

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121620\
 Data File : VU041664.D
 Acq On : 16 Dec 2020 12:43
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 04:09:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 17 03:56:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	303298	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	263401	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	131834	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	99878	44.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.12%
7) Chloroethane-d5	1.92	69	80327	42.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.52%
11) 1,1-Dichloroethene-d2	2.58	63	195990	48.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.70%
21) 2-Butanone-d5	4.64	46	175065	101.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.39%
24) Chloroform-d	5.08	84	186213	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.71	65	114000	44.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.76%
32) Benzene-d6	5.74	84	385904	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.14%
36) 1,2-Dichloropropane-d6	6.70	67	115918	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.14%
41) Toluene-d8	7.90	98	348748	48.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.26%
43) trans-1,3-Dichloropropene-	8.18	79	60569	49.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.38%
47) 2-Hexanone-d5	8.64	63	138501	107.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.52%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	175003	48.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.46%
66) 1,2-Dichlorobenzene-d4	12.19	152	132460	48.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	105480	41.729	ug/L	100
3) Chloromethane	1.53	50	91129	39.550	ug/L	99
5) Vinyl chloride	1.61	62	103347	40.257	ug/L	98
6) Bromomethane	1.86	94	77851	41.108	ug/L	100
8) Chloroethane	1.94	64	65825	38.352	ug/L	99
9) Trichlorofluoromethane	2.15	101	154918	41.177	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	94086	46.159	ug/L	99
12) 1,1-Dichloroethene	2.59	96	89170	45.803	ug/L	97
13) Acetone	2.64	43	126175	97.835	ug/L	99
14) Carbon disulfide	2.80	76	280528	44.914	ug/L	100
15) Methyl Acetate	2.96	43	110363	44.948	ug/L	98
16) Methylene chloride	3.06	84	98143	44.099	ug/L	97
17) trans-1,2-Dichloroethene	3.37	96	93380	46.266	ug/L	97
18) Methyl tert-butyl Ether	3.38	73	276332	44.112	ug/L	99
19) 1,1-Dichloroethane	3.88	63	157617	42.752	ug/L	99
20) cis-1,2-Dichloroethene	4.68	96	103165	46.668	ug/L	97
22) 2-Butanone	4.72	43	173615	93.561	ug/L	96

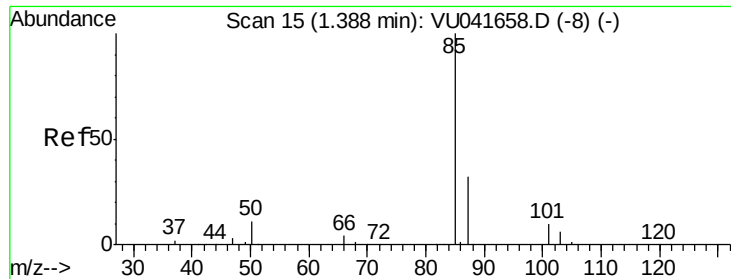
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 Quant Title : VOC Analysis
 QLast Update : Thu Dec 17 03:56:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	55485	46.805	ug/L	93
25) Chloroform	5.10	83	168345	43.311	ug/L	98
27) 1,2-Dichloroethane	5.80	62	125888	41.506	ug/L	96
29) Cyclohexane	5.40	56	144772	47.789	ug/L	96
30) 1,1,1-Trichloroethane	5.33	97	146361	44.772	ug/L	99
31) Carbon tetrachloride	5.54	117	128413	45.019	ug/L	98
33) Benzene	5.78	78	386619	46.426	ug/L	100
34) Trichloroethene	6.55	95	100205	46.442	ug/L	97
35) Methylcyclohexane	6.77	83	162932	47.629	ug/L	100
37) 1,2-Dichloropropane	6.80	63	96266	46.018	ug/L	100
38) Bromodichloromethane	7.11	83	124564	43.980	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	146283	43.876	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	298406	97.151	ug/L	98
42) Toluene	7.97	91	396060	45.043	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	147446	45.633	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	92576	43.743	ug/L	99
46) Tetrachloroethene	8.56	164	74027	44.206	ug/L	98
48) 2-Hexanone	8.69	43	255114	102.223	ug/L	97
49) Dibromochloromethane	8.81	129	99908	43.596	ug/L	99
50) 1,2-Dibromoethane	8.92	107	100720	45.589	ug/L	97
51) Chlorobenzene	9.45	112	250281	44.565	ug/L	99
52) Ethylbenzene	9.57	91	427307	46.174	ug/L	99
53) m,p-Xylene	9.69	106	166119	46.716	ug/L	98
54) o-xylene	10.10	106	162106	46.695	ug/L	99
55) Styrene	10.11	104	276077	46.754	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.78	83	164806	45.297	ug/L	98
59) Bromoform	10.29	173	76662	43.640	ug/L	98
60) 1,2,3-Trichloropropane	10.82	75	134952	44.729	ug/L	99
61) Isopropylbenzene	10.48	105	425270	47.029	ug/L	100
62) 1,3,5-Trimethylbenzene	11.08	105	357786	47.599	ug/L	99
63) 1,2,4-Trimethylbenzene	11.46	105	363522	47.737	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	195347	45.104	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	194499	44.547	ug/L	99
67) 1,2-Dichlorobenzene	12.20	146	197088	44.132	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	43456	46.126	ug/L	99
69) 1,3,5-Trichlorobenzene	13.21	180	141983	45.568	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	116260	46.488	ug/L	99
71) Naphthalene	14.07	128	399460	49.201	ug/L	100
72) 1,2,3-Trichlorobenzene	14.31	180	114381	45.319	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 41.729 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

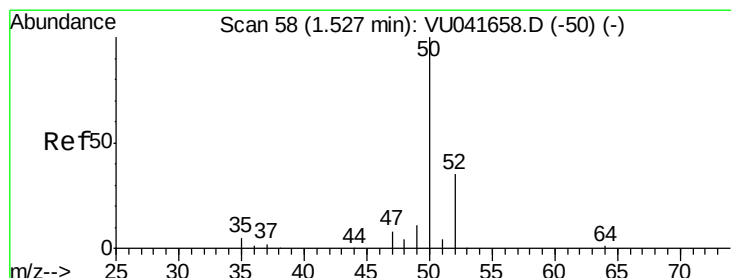
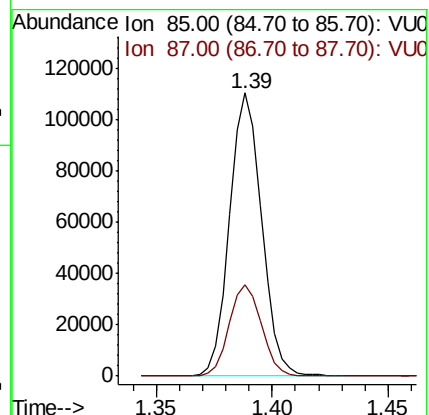
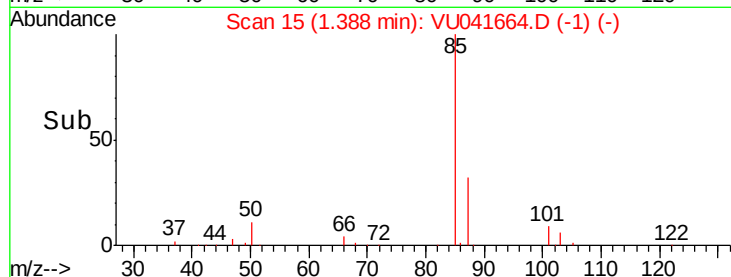
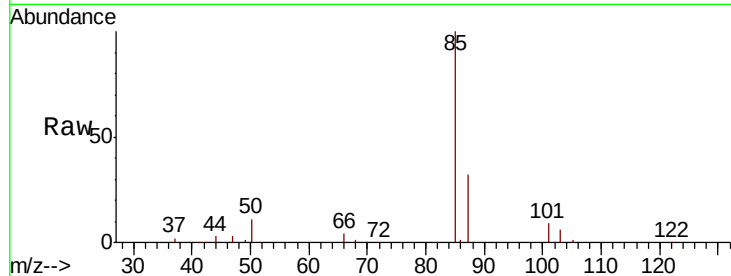
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 105480

Ion Ratio Lower Upper

85 100

87 32.6 26.2 39.4



#3

Chloromethane

Concen: 39.550 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041664.D

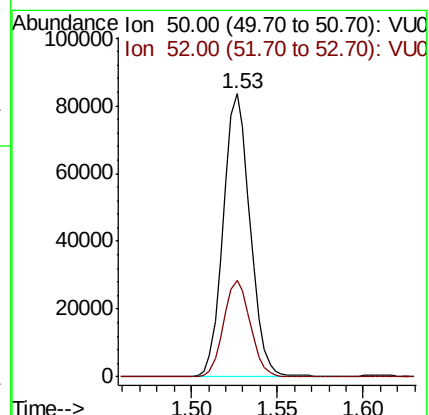
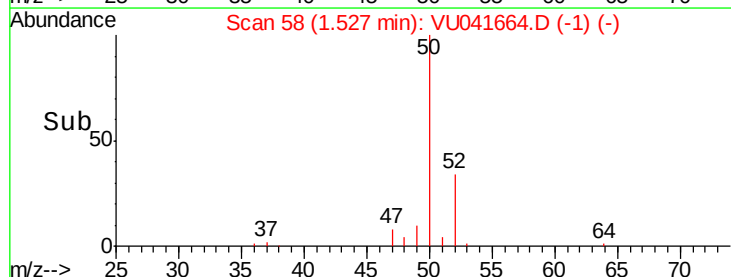
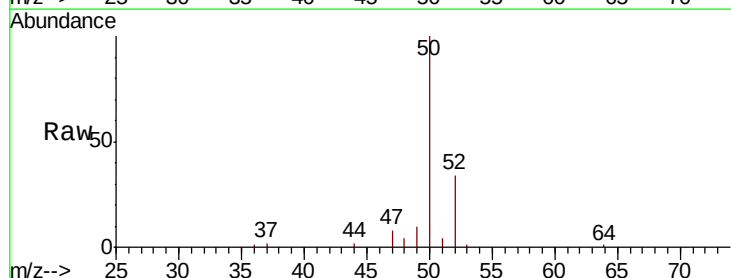
Acq: 16 Dec 2020 12:43

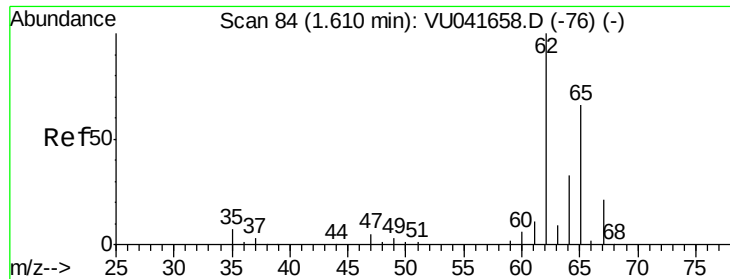
Tgt Ion: 50 Resp: 91129

Ion Ratio Lower Upper

50 100

52 33.9 24.1 44.8





#5

Vinyl chloride

Concen: 40.257 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

Instrument :

