

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090220\
 Data File : VU040019.D
 Acq On : 02 Sep 2020 12:11
 Operator : SY/MD
 Sample : MDL04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 03 01:18:52 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	114171	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	112315	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52162	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29694	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.92	69	25226	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.58	63	54219	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	4.65	46	141267	56.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.32%
24) Chloroform-d	5.08	84	69889	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.72	65	46293	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.74	84	133179	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.70	67	44429	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.91	98	115733	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	8.19	79	19067	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.64	63	101618	54.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.06%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	40055	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	45524	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	2391	0.211	ug/L #	84
3) Chloromethane	1.53	50	2604	0.240	ug/L	93
5) Vinyl chloride	1.61	62	2346	0.213	ug/L #	68
6) Bromomethane	1.87	94	1524	0.271	ug/L	98
8) Chloroethane	1.94	64	1676	0.254	ug/L	95
9) Trichlorofluoromethane	2.15	101	3585	0.228	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2673	0.262	ug/L	86
12) 1,1-Dichloroethene	2.59	96	2260	0.256	ug/L #	1
13) Acetone	2.66	43	5728	2.482	ug/L	96
14) Carbon disulfide	2.81	76	6331	0.223	ug/L #	91
15) Methyl Acetate	2.97	43	1266	0.219	ug/L #	66
16) Methylene chloride	3.06	84	4808	0.416	ug/L	86
17) Methyl tert-butyl Ether	3.38	73	6121	0.230	ug/L #	93
18) trans-1,2-Dichloroethene	3.37	96	2018	0.212	ug/L	89
19) 1,1-Dichloroethane	3.89	63	4310	0.220	ug/L	96
21) 2-Butanone	4.73	43	8052	2.137	ug/L #	76
22) cis-1,2-Dichloroethene	4.69	96	2455	0.240	ug/L	80

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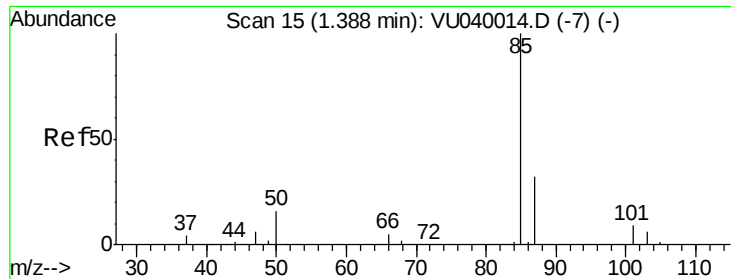
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 03 01:18:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.99	128	882	0.197	ug/L	88
25) Chloroform	5.10	83	6914	0.345	ug/L	92
27) 1,2-Dichloroethane	5.82	62	3305	0.225	ug/L #	94
29) 1,1,1-Trichloroethane	5.34	97	4329	0.245	ug/L	92
30) Cyclohexane	5.41	56	3516	0.206	ug/L #	89
31) Carbon tetrachloride	5.54	117	3327	0.220	ug/L	89
33) Benzene	5.79	78	8406	0.209	ug/L	100
34) Trichloroethene	6.55	95	2391	0.222	ug/L	85
35) Methylcyclohexane	6.77	83	3097	0.188	ug/L	97
37) 1,2-Dichloropropane	6.81	63	2426	0.223	ug/L #	90
38) Bromodichloromethane	7.12	83	3052	0.205	ug/L #	93
39) cis-1,3-Dichloropropene	7.61	75	3775	0.235	ug/L	86
40) 4-Methyl-2-pentanone	7.80	43	18948	2.123	ug/L	96
42) Toluene	7.98	91	8946	0.216	ug/L	93
44) trans-1,3-Dichloropropene	8.22	75	4017	0.270	ug/L #	47
45) 1,1,2-Trichloroethane	8.41	97	1662	0.210	ug/L	91
47) Tetrachloroethene	8.56	164	1612	0.228	ug/L	82
48) 2-Hexanone	8.69	43	17198	2.641	ug/L	98
49) Dibromochloromethane	8.82	129	1825	0.192	ug/L	90
50) 1,2-Dibromoethane	8.92	107	1590	0.208	ug/L #	87
51) Chlorobenzene	9.45	112	5763	0.224	ug/L	93
52) Ethylbenzene	9.57	91	9928	0.211	ug/L	95
53) m,p-Xylene	9.69	106	3455	0.206	ug/L	81
54) o-Xylene	10.10	106	3317	0.208	ug/L	94
55) Styrene	10.11	104	5450	0.196	ug/L	99
56) Isopropylbenzene	10.48	105	8056	0.185	ug/L	96
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	2216	0.218	ug/L	92
59) 1,2,3-Trichloropropane	11.81	75	10457	1.297	ug/L	98
61) Bromoform	10.29	173	887	0.185	ug/L #	70
62) 1,3-Dichlorobenzene	11.74	146	4160	0.218	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	4484	0.232	ug/L	92
65) 1,2-Dichlorobenzene	12.20	146	4507	0.244	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	347	0.176	ug/L #	80
67) 1,3,5-Trichlorobenzene	13.21	180	3175	0.237	ug/L	91
68) 1,2,4-trichlorobenzene	13.83	180	2136	0.185	ug/L	91
69) Naphthalene	14.08	128	4063	0.169	ug/L #	88
70) 1,2,3-Trichlorobenzene	14.32	180	2174	0.205	ug/L #	89

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



#2

Dichlorodifluoromethane

Concen: 0.211 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

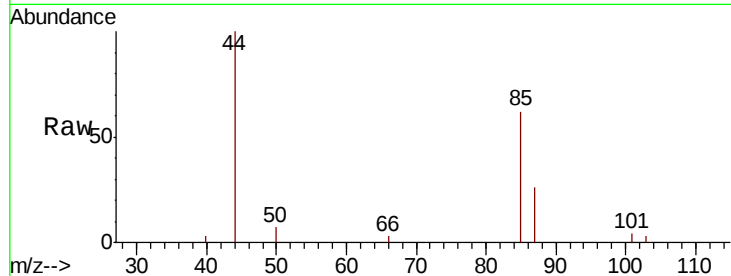
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 2391

Ion Ratio Lower Upper

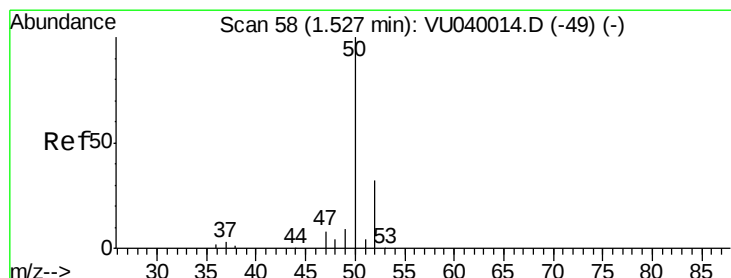
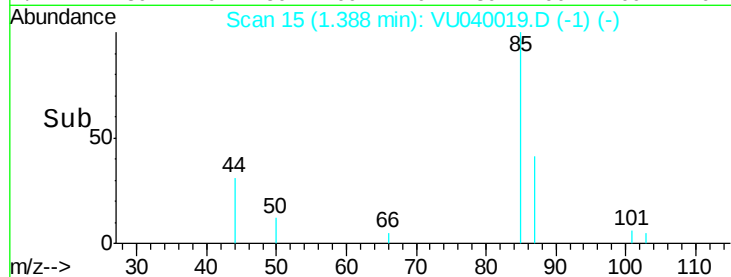
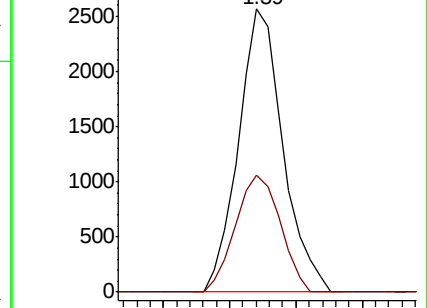
85 100

87 41.6 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: 0.240 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040019.D

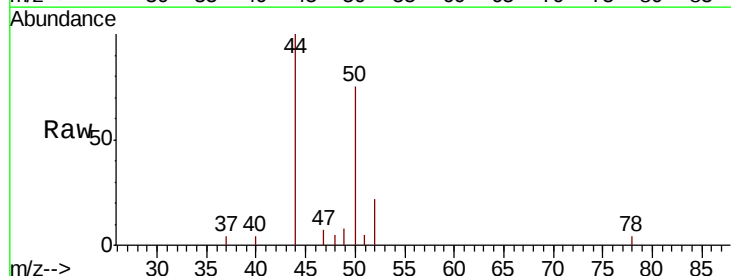
Acq: 02 Sep 2020 12:11

Tgt Ion: 50 Resp: 2604

Ion Ratio Lower Upper

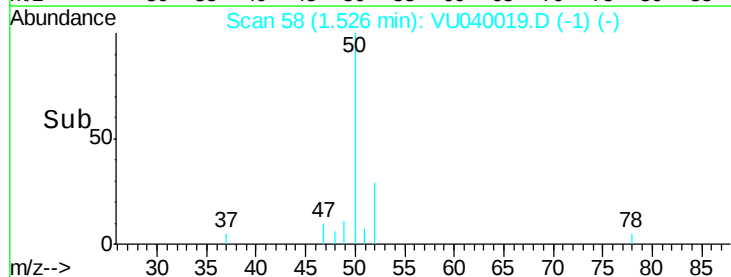
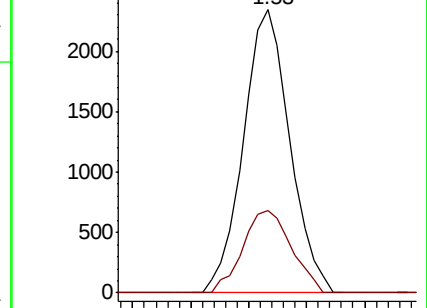
50 100

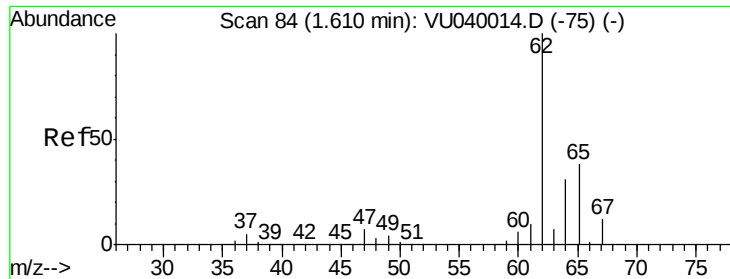
52 28.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.213 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

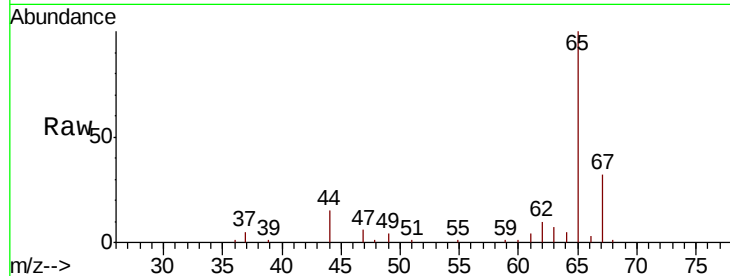
ClientSampled :

Tot Ion: 62 Resp: 2346

Ion Ratio Lower Upper

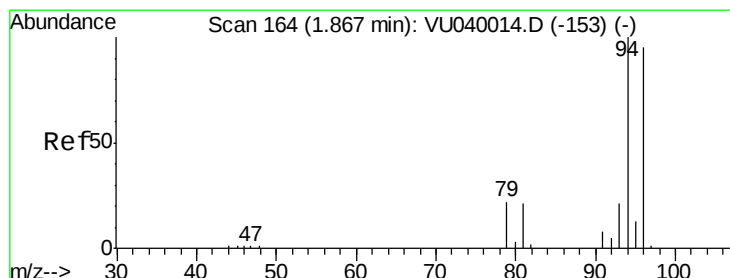
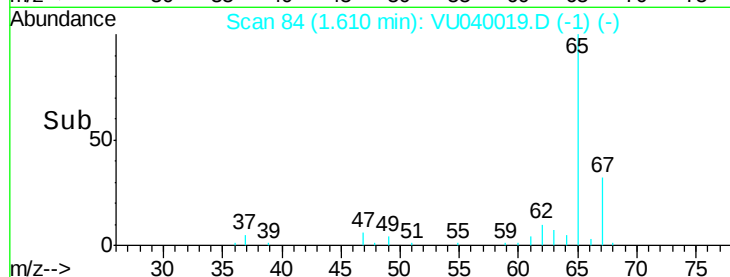
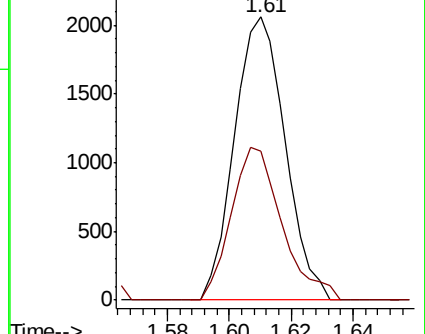
62 100

64 52.5 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: 0.271 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040019.D

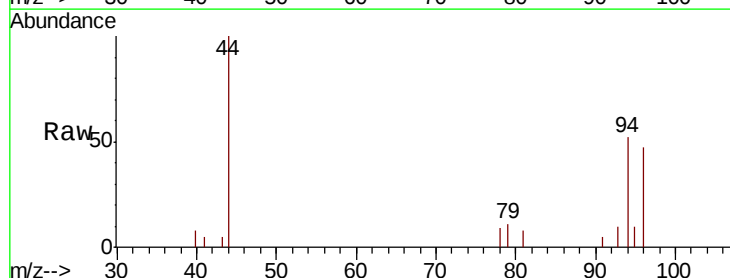
Acq: 02 Sep 2020 12:11

Tgt Ion: 94 Resp: 1524

Ion Ratio Lower Upper

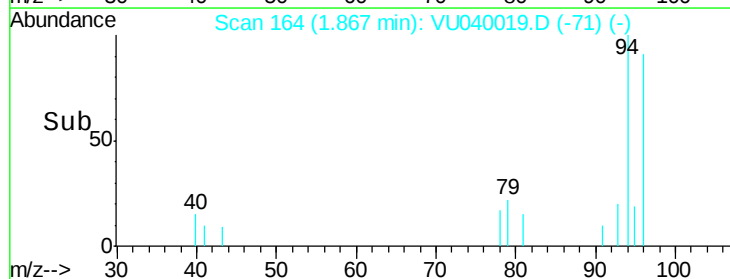
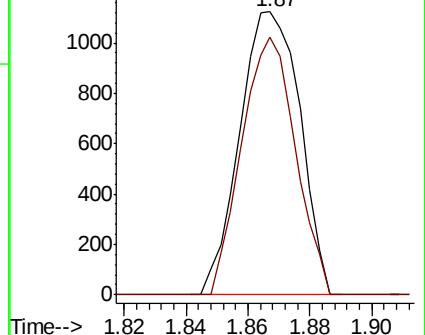
94 100

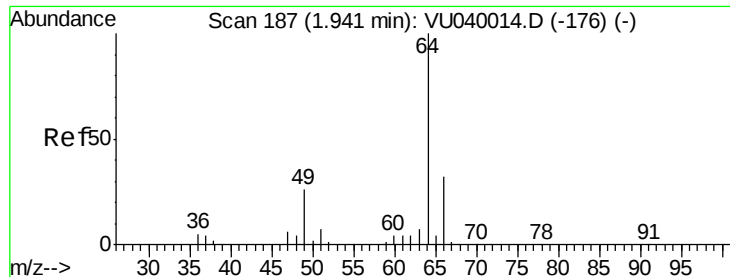
96 91.1 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.254 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

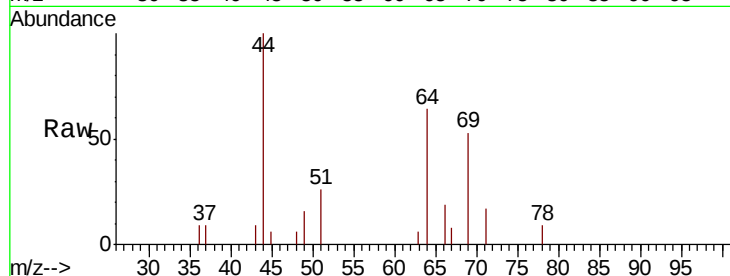
ClientSampleId :

Tot Ion: 64 Resp: 1676

Ion Ratio Lower Upper

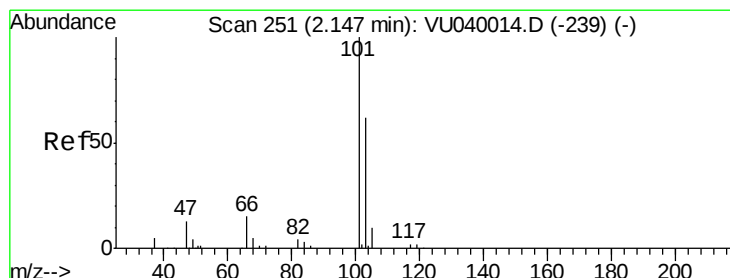
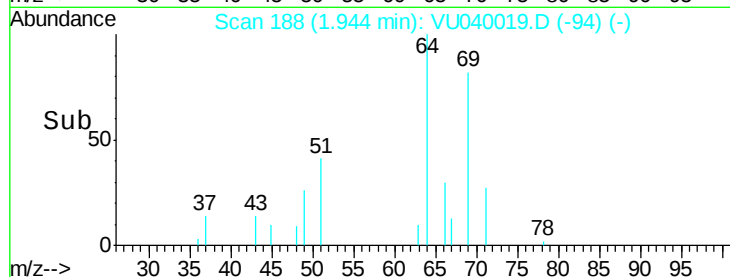
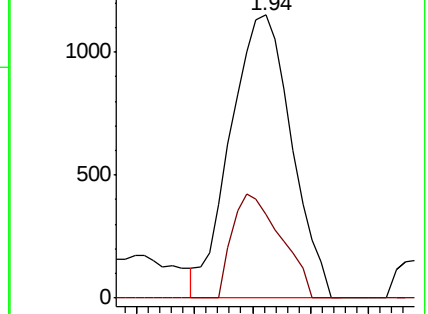
64 100

66 29.7 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU040019.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU040019.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 0.228 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040019.D

