trichloroethane	5.33	97	2258	0.129	ug/L #	64
30) Cyclohexane	5.40	56	3064	0.180	ug/L	95
33) Benzene	5.79	78	7736	0.194	ug/L	100
34) Trichloroethene	6.55	95	1786	0.167	ug/L	92
35) Methylcyclohexane	6.77	83	2729	0.166	ug/L	95
37) 1,2-Dichloropropane	6.80	63	1977	0.183	ug/L #	91
38) Bromodichloromethane	7.12	83	2716	0.184	ug/L	82
39) cis-1,3-Dichloropropene	7.61	75	3107	0.195	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	16117	1.815	ug/L #	87
42) Toluene	7.98	91	7909	0.192	ug/L	94
44) trans-1,3-Dichloropropene	8.21	75	3495	0.236	ug/L #	48
45) 1,1,2-Trichloroethane	8.41	97	1492	0.189	ug/L	85
47) Tetrachloroethene	8.56	164	1277	0.181	ug/L	87
48) 2-Hexanone	8.69	43	14949	2.308	ug/L	99
49) Dibromochloromethane	8.82	129	1753	0.185	ug/L	88
50) 1,2-Dibromoethane	8.93	107	1329	0.175	ug/L #	96
51) Chlorobenzene	9.45	112	4979	0.195	ug/L	95
52) Ethylbenzene	9.57	91	8035	0.172	ug/L	98
53) m,p-Xylene	9.69	106	2845	0.171	ug/L	82
54) o-Xylene	10.11	106	2728	0.172	ug/L	82
55) Styrene	10.11	104	4806	0.174	ug/L	92
56) Isopropylbenzene	10.48	105	7498	0.173	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.78	83	1987	0.197	ug/L	89
59) 1,2,3-Trichloropropane	11.81	75	10157	1.267	ug/L	95
61) Bromoform	10.29	173	928	0.196	ug/L #	87
62) 1,3-Dichlorobenzene	11.74	146	3939	0.209	ug/L	92
63) 1,4-Dichlorobenzene	11.83	146	4071	0.213	ug/L	95
65) 1,2-Dichlorobenzene	12.20	146	3569	0.195	ug/L #	89
66) 1,2-Dibromo-3-chloropropan	12.99	75	240	0.123	ug/L #	69
67) 1,3,5-Trichlorobenzene	13.83	180	2018	0.152	ug/L	95
68) 1,2,4-trichlorobenzene	13.83	180	2018	0.176	ug/L	96
69) Naphthalene	14.08	128	3429	0.144	ug/L #	88
70) 1,2,3-Trichlorobenzene	14.32	180	1620	0.154	ug/L	89

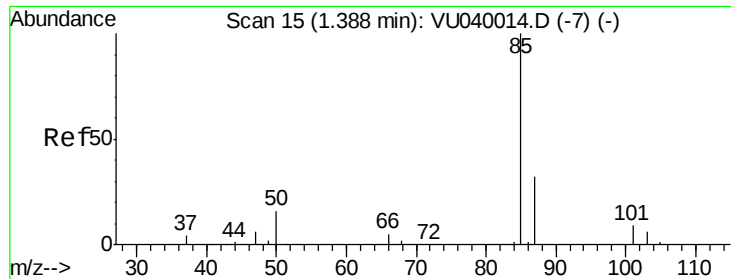
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.178 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

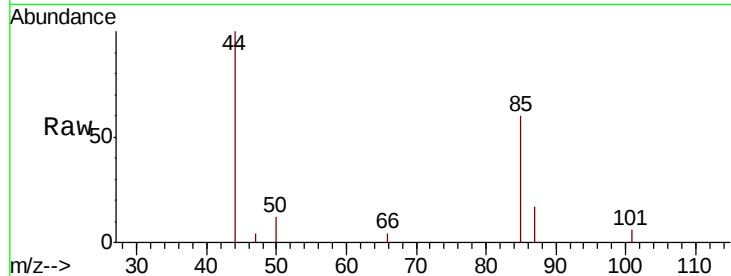
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85.00 Resp: 1954

Ion Ratio Lower Upper

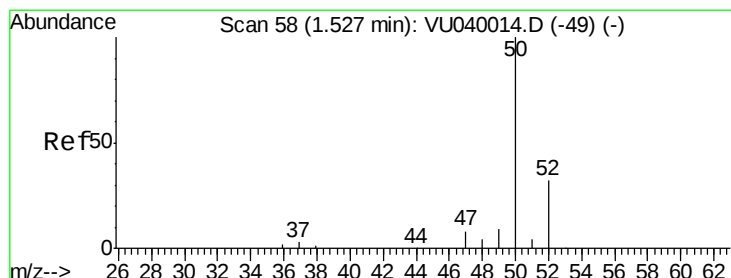
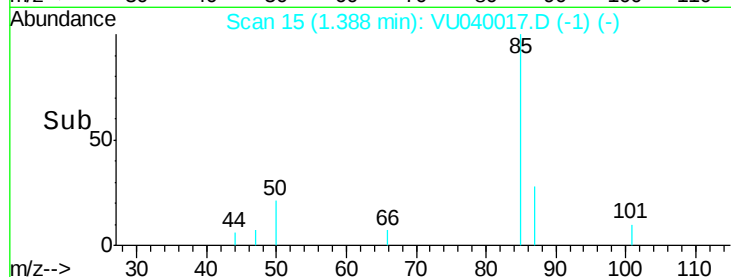
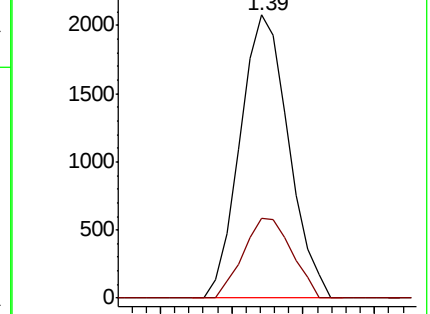
85 100

87 28.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.238 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040017.D

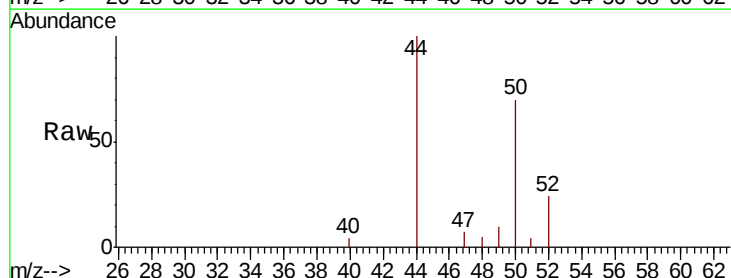
Acq: 02 Sep 2020 11:23

Tgt Ion: 50 Resp: 2497

Ion Ratio Lower Upper

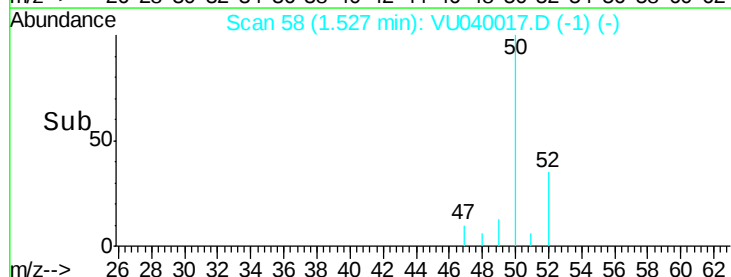
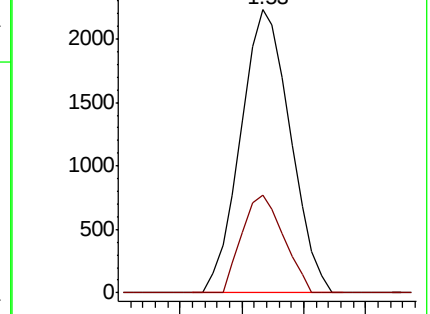
50 100

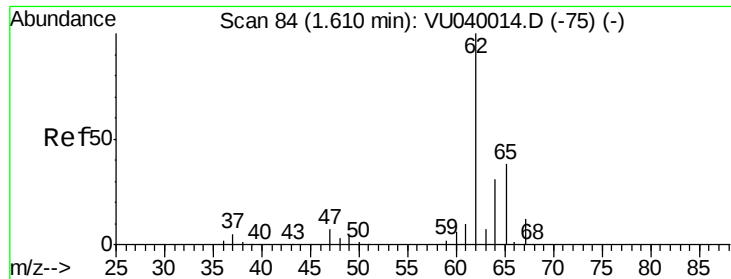
52 34.7 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.233 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

MSVOA_U

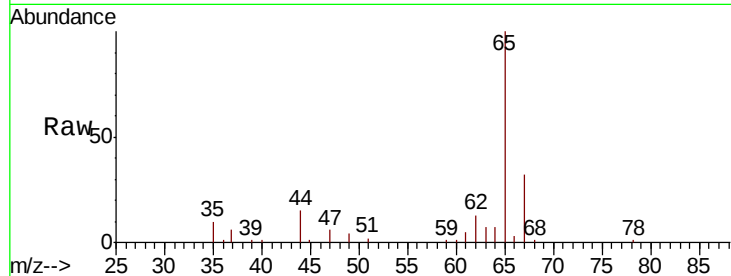
ClientSampled :

Tot Ion: 62 Resp: 2482

Ion Ratio Lower Upper

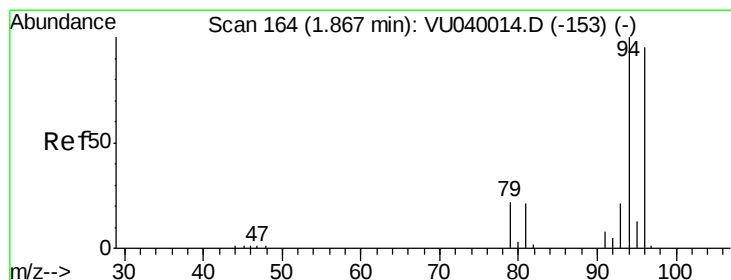
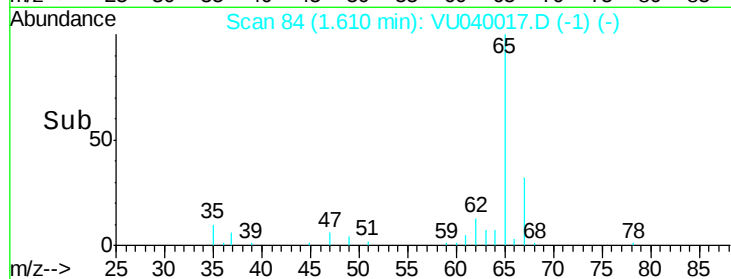
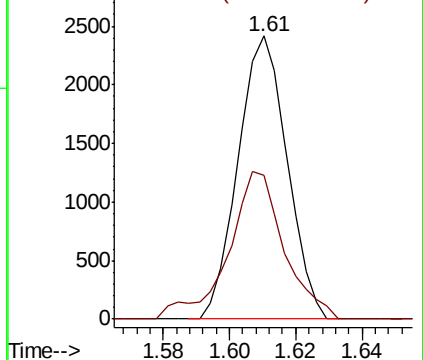
62 100

64 50.6 23.9 44.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.246 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040017.D

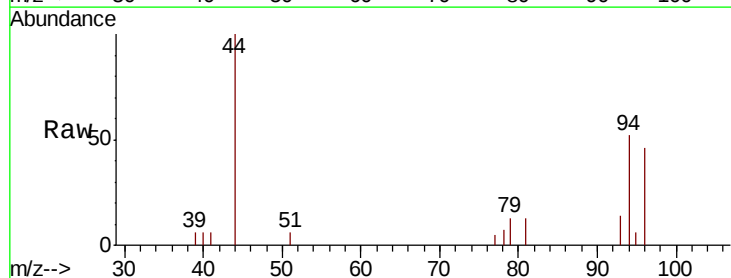
Acq: 02 Sep 2020 11:23

Tgt Ion: 94 Resp: 1339

Ion Ratio Lower Upper

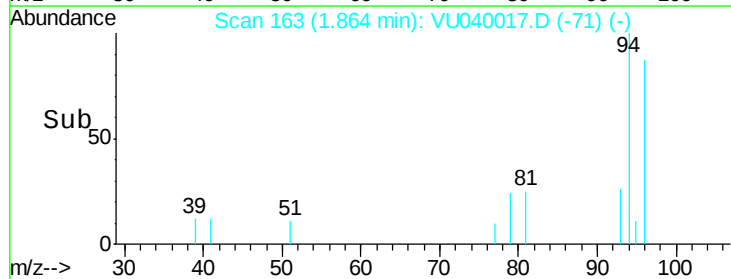
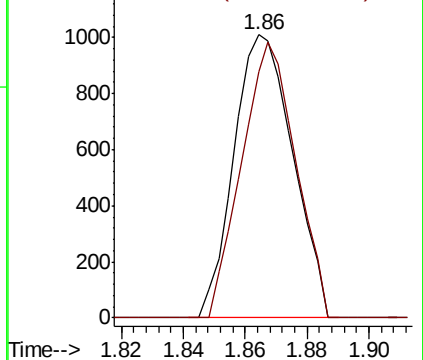
94 100

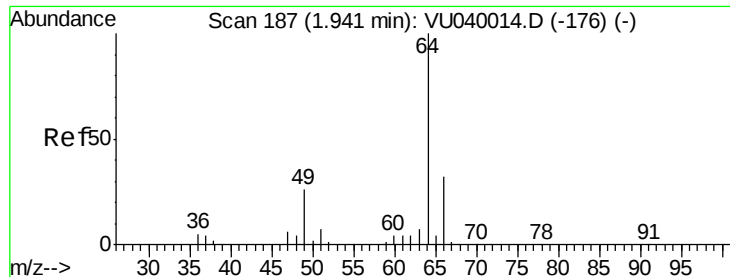
96 87.1 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.237 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

MSVOA_U

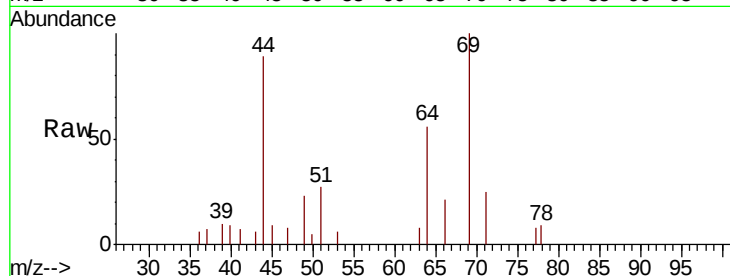
ClientSampleId :

Tot Ion: 64 Resp: 1515

Ion Ratio Lower Upper

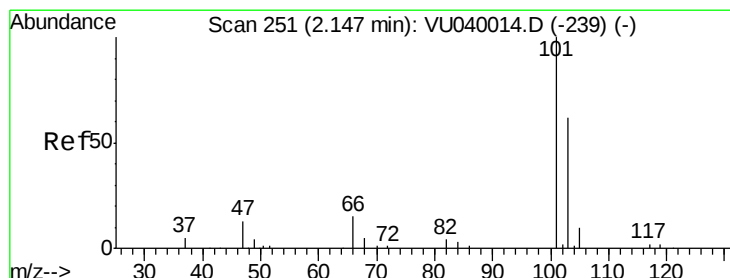
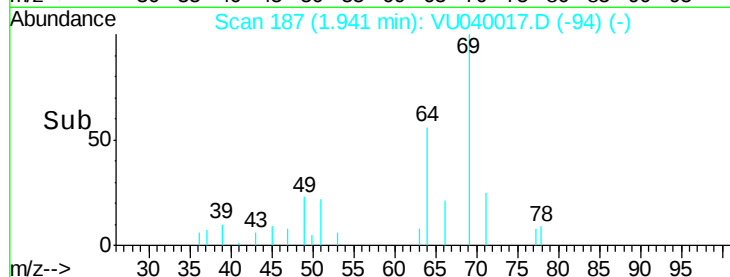
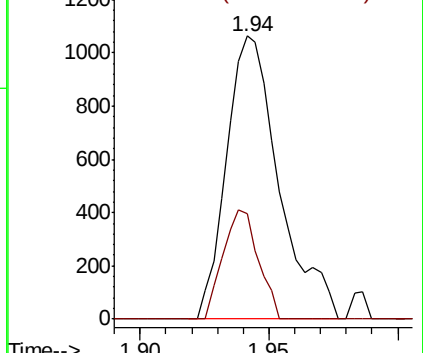
64 100

66 37.3 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 0.197 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040017.D

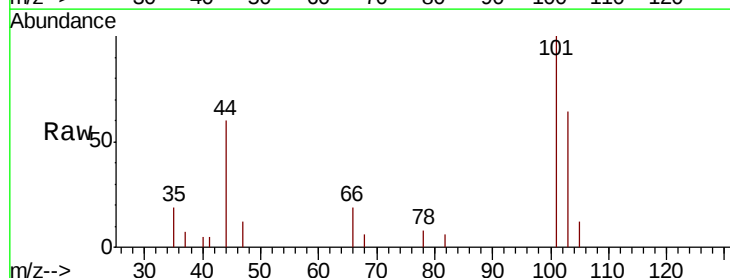
Acq: 02 Sep 2020 11:23

Tgt Ion: 101 Resp: 3009

Ion Ratio Lower Upper

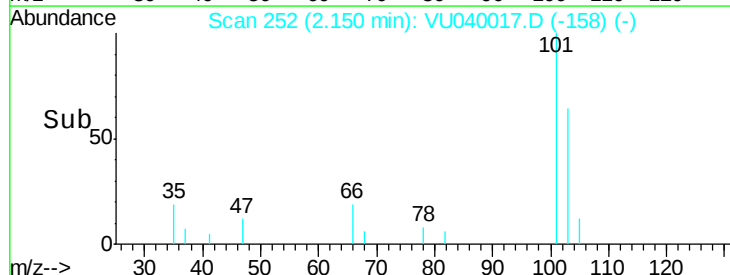
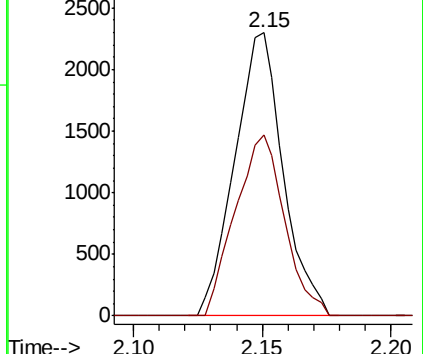
101 100