MSVOA_U

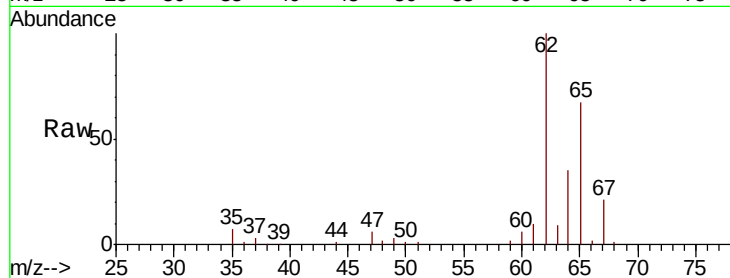
ClientSampled :

Tot Ion: 62 Resp: 103347

Ion Ratio Lower Upper

62 100

64 35.1 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU041664.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU041664.D (-1) (-)

1.61

100000

80000

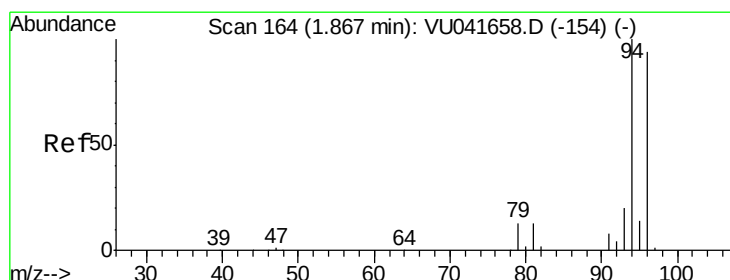
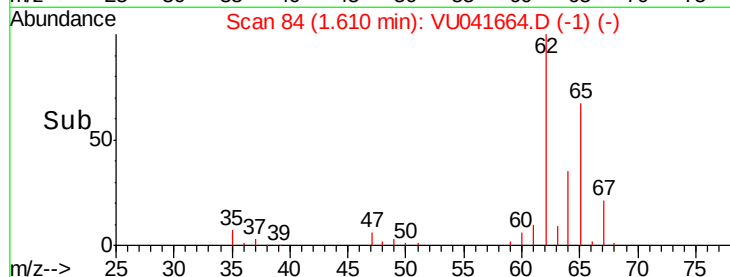
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 41.108 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041664.D

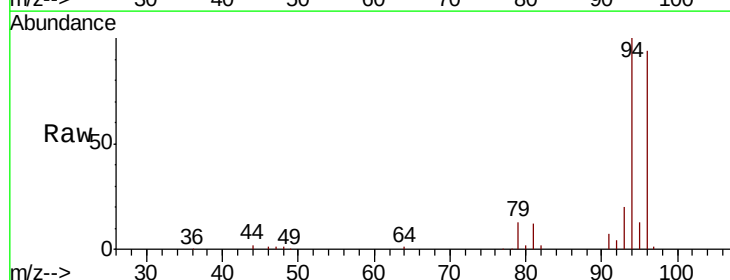
Acq: 16 Dec 2020 12:43

Tgt Ion: 94 Resp: 77851

Ion Ratio Lower Upper

94 100

96 94.4 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU041664.D (-71) (-)

Ion 96.00 (95.70 to 96.70): VU041664.D (-71) (-)

1.86

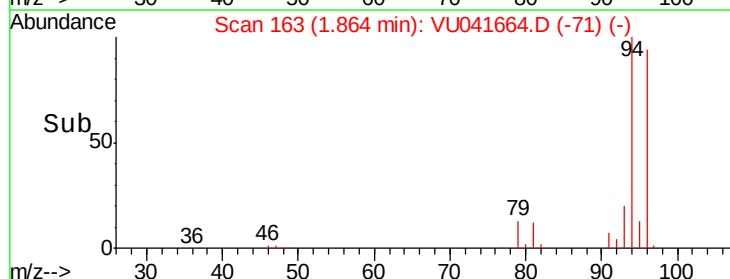
60000

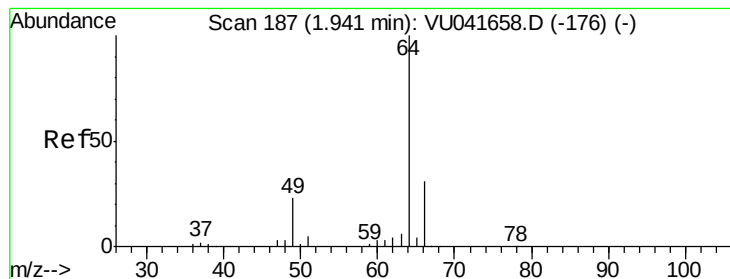
40000

20000

0

Time-->





#8

Chloroethane

Concen: 38.352 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

Instrument :

MSVOA_U

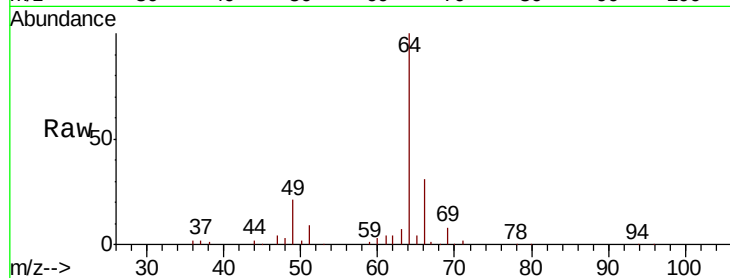
ClientSampled :

Tot Ion: 64 Resp: 65825

Ion Ratio Lower Upper

64 100

66 31.1 21.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VU041658.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU041658.D (-176) (-)

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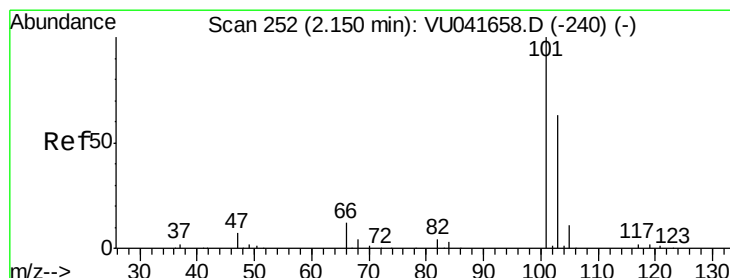
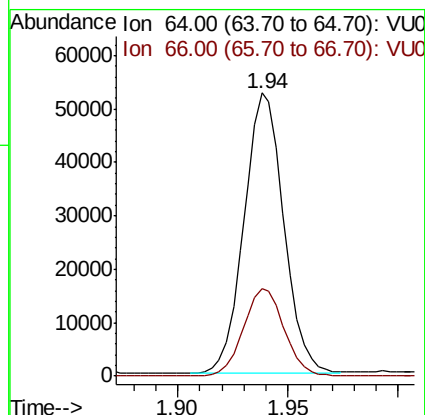
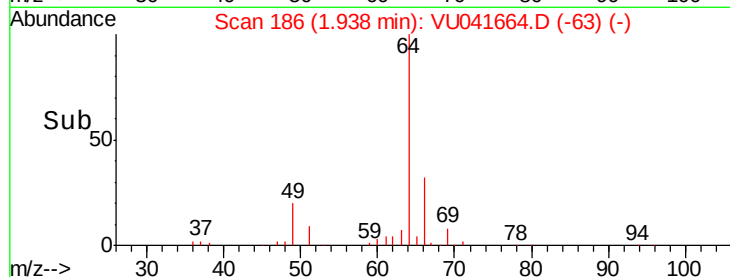
1.94

1.94

1.94

1.94

1.94



#9

Trichlorofluoromethane

Concen: 41.177 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU041664.D

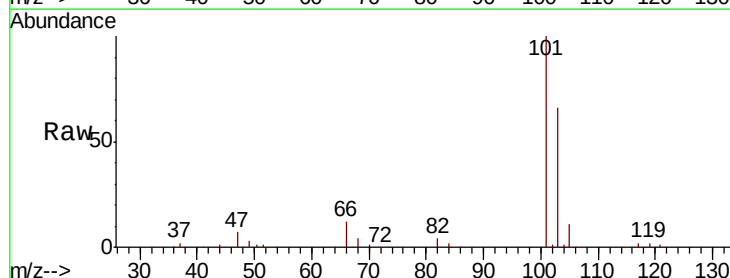
Acq: 16 Dec 2020 12:43

Tgt Ion:101 Resp: 154918

Ion Ratio Lower Upper

101 100

103 65.8 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU041658.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU041658.D (-240) (-)

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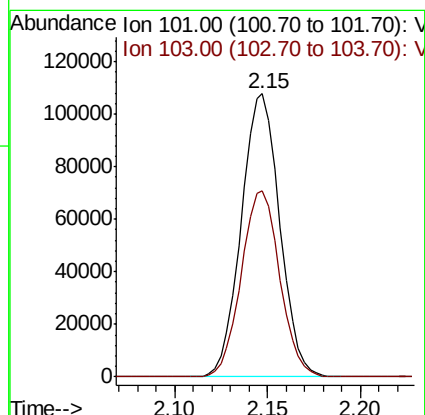
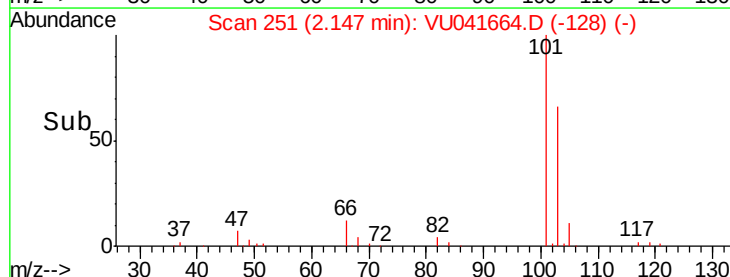
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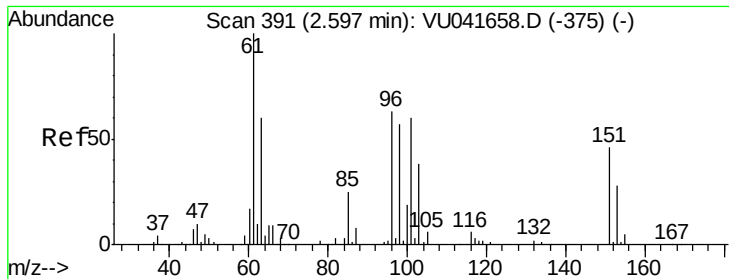
2.15

2.15

2.15

2.15





#10

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

Concen: 46.159 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

Instrument :

MSVOA_U

ClientSampleId :