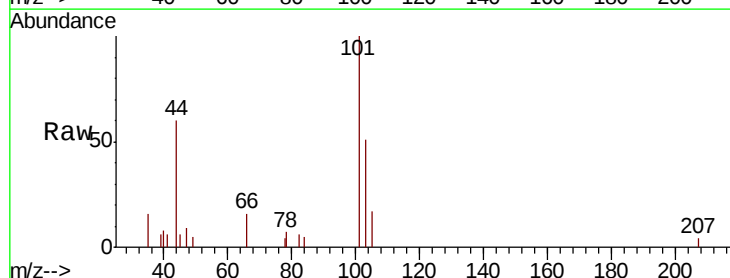
Acq: 02 Sep 2020 12:11

Tgt Ion:101 Resp: 3585

Ion Ratio Lower Upper

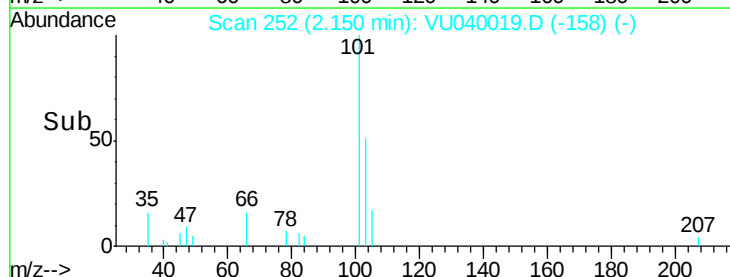
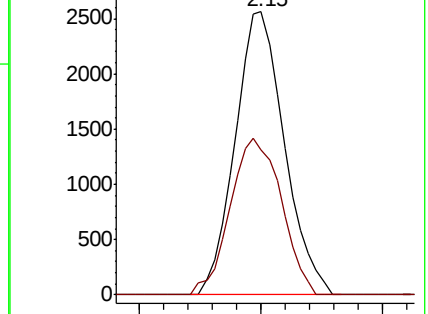
101 100

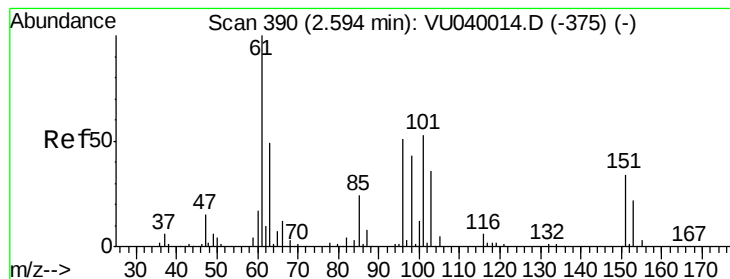
103 57.5 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU040019.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU040019.D (-239) (-)





#10

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

Concen: 0.262 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

ClientSampleId :

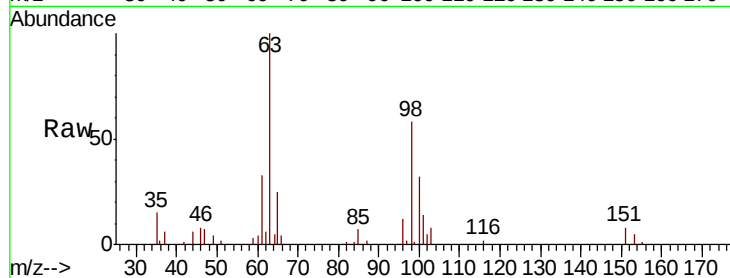
Tot Ion:101 Resp: 2673

Ion Ratio Lower Upper

101 100

85 40.0 37.7 56.5

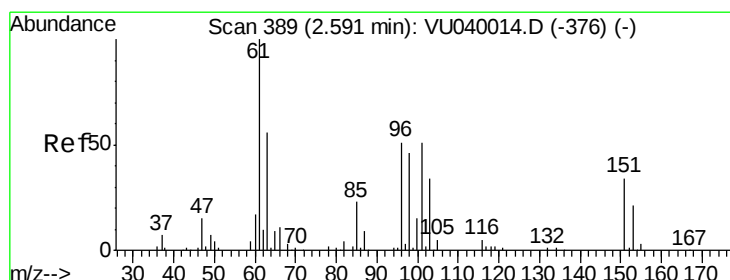
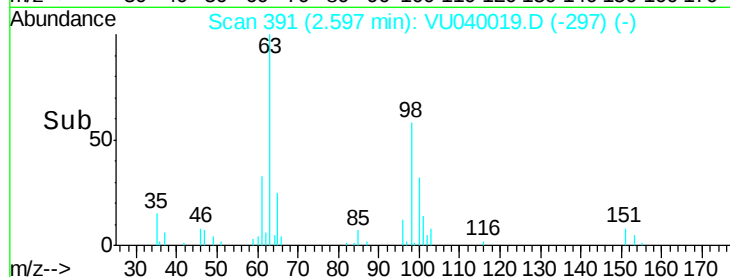
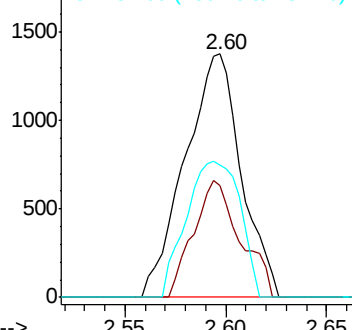
151 53.9 53.9 80.9



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: 0.256 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

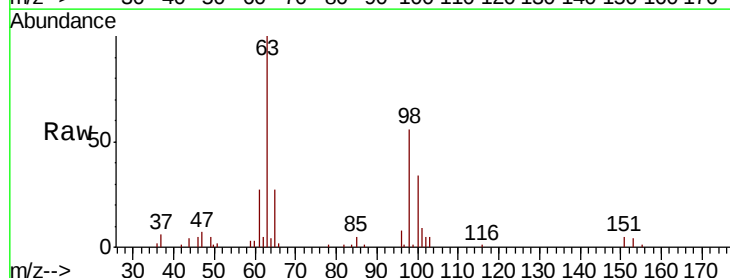
Tgt Ion: 96 Resp: 2260

Ion Ratio Lower Upper

96 100

61 321.2 138.3 256.8#

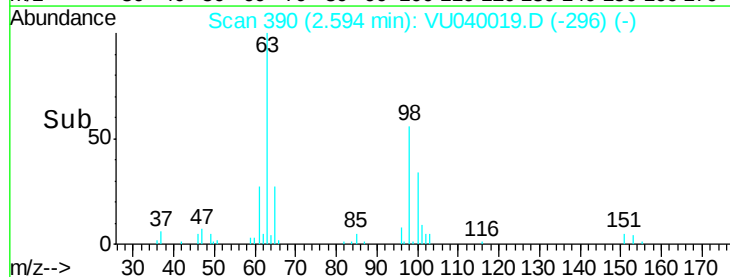
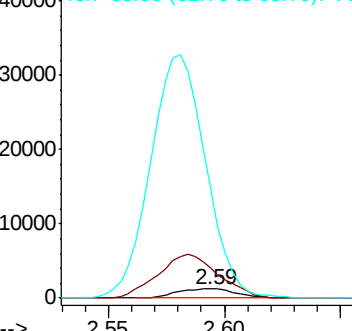
63 1187.2 77.6 144.2#

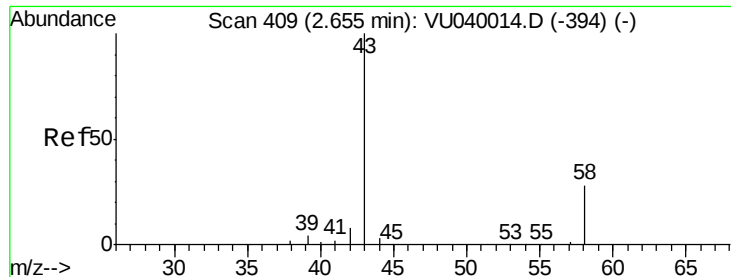


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.482 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

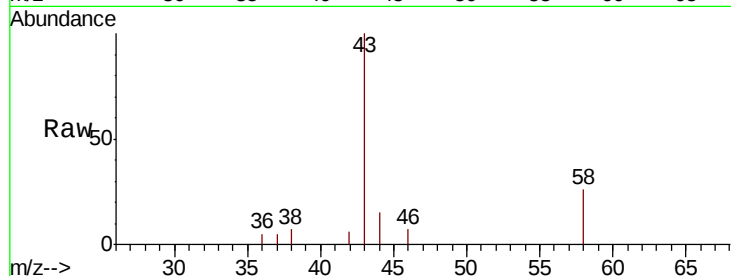
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 5728

Ion Ratio Lower Upper

43 100

58 25.4 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040019.D (-316) (-)

Ion 58.05 (57.75 to 58.75): VU040019.D (-316) (-)

2500

2000

1500

1000

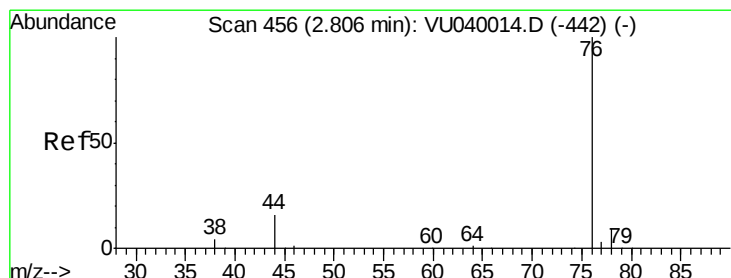
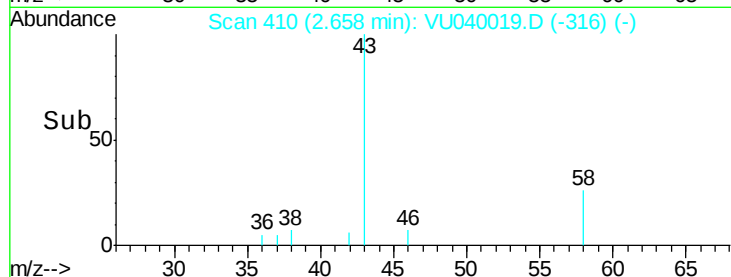
500

0

Time-->

2.60 2.65 2.70 2.75

2.66



#14

Carbon disulfide

Concen: 0.223 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040019.D

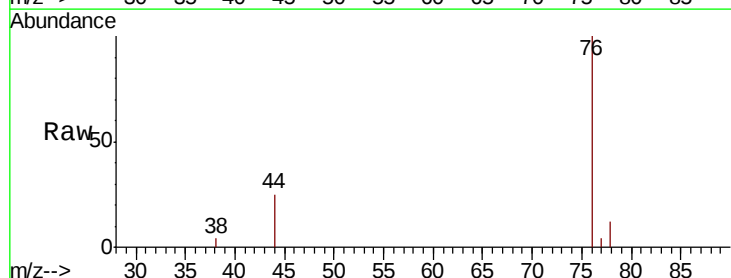
Acq: 02 Sep 2020 12:11

Tgt Ion: 76 Resp: 6331

Ion Ratio Lower Upper

76 100

78 12.2 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU040019.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040019.D (-363) (-)

4000

3000

2000

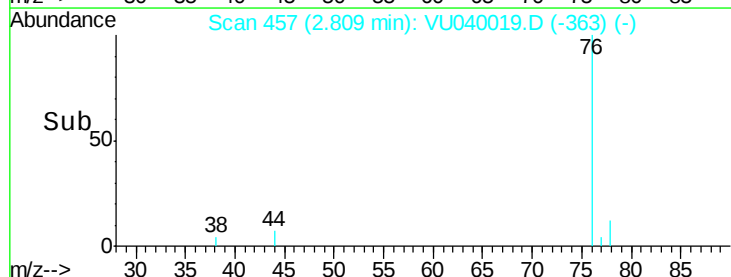
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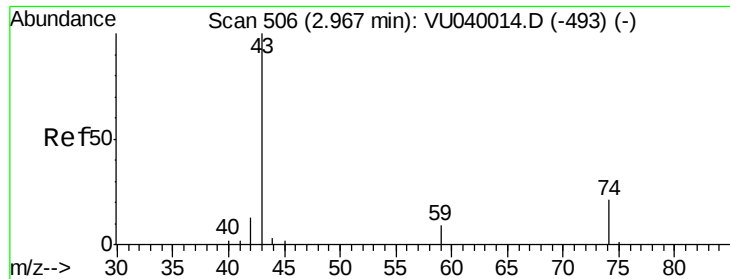
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Time-->

2.75 2.80 2.85

2.81





#15

Methyl Acetate

Concen: 0.219 ug/L

RT: 2.97 min Scan# 507

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

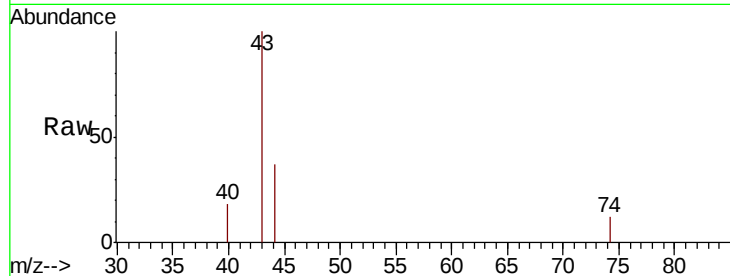
ClientSampled :

Tot Ion: 43 Resp: 1266

Ion Ratio Lower Upper

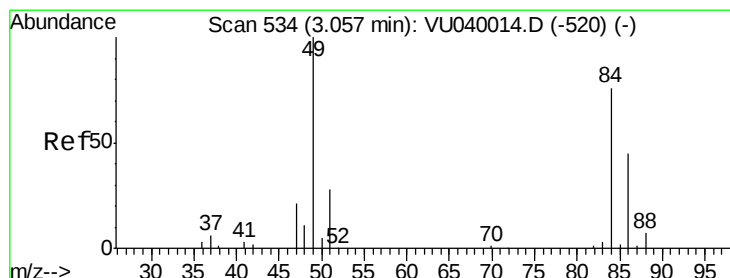
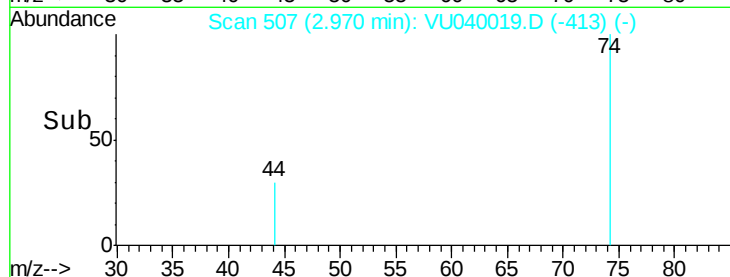
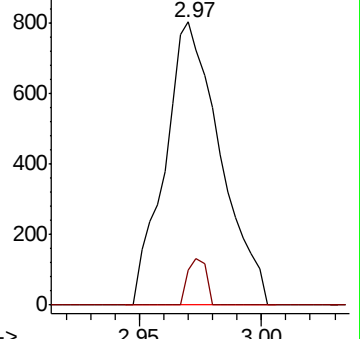
43 100

74 5.4 17.4 26.0#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.416 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.01 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

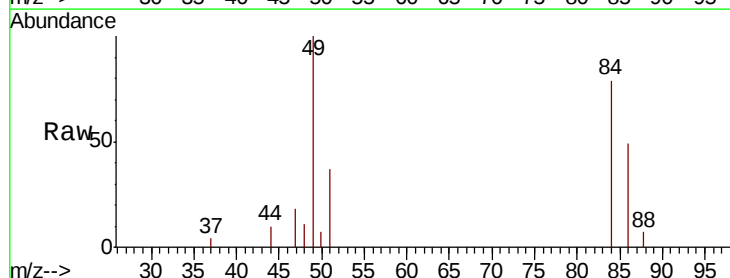
Tgt Ion: 84 Resp: 4808

Ion Ratio Lower Upper

84 100

86 61.4 45.2 84.0

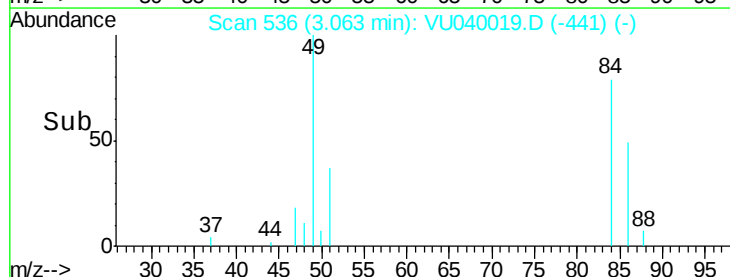
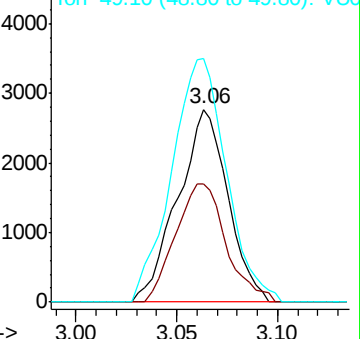
49 126.2 104.0 193.2

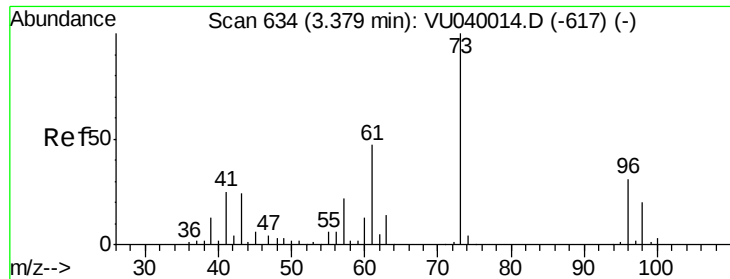


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

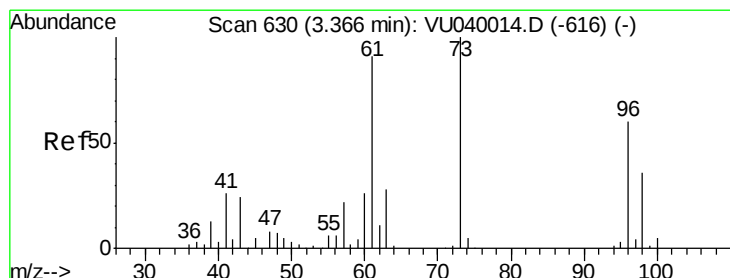
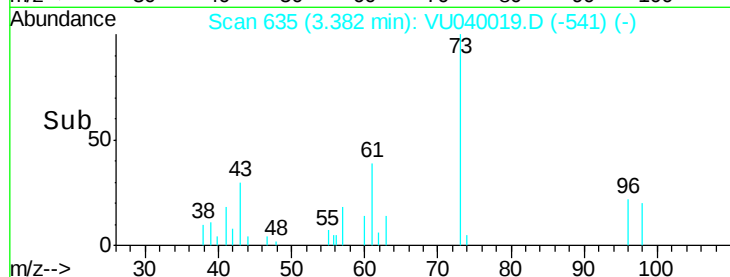
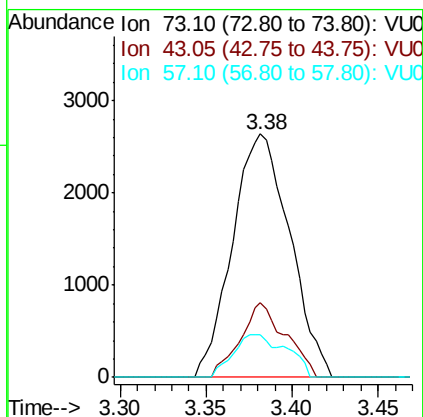
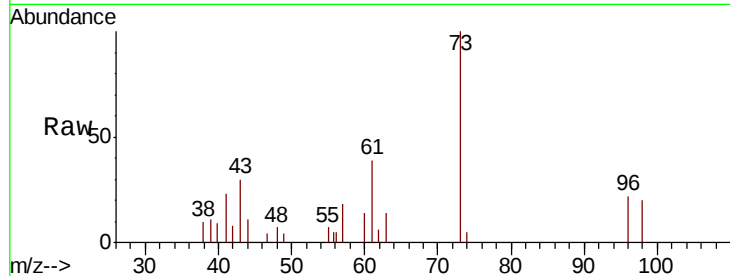