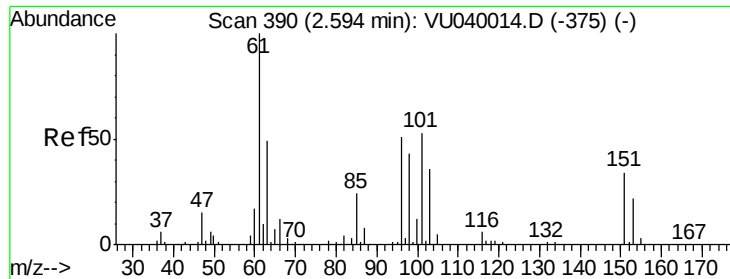
103 65.2 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 0.231 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

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ClientSampleId :

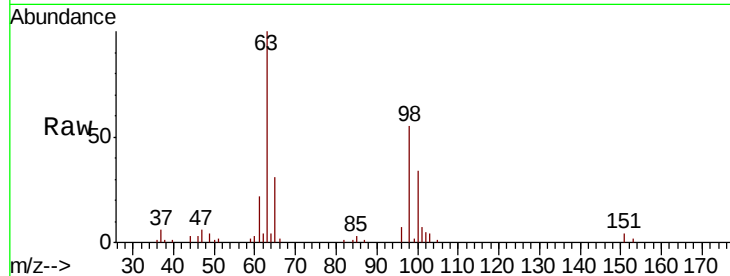
Tot Ion:101 Resp: 2286

Ion Ratio Lower Upper

101 100

85 44.4 37.7 56.5

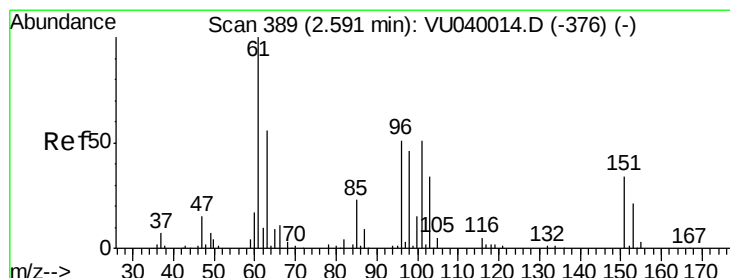
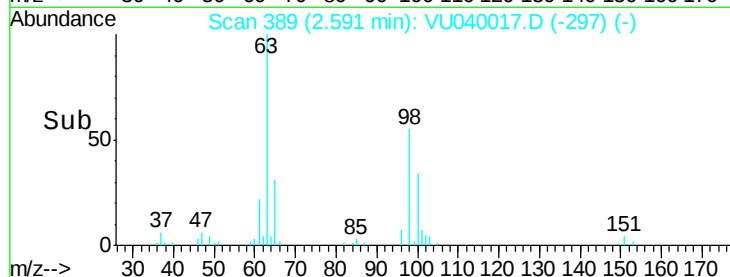
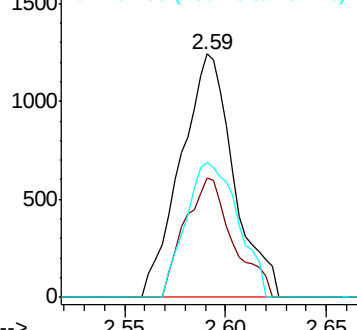
151 54.5 53.9 80.9



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: 0.247 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

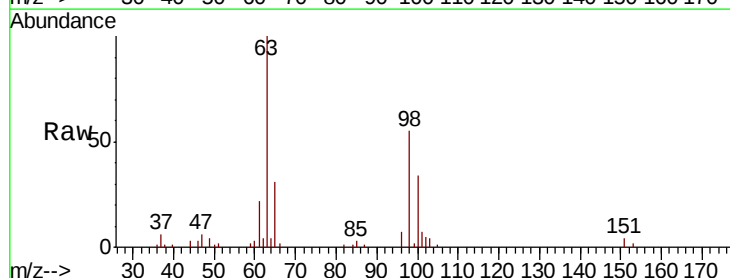
Tgt Ion: 96 Resp: 2110

Ion Ratio Lower Upper

96 100

61 327.4 138.3 256.8#

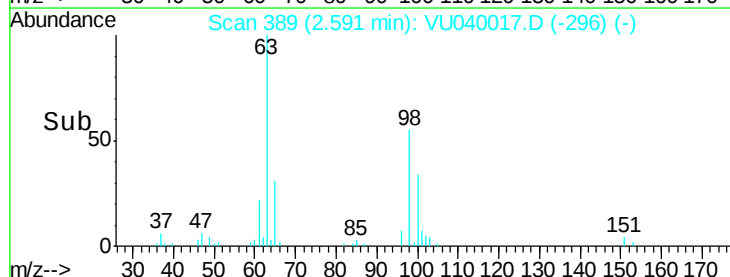
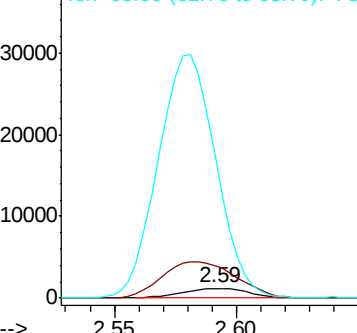
63 1475.2 77.6 144.2#

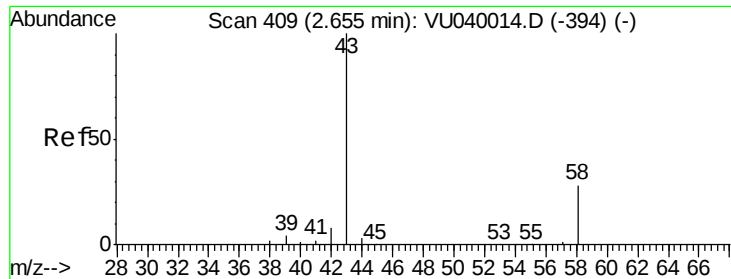


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.184 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

MSVOA_U

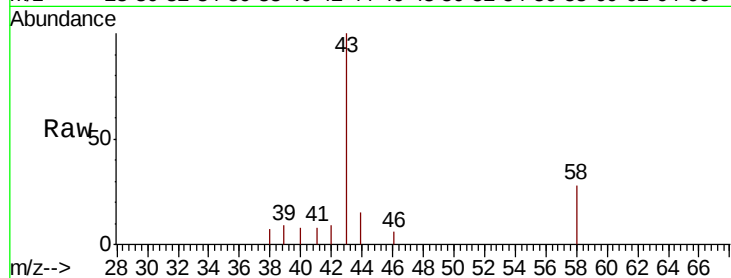
ClientSampled :

Tot Ion: 43 Resp: 4882

Ion Ratio Lower Upper

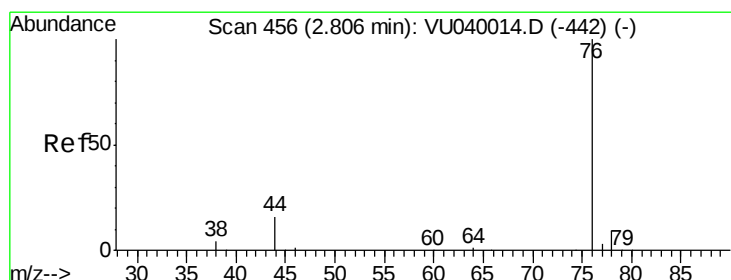
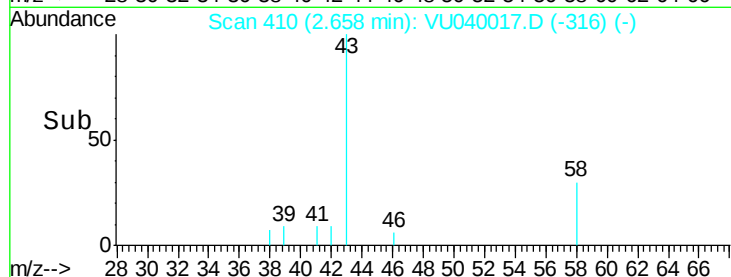
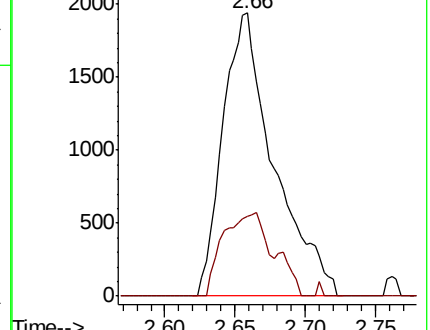
43 100

58 24.9 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040017.D (-316) (-)

Ion 58.05 (57.75 to 58.75): VU040017.D (-316) (-)



#14

Carbon disulfide

Concen: 0.208 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040017.D

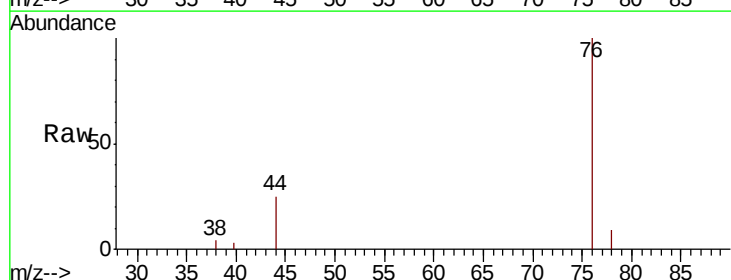
Acq: 02 Sep 2020 11:23

Tgt Ion: 76 Resp: 5711

Ion Ratio Lower Upper

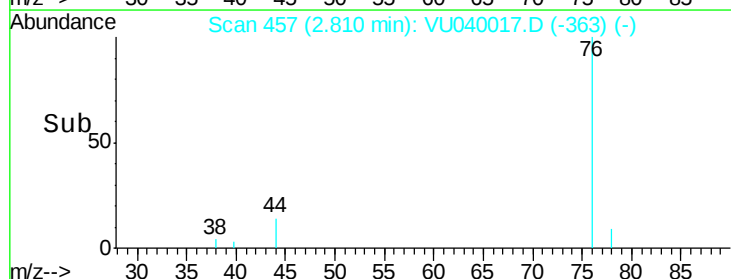
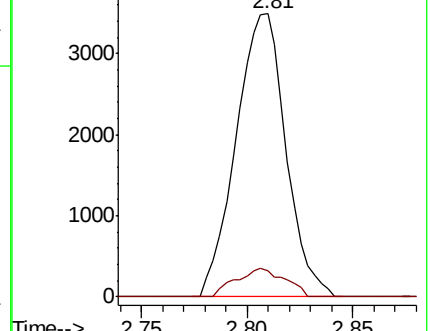
76 100

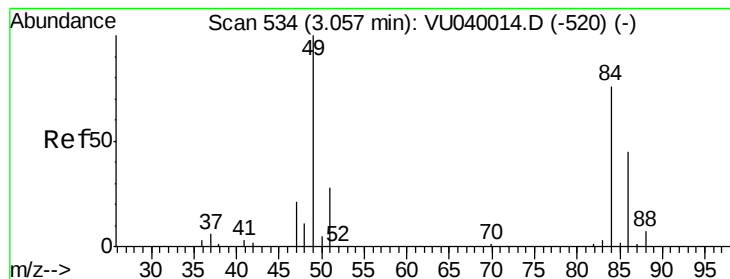
78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040017.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040017.D (-363) (-)





#16

Methylene chloride

Concen: 0.336 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

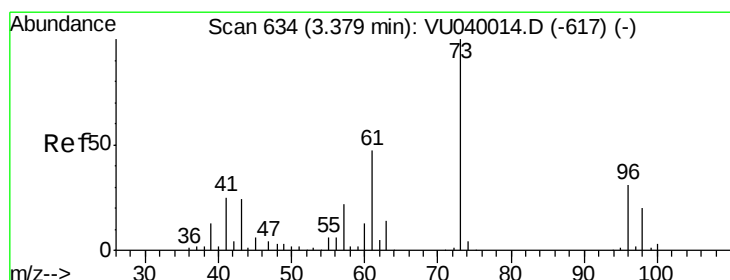
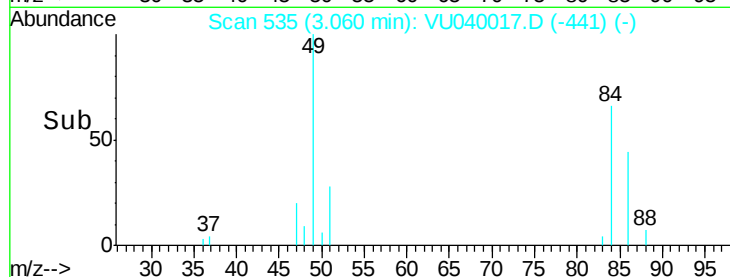
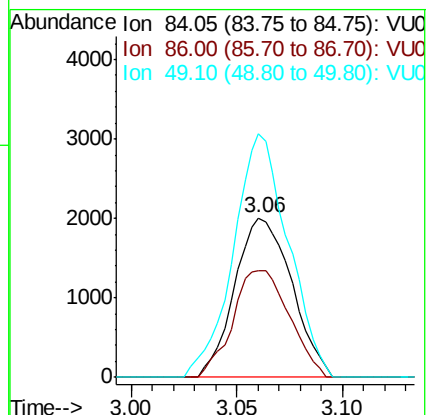
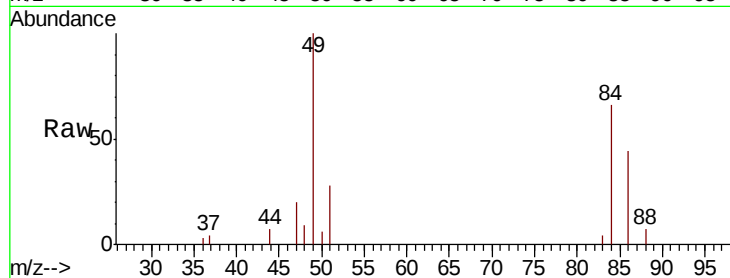
Tot Ion: 84 Resp: 3761

Ion Ratio Lower Upper

84 100

86 66.7 45.2 84.0

49 152.6 104.0 193.2



#17

Methyl tert-butyl Ether

Concen: 0.194 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

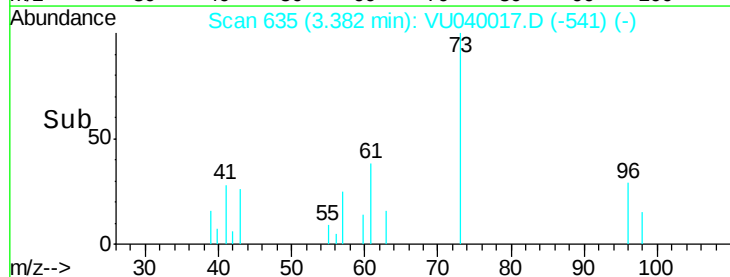
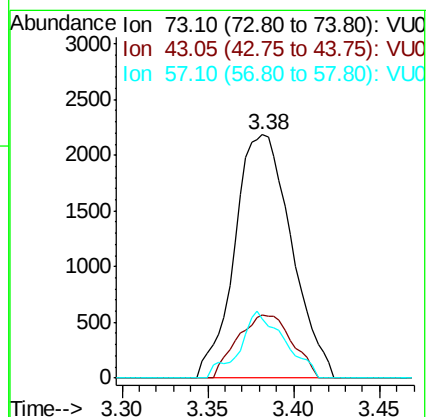
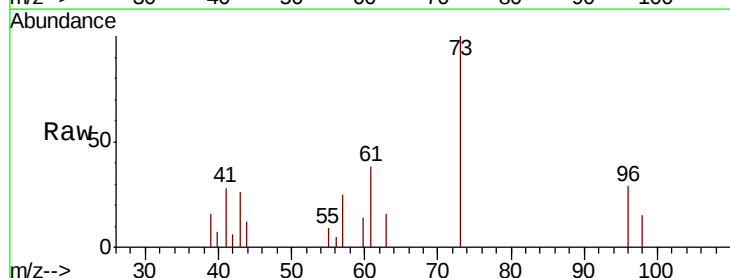
Tgt Ion: 73 Resp: 5015

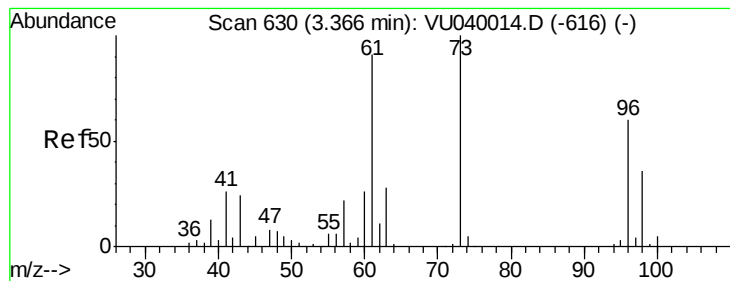
Ion Ratio Lower Upper

73 100

43 24.9 19.1 28.7

57 21.7 18.3 27.5





#18

trans-1,2-Dichloroethene

Concen: 0.184 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :
MSVOA_U
ClientSampleId :