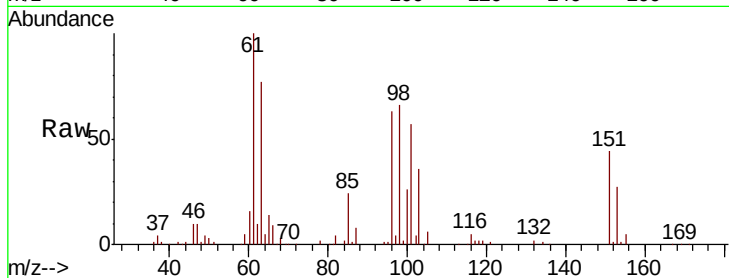
Tot Ion:101 Resp: 94086

Ion Ratio Lower Upper

101 100

85 41.5 32.7 49.1

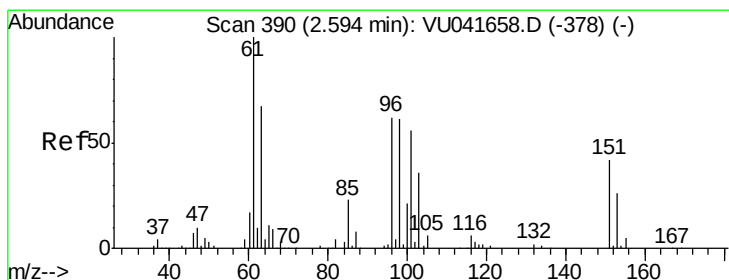
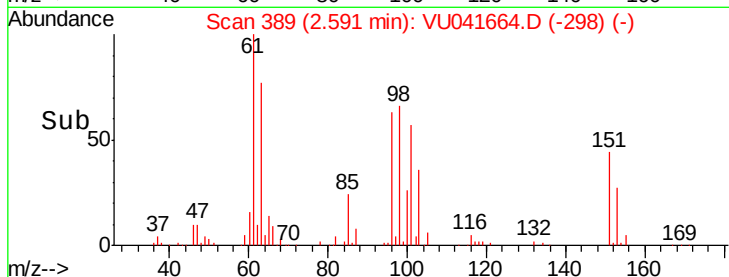
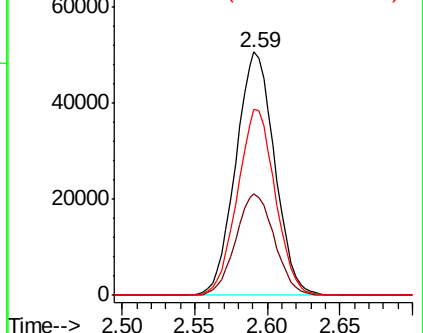
151 74.5 60.4 90.6



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: 45.803 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

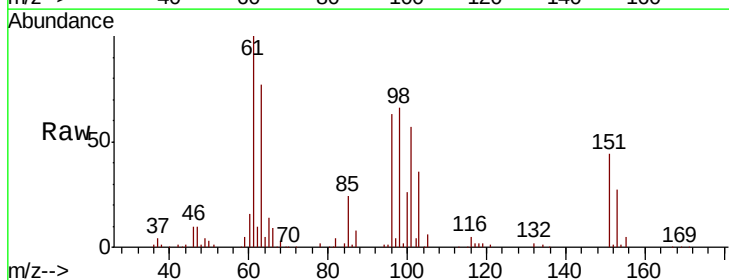
Tgt Ion: 96 Resp: 89170

Ion Ratio Lower Upper

96 100

61 158.4 114.3 212.3

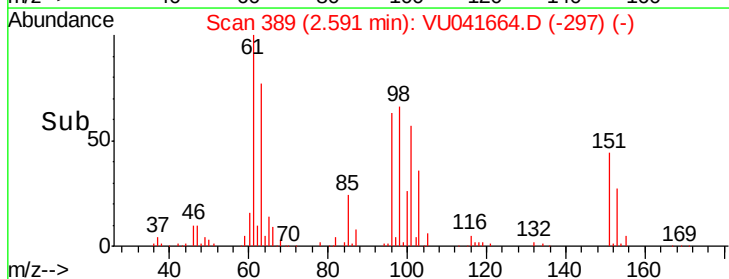
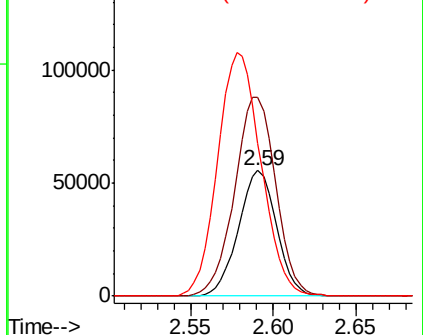
63 121.8 83.0 154.2

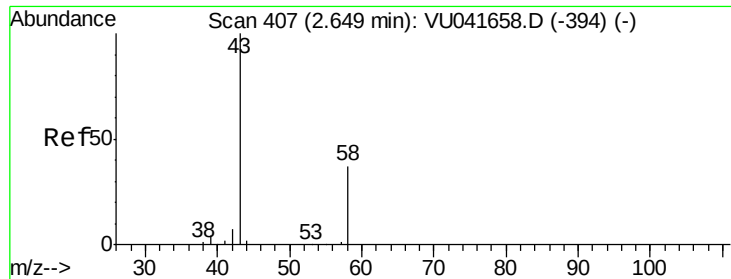


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 97.835 ug/L

RT: 2.64 min Scan# 405

Delta R.T. -0.01 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

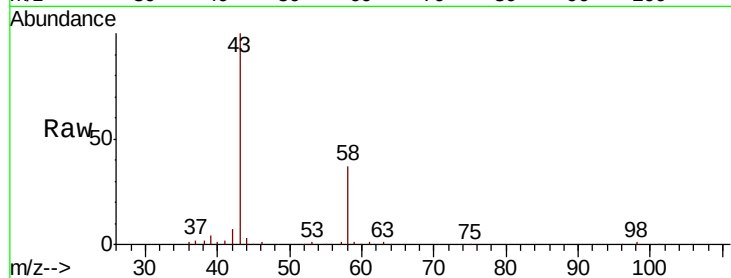
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 126175

Ion Ratio Lower Upper

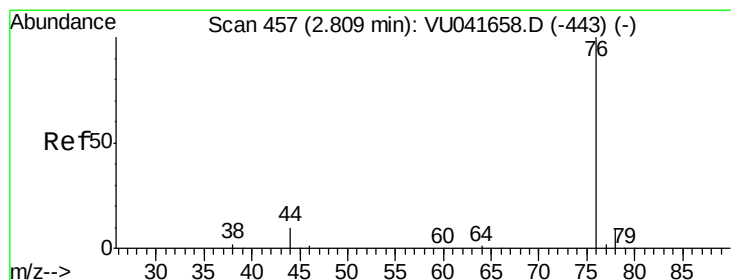
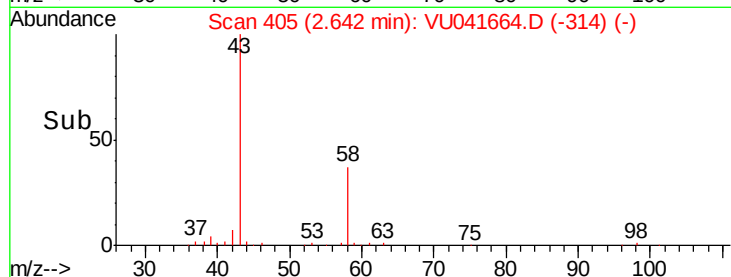
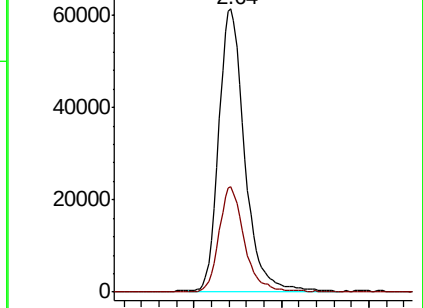
43 100

58 35.9 0.0 70.8



Abundance Ion 43.00 (42.70 to 43.70): VU041658.D (-394) (-)

Ion 58.00 (57.70 to 58.70): VU041658.D (-394) (-)



#14

Carbon disulfide

Concen: 44.914 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.01 min

Lab File: VU041664.D

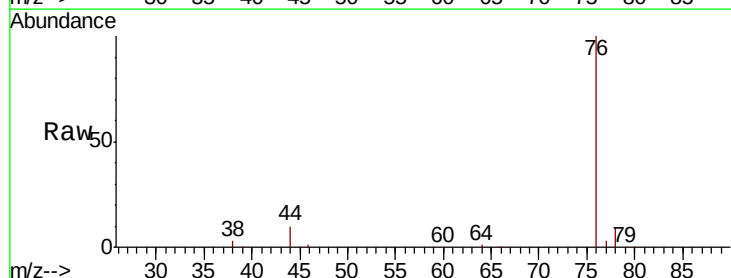
Acq: 16 Dec 2020 12:43

Tgt Ion: 76 Resp: 280528

Ion Ratio Lower Upper

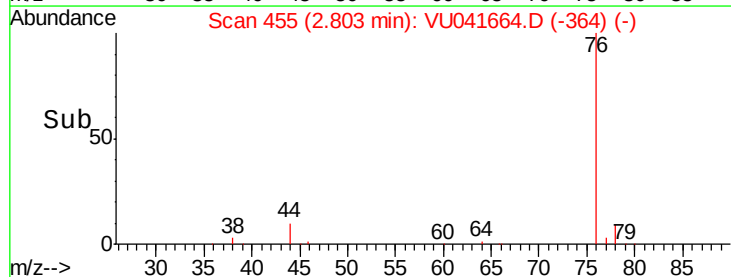
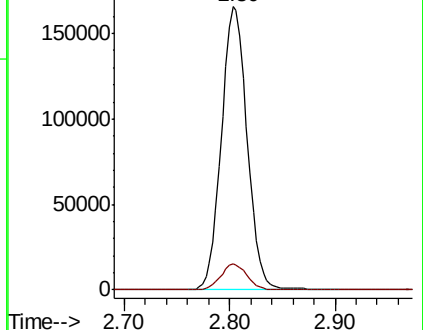
76 100

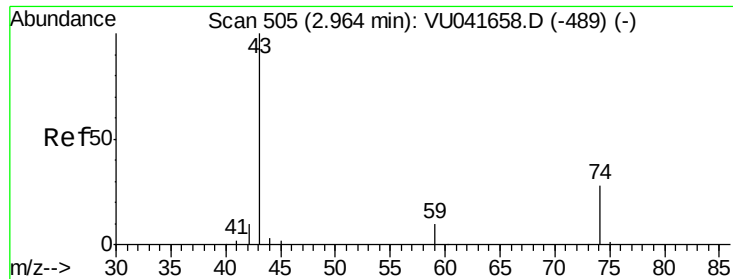
78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU041658.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041658.D (-443) (-)