#17
Methvl tert-butvl Ether
Concen: 0.230 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

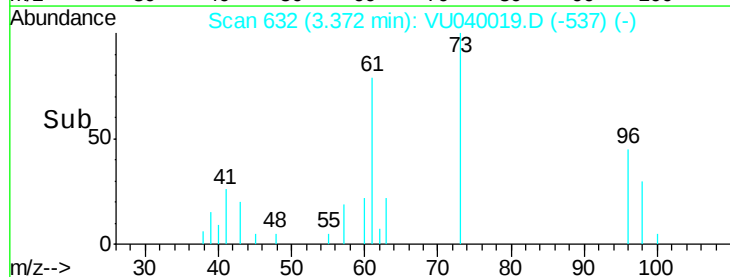
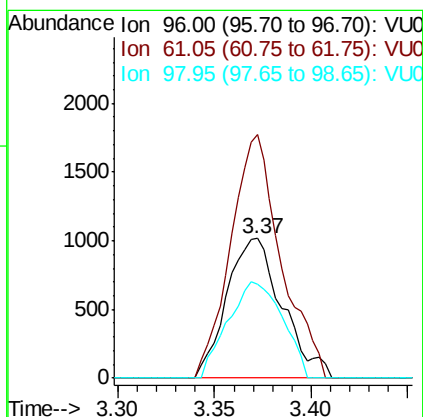
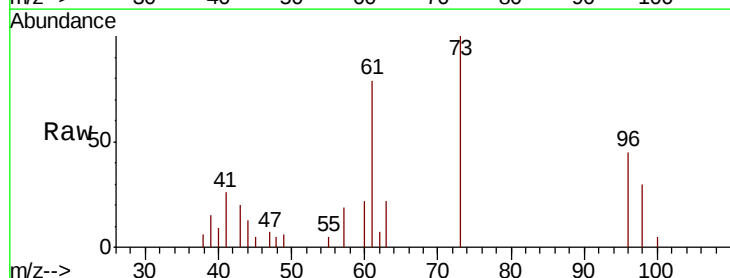
Instrument :
MSVOA_U
ClientSampleId :

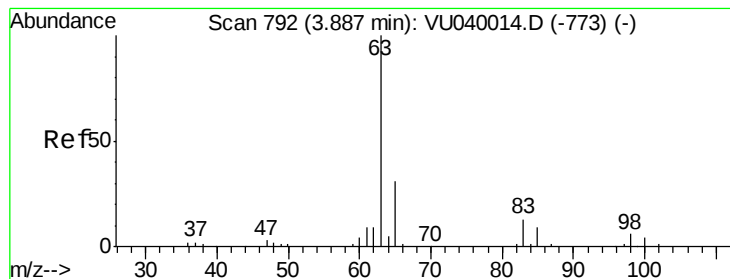
Tot Ion: 73 Resp: 6121
Ion Ratio Lower Upper
73 100
43 24.0 19.1 28.7
57 16.4 18.3 27.5#



#18
trans-1,2-Dichloroethene
Concen: 0.212 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Tgt Ion: 96 Resp: 2018
Ion Ratio Lower Upper
96 100
61 174.7 110.5 205.3
98 67.3 43.2 80.2





#19

1,1-Dichloroethane

Concen: 0.220 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

ClientSampleId :

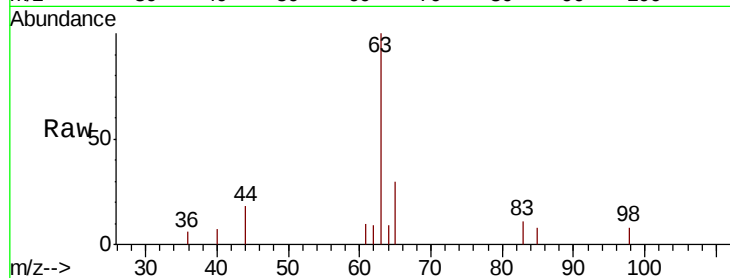
Tot Ion: 63 Resp: 4310

Ion	Ratio	Lower	Upper
63	100		
65	30.0	22.2	41.2
83	10.9	9.4	17.6

63 100

65 30.0 22.2 41.2

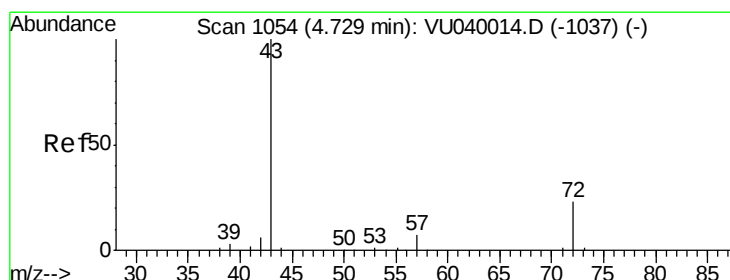
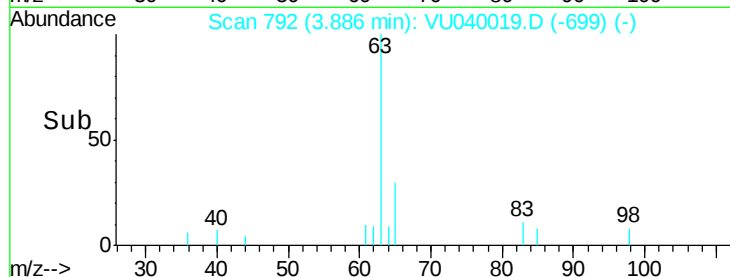
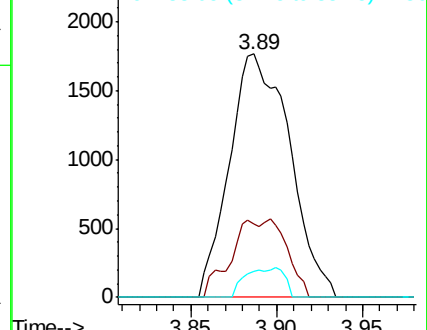
83 10.9 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU040019.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU040019.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU040019.D (-699) (-)



#21

2-Butanone

Concen: 2.137 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU040019.D

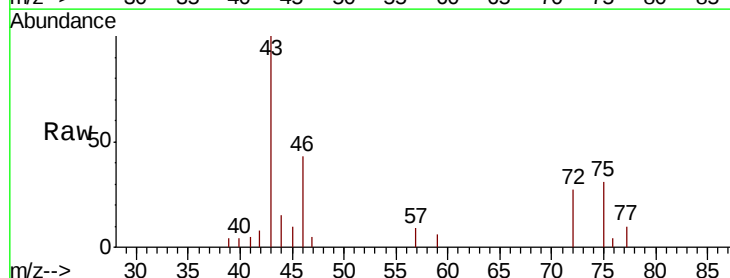
Acq: 02 Sep 2020 12:11

Tgt Ion: 43 Resp: 8052

Ion	Ratio	Lower	Upper
43	100		
72	11.6	11.7	35.0#

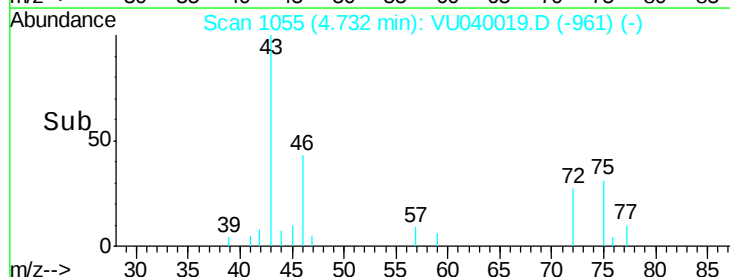
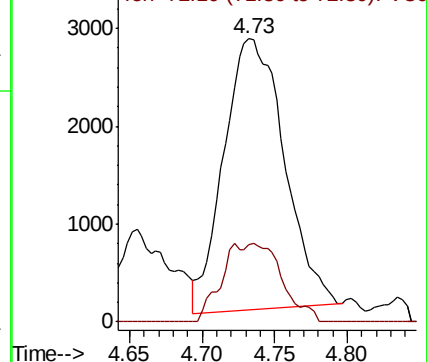
43 100

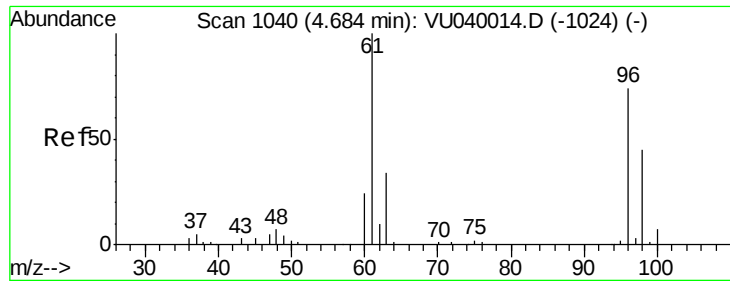
72 11.6 11.7 35.0#



Abundance Ion 43.05 (42.75 to 43.75): VU040019.D (-961) (-)

Ion 72.10 (71.80 to 72.80): VU040019.D (-961) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.240 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :
MSVOA_U
ClientSampled :

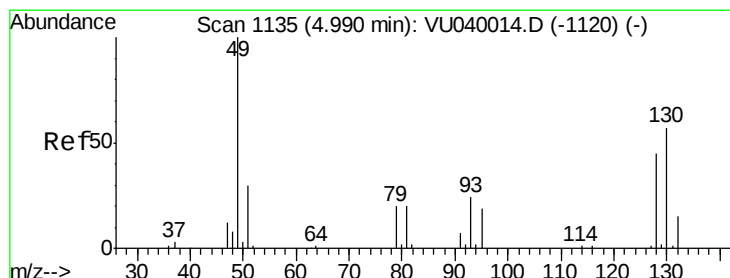
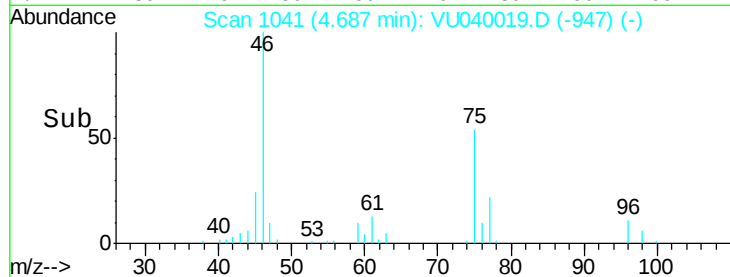
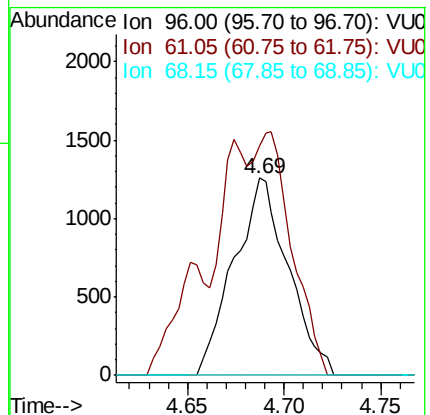
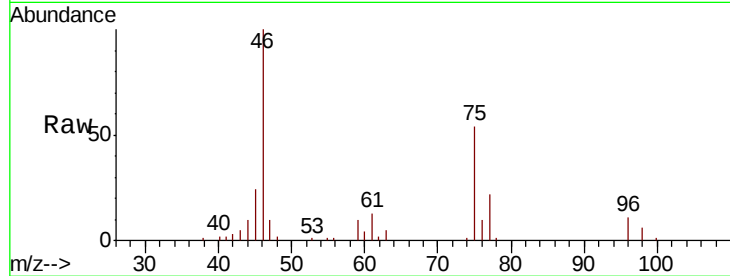
Tot Ion: 96 Resp: 2455

Ion Ratio Lower Upper

96 100

61 116.5 98.8 183.4

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 0.197 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Tgt Ion: 128 Resp: 882

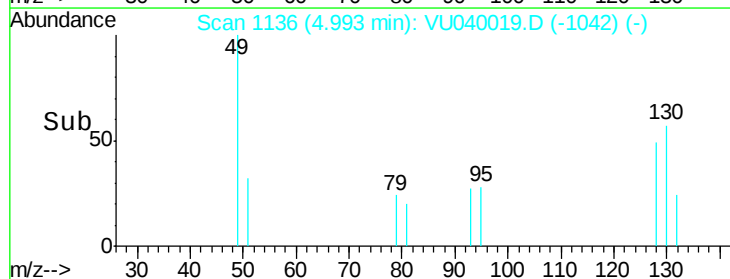
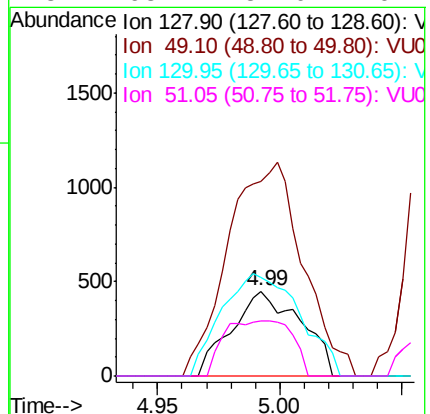
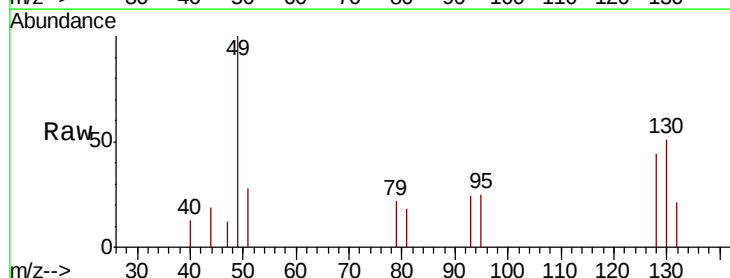
Ion Ratio Lower Upper

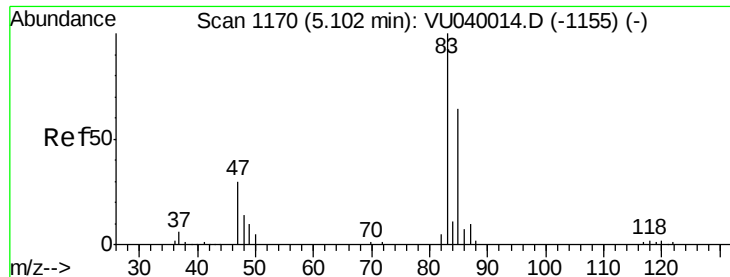
128 100

49 229.7 143.4 266.4

130 117.2 89.5 166.3

51 65.4 51.0 76.4

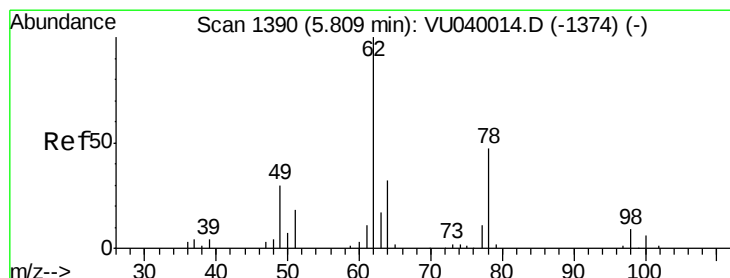
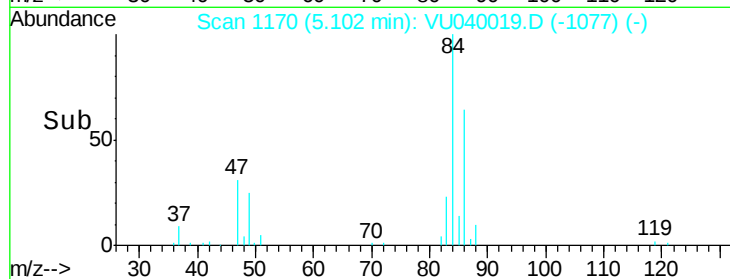
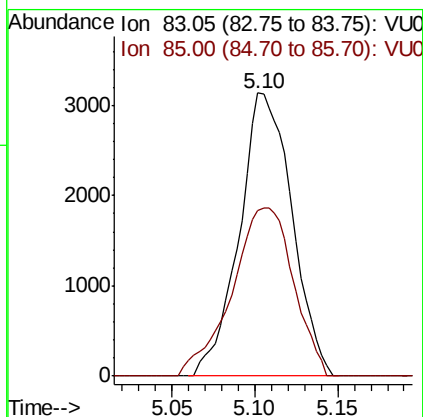
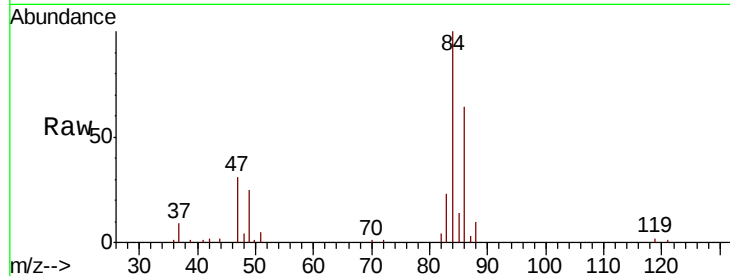




#25
Chloroform
Concen: 0.345 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