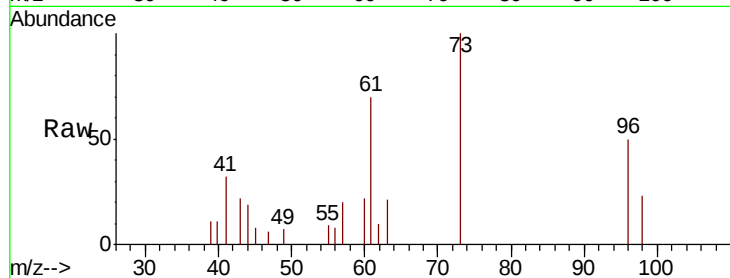
Tot Ion: 96 Resp: 1693

Ion Ratio Lower Upper

96 100

61 139.3 110.5 205.3

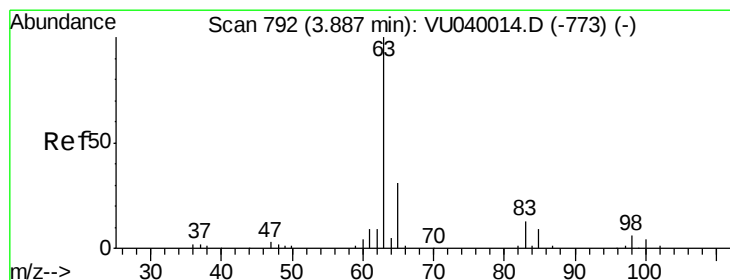
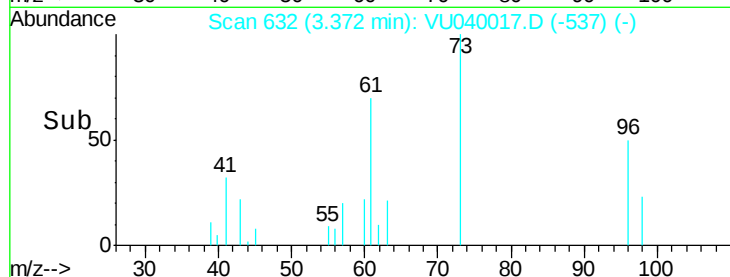
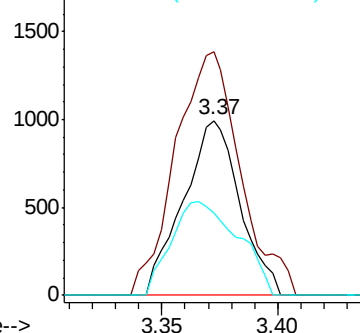
98 46.7 43.2 80.2



Abundance Ion 96.00 (95.70 to 96.70): VU040017.D (-537) (-)

Ion 61.05 (60.75 to 61.75): VU040017.D (-537) (-)

Ion 97.95 (97.65 to 98.65): VU040017.D (-537) (-)



#19

1,1-Dichloroethane

Concen: 0.200 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.01 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

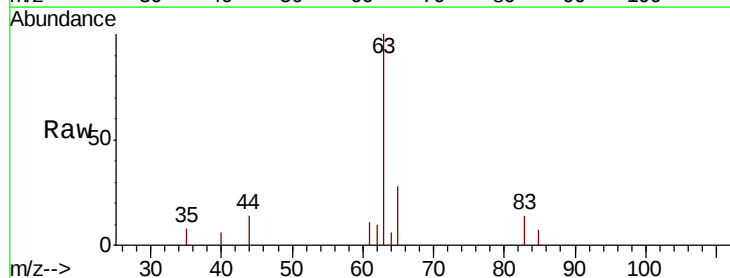
Tgt Ion: 63 Resp: 3793

Ion Ratio Lower Upper

63 100

65 27.8 22.2 41.2

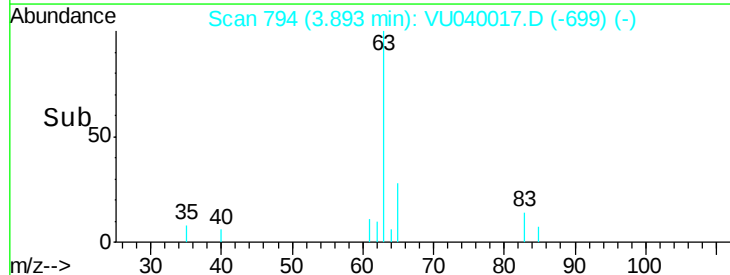
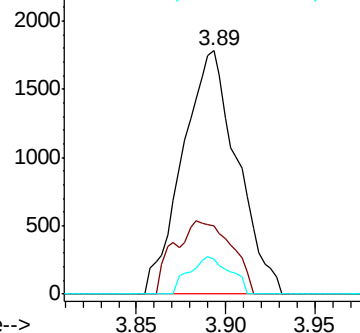
83 14.2 9.4 17.6

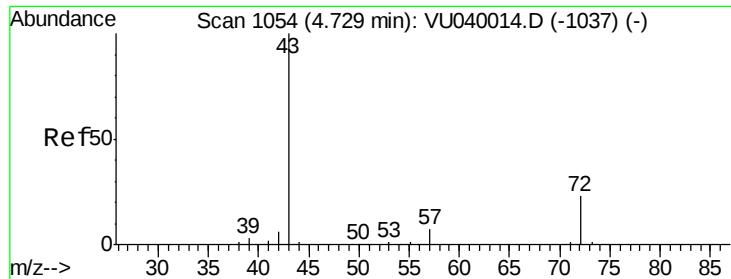


Abundance Ion 63.10 (62.80 to 63.80): VU040017.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU040017.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU040017.D (-699) (-)





#21

2-Butanone

Concen: 1.755 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

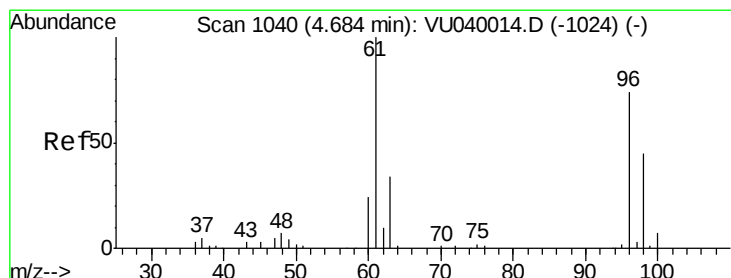
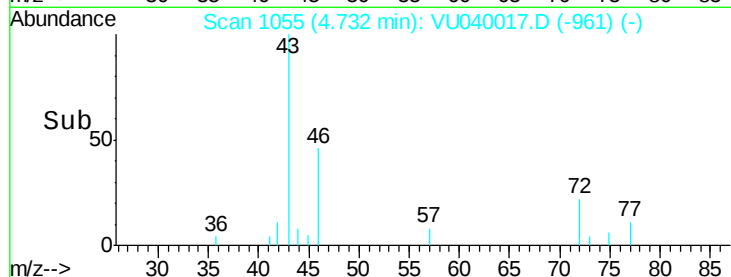
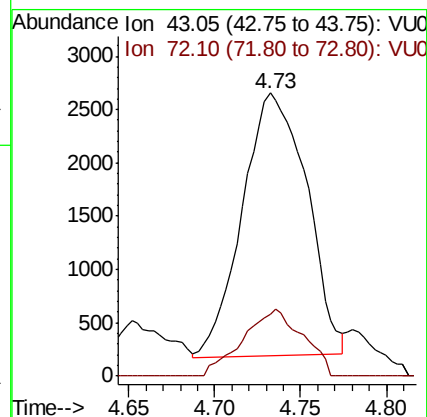
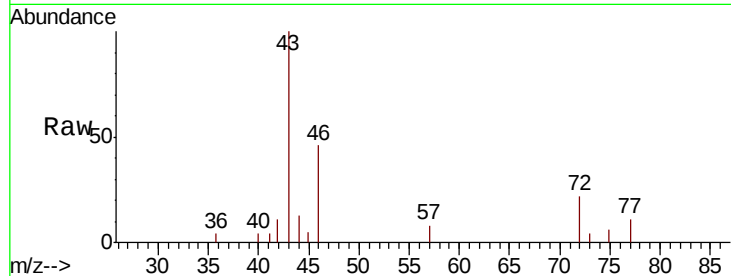
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 6405

Ion Ratio Lower Upper

43 100

72 23.8 11.7 35.0



#22

cis-1,2-Dichloroethene

Concen: 0.204 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

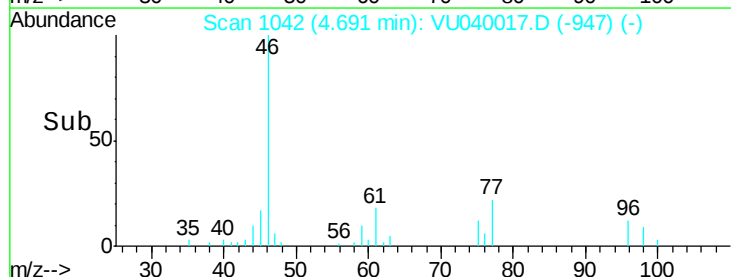
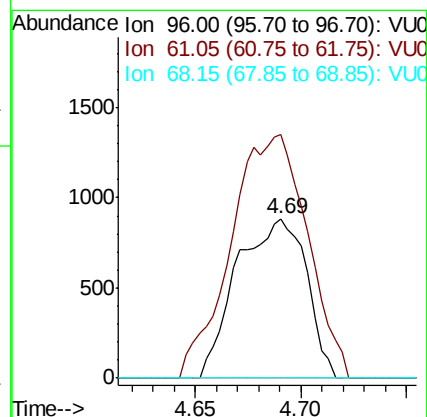
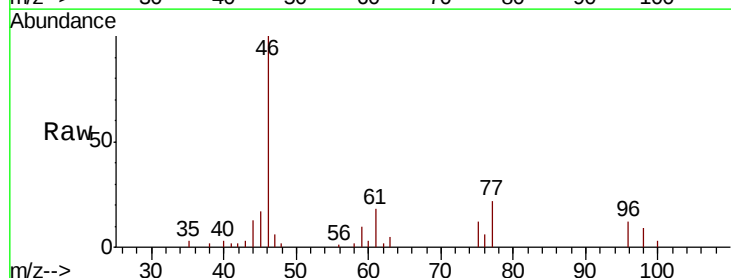
Tgt Ion: 96 Resp: 2020

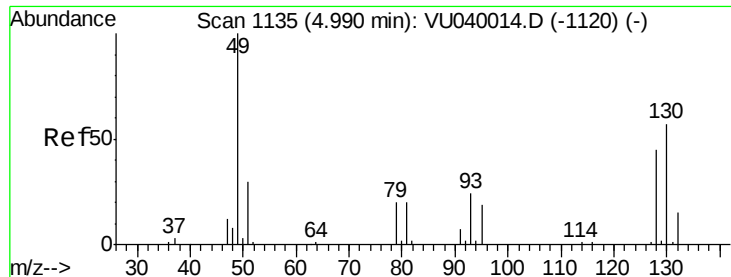
Ion Ratio Lower Upper

96 100

61 153.0 98.8 183.4

68 0.0 0.0 0.0

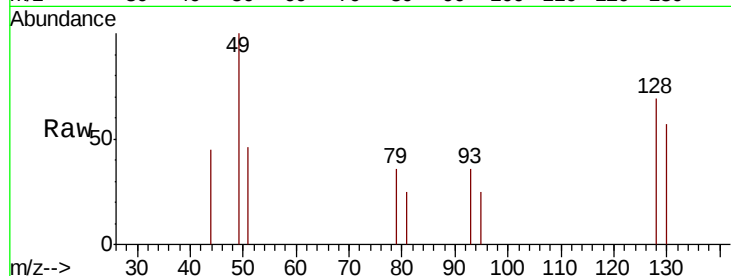




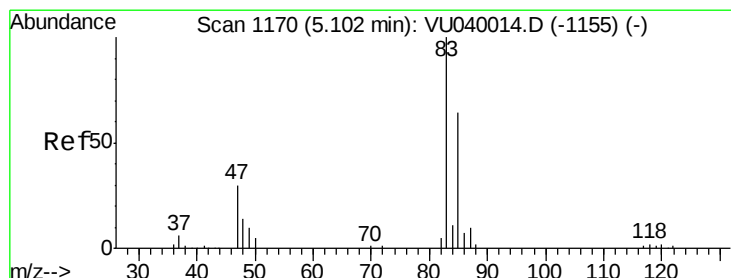
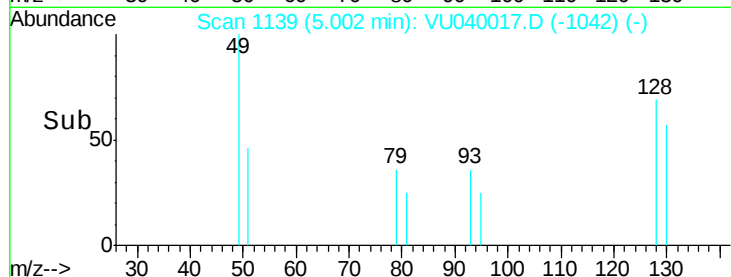
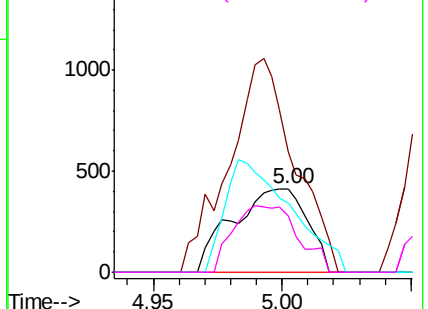
#23
Bromochloromethane
Concen: 0.192 ug/L
RT: 5.00 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 833
Ion Ratio Lower Upper
128 100
49 144.6 143.4 266.4
130 83.1 89.5 166.3#
51 67.1 51.0 76.4

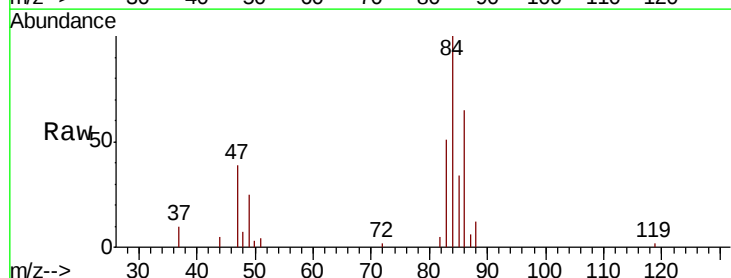


Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

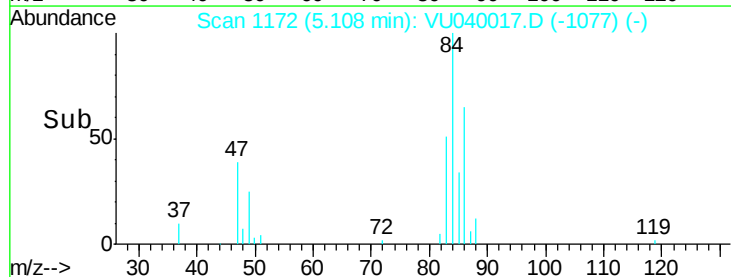
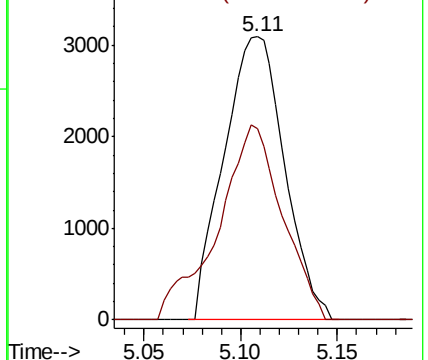


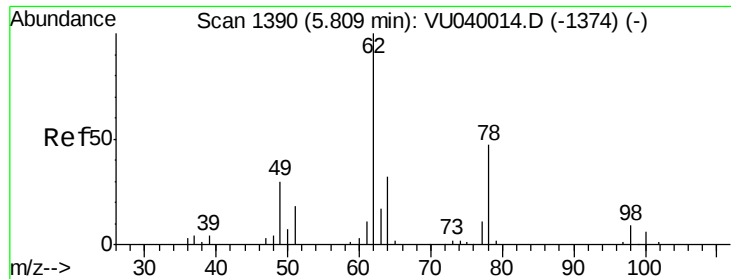
#25
Chloroform
Concen: 0.348 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Tgt Ion: 83 Resp: 6749
Ion Ratio Lower Upper
83 100
85 67.6 45.3 84.1



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

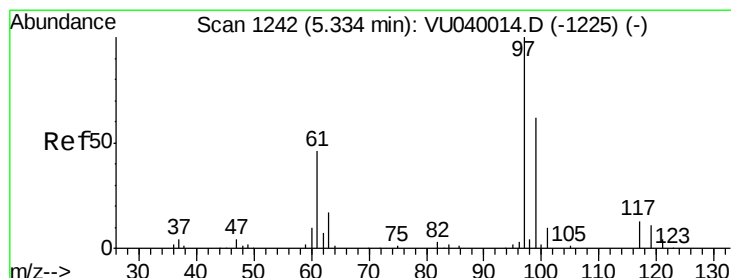
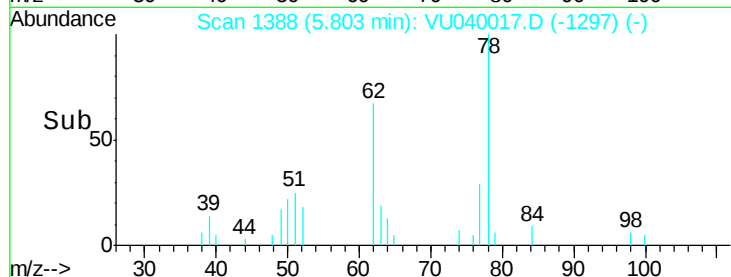
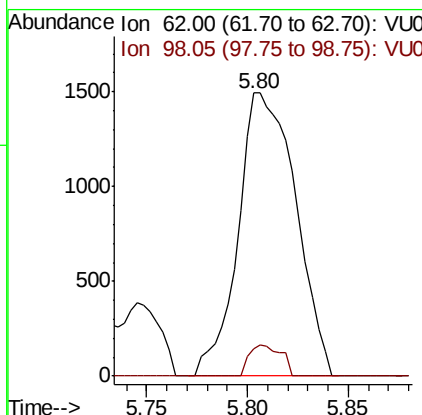
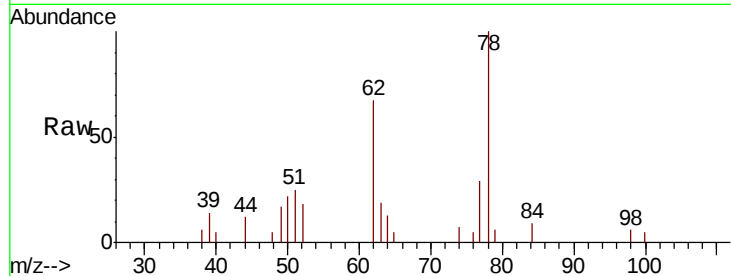