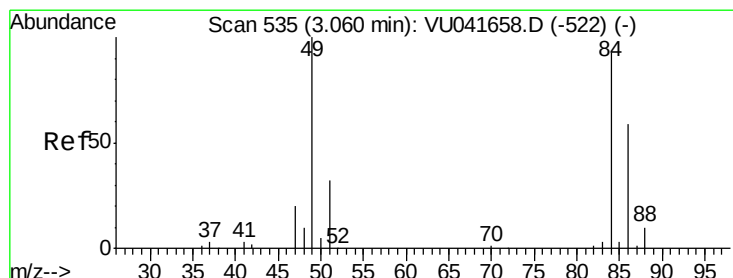
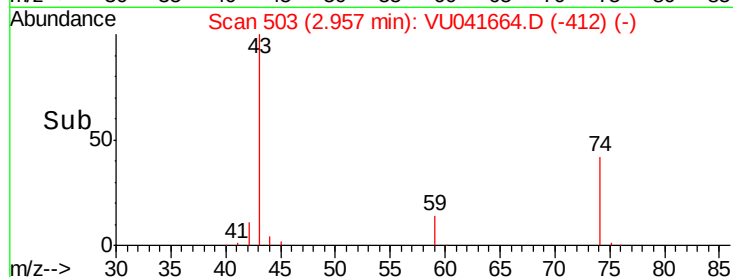
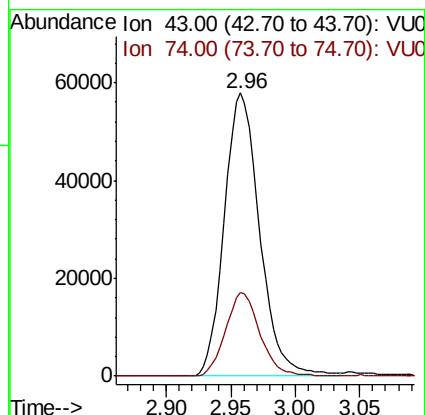
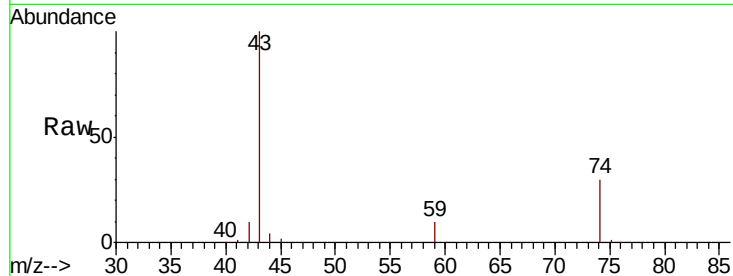




#15
Methvl Acetate
Concen: 44.948 ug/L
RT: 2.96 min Scan# 503
Delta R.T. -0.01 min
Lab File: VU041664.D
Acq: 16 Dec 2020 12:43

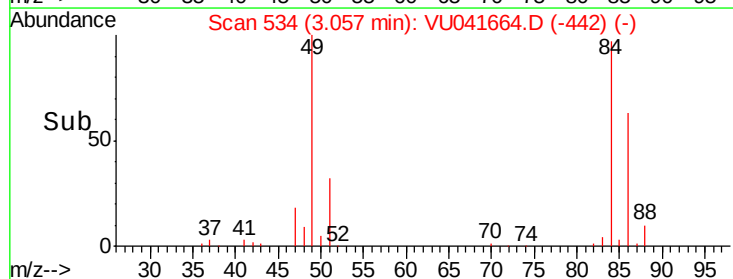
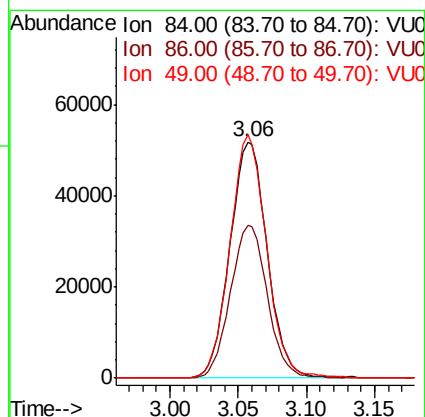
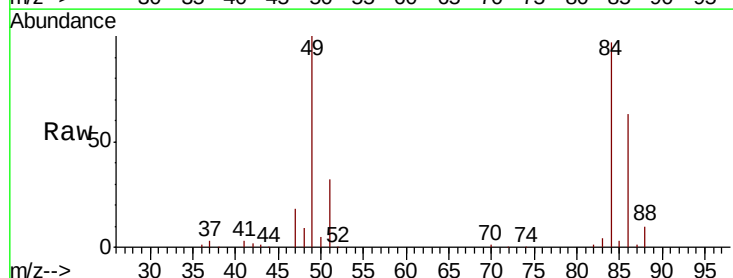
Instrument :
MSVOA_U
ClientSampleId :

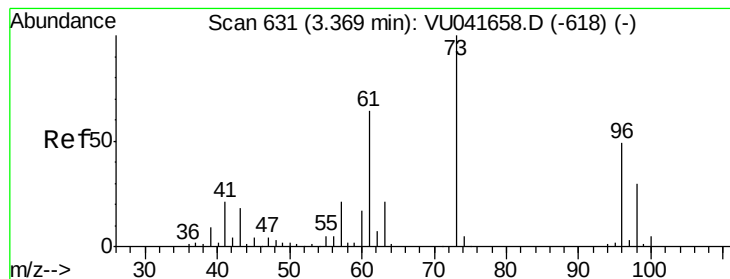
Tot Ion: 43 Resp: 110363
Ion Ratio Lower Upper
43 100
74 28.7 22.1 33.1



#16
Methylene chloride
Concen: 44.099 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041664.D
Acq: 16 Dec 2020 12:43

Tgt Ion: 84 Resp: 98143
Ion Ratio Lower Upper
84 100
86 64.8 44.0 81.6
49 103.1 75.0 139.4





#17

trans-1,2-Dichloroethene

Concen: 46.266 ug/L

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

Instrument :

MSVOA_U

ClientSampleId :

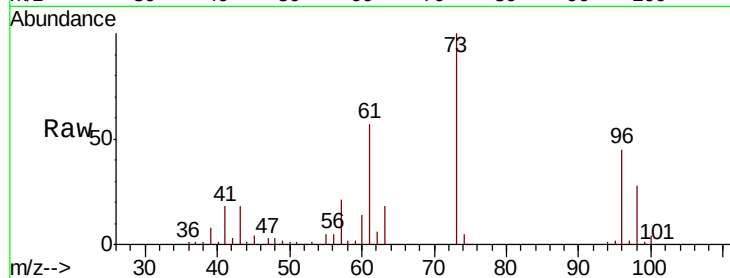
Tot Ion: 96 Resp: 93380

Ion Ratio Lower Upper

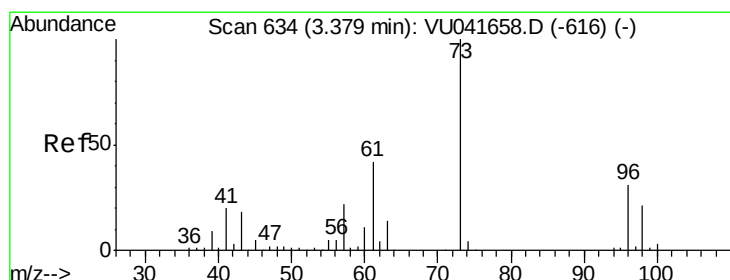
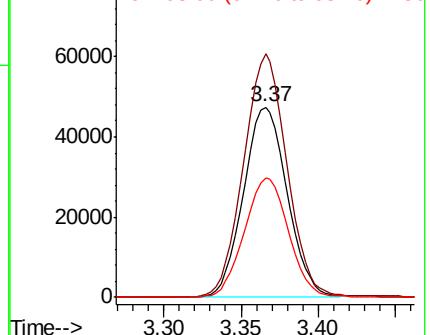
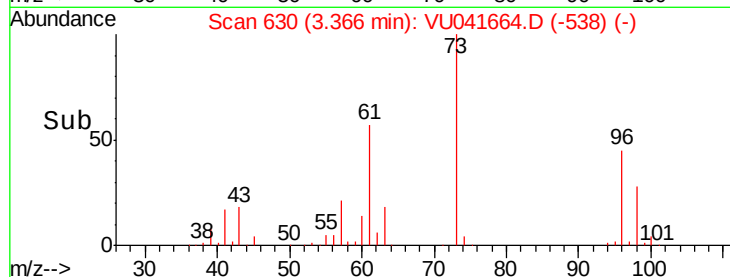
96 100

61 128.1 92.6 172.0

98 62.8 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VU041664.D (-538) (-)



#18

Methyl tert-butyl Ether

Concen: 44.112 ug/L

RT: 3.38 min Scan# 633

Delta R.T. -0.00 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

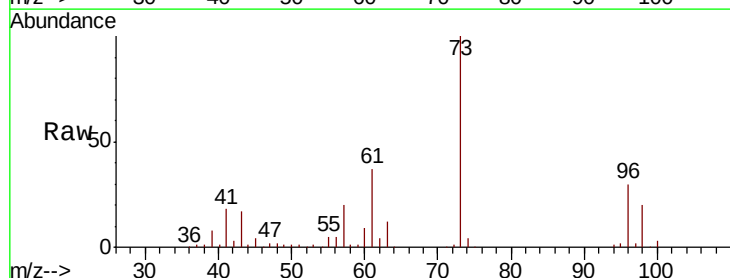
Tgt Ion: 73 Resp: 276332

Ion Ratio Lower Upper

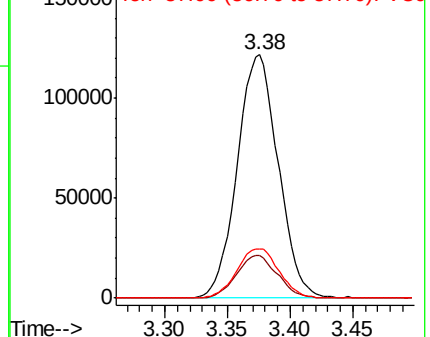
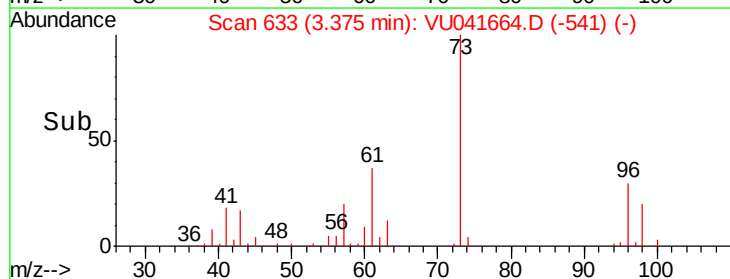
73 100

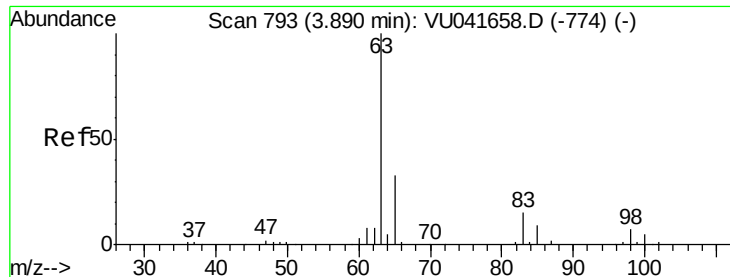
43 17.6 14.8 22.2

57 21.0 17.0 25.6



Abundance Ion 73.00 (72.70 to 73.70): VU041664.D (-541) (-)