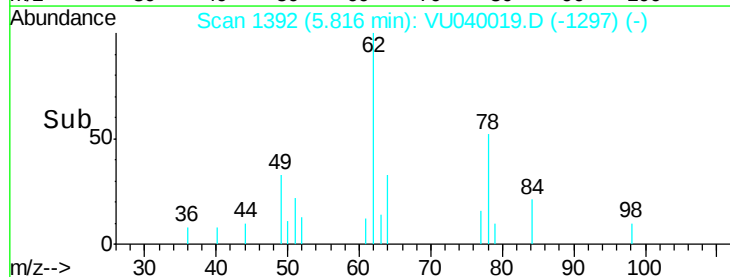
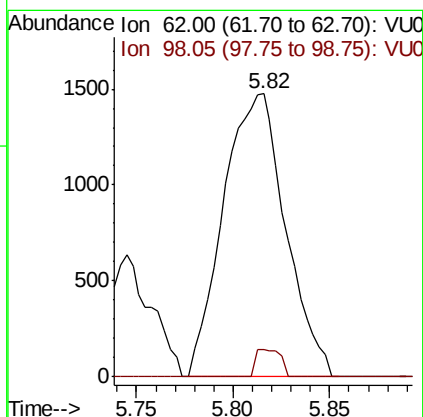
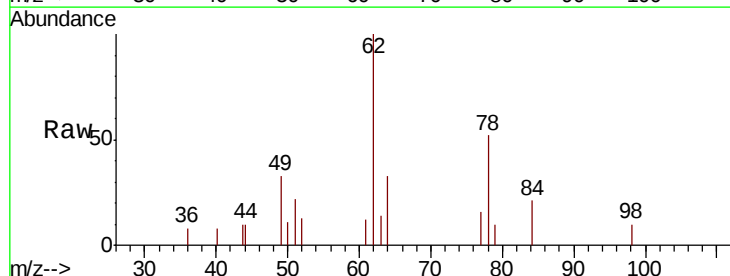
Instrument :
MSVOA_U
ClientSampleId :

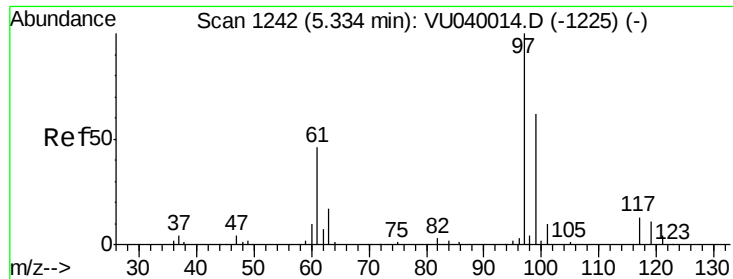
Tot Ion: 83 Resp: 6914
Ion Ratio Lower Upper
83 100
85 58.5 45.3 84.1



#27
1,2-Dichloroethane
Concen: 0.225 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Tgt Ion: 62 Resp: 3305
Ion Ratio Lower Upper
62 100
98 9.8 6.1 9.1#

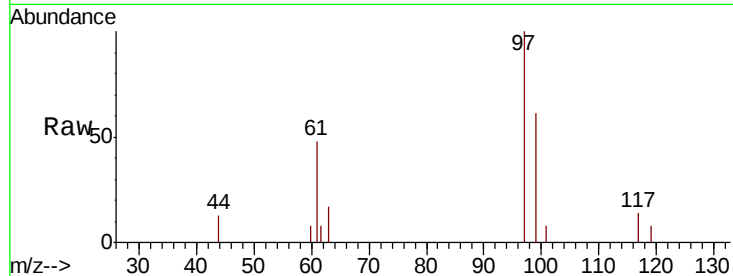




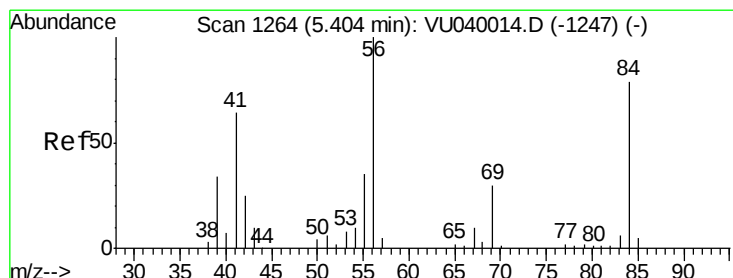
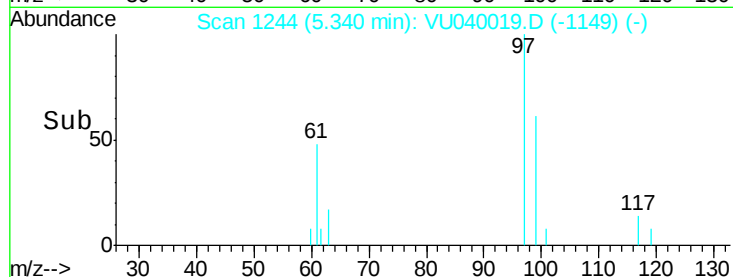
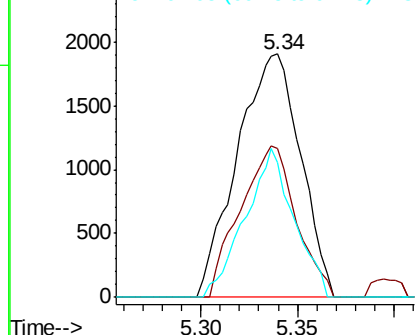
#29
1,1,1-Trichloroethane
Concen: 0.245 ug/L
RT: 5.34 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 4329
Ion Ratio Lower Upper
97 100
99 55.0 50.9 76.3
61 47.1 39.5 59.3

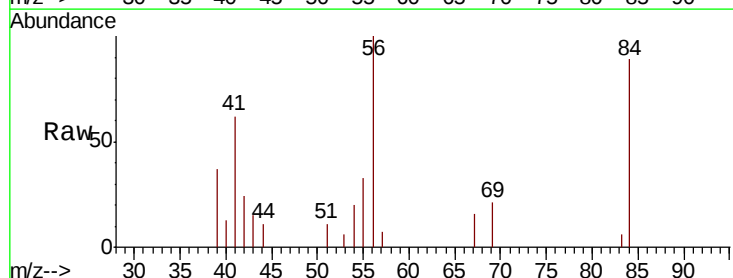


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

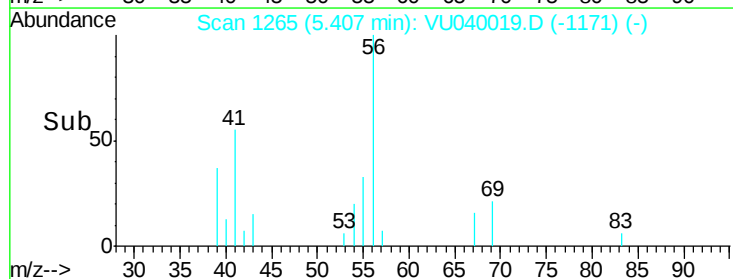
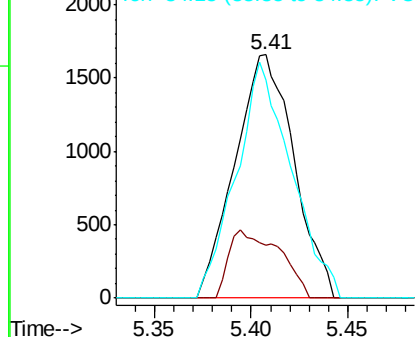


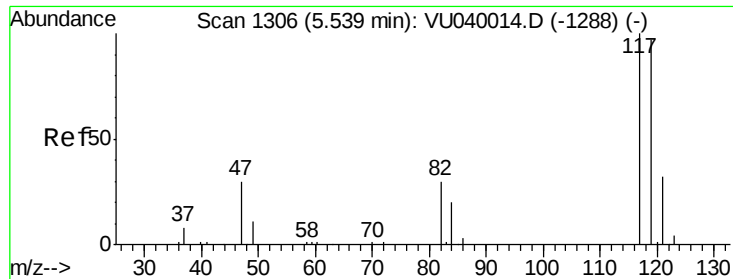
#30
Cyclohexane
Concen: 0.206 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Tgt Ion: 56 Resp: 3516
Ion Ratio Lower Upper
56 100
69 23.9 24.1 36.1#
84 90.8 65.0 97.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

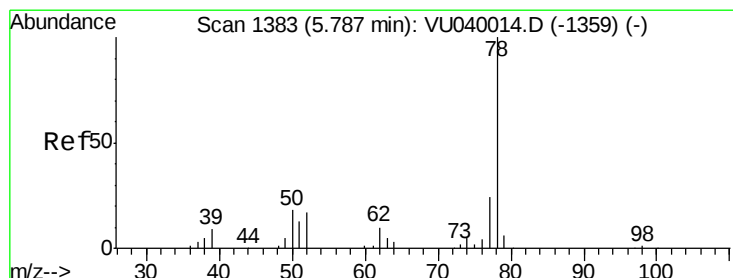
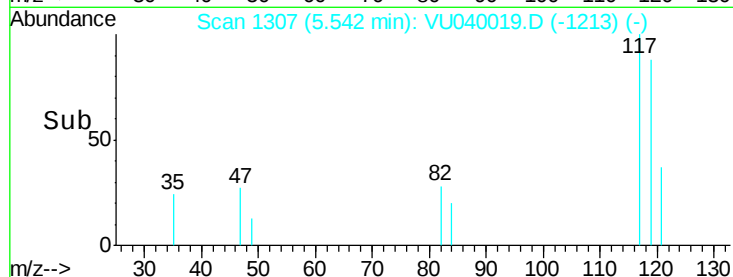
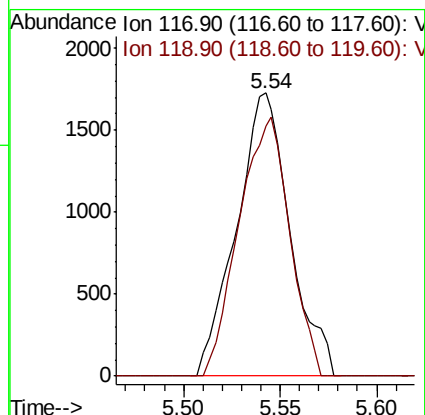
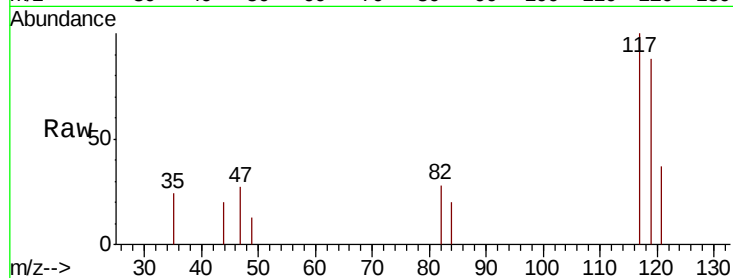




#31
 Carbon tetrachloride
 Concen: 0.220 ug/L
 RT: 5.54 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

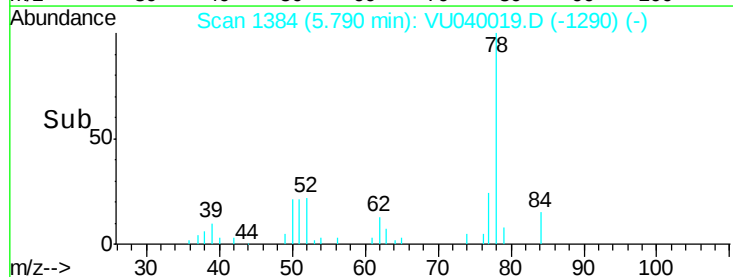
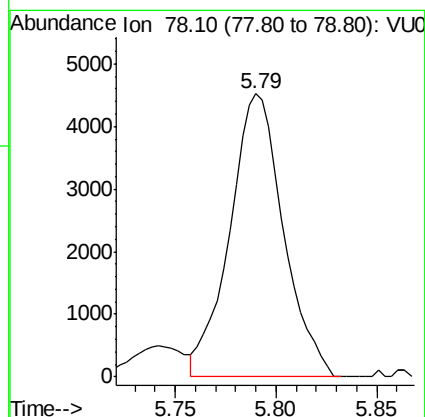
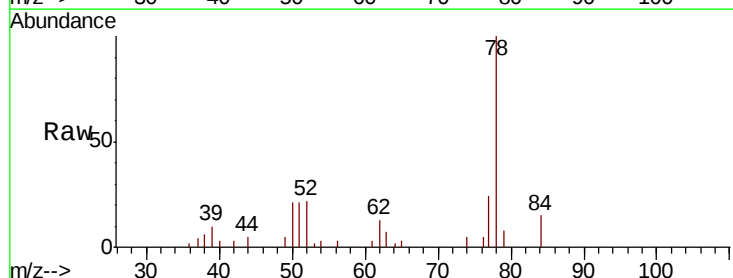
Instrument :
 MSVOA_U
 ClientSampleId :

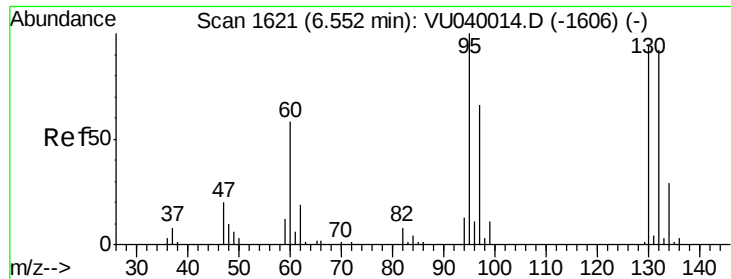
Tot Ion:117 Resp: 3327
 Ion Ratio Lower Upper
 117 100
 119 86.6 77.7 116.5



#33
 Benzene
 Concen: 0.209 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Tgt Ion: 78 Resp: 8406

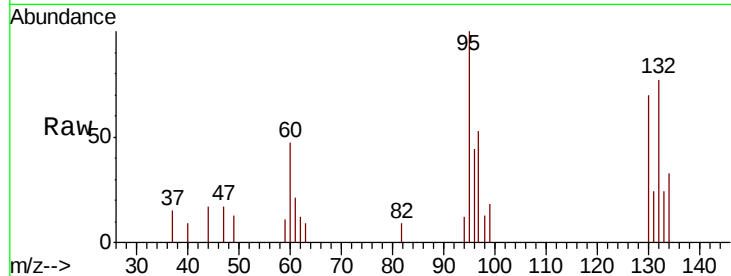




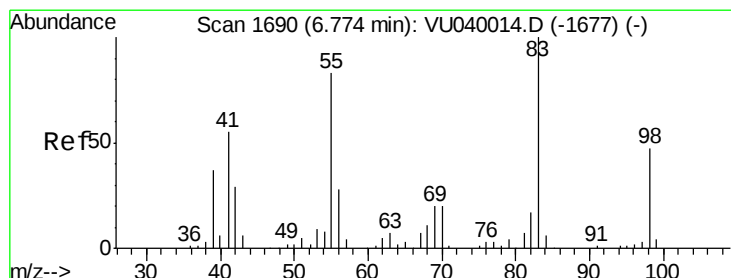
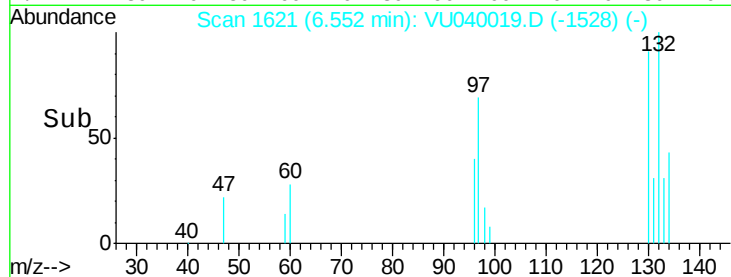
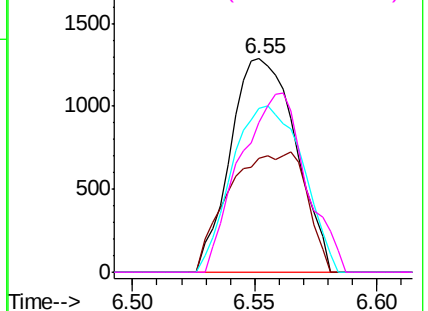
#34
 Trichloroethene
 Concen: 0.222 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 2391
 Ion Ratio Lower Upper
 95 100
 97 53.3 43.3 80.5
 132 76.8 59.4 110.4
 130 69.9 64.8 120.4

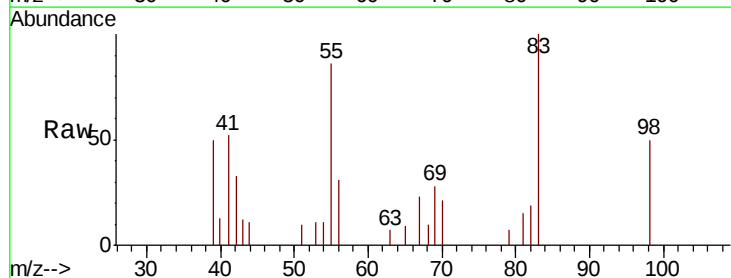


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

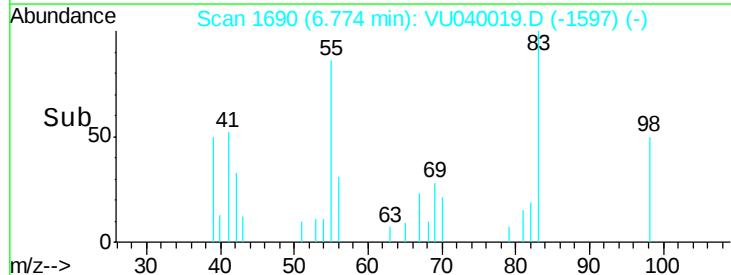
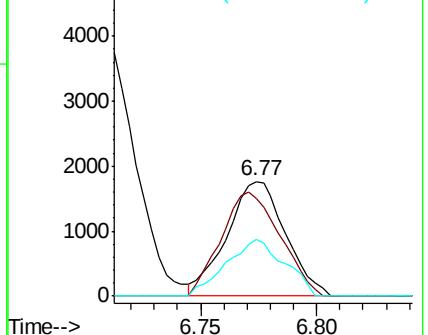


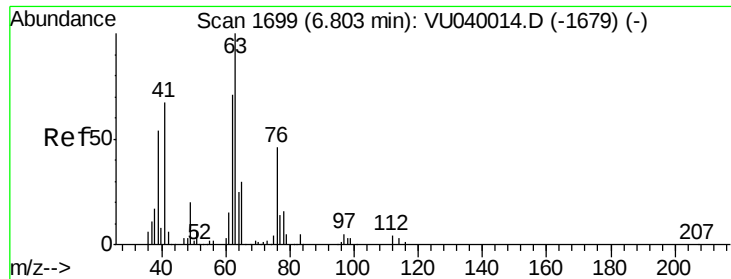
#35
 Methylcyclohexane
 Concen: 0.188 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Tgt Ion: 83 Resp: 3097
 Ion Ratio Lower Upper
 83 100
 55 91.4 70.5 105.7
 98 49.3 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: 0.223 ug/L