#27
 1,2-Dichloroethane
 Concen: 0.209 ug/L
 RT: 5.80 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

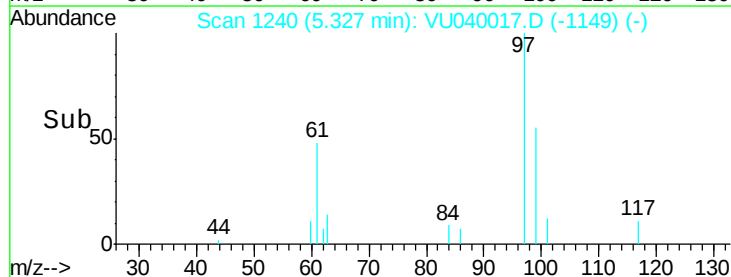
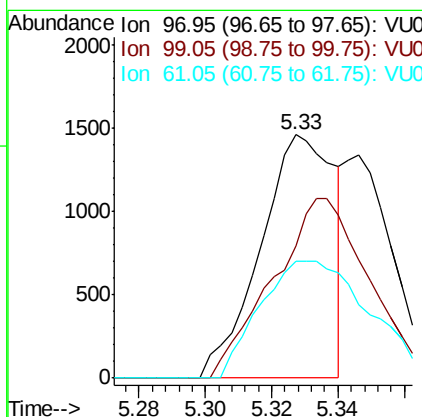
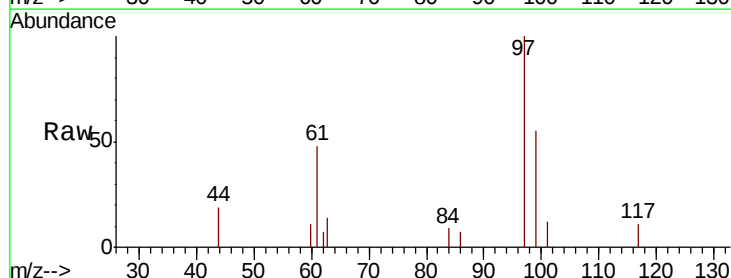
Instrument :
 MSVOA_U
 ClientSampleId :

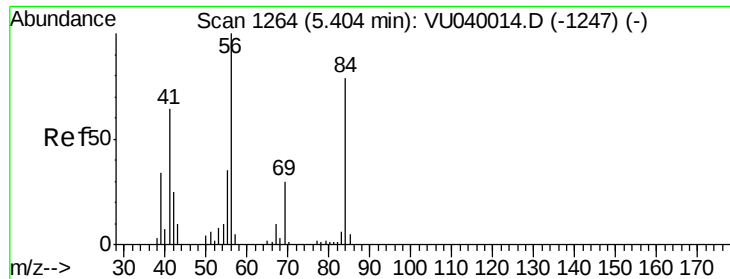
Tot Ion: 62 Resp: 2977
 Ion Ratio Lower Upper
 62 100
 98 9.6 6.1 9.1#



#29
 1,1,1-Trichloroethane
 Concen: 0.129 ug/L
 RT: 5.33 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Tgt Ion: 97 Resp: 2258
 Ion Ratio Lower Upper
 97 100
 99 94.9 50.9 76.3#
 61 70.2 39.5 59.3#

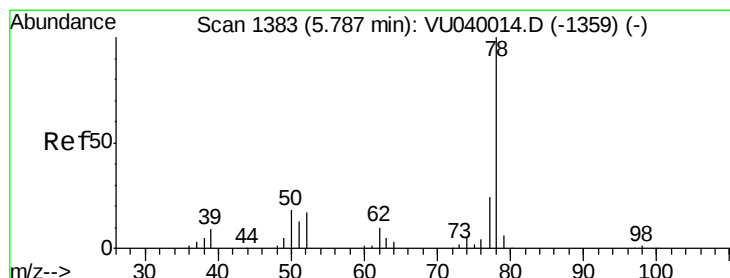
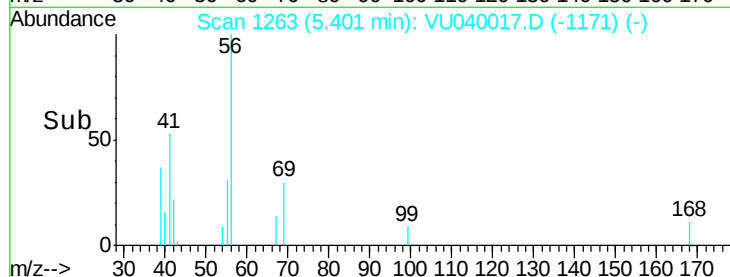
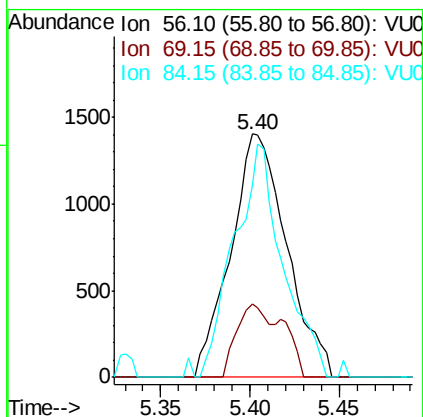
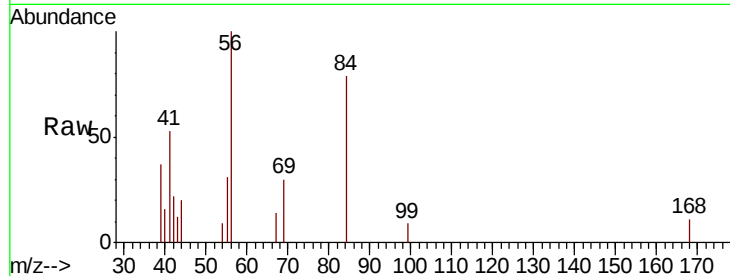




#30
Cyclohexane
Concen: 0.180 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

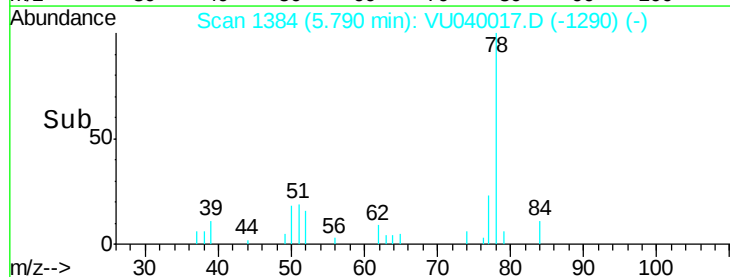
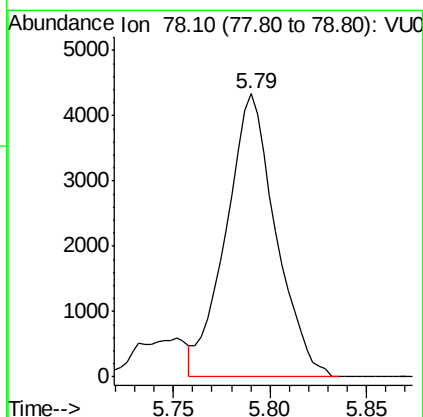
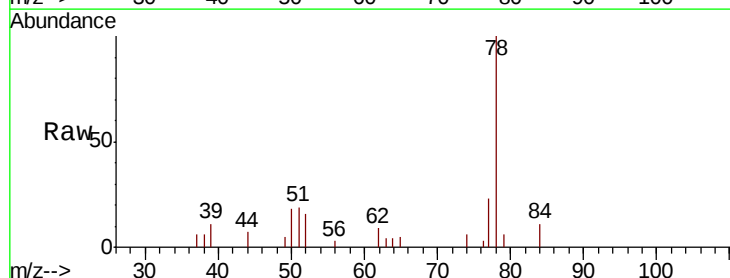
Instrument :
MSVOA_U
ClientSampleId :

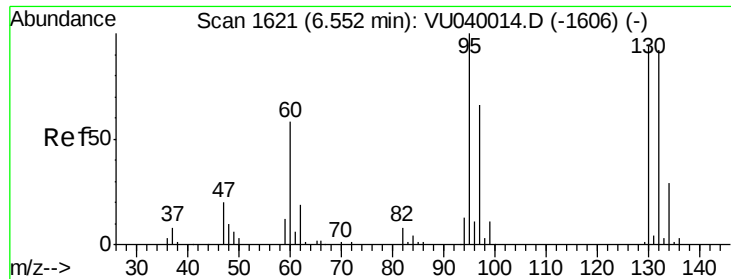
Tot Ion: 56 Resp: 3064
Ion Ratio Lower Upper
56 100
69 24.9 24.1 36.1
84 83.6 65.0 97.4



#33
Benzene
Concen: 0.194 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Tgt Ion: 78 Resp: 7736

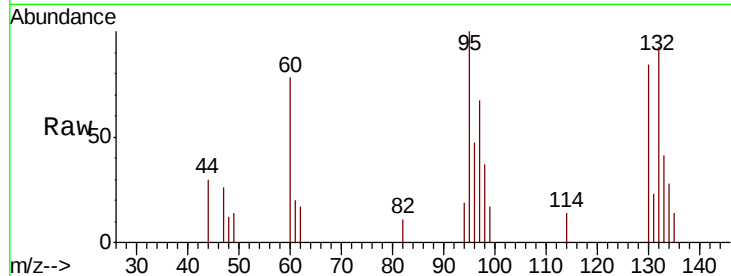




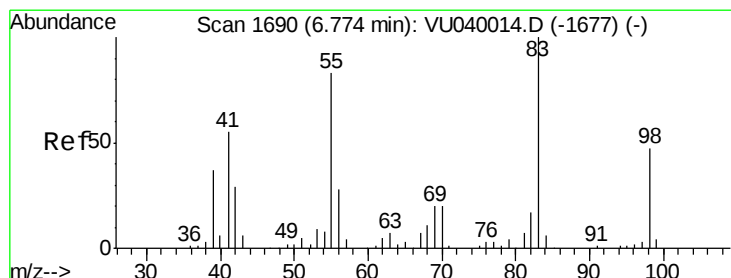
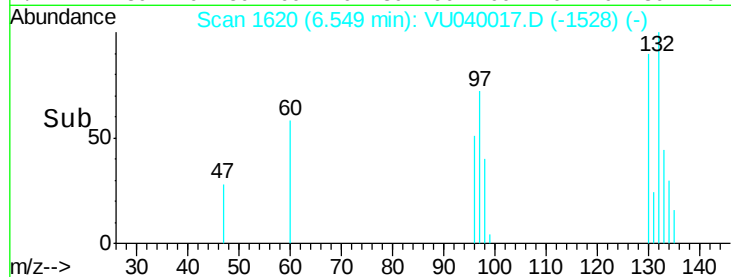
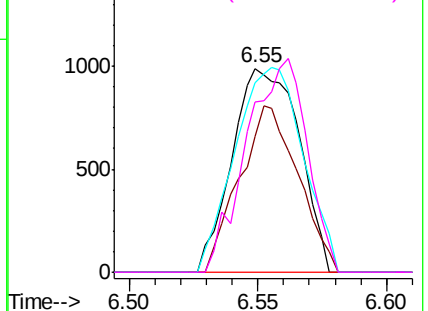
#34
 Trichloroethene
 Concen: 0.167 ug/L
 RT: 6.55 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 1786
 Ion Ratio Lower Upper
 95 100
 97 66.7 43.3 80.5
 132 93.0 59.4 110.4
 130 83.7 64.8 120.4

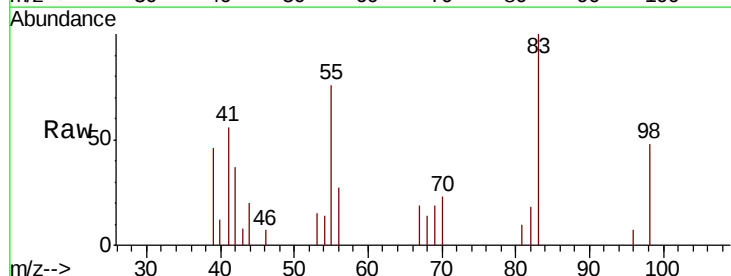


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

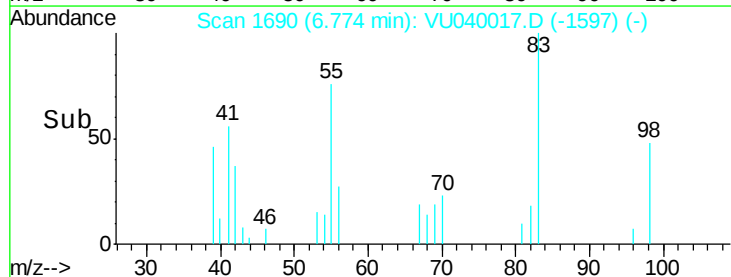
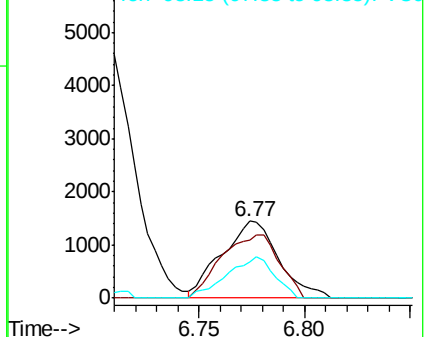


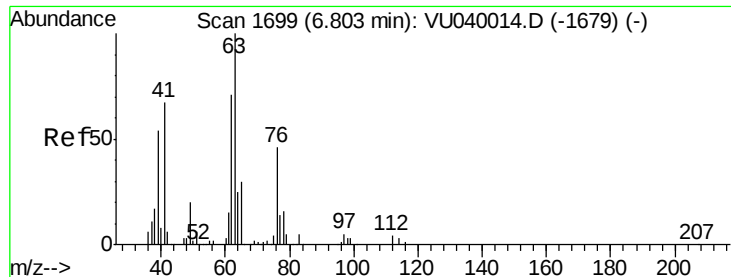
#35
 Methylcyclohexane
 Concen: 0.166 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Tgt Ion: 83 Resp: 2729
 Ion Ratio Lower Upper
 83 100
 55 83.0 70.5 105.7
 98 44.2 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: 0.183 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

MSVOA_U

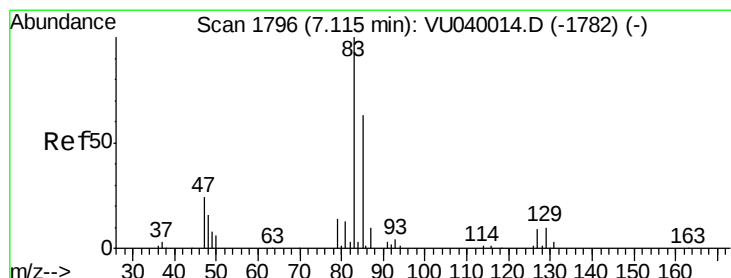
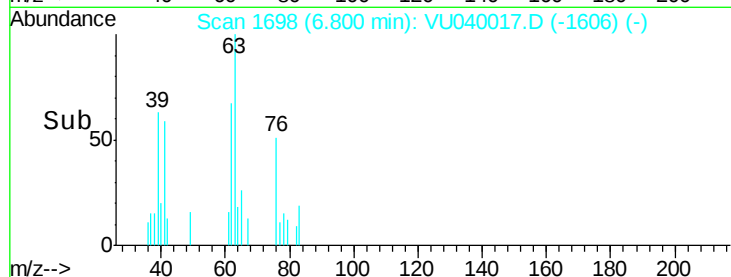
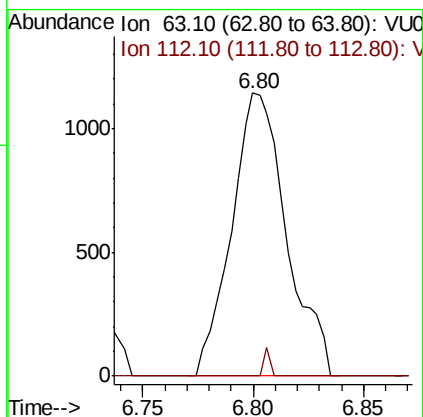
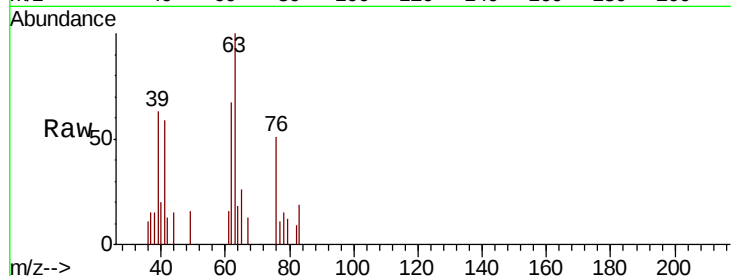
ClientSampled :