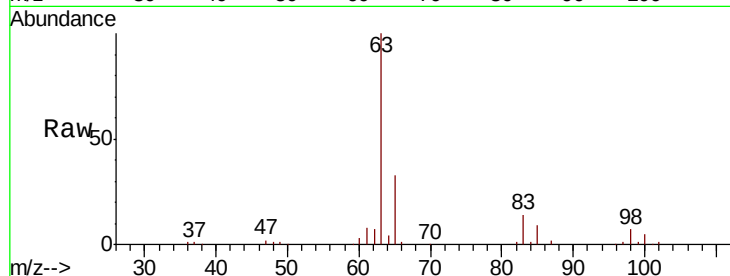


#19
 1,1-Dichloroethane
 Concen: 42.752 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

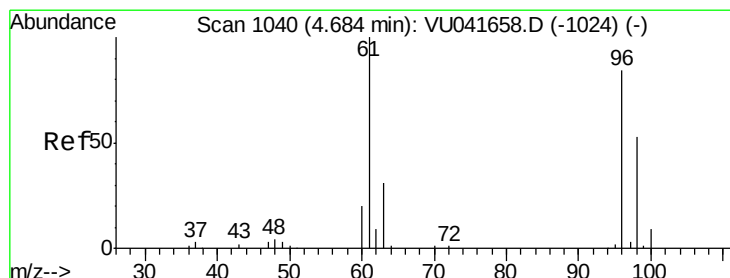
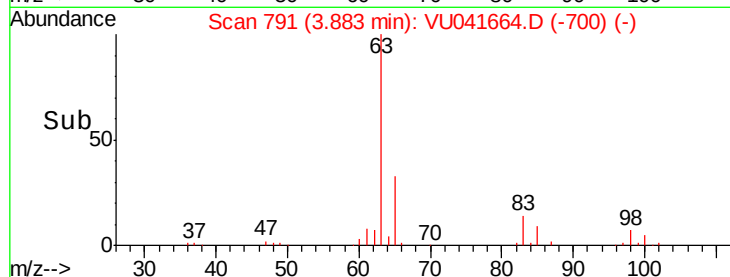
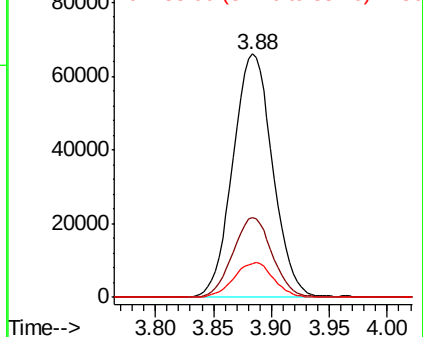
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 157617

Ion	Ratio	Lower	Upper
63	100		
65	32.9	22.9	42.5
83	14.0	10.3	19.1



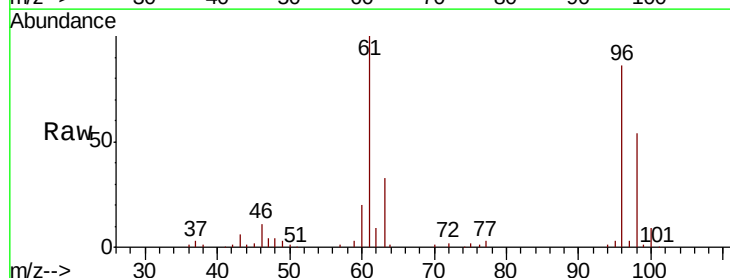
Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0



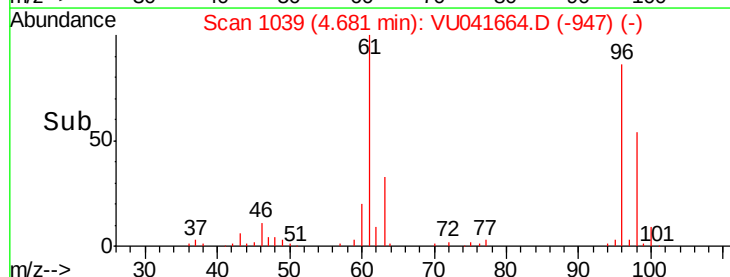
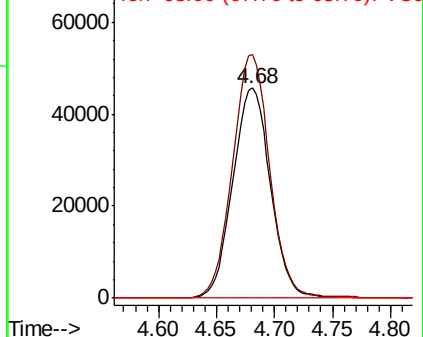
#20
 cis-1,2-Dichloroethene
 Concen: 46.668 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

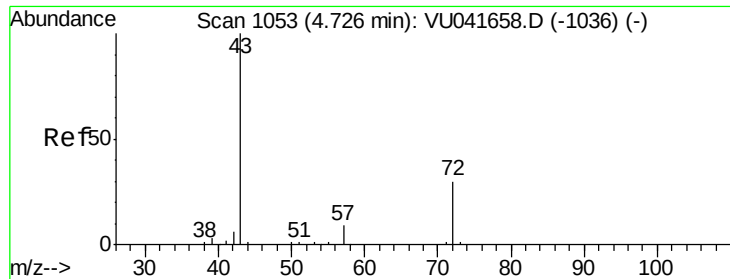
Tgt Ion: 96 Resp: 103165

Ion	Ratio	Lower	Upper
96	100		
61	115.9	83.7	155.5
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 93.561 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

Instrument :

MSVOA_U

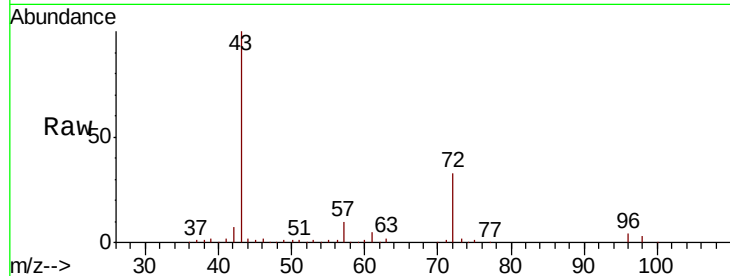
ClientSampleId :

Tot Ion: 43 Resp: 173615

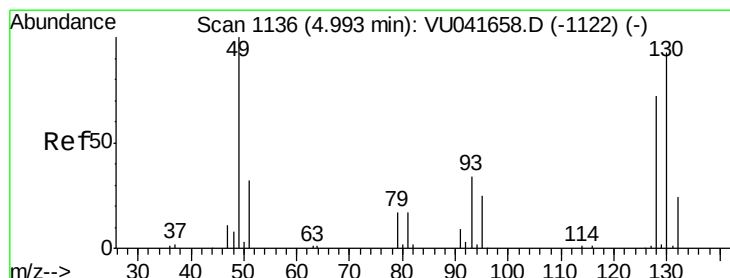
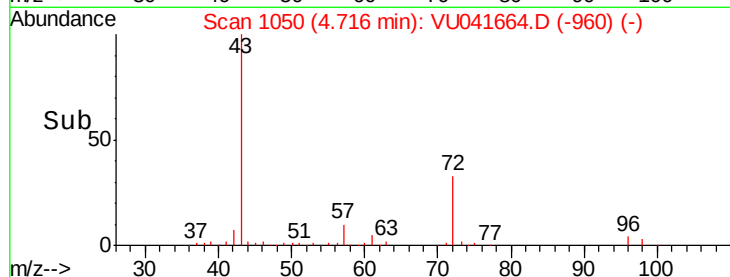
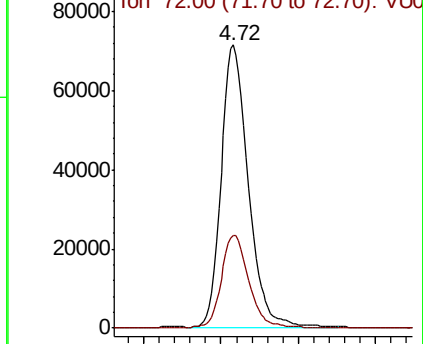
Ion Ratio Lower Upper

43 100

72 33.3 15.6 46.8



Abundance Ion 43.00 (42.70 to 43.70): VU041664.D (-960) (-)



#23

Bromochloromethane

Concen: 46.805 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

Tgt Ion: 128 Resp: 55485

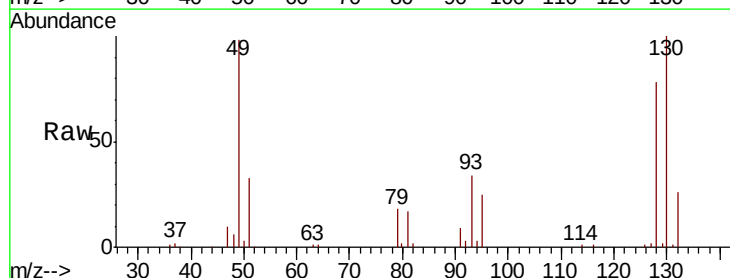
Ion Ratio Lower Upper

128 100

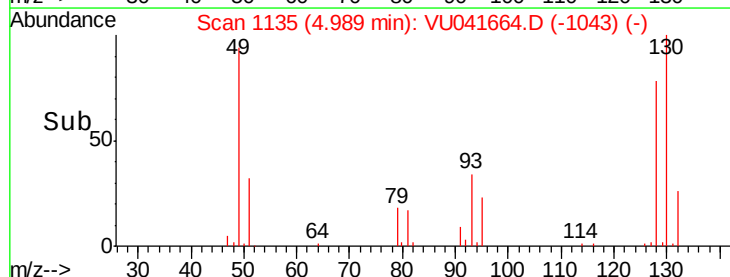
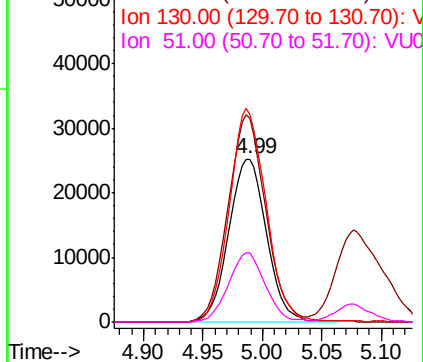
49 124.8 97.9 181.9

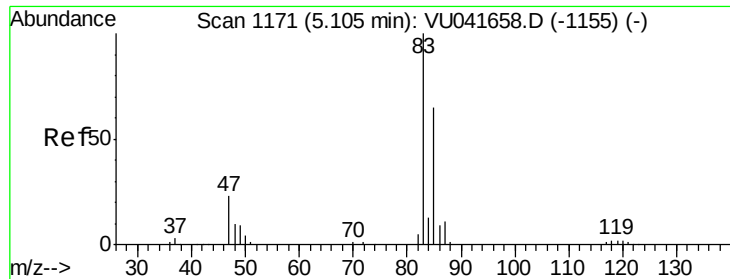
130 127.5 90.9 168.9

51 42.2 35.9 53.9



Abundance Ion 128.00 (127.70 to 128.70): VU041664.D (-1043) (-)