RT: 6.81 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

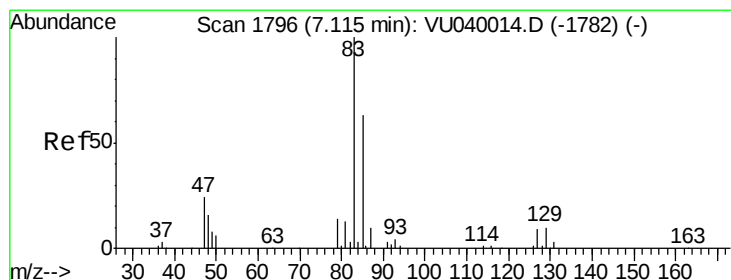
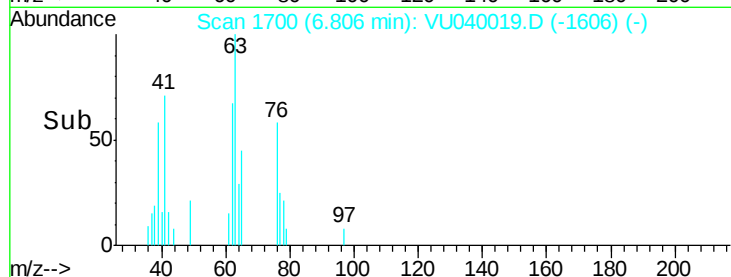
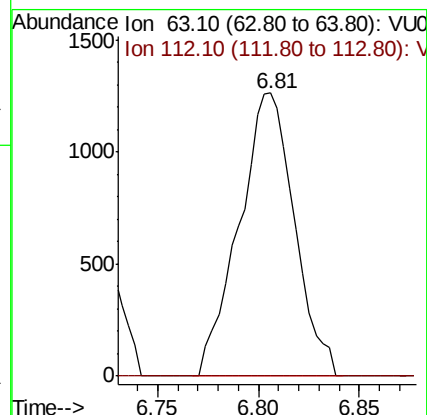
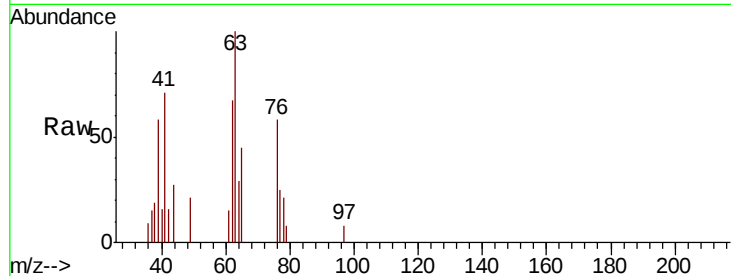
ClientSampleId :

Tot Ion: 63 Resp: 2426

Ion Ratio Lower Upper

63 100

112 0.8 3.2 4.8#



#38

Bromodichloromethane

Concen: 0.205 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

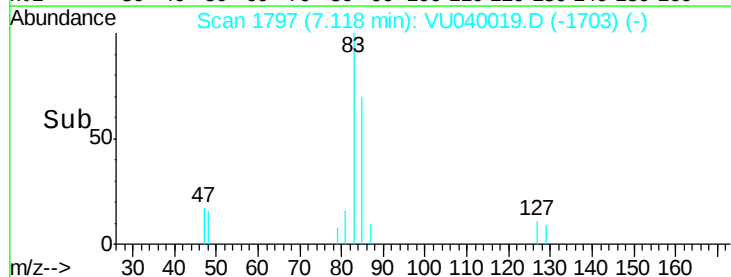
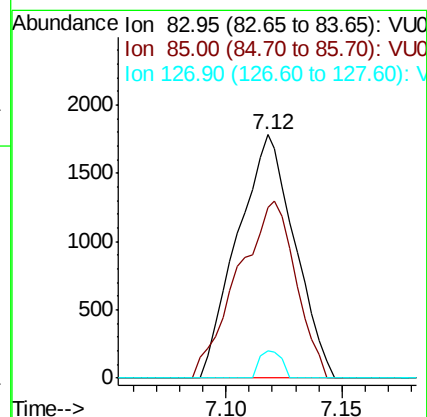
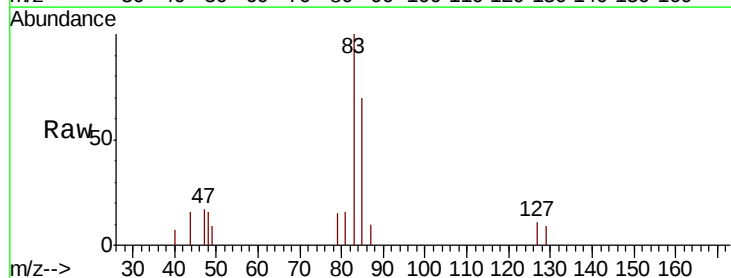
Tgt Ion: 83 Resp: 3052

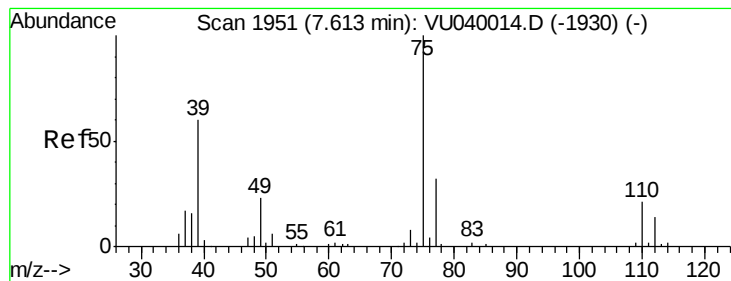
Ion Ratio Lower Upper

83 100

85 70.2 45.1 83.9

127 11.0 6.7 10.1#



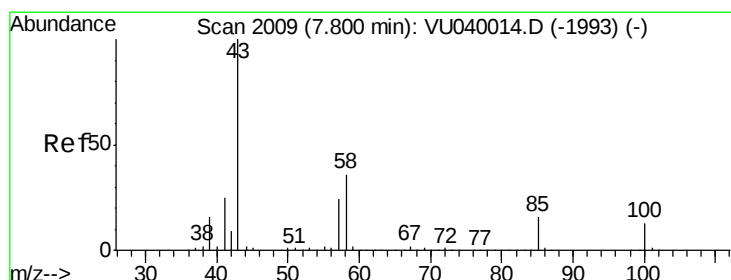
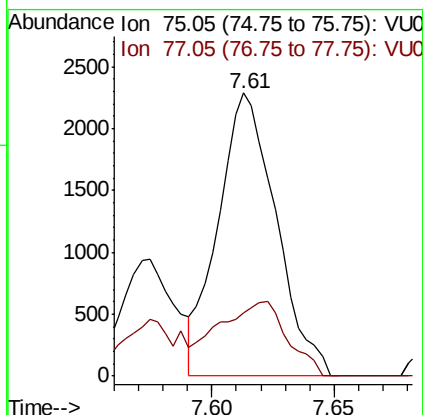
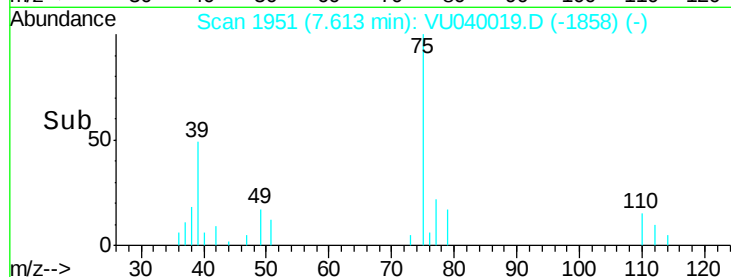
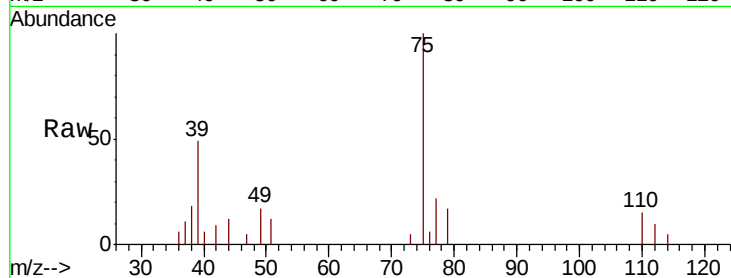


#39

cis-1,3-Dichloropropene
Concen: 0.235 ug/L
RT: 7.61 min Scan# 1951
Delta R.T. -0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Instrument :
MSVOA_U
ClientSampled :

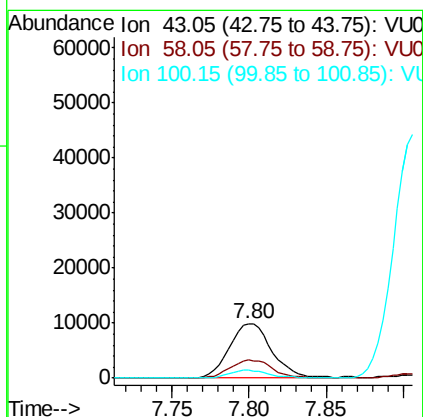
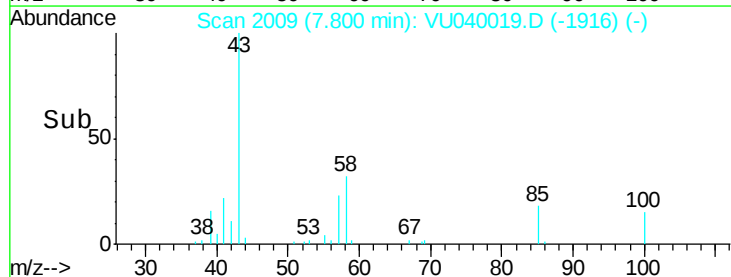
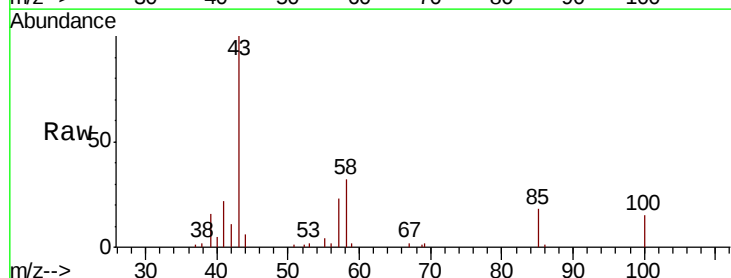
Tot Ion: 75 Resp: 3775
Ion Ratio Lower Upper
75 100
77 22.4 21.1 39.3

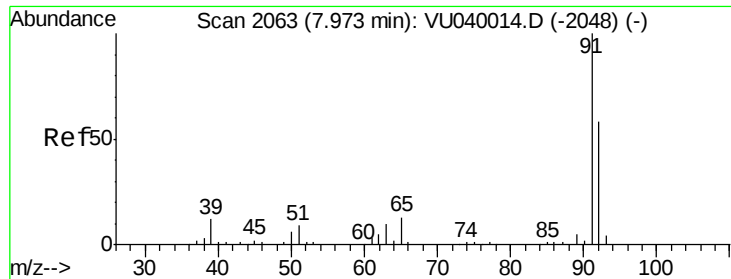


#40

4-Methyl-2-pentanone
Concen: 2.123 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Tgt Ion: 43 Resp: 18948
Ion Ratio Lower Upper
43 100
58 33.1 28.7 43.1
100 13.2 10.2 15.2





#42

Toluene

Concen: 0.216 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

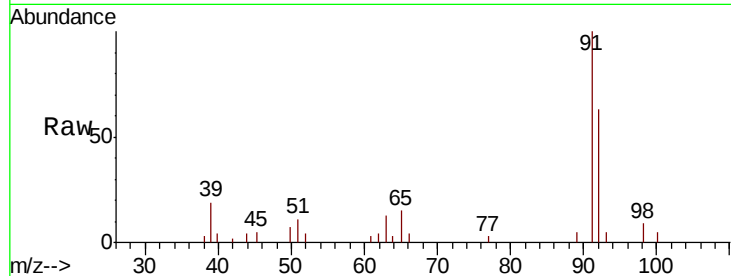
ClientSampleId :

Tot Ion: 91 Resp: 8946

Ion Ratio Lower Upper

91 100

92 63.2 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040019.D (-2045) (-)

Ion 92.15 (91.85 to 92.85): VU040019.D (-2045) (-)

7.98

6000

5000

4000

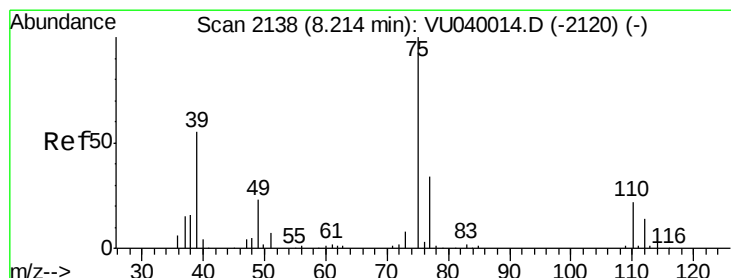
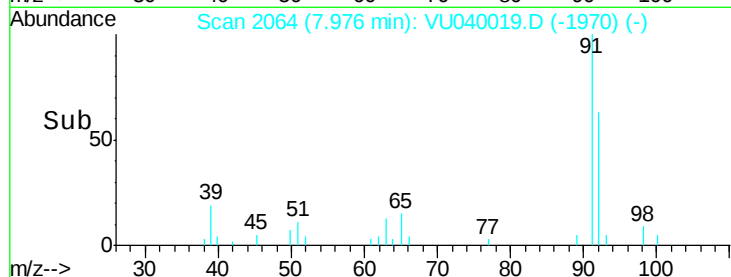
3000

2000

1000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.270 ug/L

RT: 8.22 min Scan# 2140

Delta R.T. 0.01 min

Lab File: VU040019.D

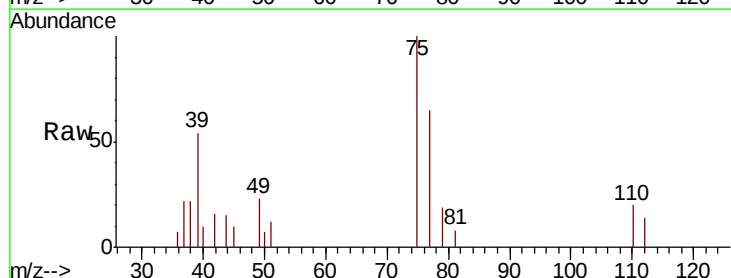
Acq: 02 Sep 2020 12:11

Tgt Ion: 75 Resp: 4017

Ion Ratio Lower Upper

75 100

77 64.6 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040019.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU040019.D (-2045) (-)

8.22

2000

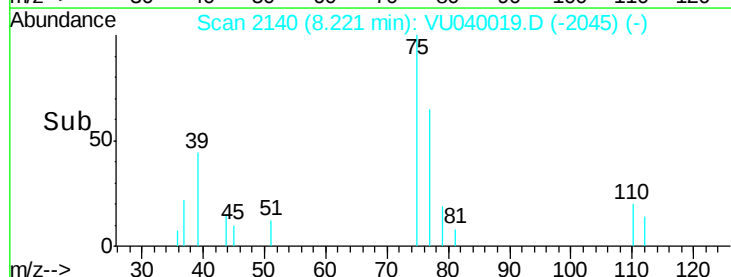
1500

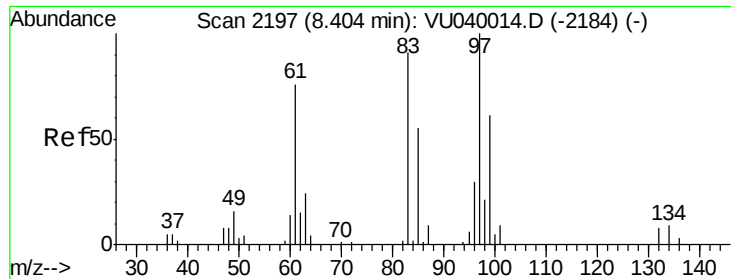
1000

500

0

Time-->

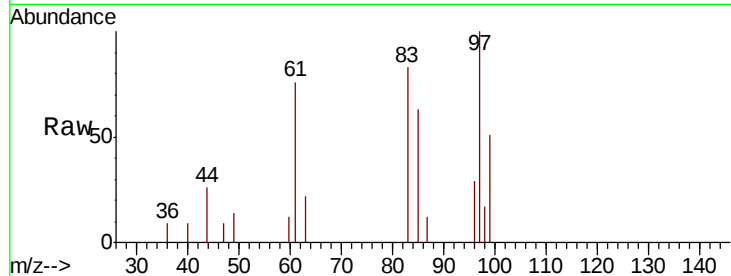




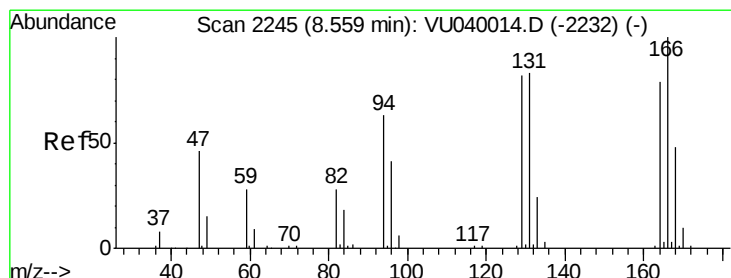
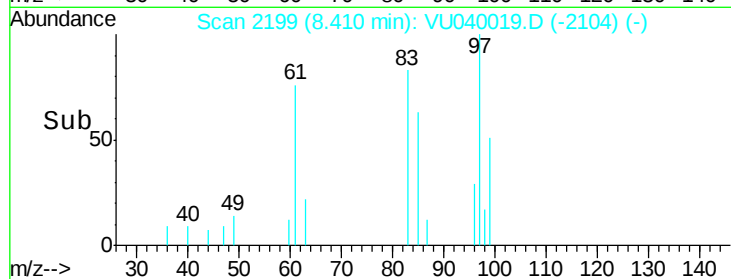
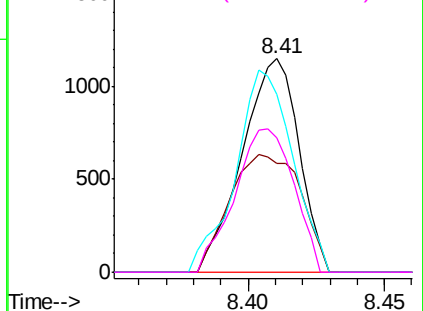
#45
 1,1,2-Trichloroethane
 Concen: 0.210 ug/L
 RT: 8.41 min Scan# 2199
 Delta R.T. 0.01 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	1662
Ion	Ratio	Lower	Upper
97	100		
99	51.0	43.0	79.8
83	83.5	61.7	114.7
85	62.9	39.3	73.1