Tot Ion: 63 Resp: 1977

Ion Ratio Lower Upper

63 100

112 1.1 3.2 4.8#



#38

Bromodichloromethane

Concen: 0.184 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

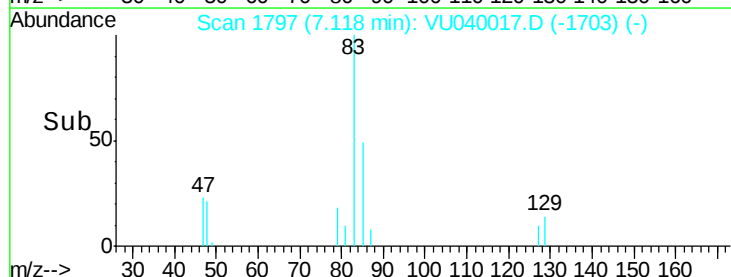
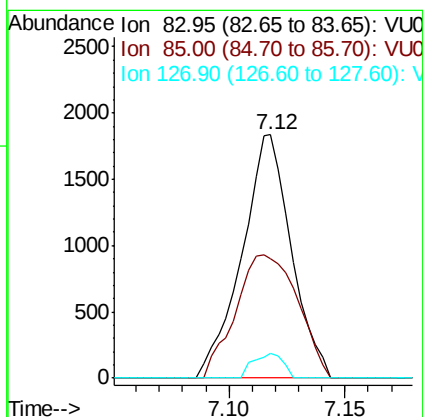
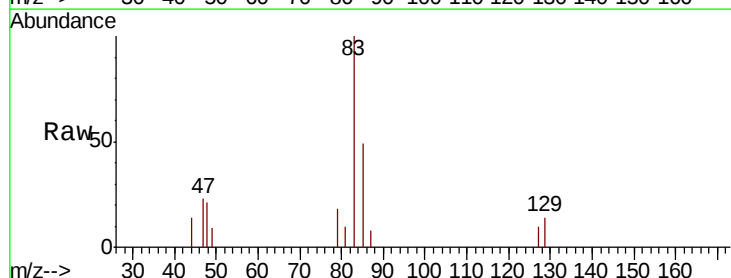
Tgt Ion: 83 Resp: 2716

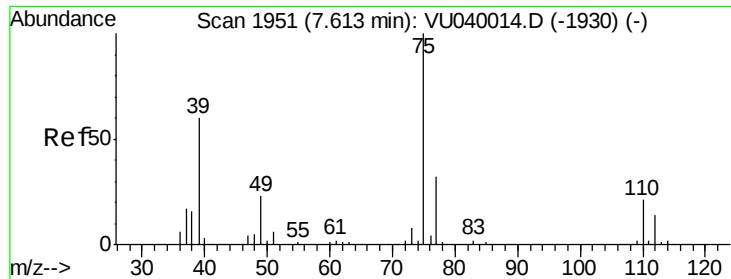
Ion Ratio Lower Upper

83 100

85 48.9 45.1 83.9

127 10.0 6.7 10.1

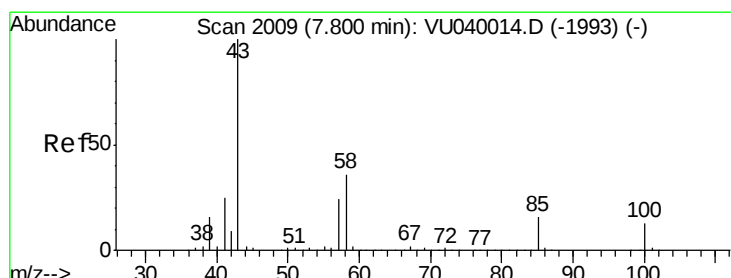
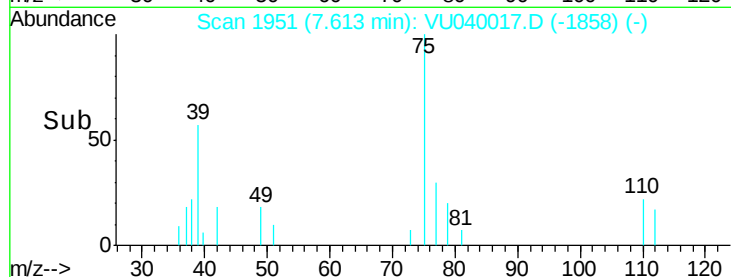
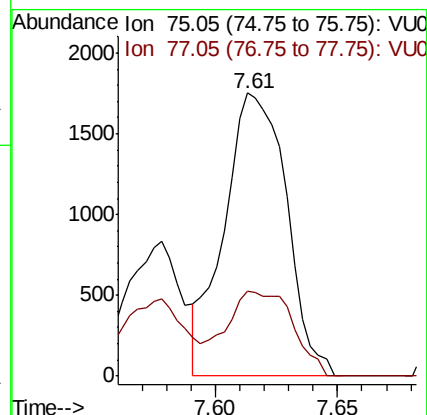
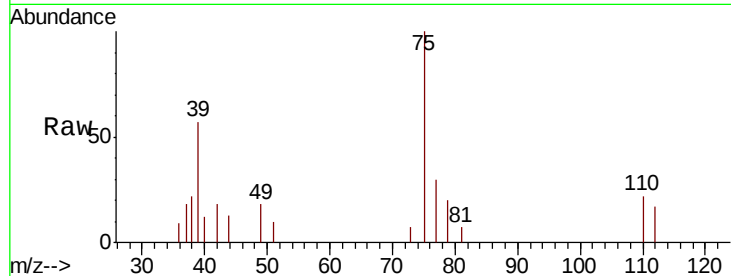




#39
 cis-1,3-Dichloropropene
 Concen: 0.195 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

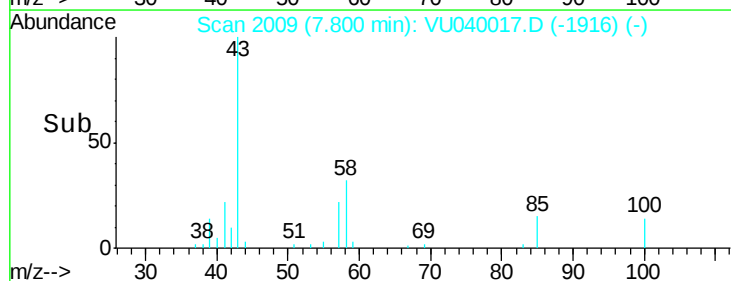
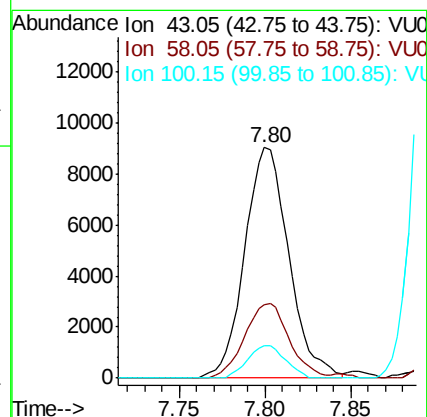
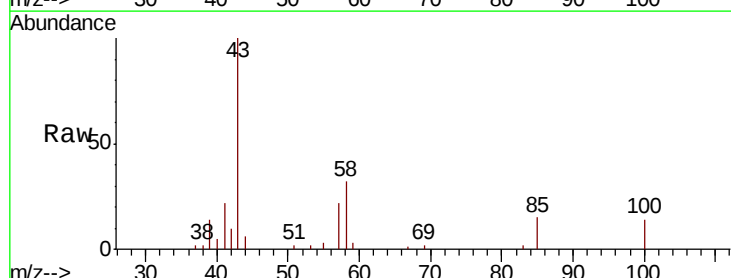
Instrument :
 MSVOA_U
 ClientSampleId :

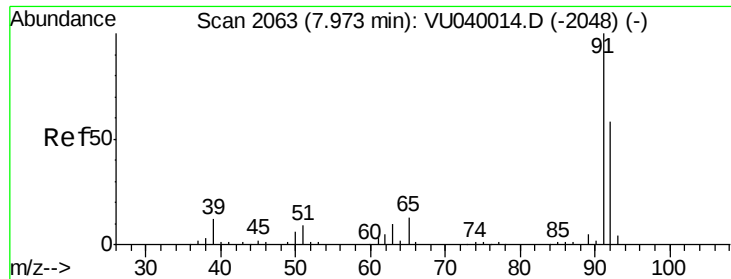
Tot Ion: 75 Resp: 3107
 Ion Ratio Lower Upper
 75 100
 77 29.9 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 1.815 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Tgt Ion: 43 Resp: 16117
 Ion Ratio Lower Upper
 43 100
 58 32.4 28.7 43.1
 100 0.0 10.2 15.2#





#42

Toluene

Concen: 0.192 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

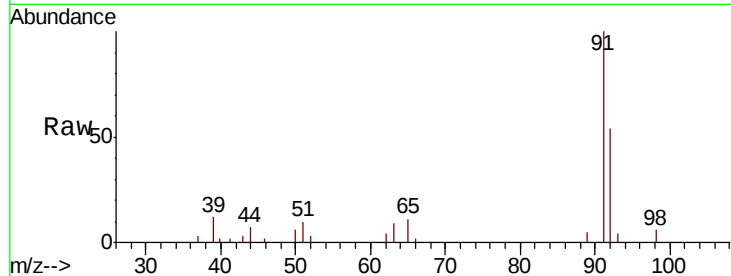
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 7909

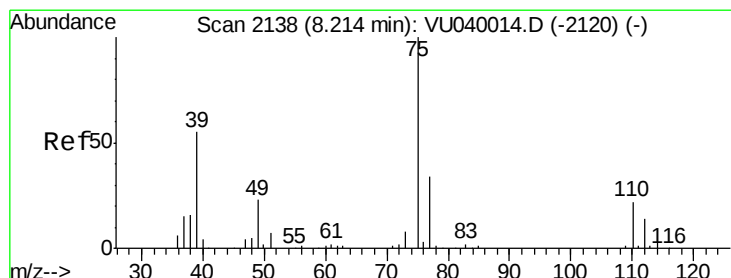
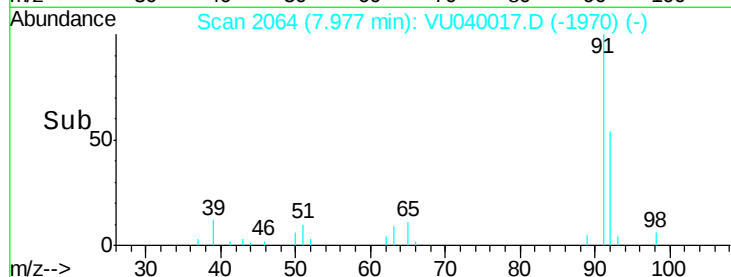
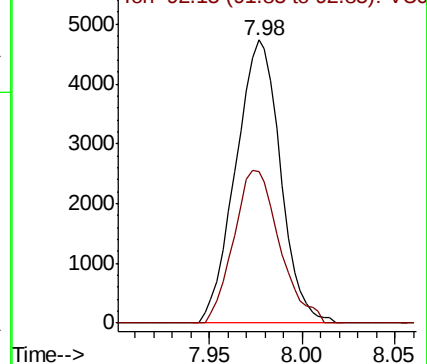
Ion Ratio Lower Upper

91 100

92 53.6 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.236 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040017.D

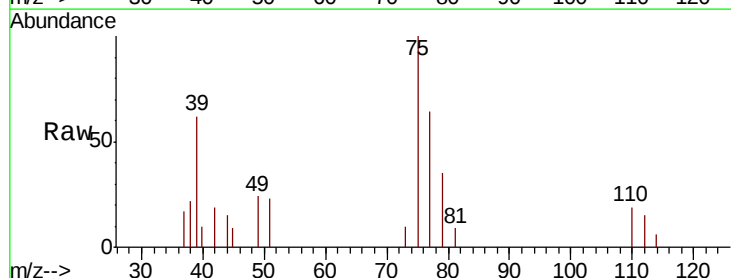
Acq: 02 Sep 2020 11:23

Tgt Ion: 75 Resp: 3495

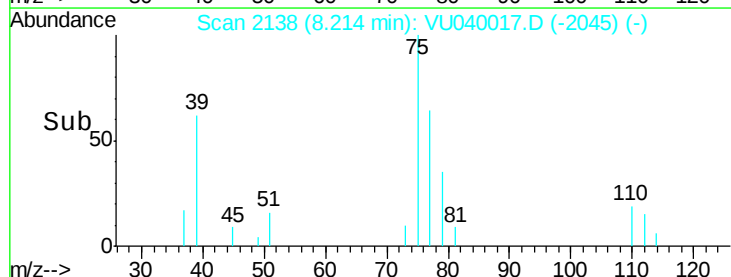
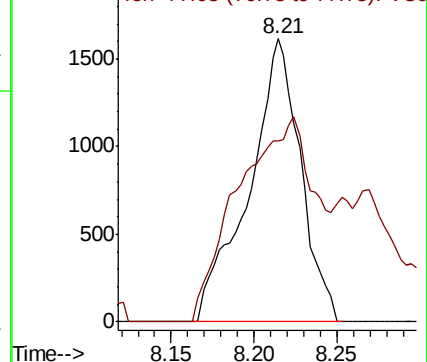
Ion Ratio Lower Upper

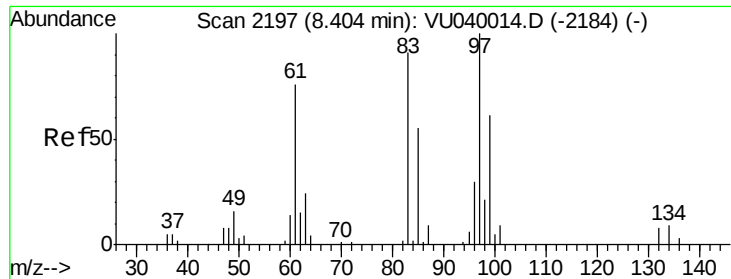
75 100

77 63.8 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0

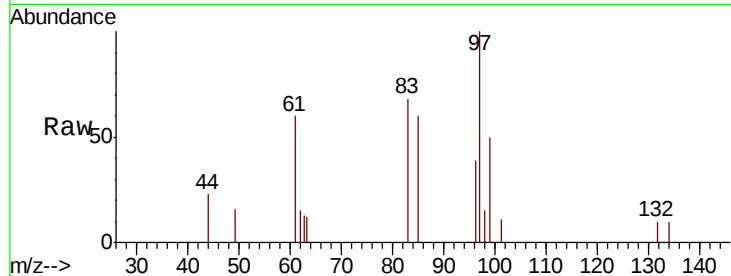




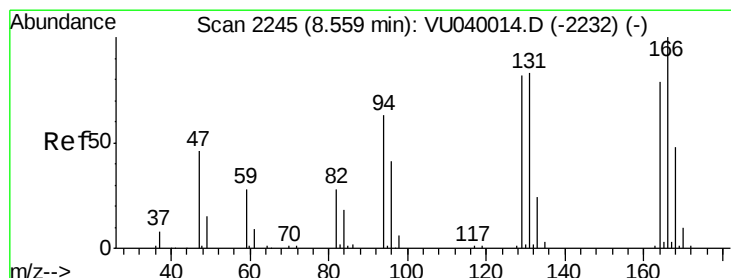
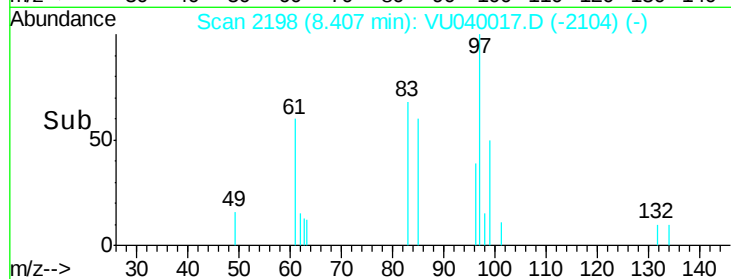
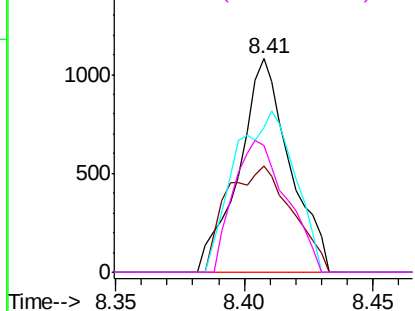
#45
 1,1,2-Trichloroethane
 Concen: 0.189 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	1492
Ion	Ratio	Lower	Upper
97	100		
99	50.0	43.0	79.8
83	68.0	61.7	114.7
85	59.5	39.3	73.1

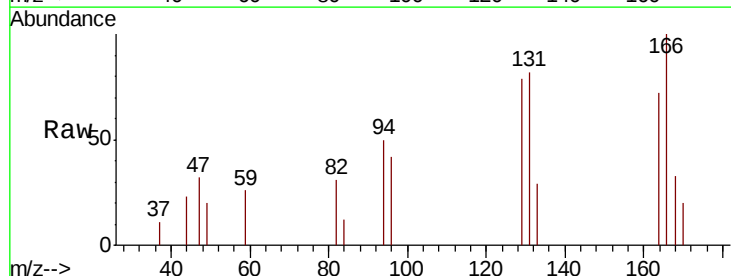


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

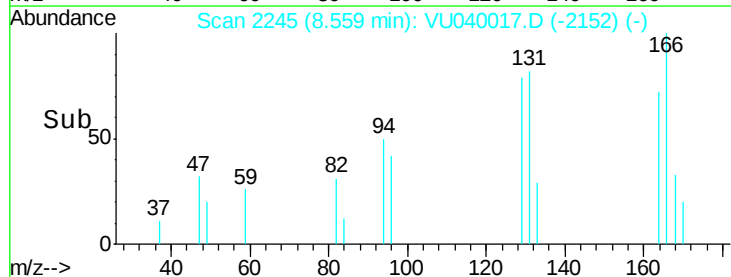
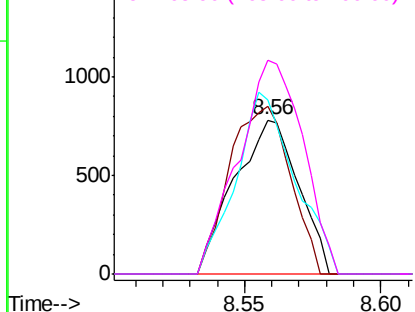