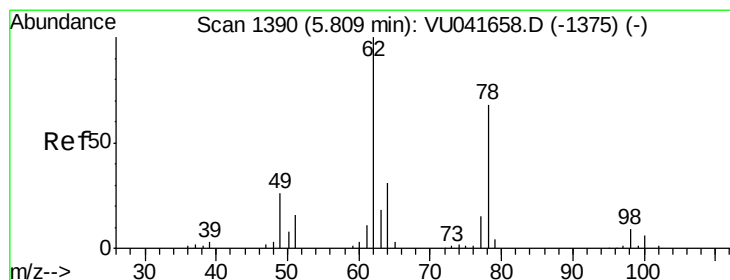
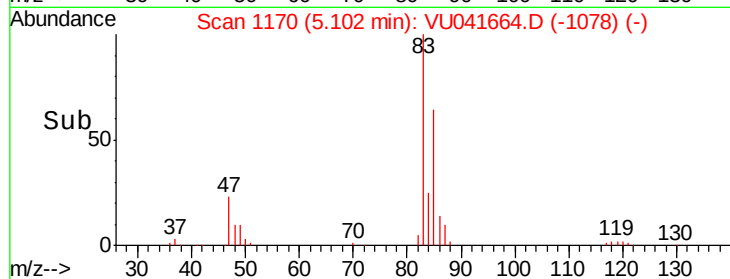
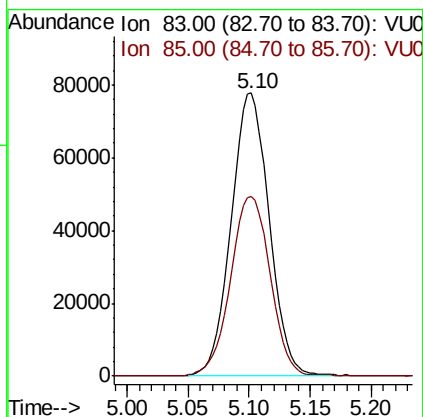
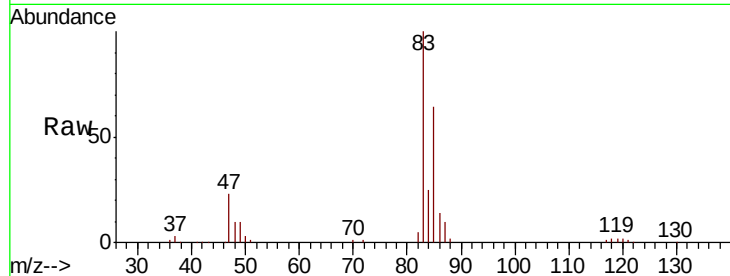




#25
Chloroform
Concen: 43.311 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041664.D
Acq: 16 Dec 2020 12:43

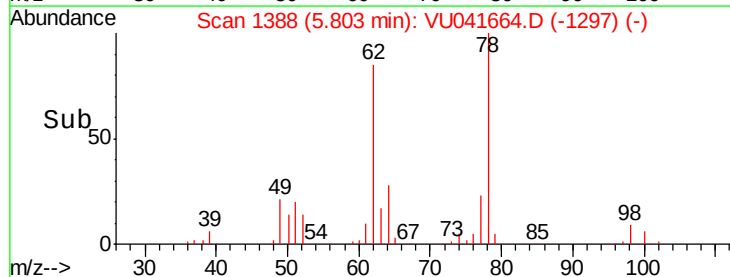
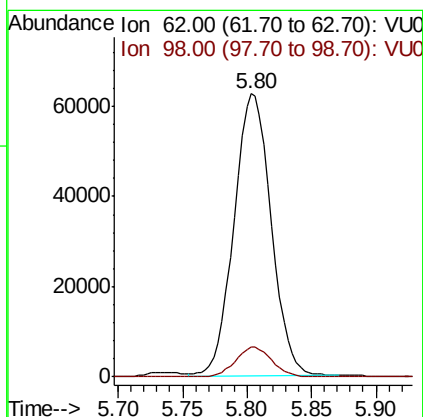
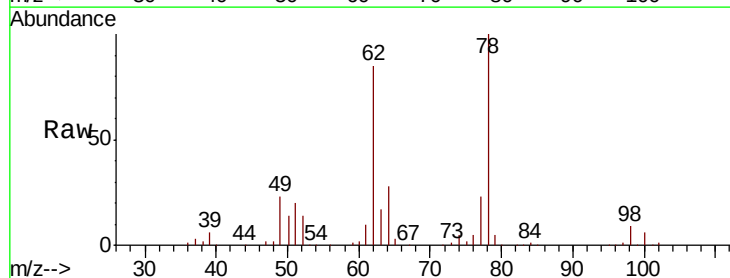
Instrument :
MSVOA_U
ClientSampleId :

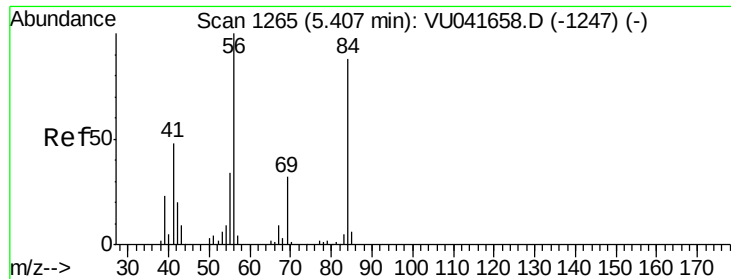
Tot Ion: 83 Resp: 168345
Ion Ratio Lower Upper
83 100
85 63.5 45.4 84.4



#27
1,2-Dichloroethane
Concen: 41.506 ug/L
RT: 5.80 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VU041664.D
Acq: 16 Dec 2020 12:43

Tgt Ion: 62 Resp: 125888
Ion Ratio Lower Upper
62 100
98 10.5 7.1 10.7

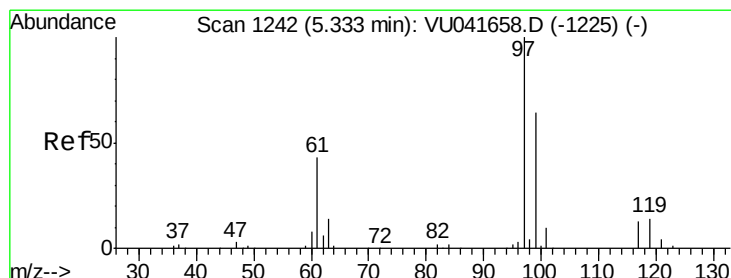
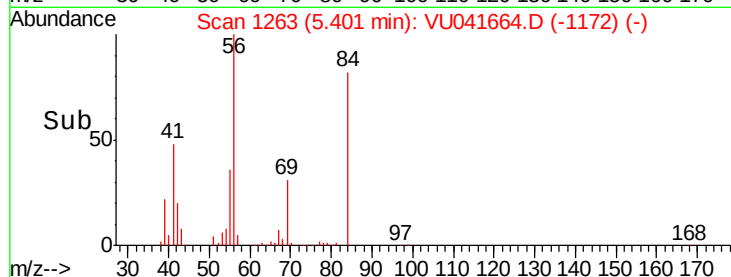
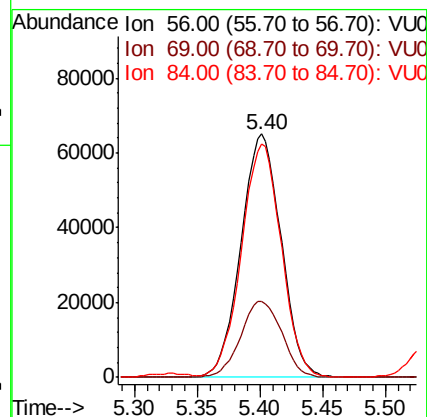
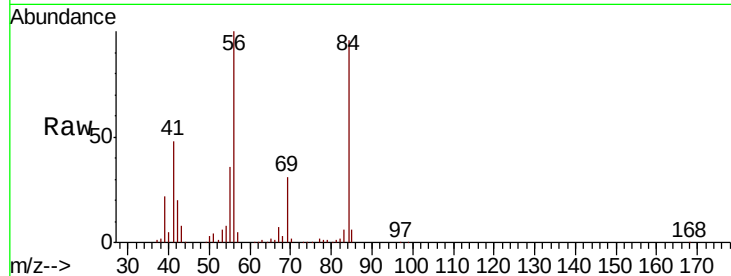




#29
Cyclohexane
Concen: 47.789 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VU041664.D
Acq: 16 Dec 2020 12:43

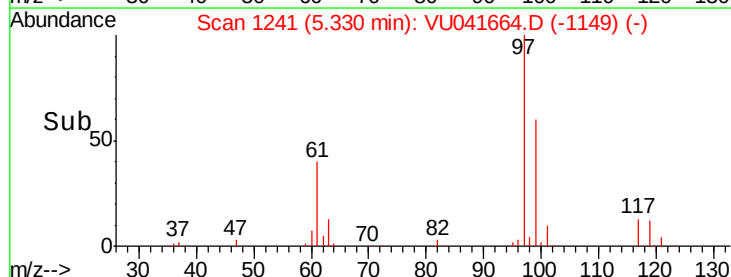
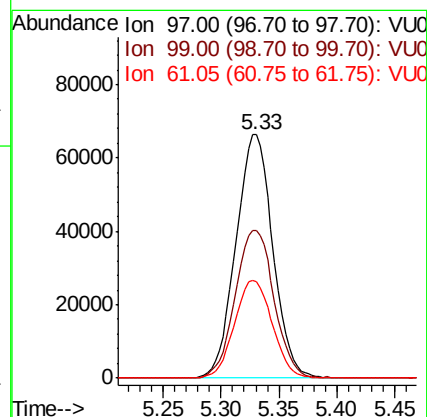
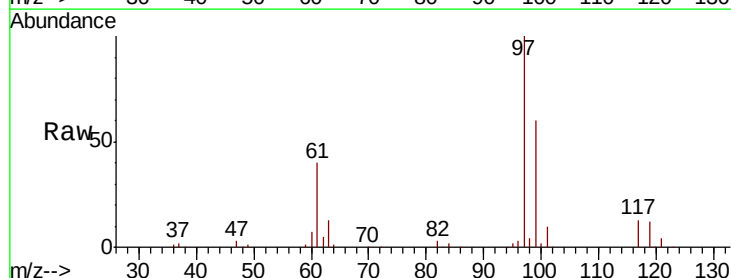
Instrument :
MSVOA_U
ClientSampleId :

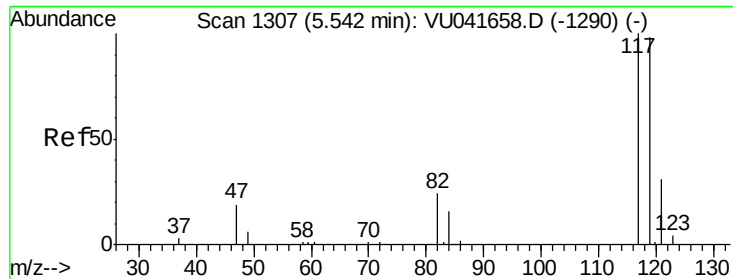
Tot Ion: 56 Resp: 144772
Ion Ratio Lower Upper
56 100
69 31.9 25.0 37.6
84 94.9 72.6 109.0