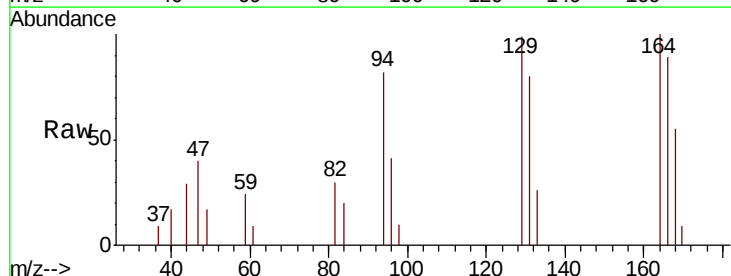


Abundance Ion 96.95 (96.65 to 97.65): VU040019.D (-2104) (-)
 Ion 99.05 (98.75 to 99.75): VU040019.D (-2104) (-)
 Ion 82.95 (82.65 to 83.65): VU040019.D (-2104) (-)
 Ion 85.00 (84.70 to 85.70): VU040019.D (-2104) (-)

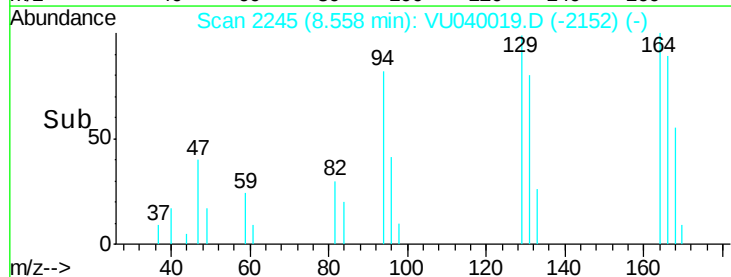
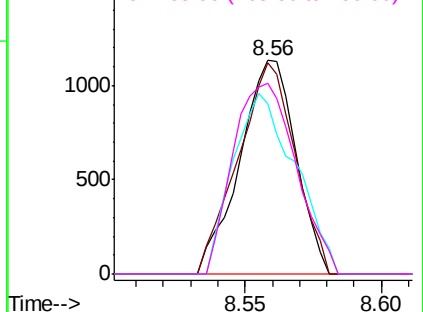


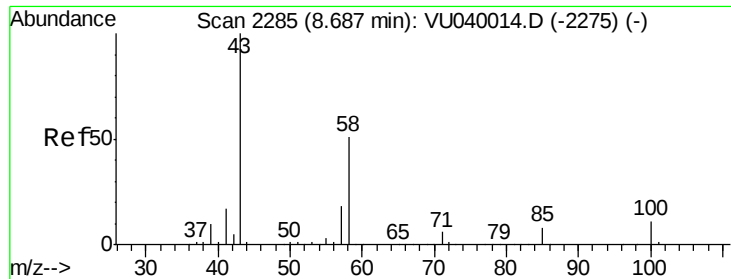
#47
 Tetrachloroethene
 Concen: 0.228 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Tgt Ion:	164	Resp:	1612
Ion	Ratio	Lower	Upper
164	100		
129	98.9	71.5	132.7
131	79.9	65.9	122.5
166	89.1	87.3	162.1



Abundance Ion 163.90 (163.60 to 164.60): VU040019.D (-2152) (-)
 Ion 128.95 (128.65 to 129.65): VU040019.D (-2152) (-)
 Ion 130.95 (130.65 to 131.65): VU040019.D (-2152) (-)
 Ion 165.90 (165.60 to 166.60): VU040019.D (-2152) (-)

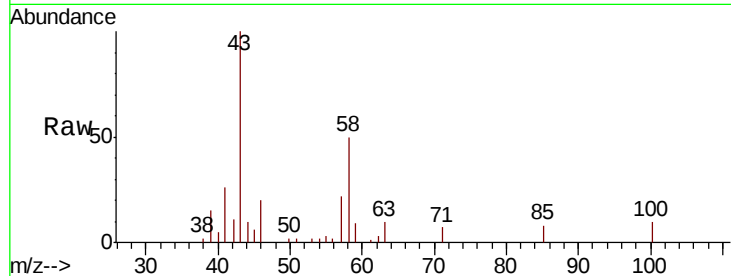




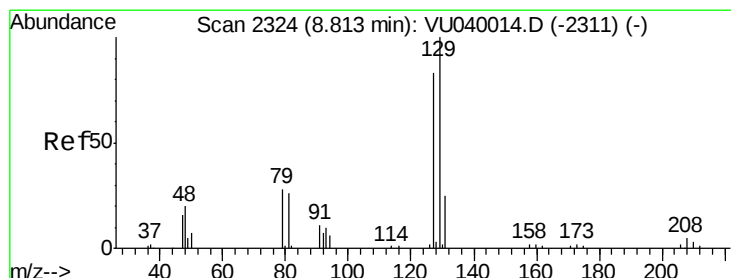
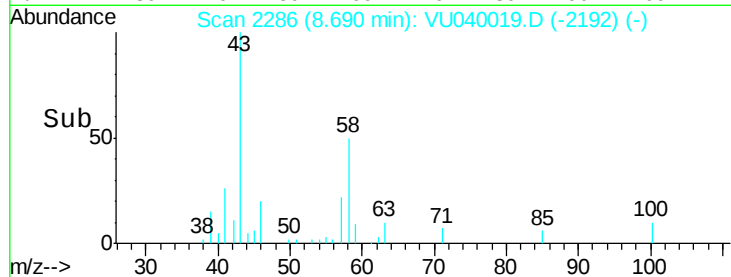
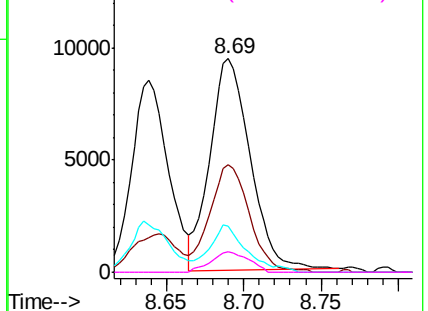
#48
2-Hexanone
Concen: 2.641 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	17198
Ion	Ratio	Lower	Upper
43	100		
58	49.8	39.6	59.4
57	20.1	14.3	21.5
100	8.9	8.0	12.0

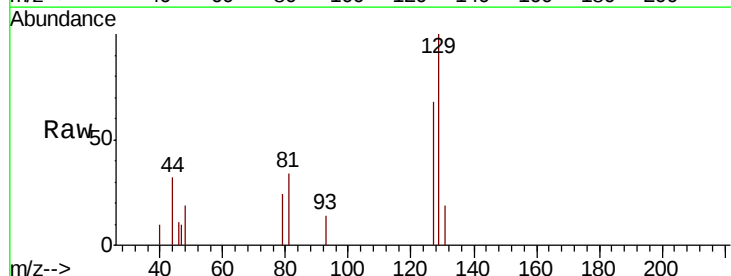


Abundance Ion 43.05 (42.75 to 43.75): VU040019.D (-2192) (-)
Ion 58.05 (57.75 to 58.75): VU040019.D (-2192) (-)
Ion 57.20 (56.90 to 57.90): VU040019.D (-2192) (-)
Ion 100.15 (99.85 to 100.85): VU040019.D (-2192) (-)

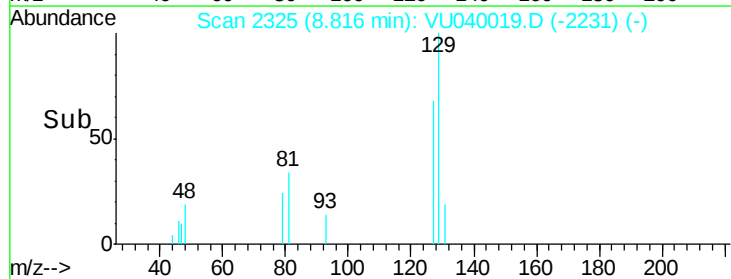
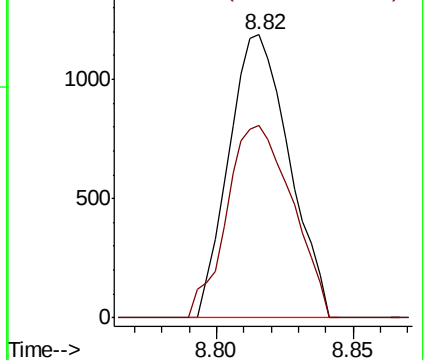


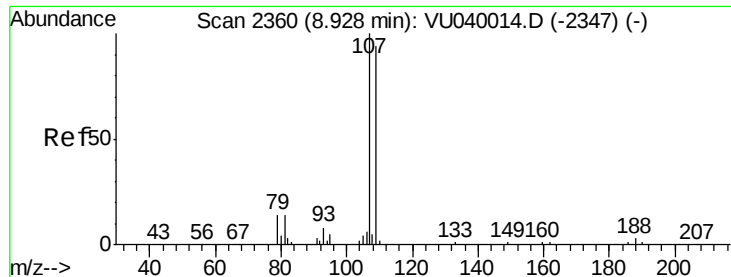
#49
Dibromochloromethane
Concen: 0.192 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Tgt Ion:	129	Resp:	1825
Ion	Ratio	Lower	Upper
129	100		
127	67.8	53.7	99.7



Abundance Ion 128.95 (128.65 to 129.65): VU040019.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU040019.D (-2231) (-)

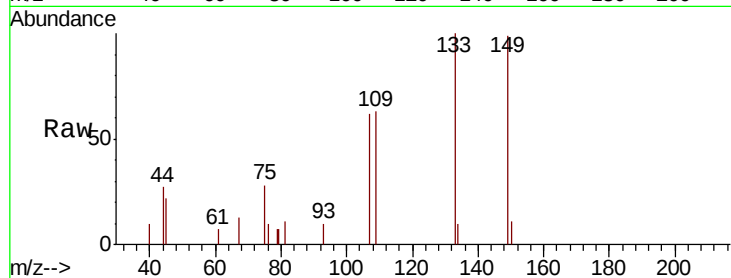




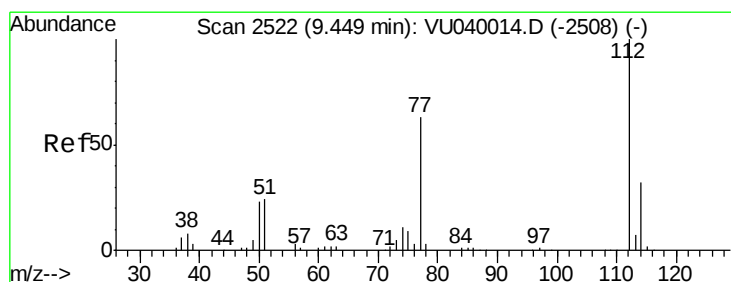
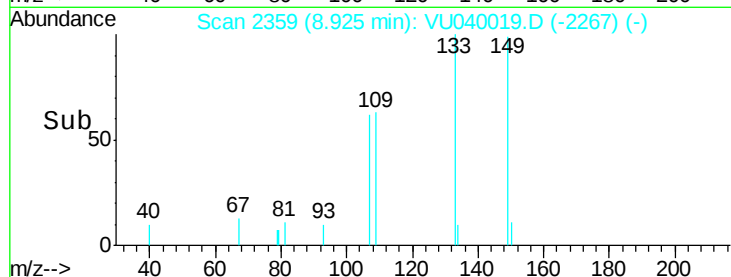
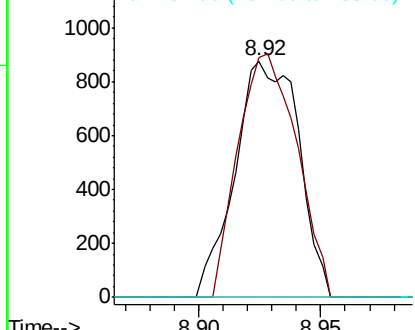
#50
1,2-Dibromoethane
Concen: 0.208 ug/L
RT: 8.92 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:107 Resp: 1590
Ion Ratio Lower Upper
107 100
109 101.7 62.4 115.8
188 0.0 2.3 3.5#

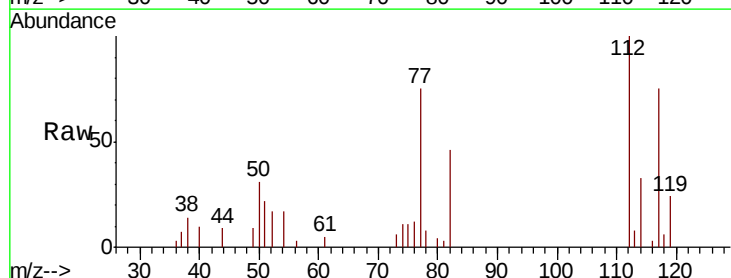


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

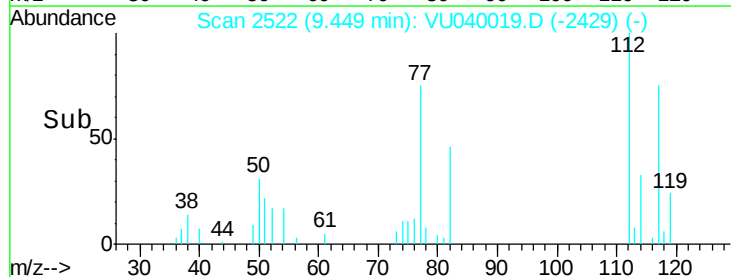
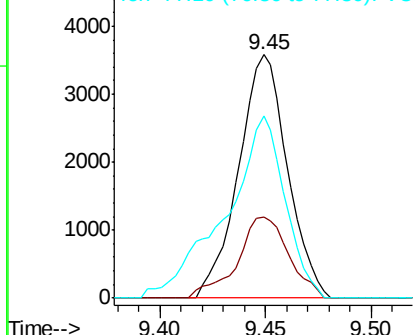


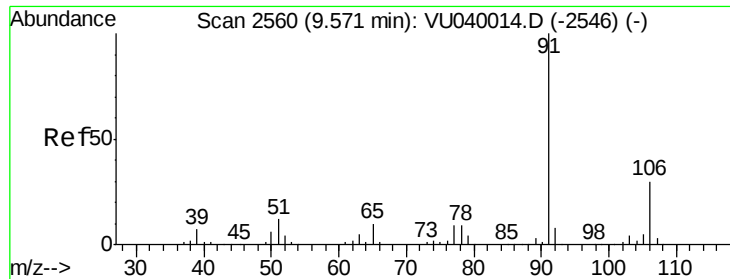
#51
Chlorobenzene
Concen: 0.224 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Tgt Ion:112 Resp: 5763
Ion Ratio Lower Upper
112 100
114 33.3 22.7 42.3
77 74.7 53.2 79.8



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





#52

Ethylbenzene

Concen: 0.211 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

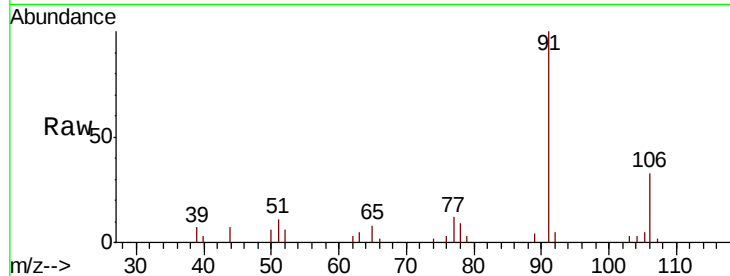
ClientSampleId :

Tot Ion: 91 Resp: 9928

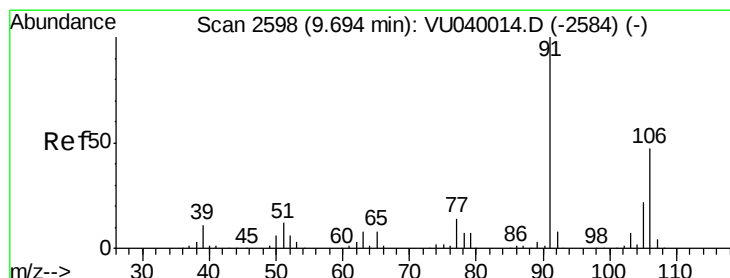
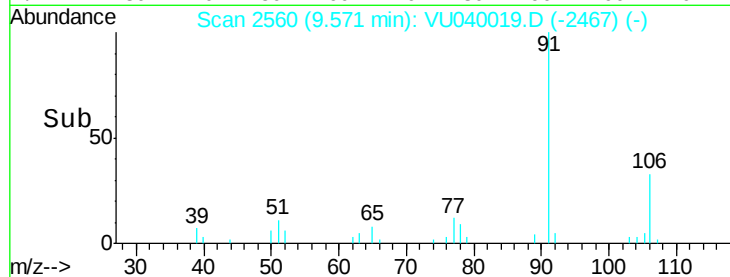
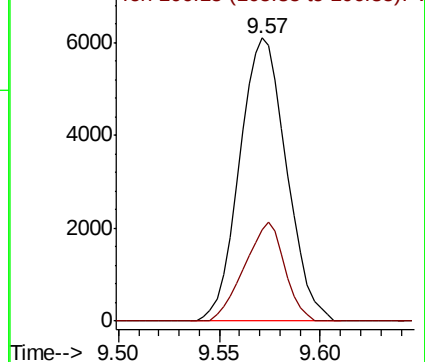
Ion Ratio Lower Upper

91 100

106 32.5 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040019.D (-2467) (-)