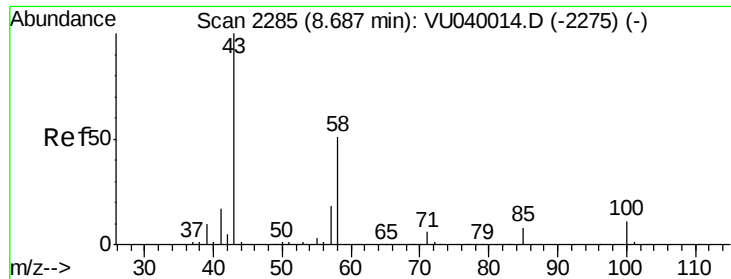
#47
 Tetrachloroethene
 Concen: 0.181 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Tgt Ion:	164	Resp:	1277
Ion	Ratio	Lower	Upper
164	100		
129	108.8	71.5	132.7
131	113.3	65.9	122.5
166	138.5	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

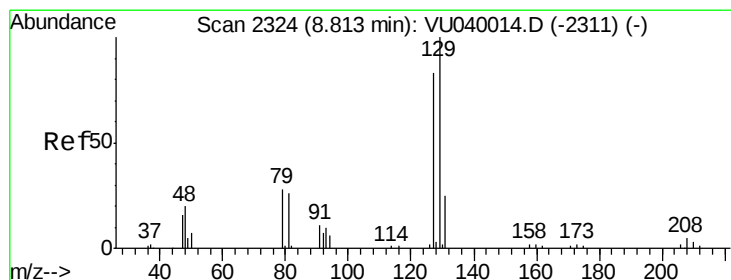
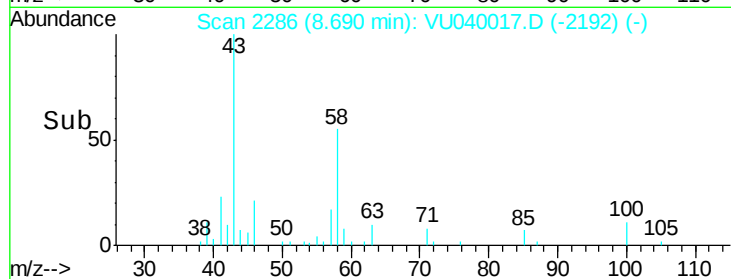
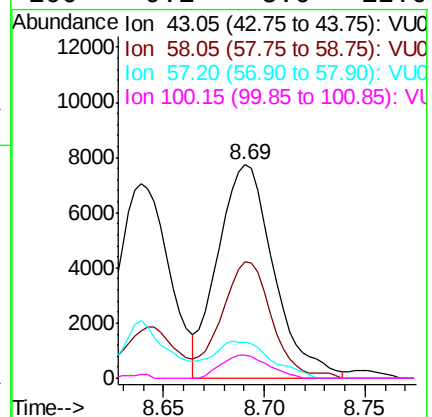
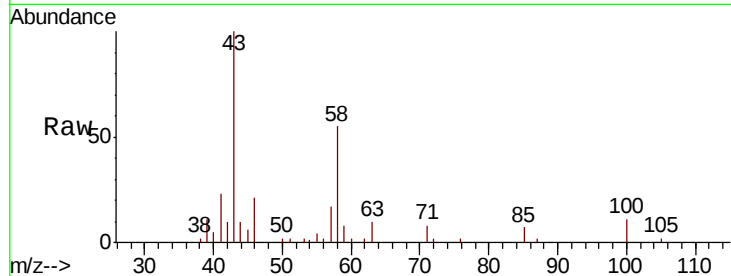




#48
2-Hexanone
Concen: 2.308 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

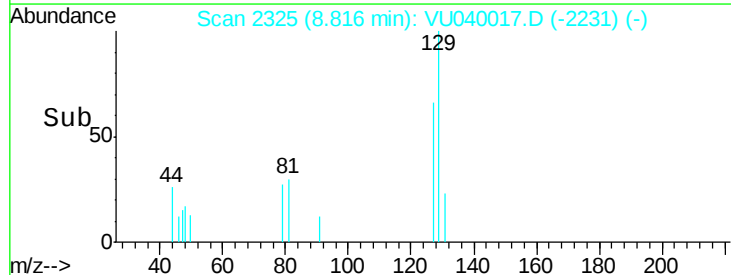
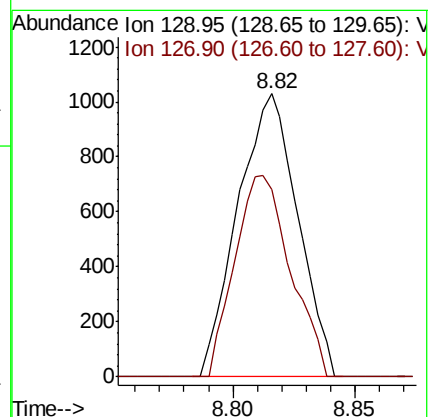
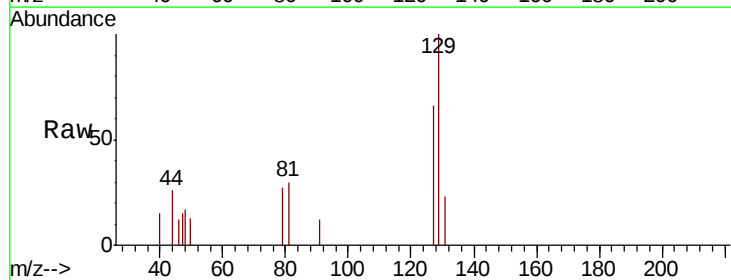
Instrument :
MSVOA_U
ClientSampled :

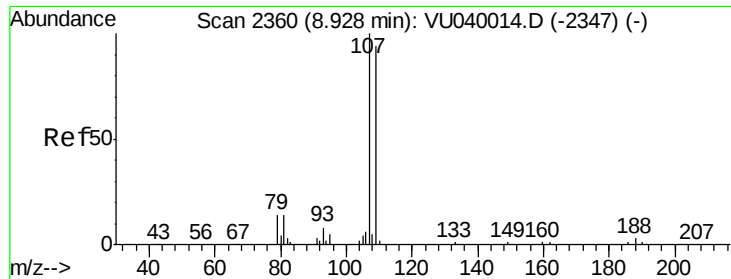
Tot Ion: 43 Resp: 14949
Ion Ratio Lower Upper
43 100
58 49.0 39.6 59.4
57 18.4 14.3 21.5
100 9.1 8.0 12.0



#49
Dibromochloromethane
Concen: 0.185 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Tgt Ion: 129 Resp: 1753
Ion Ratio Lower Upper
129 100
127 66.0 53.7 99.7

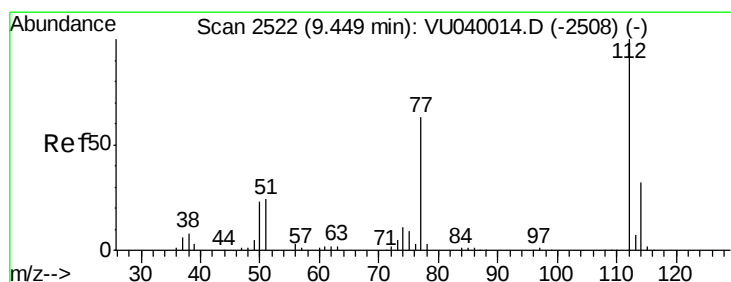
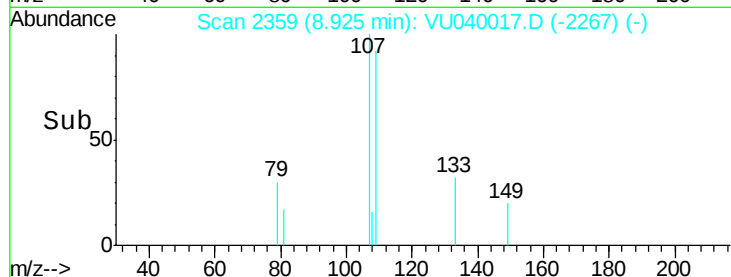
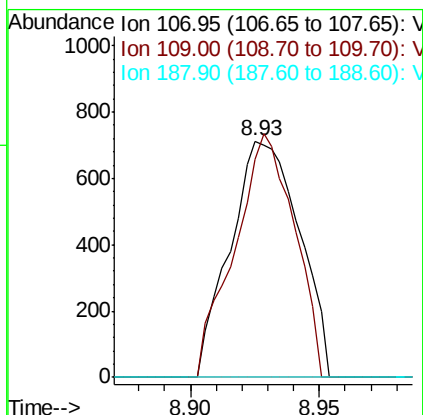
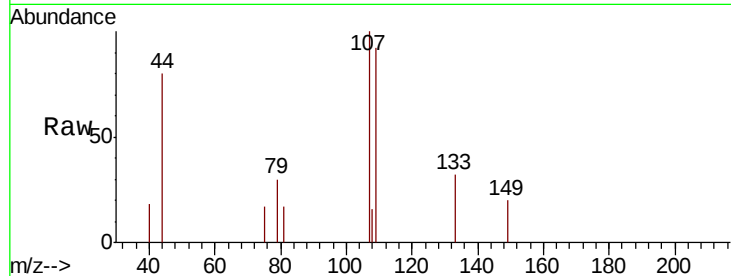




#50
 1,2-Dibromoethane
 Concen: 0.175 ug/L
 RT: 8.93 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

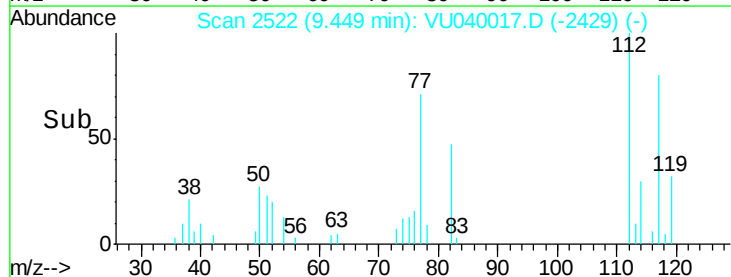
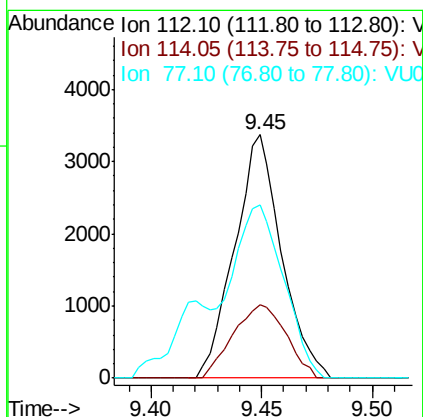
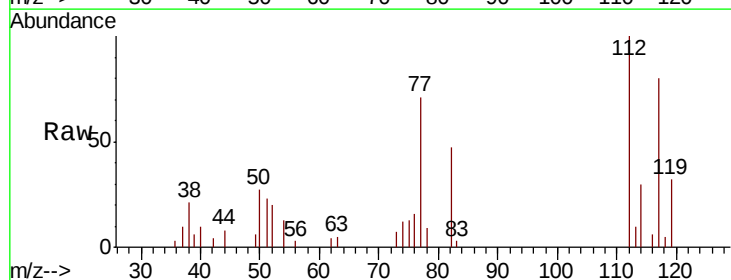
Instrument :
 MSVOA_U
 ClientSampleId :

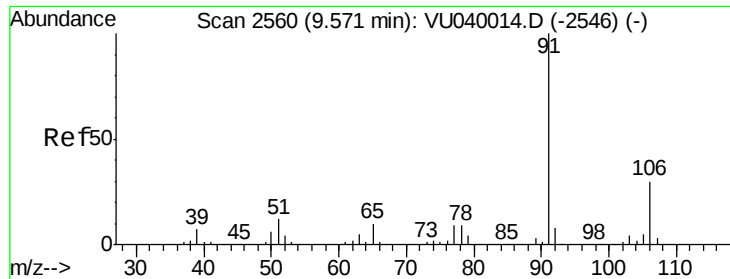
Tot Ion:107 Resp: 1329
 Ion Ratio Lower Upper
 107 100
 109 92.3 62.4 115.8
 188 0.0 2.3 3.5#



#51
 Chlorobenzene
 Concen: 0.195 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Tgt Ion:112 Resp: 4979
 Ion Ratio Lower Upper
 112 100
 114 30.3 22.7 42.3
 77 71.1 53.2 79.8





#52

Ethylbenzene

Concen: 0.172 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

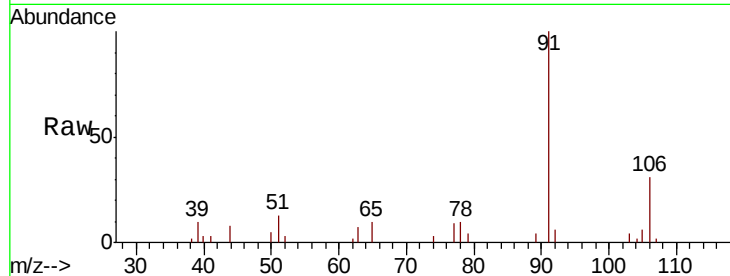
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 8035

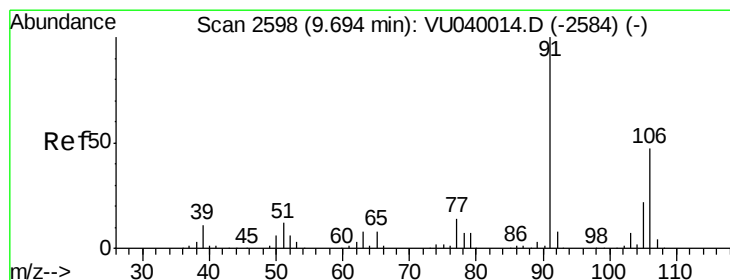
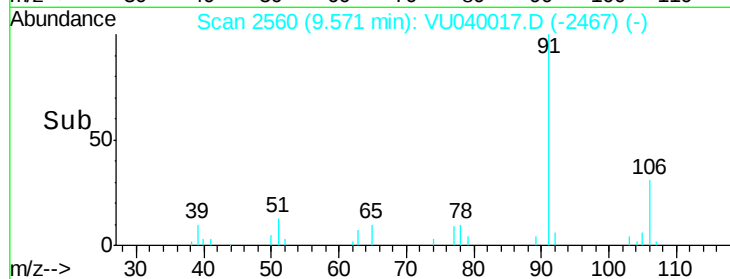
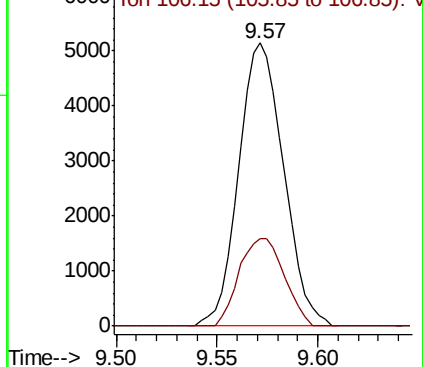
Ion Ratio Lower Upper

91 100

106 30.9 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040017.D (-2467) (-)



#53

m,p-Xylene

Concen: 0.171 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040017.D

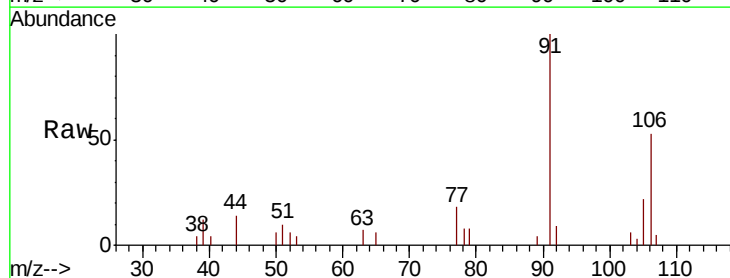
Acq: 02 Sep 2020 11:23

Tgt Ion: 106 Resp: 2845

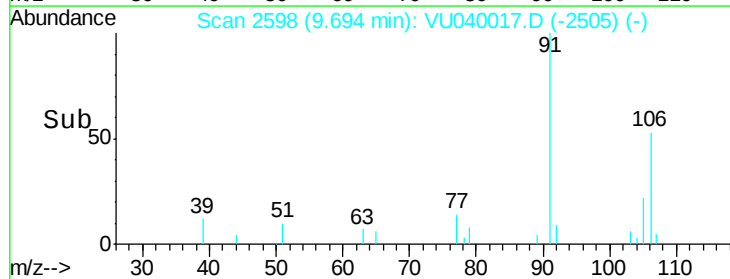
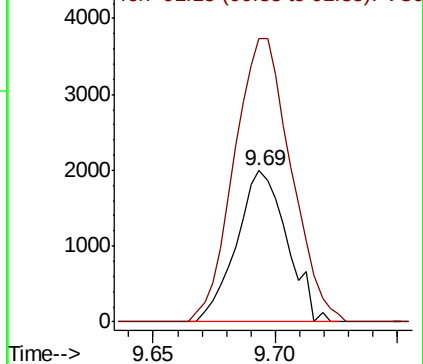
Ion Ratio Lower Upper

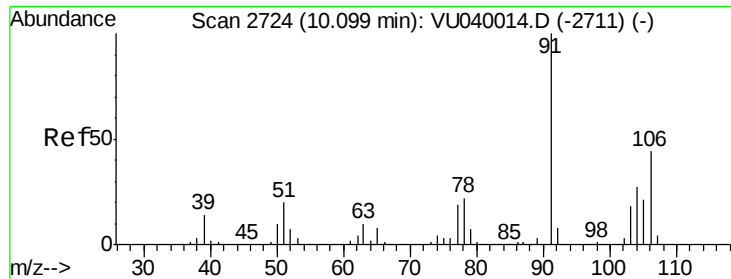
106 100

91 187.5 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040017.D (-2505) (-)