#30
1,1,1-Trichloroethane
Concen: 44.772 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU041664.D
Acq: 16 Dec 2020 12:43

Tgt Ion: 97 Resp: 146361
Ion Ratio Lower Upper
97 100
99 63.7 50.9 76.3
61 41.0 33.4 50.0

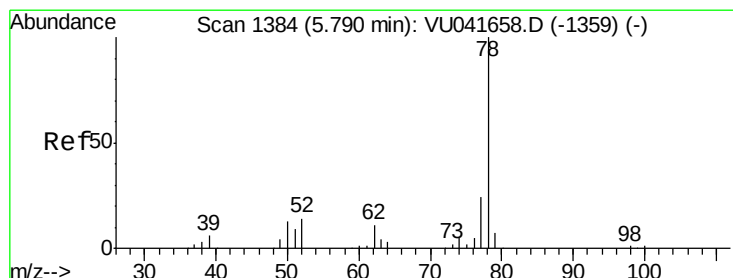
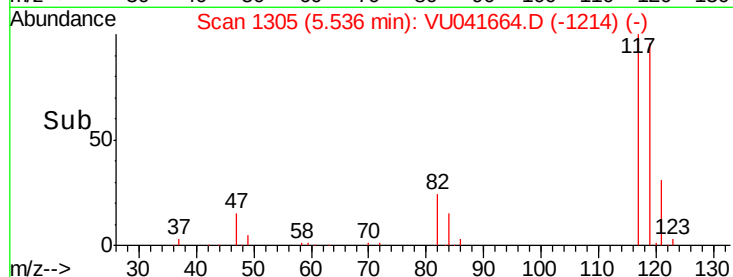
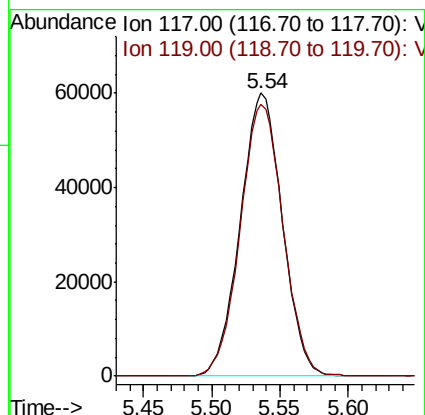
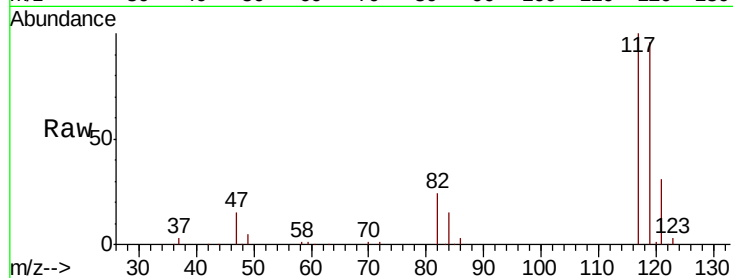




#31
Carbon tetrachloride
Concen: 45.019 ug/L
RT: 5.54 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VU041664.D
Acq: 16 Dec 2020 12:43

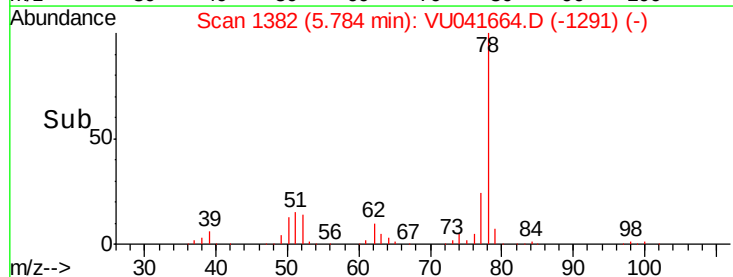
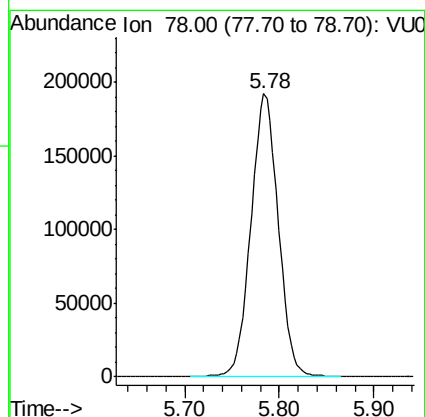
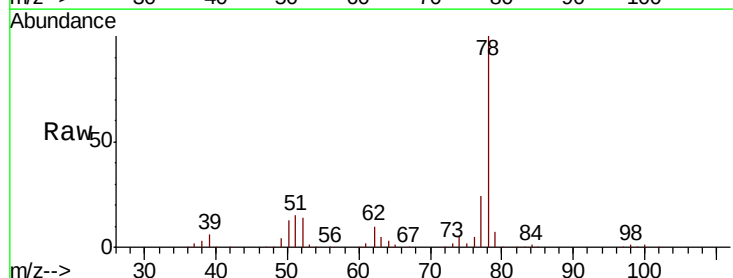
Instrument :
MSVOA_U
ClientSampleId :

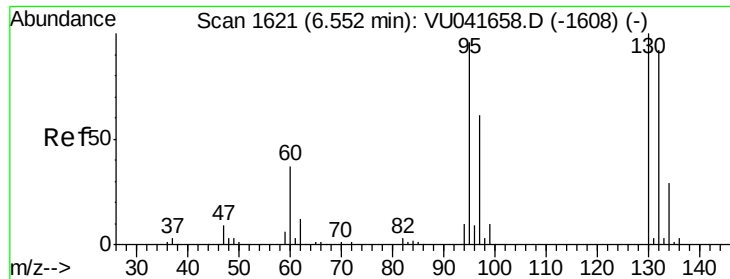
Tot Ion:117 Resp: 128413
Ion Ratio Lower Upper
117 100
119 98.0 77.2 115.8



#33
Benzene
Concen: 46.426 ug/L
RT: 5.78 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VU041664.D
Acq: 16 Dec 2020 12:43

Tgt Ion: 78 Resp: 386619





#34

Trichloroethene

Concen: 46.442 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 100205

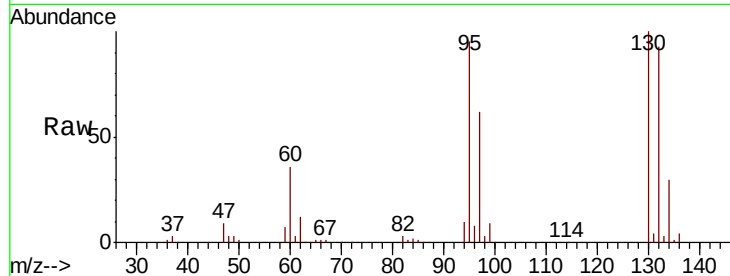
Ion Ratio Lower Upper

95 100

97 65.4 44.5 82.7

132 98.5 66.7 123.9

130 105.8 72.5 134.7

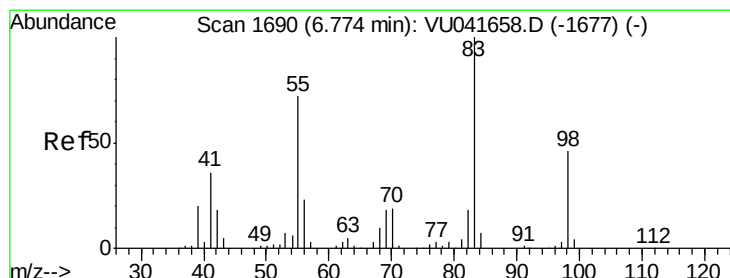
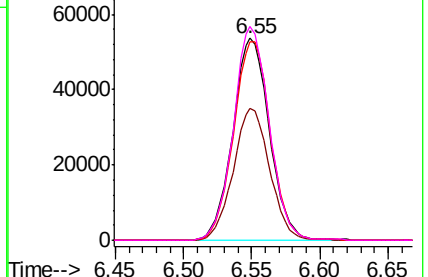
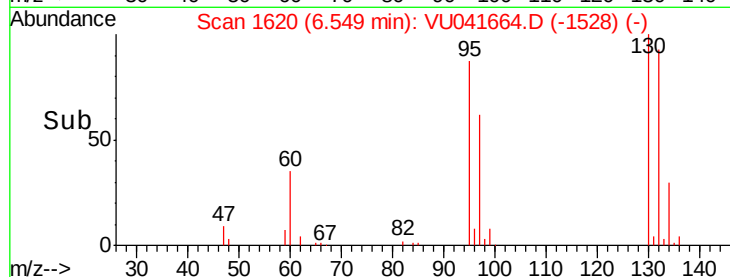


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 47.629 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

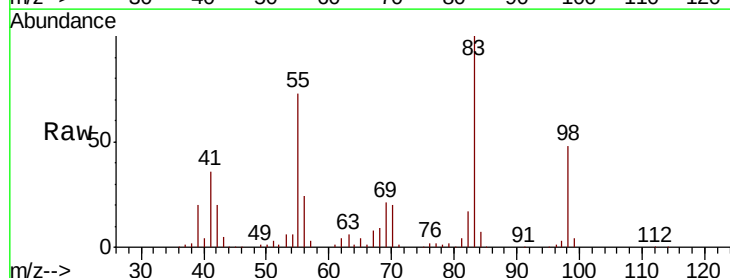
Tgt Ion: 83 Resp: 162932

Ion Ratio Lower Upper

83 100

55 72.6 57.8 86.6

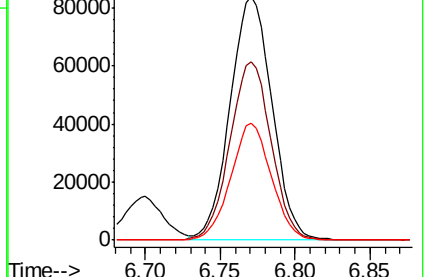
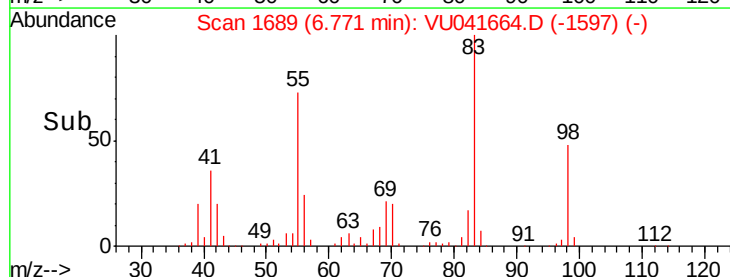
98 46.8 37.7 56.5