#53

m,p-Xylene

Concen: 0.206 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040019.D

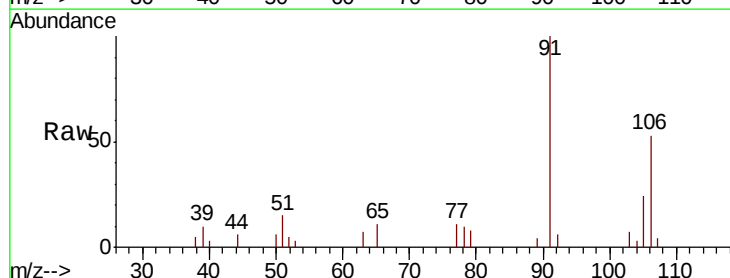
Acq: 02 Sep 2020 12:11

Tgt Ion: 106 Resp: 3455

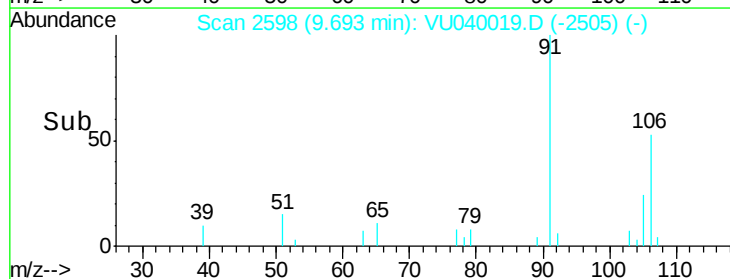
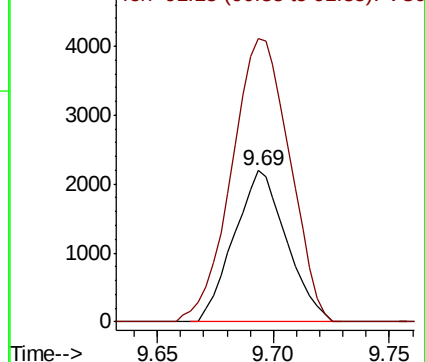
Ion Ratio Lower Upper

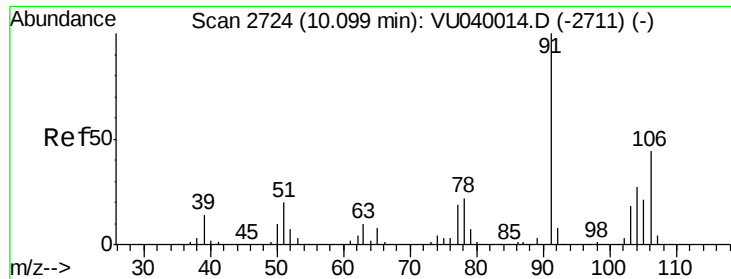
106 100

91 187.0 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040019.D (-2505) (-)

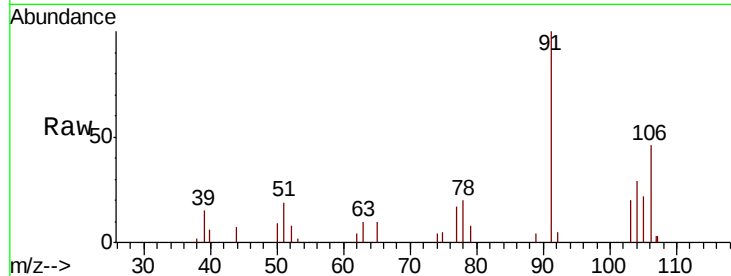




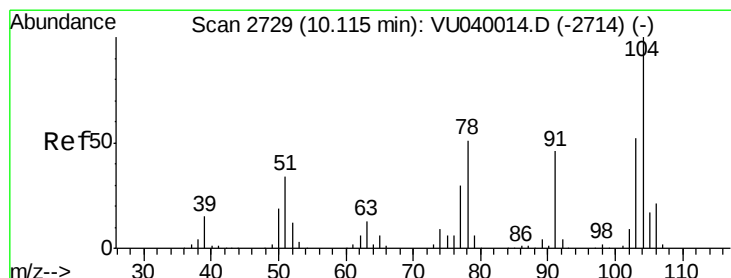
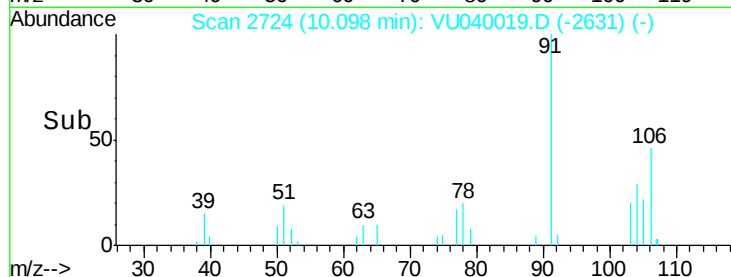
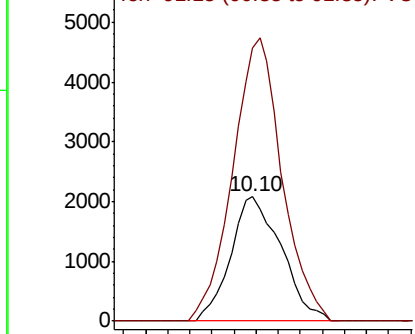
#54
o-Xylene
Concen: 0.208 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 3317
Ion Ratio Lower Upper
106 100
91 219.0 160.8 298.6

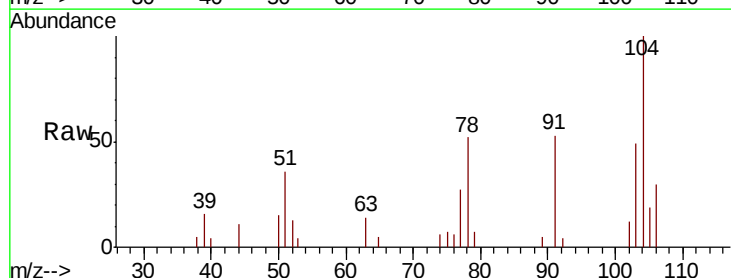


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

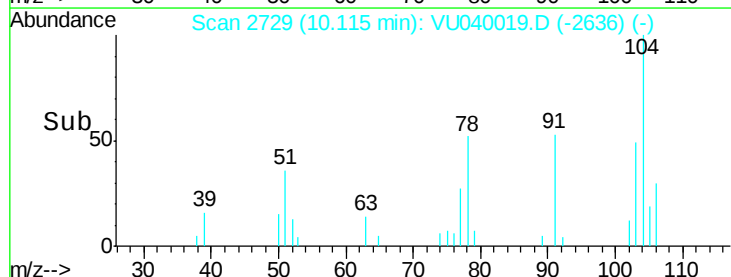
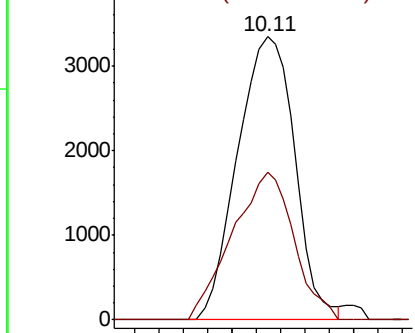


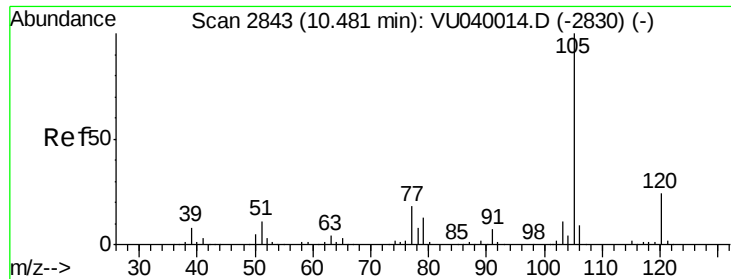
#55
Styrene
Concen: 0.196 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Tgt Ion:104 Resp: 5450
Ion Ratio Lower Upper
104 100
78 52.1 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: 0.185 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

ClientSampleId :

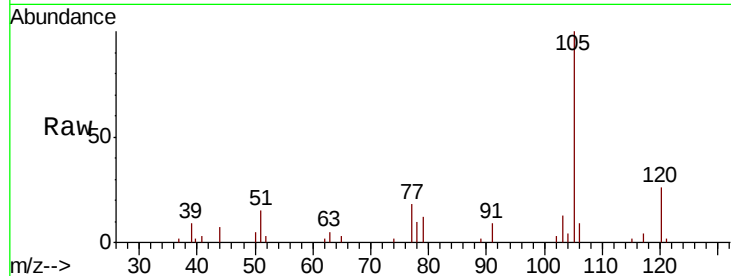
Tot Ion: 105 Resp: 8056

Ion Ratio Lower Upper

105 100

120 26.9 20.1 30.1

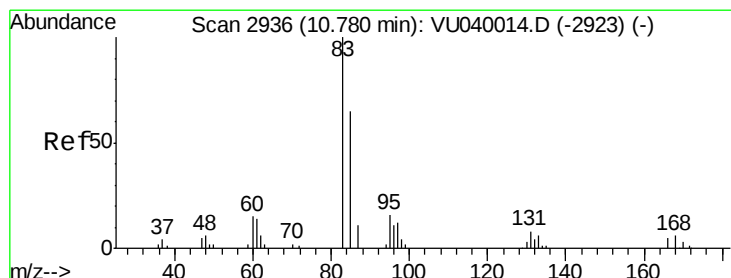
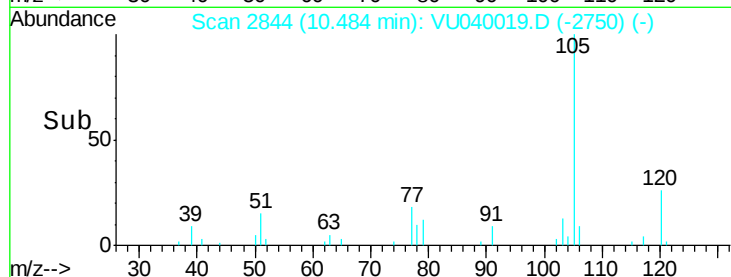
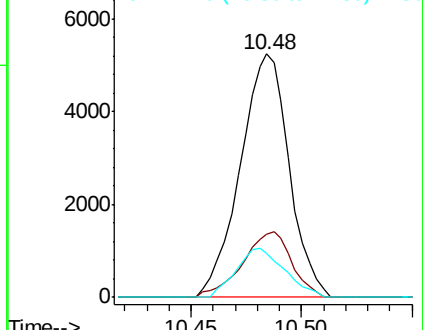
77 19.8 14.4 21.6



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: 0.218 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

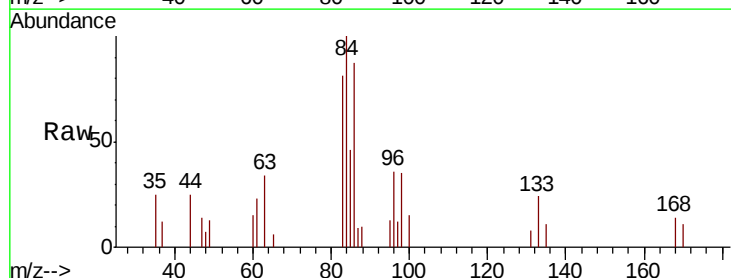
Tgt Ion: 83 Resp: 2216

Ion Ratio Lower Upper

83 100

85 57.1 44.9 83.3

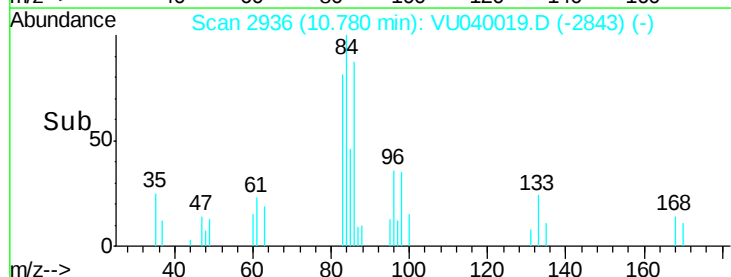
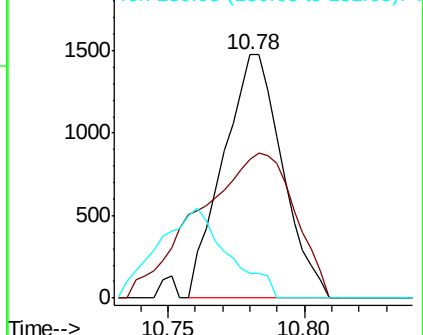
131 10.0 7.4 11.0

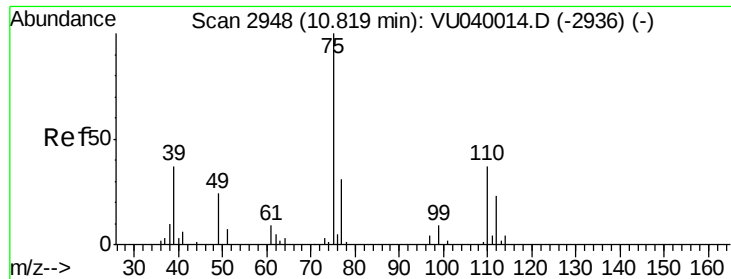


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.297 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

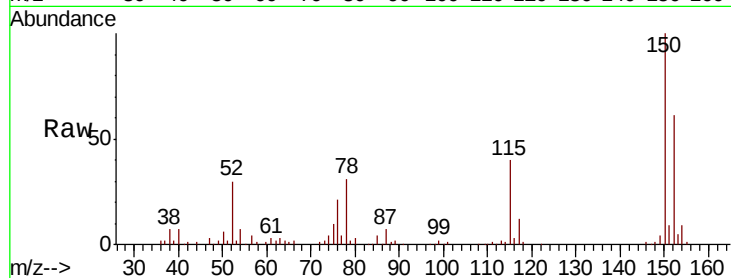
ClientSampleId :

Tot Ion: 75 Resp: 10457

Ion Ratio Lower Upper

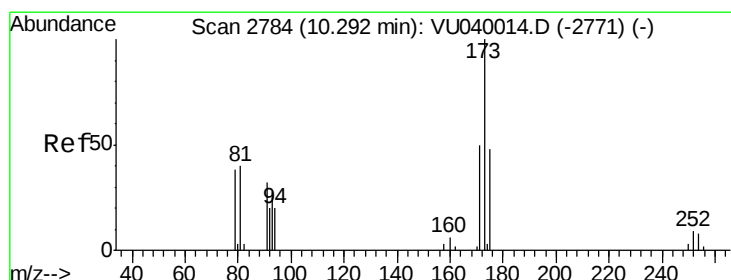
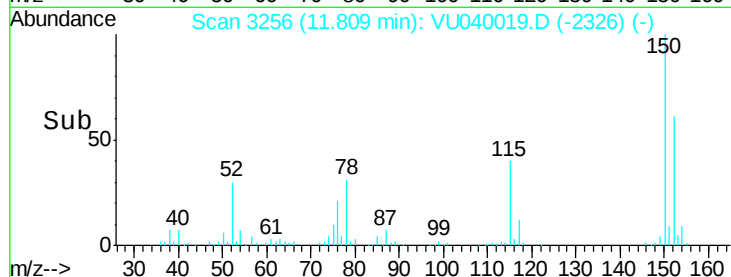
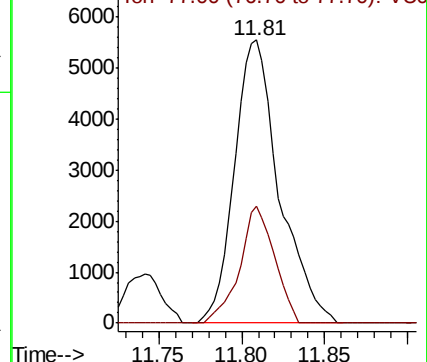
75 100

77 32.2 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#61

Bromoform

Concen: 0.185 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

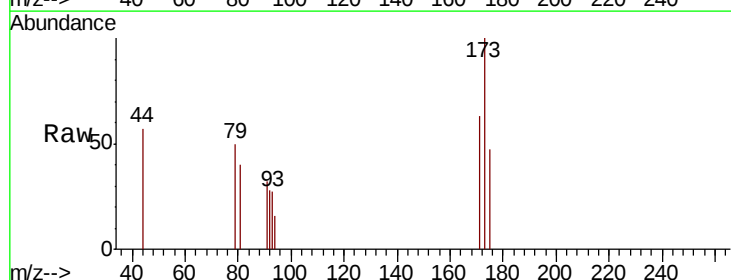
Tgt Ion: 173 Resp: 887

Ion Ratio Lower Upper

173 100

175 67.9 37.8 56.6#

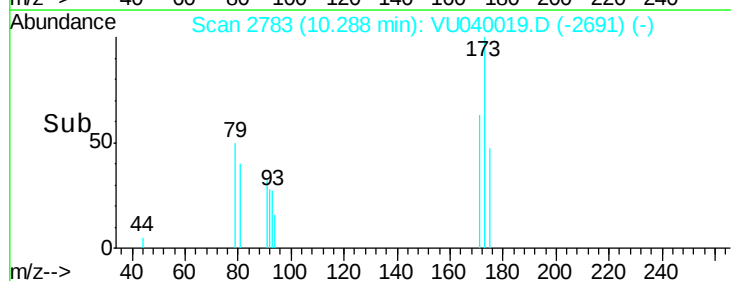
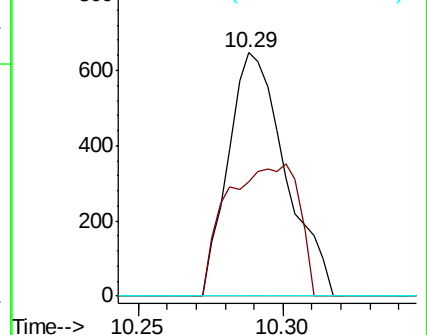
254 0.0 6.8 10.2#