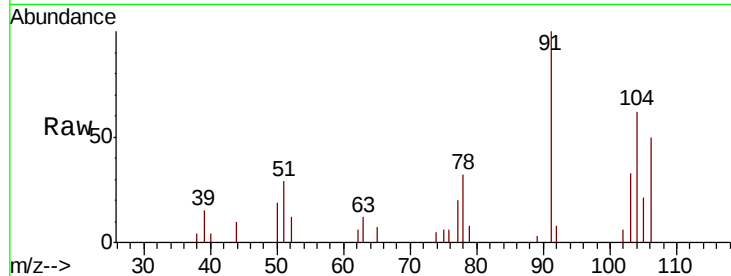




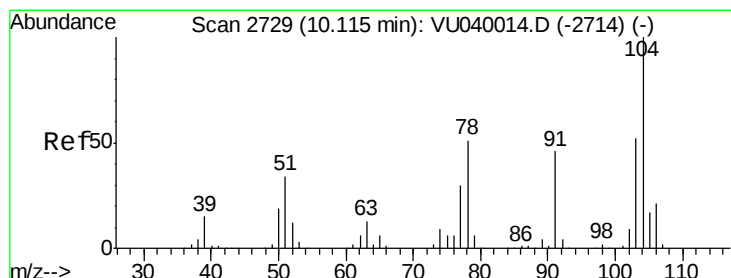
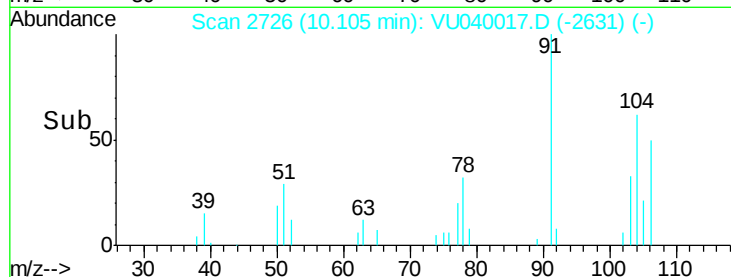
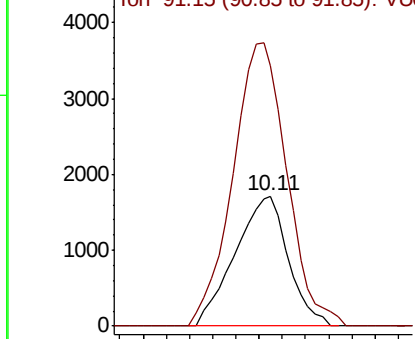
#54
o-Xylene
Concen: 0.172 ug/L
RT: 10.11 min Scan# 2726
Delta R.T. 0.01 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 2728
Ion Ratio Lower Upper
106 100
91 200.8 160.8 298.6

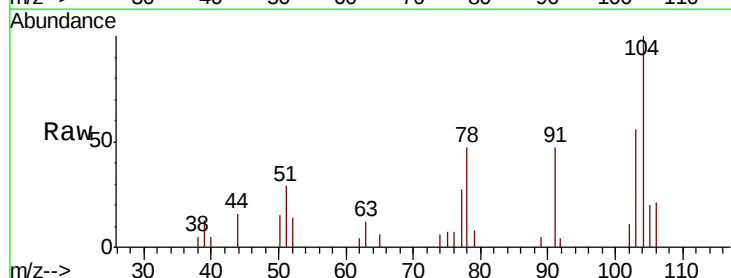


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

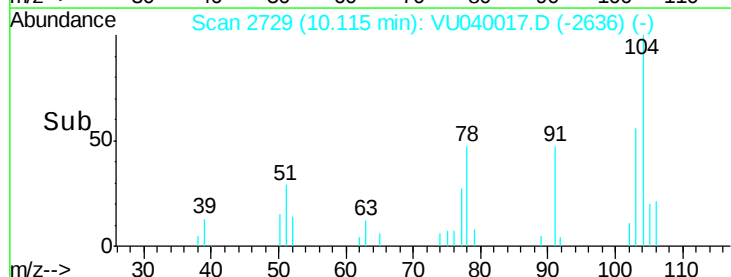
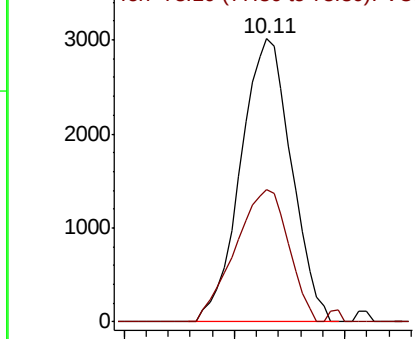


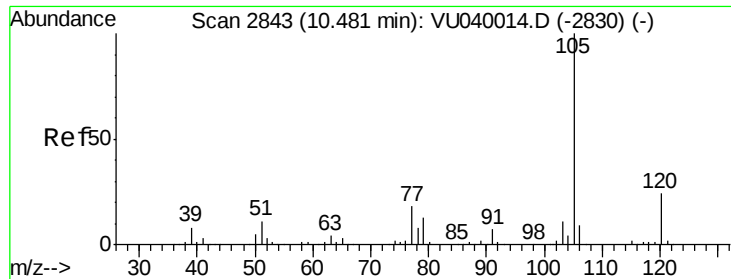
#55
Styrene
Concen: 0.174 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Tgt Ion:104 Resp: 4806
Ion Ratio Lower Upper
104 100
78 46.9 36.8 68.3



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

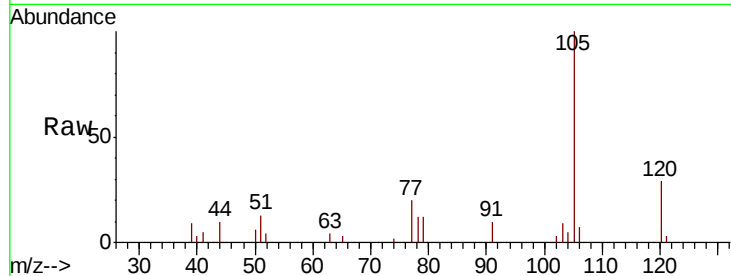




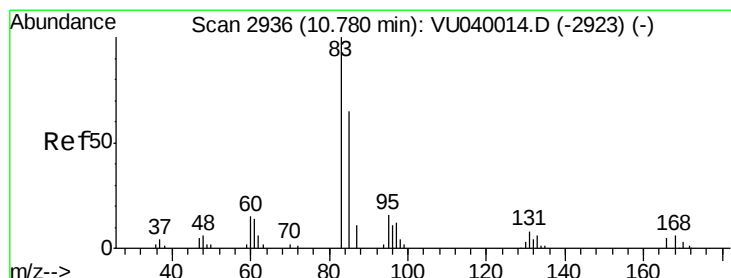
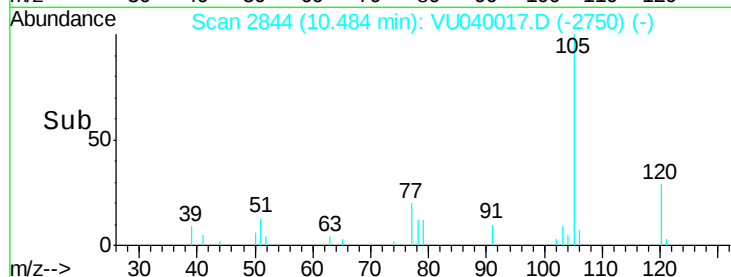
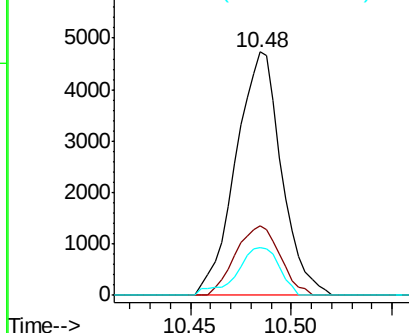
#56
Isopropylbenzene
Concen: 0.173 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:105 Resp: 7498
Ion Ratio Lower Upper
105 100
120 27.9 20.1 30.1
77 18.2 14.4 21.6

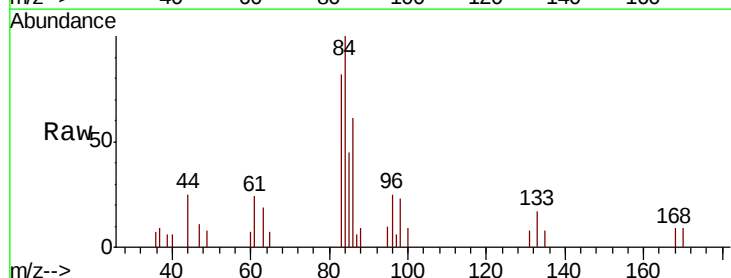


Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V

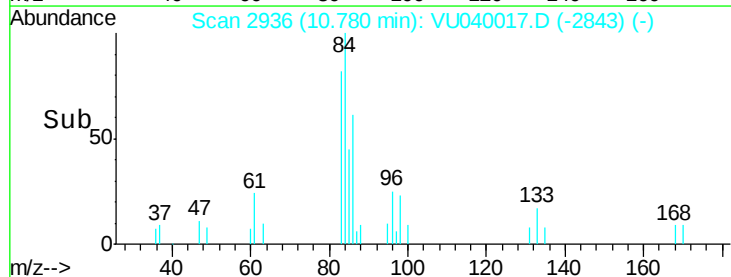
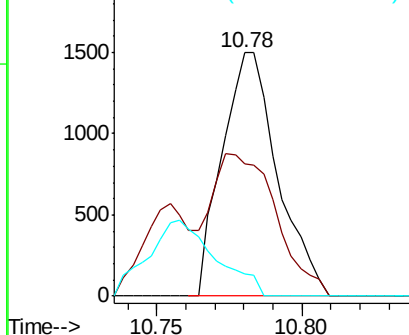


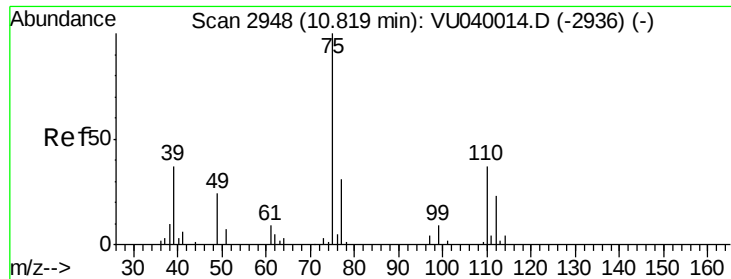
#58
1,1,2,2-Tetrachloroethane
Concen: 0.197 ug/L
RT: 10.78 min Scan# 2936
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Tgt Ion: 83 Resp: 1987
Ion Ratio Lower Upper
83 100
85 54.2 44.9 83.3
131 9.3 7.4 11.0



Abundance Ion 82.95 (82.65 to 83.65): VU
Ion 85.00 (84.70 to 85.70): VU
Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.267 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

MSVOA_U

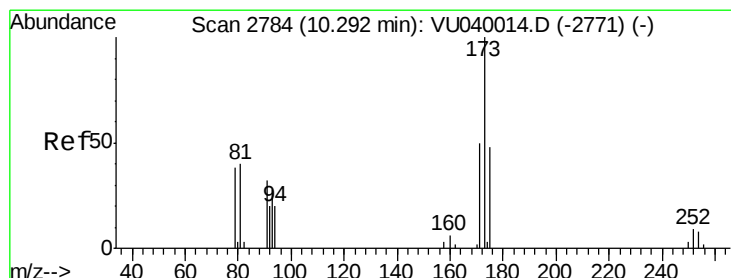
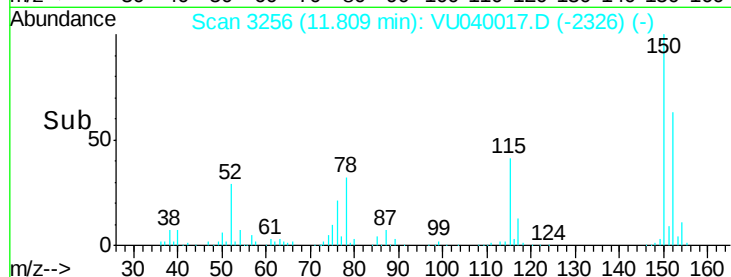
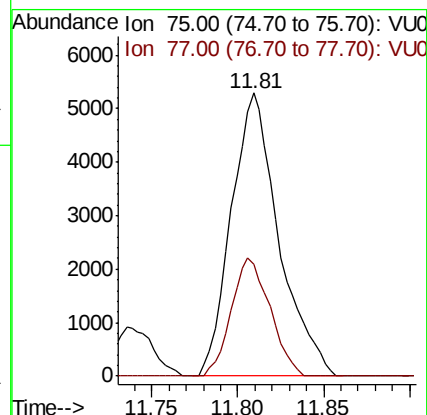
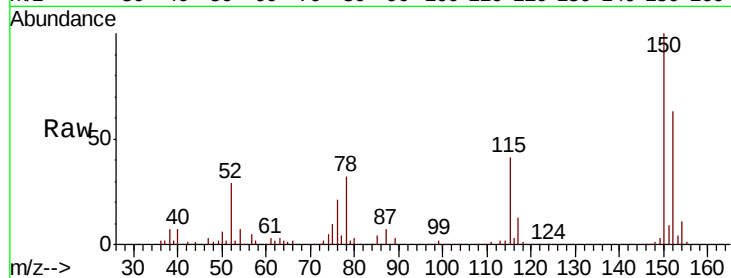
ClientSampleId :

Tot Ion: 75 Resp: 10157

Ion Ratio Lower Upper

75 100

77 33.9 24.9 37.3



#61

Bromoform

Concen: 0.196 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

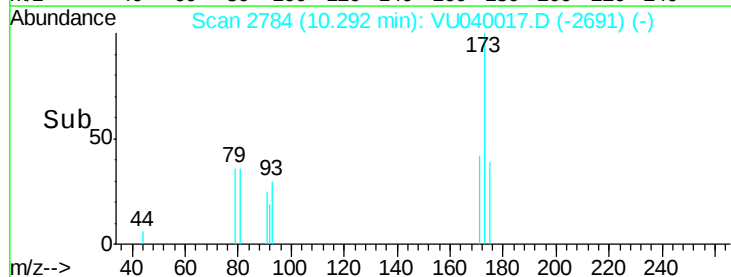
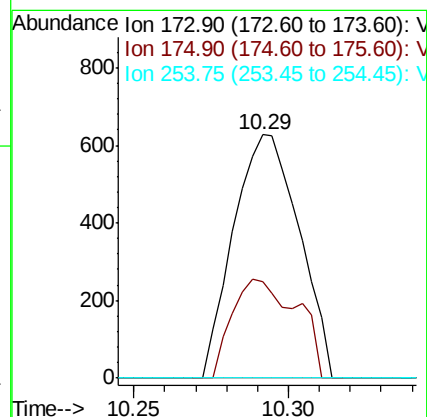
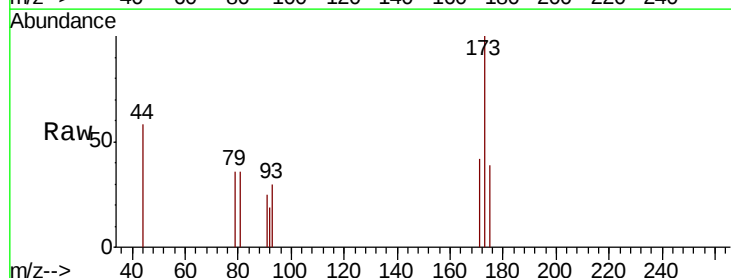
Tgt Ion: 173 Resp: 928

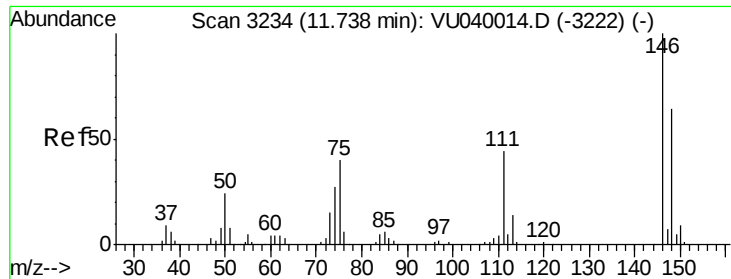
Ion Ratio Lower Upper

173 100

175 40.1 37.8 56.6

254 0.0 6.8 10.2#





#62

1,3-Dichlorobenzene

Concen: 0.209 ug/L

RT: 11.74 min Scan# 3236

Delta R.T. 0.01 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

MSVOA_U

ClientSampled :

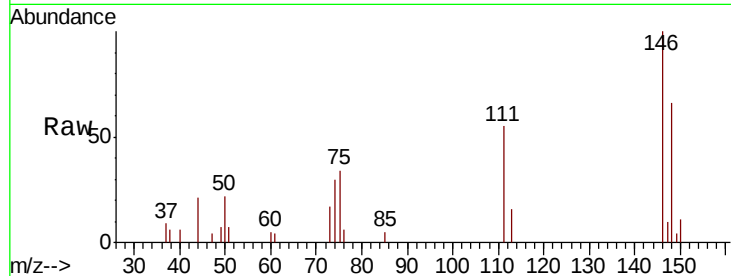
Tot Ion:146 Resp: 3939

Ion Ratio Lower Upper

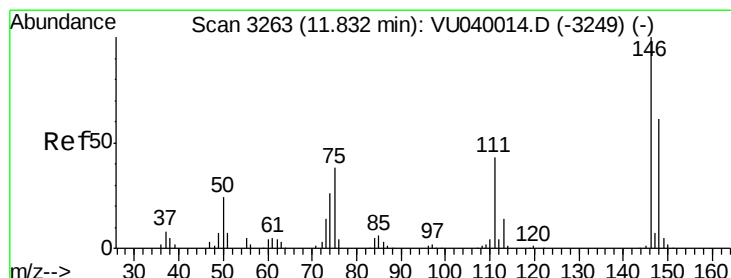
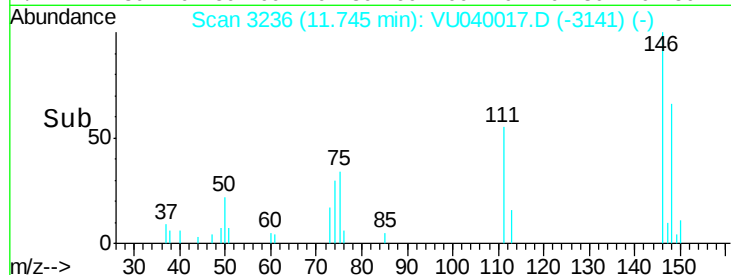
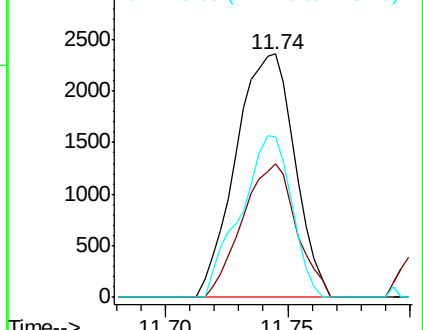
146 100

111 54.8 31.6 58.8

148 65.8 44.2 82.0



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



#63

1,4-Dichlorobenzene

Concen: 0.213 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

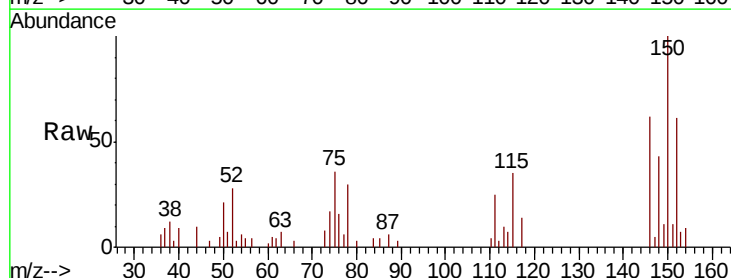
Tgt Ion:146 Resp: 4071

Ion Ratio Lower Upper

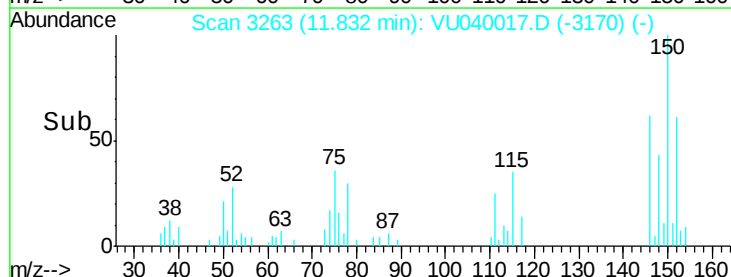
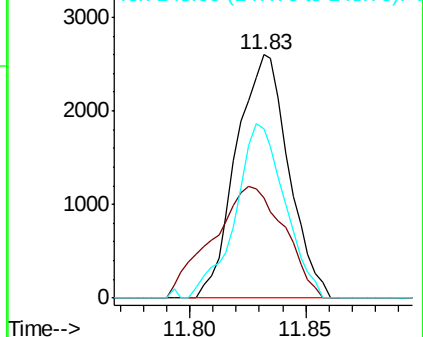
146 100

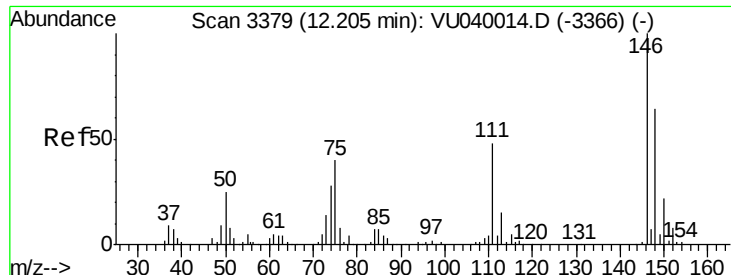
111 41.3 30.5 56.7

148 69.4 45.4 84.4



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.195 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

MSVOA_U

ClientSampled :

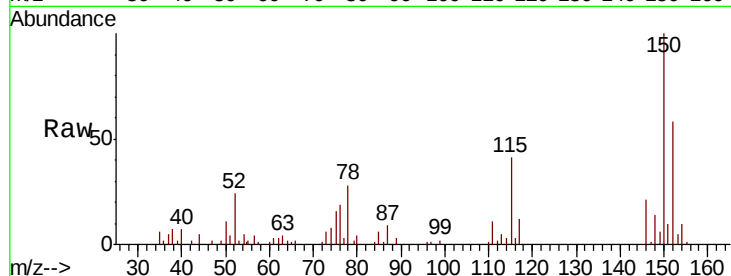
Tot Ion:146 Resp: 3569

Ion Ratio Lower Upper

146 100

111 55.0 36.5 54.7#

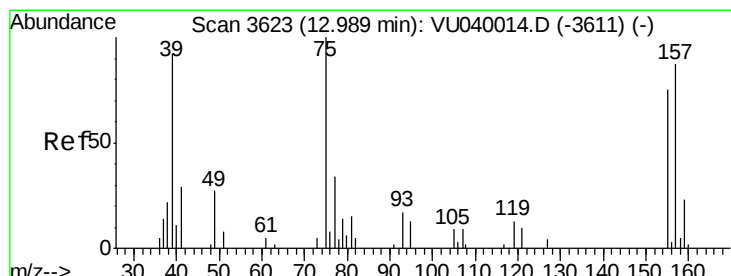
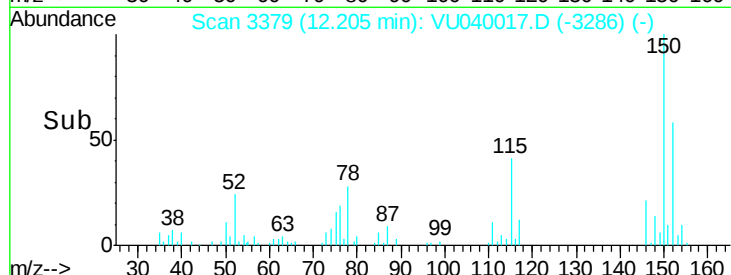
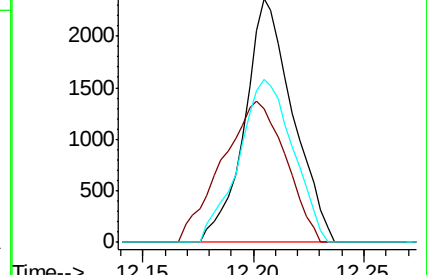
148 66.8 48.6 72.8



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: 0.123 ug/L

RT: 12.99 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

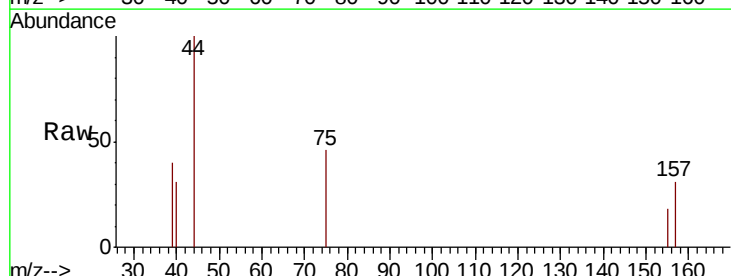
Tgt Ion: 75 Resp: 240

Ion Ratio Lower Upper

75 100

155 40.0 54.6 82.0#

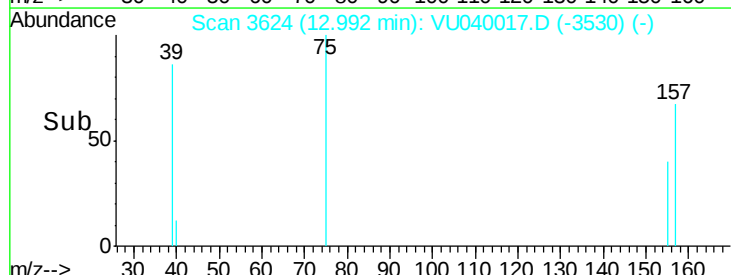
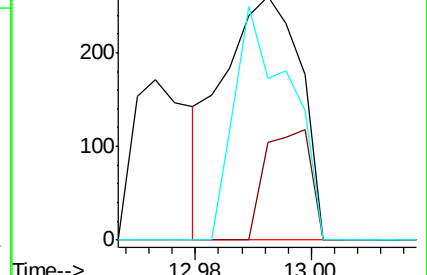
157 66.5 75.6 113.4#

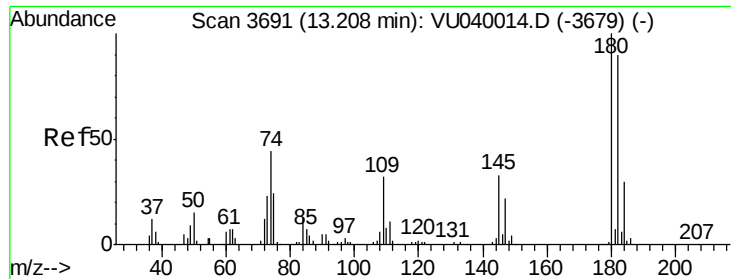


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

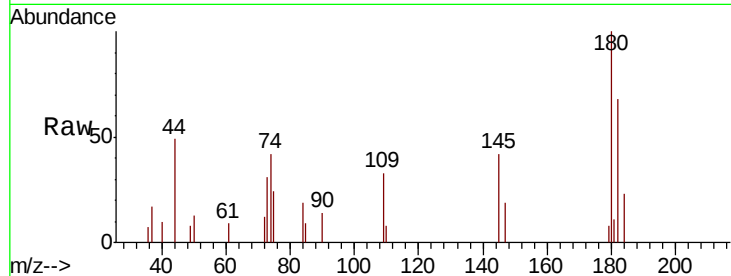




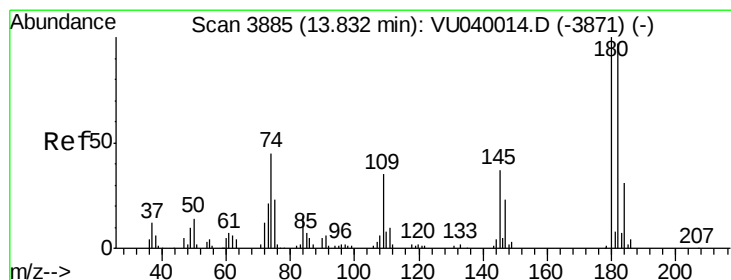
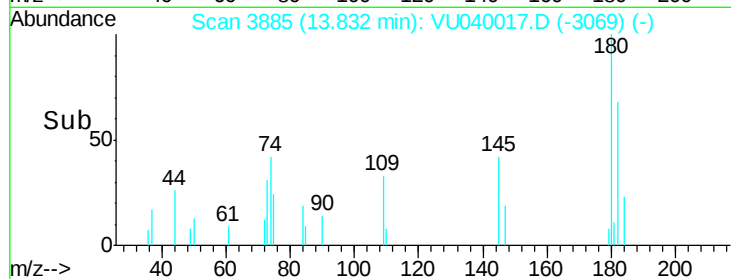
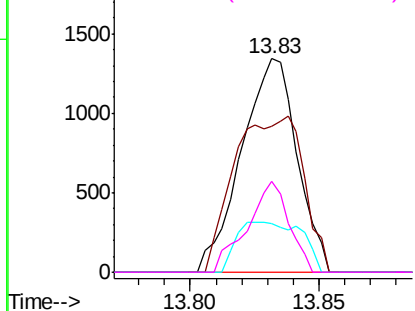
#67
 1,3,5-Trichlorobenzene
 Concen: 0.152 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.62 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	180	Resp:	2018
Ion	Ratio	Lower	Upper
180	100		
182	91.4	76.9	115.3
184	27.4	24.6	36.8
145	31.8	27.0	40.6

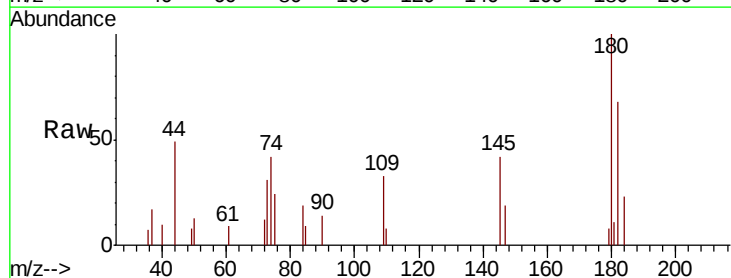


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

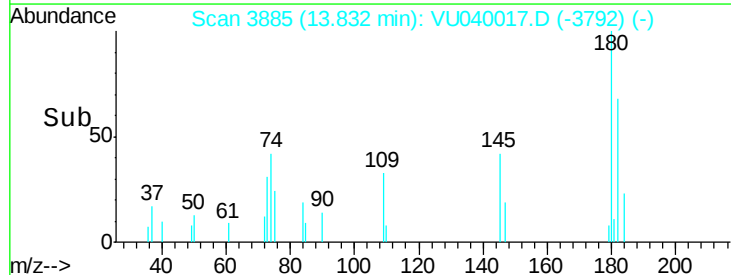
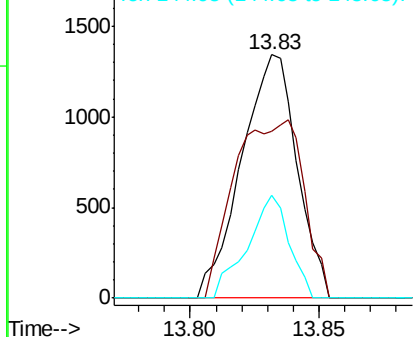


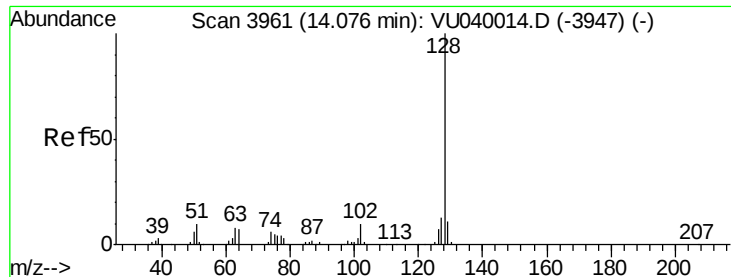
#68
 1,2,4-trichlorobenzene
 Concen: 0.176 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Tgt Ion:	180	Resp:	2018
Ion	Ratio	Lower	Upper
180	100		
182	91.4	76.0	114.0
145	31.8	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: 0.144 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

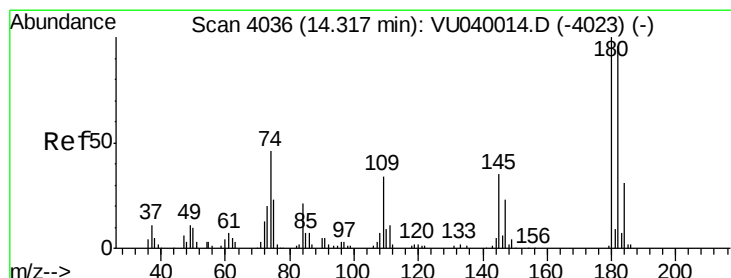
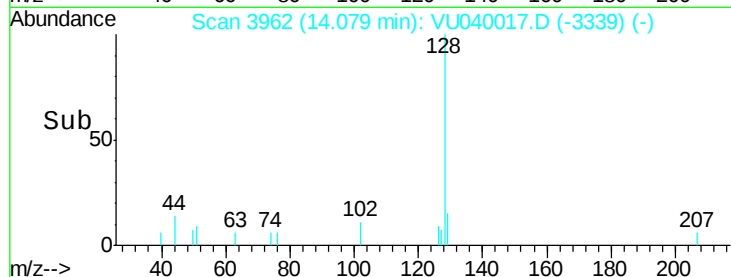
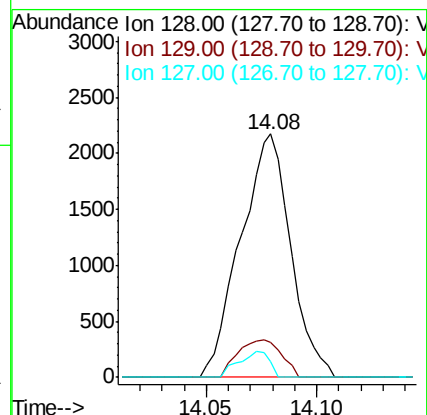
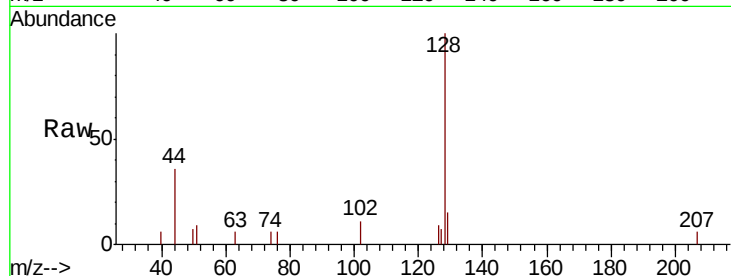
Tot Ion:128 Resp: 3429

Ion Ratio Lower Upper

128 100

129 13.5 8.7 13.1#

127 6.6 10.7 16.1#



#70

1,2,3-Trichlorobenzene

Concen: 0.154 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Tgt Ion:180 Resp: 1620

Ion Ratio Lower Upper

180 100

182 111.5 77.8 116.6

145 37.0 28.7 43.1