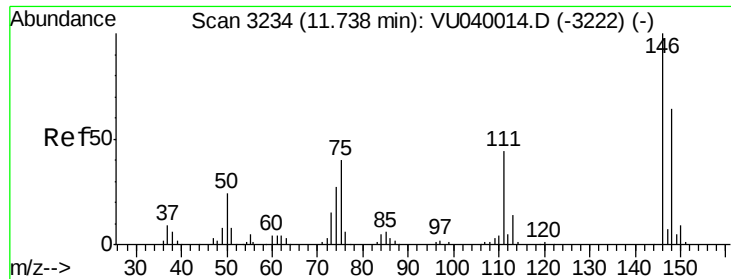


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

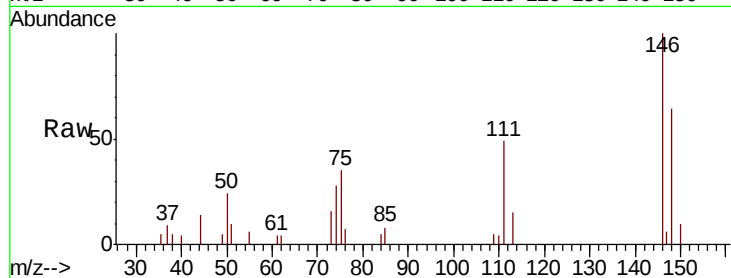




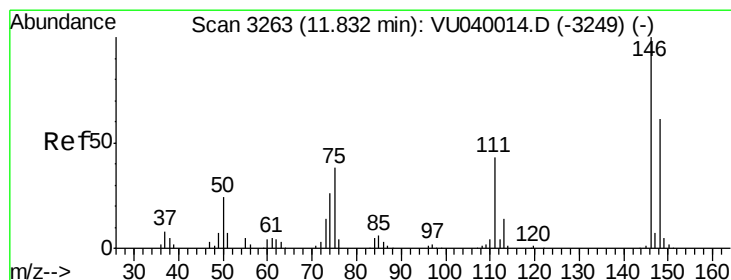
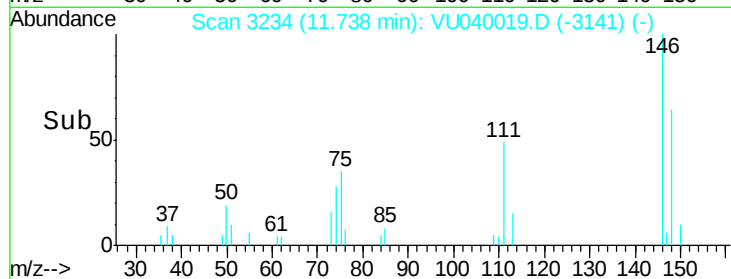
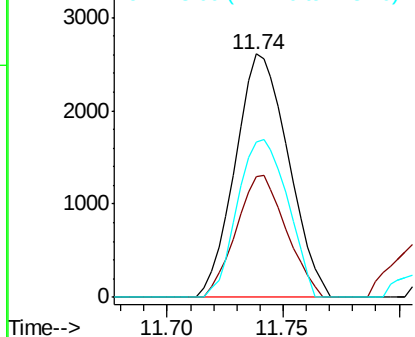
#62
 1,3-Dichlorobenzene
 Concen: 0.218 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 4160
 Ion Ratio Lower Upper
 146 100
 111 49.4 31.6 58.8
 148 63.6 44.2 82.0

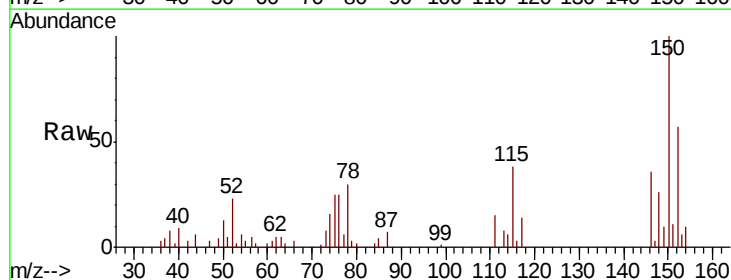


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

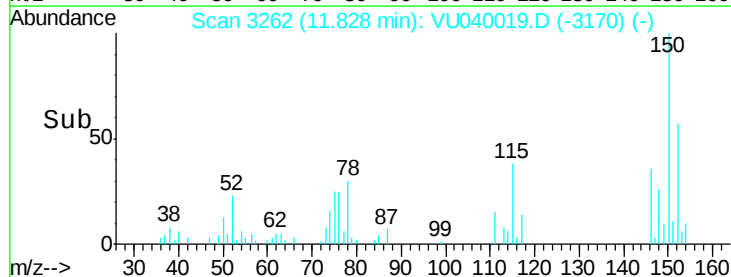
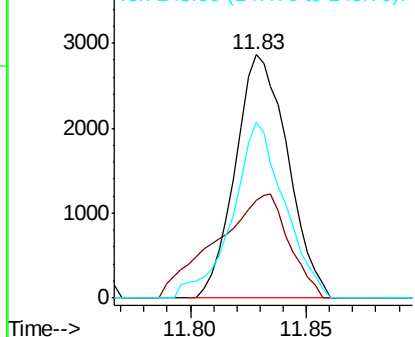


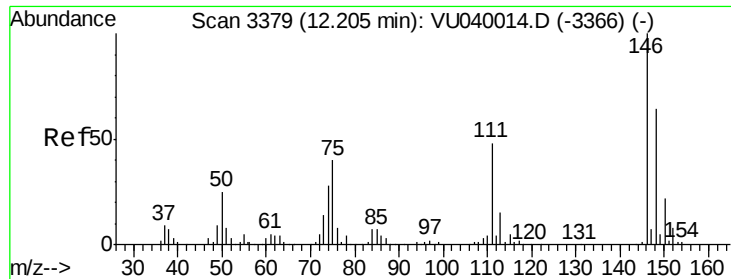
#63
 1,4-Dichlorobenzene
 Concen: 0.232 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. -0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Tgt Ion:146 Resp: 4484
 Ion Ratio Lower Upper
 146 100
 111 40.3 30.5 56.7
 148 72.4 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: 0.244 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

ClientSampled :

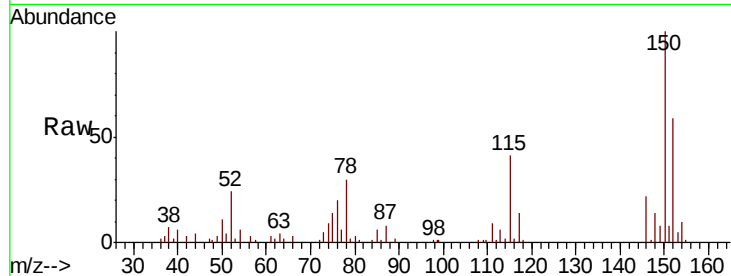
Tot Ion:146 Resp: 4507

Ion Ratio Lower Upper

146 100

111 42.8 36.5 54.7

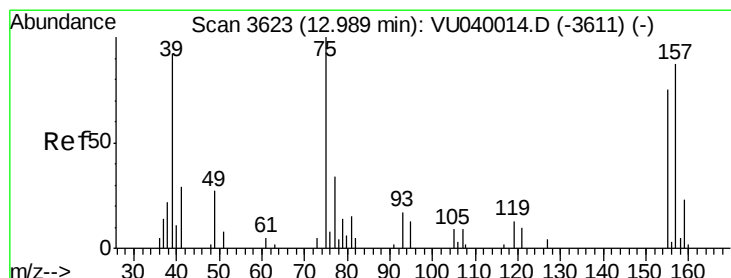
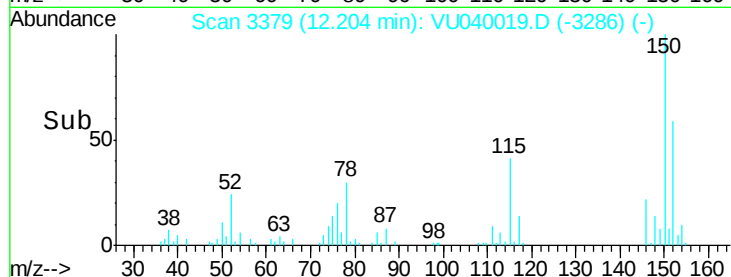
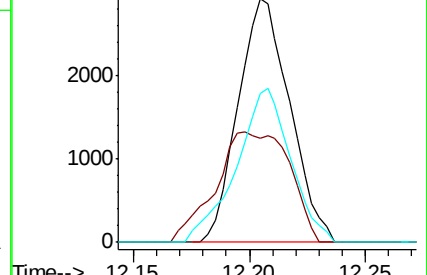
148 60.9 48.6 72.8



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: 0.176 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

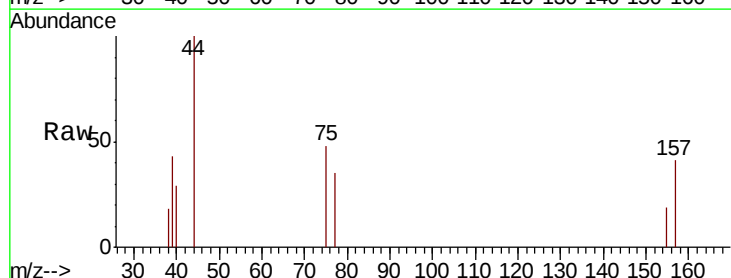
Tgt Ion: 75 Resp: 347

Ion Ratio Lower Upper

75 100

155 38.7 54.6 82.0#

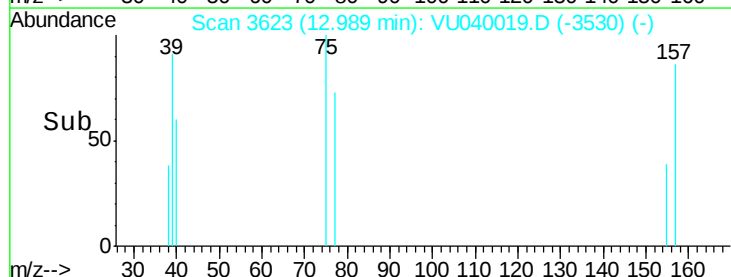
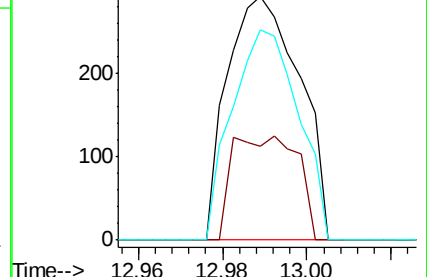
157 86.3 75.6 113.4

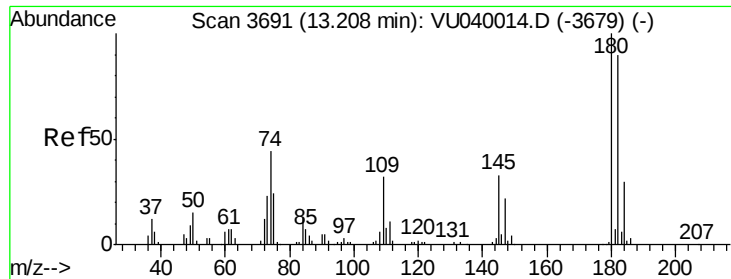


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

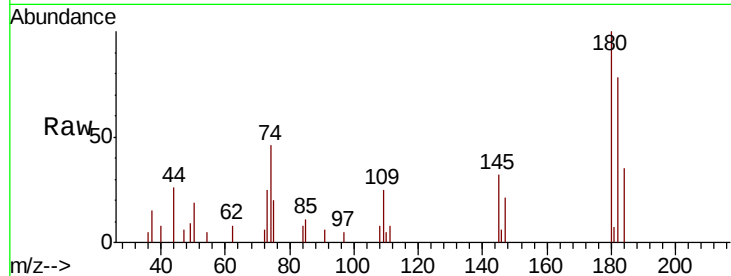




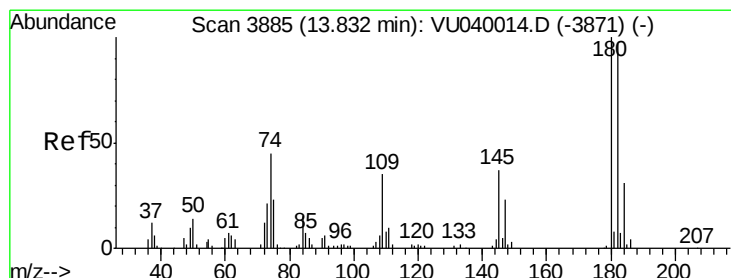
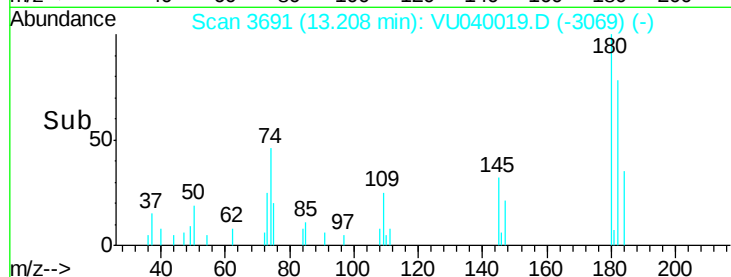
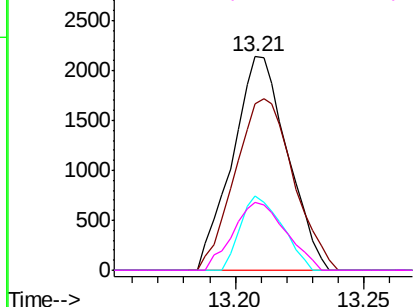
#67
 1,3,5-Trichlorobenzene
 Concen: 0.237 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 3175
 Ion Ratio Lower Upper
 180 100
 182 85.2 76.9 115.3
 184 26.6 24.6 36.8
 145 30.6 27.0 40.6

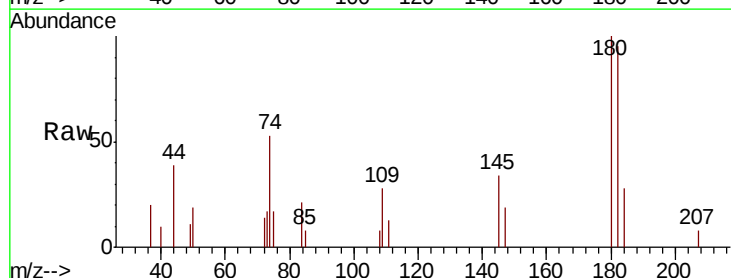


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

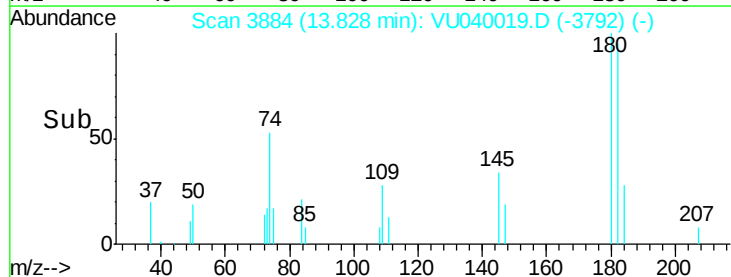
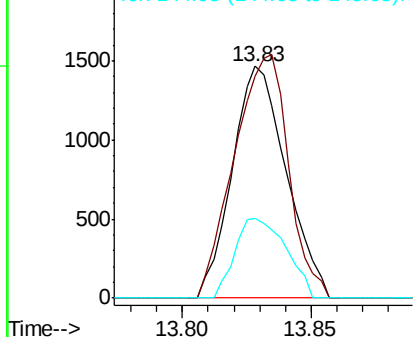


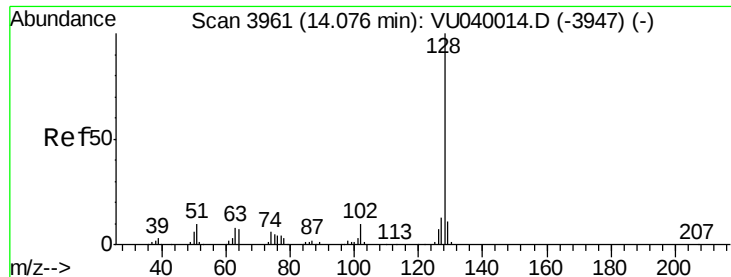
#68
 1,2,4-trichlorobenzene
 Concen: 0.185 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Tgt Ion:180 Resp: 2136
 Ion Ratio Lower Upper
 180 100
 182 105.5 76.0 114.0
 145 32.4 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: 0.169 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

ClientSampled :

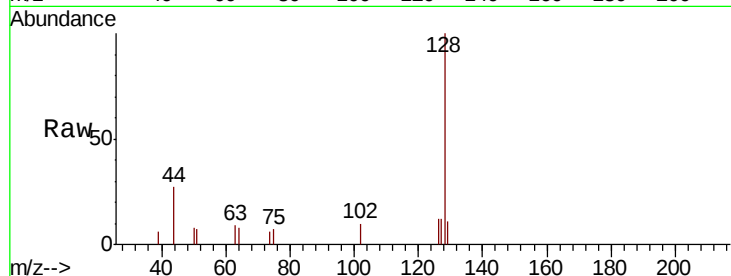
Tot Ion:128 Resp: 4063

Ion Ratio Lower Upper

128 100

129 5.1 8.7 13.1#

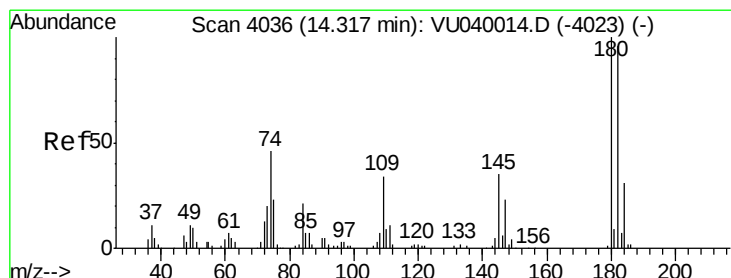
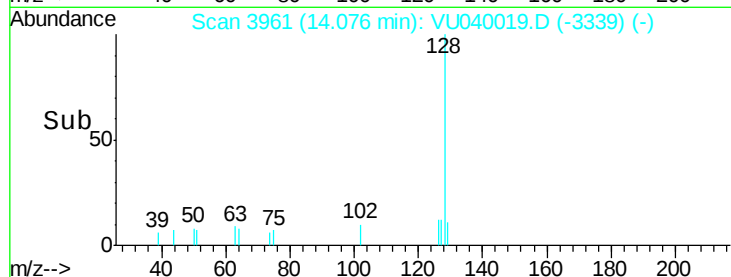
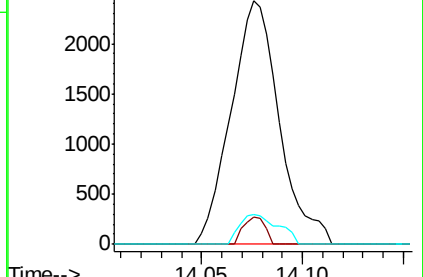
127 9.9 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.205 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

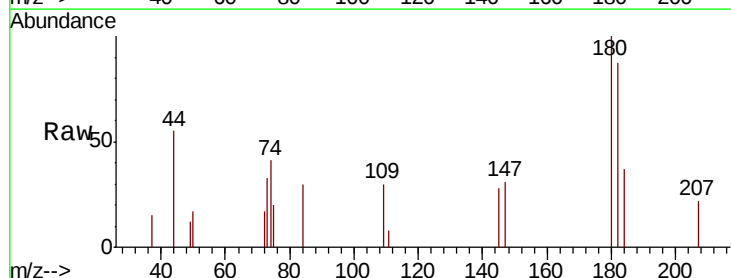
Tgt Ion:180 Resp: 2174

Ion Ratio Lower Upper

180 100

182 88.1 77.8 116.6

145 27.5 28.7 43.1#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