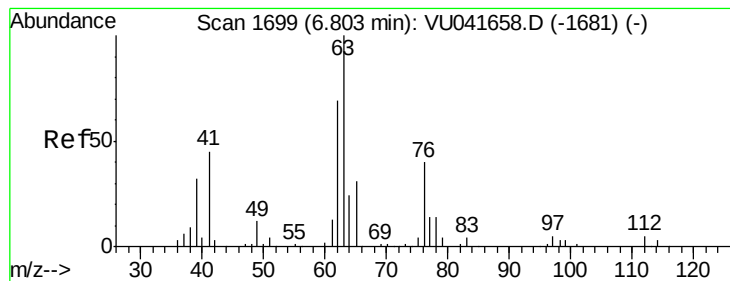


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 46.018 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

Instrument :

MSVOA_U

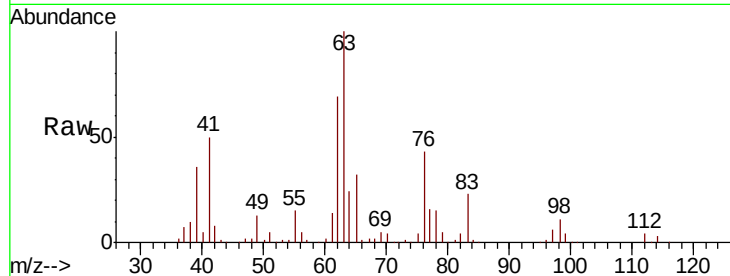
ClientSampleId :

Tot Ion: 63 Resp: 96266

Ion Ratio Lower Upper

63 100

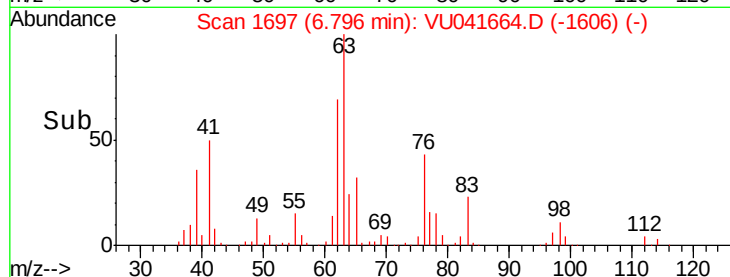
112 4.3 3.5 5.3



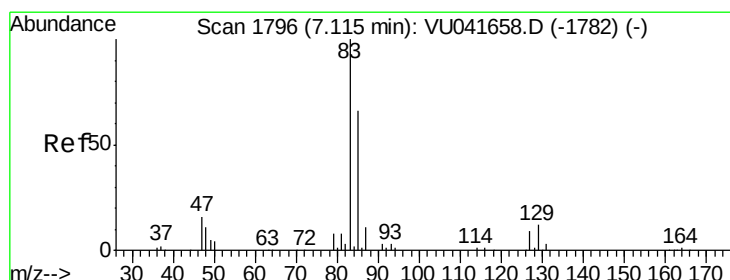
Abundance Ion 63.00 (62.70 to 63.70): VU041658.D (-1681) (-)

Ion 112.00 (111.70 to 112.70): VU041658.D (-1681) (-)

Time-->



Time-->



#38

Bromodichloromethane

Concen: 43.980 ug/L

RT: 7.11 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

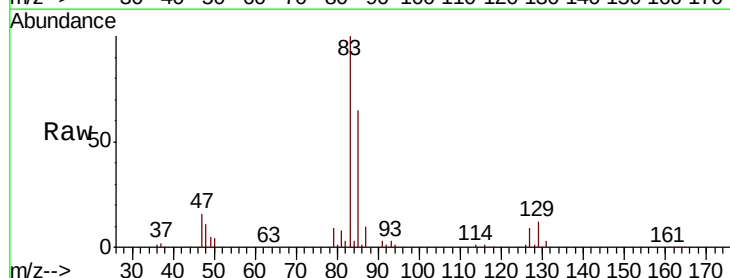
Tgt Ion: 83 Resp: 124564

Ion Ratio Lower Upper

83 100

85 64.7 45.9 85.3

127 9.5 7.5 11.3

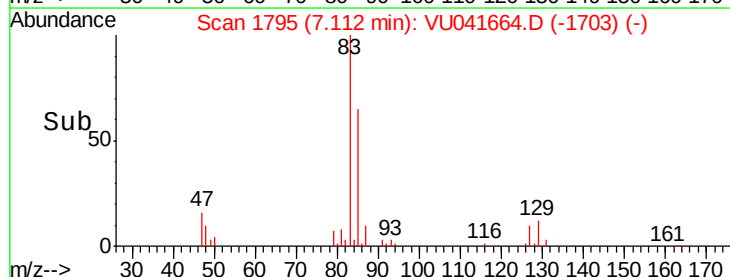


Abundance Ion 83.00 (82.70 to 83.70): VU041658.D (-1782) (-)

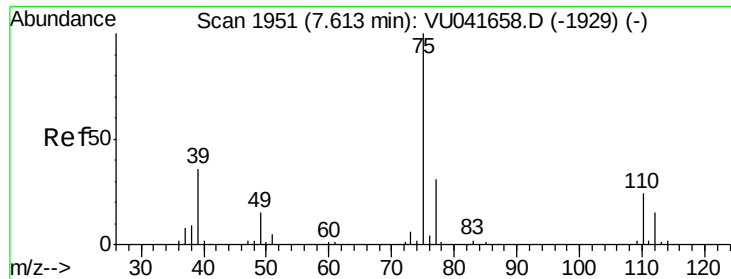
Ion 85.00 (84.70 to 85.70): VU041658.D (-1782) (-)

Ion 127.00 (126.70 to 127.70): VU041658.D (-1782) (-)

Time-->



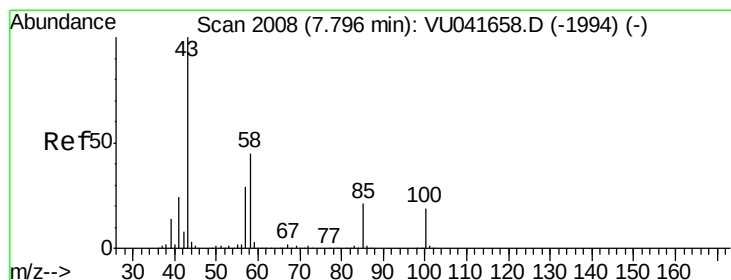
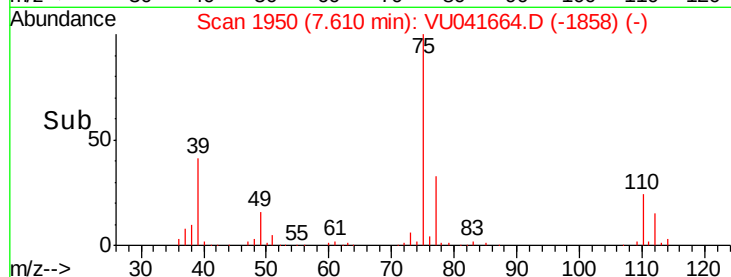
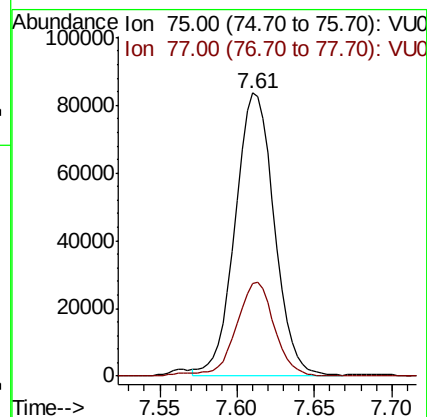
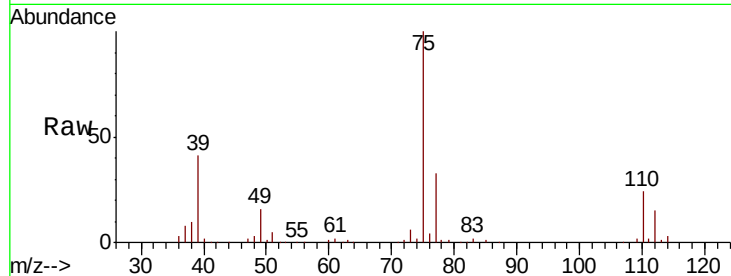
Time-->



#39
 cis-1,3-Dichloropropene
 Concen: 43.876 ug/L
 RT: 7.61 min Scan# 1950
 Delta R.T. -0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

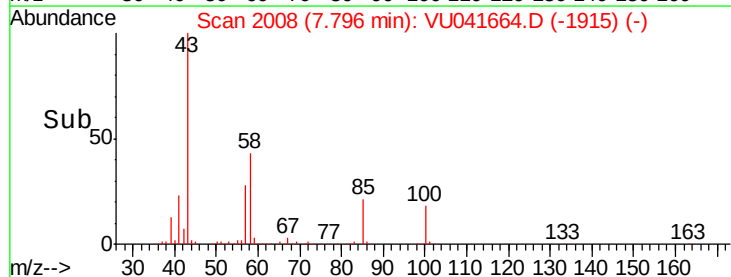
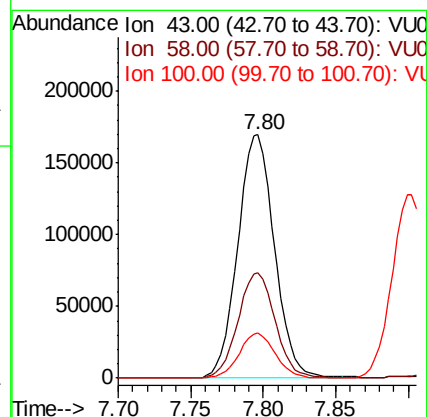
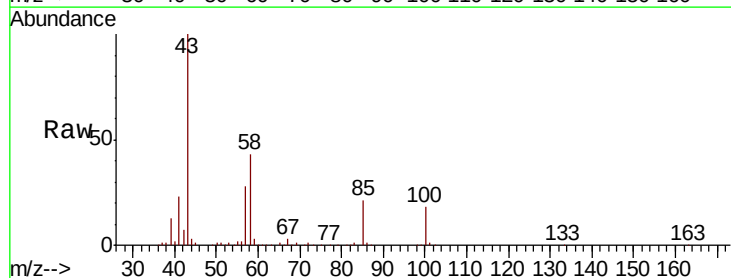
Instrument :
 MSVOA_U
 ClientSampleId :

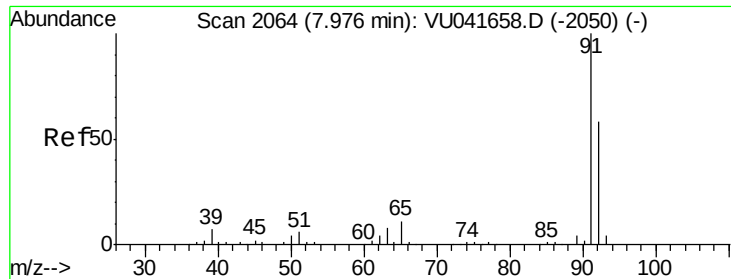
Tot Ion: 75 Resp: 146283
 Ion Ratio Lower Upper
 75 100
 77 32.5 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 97.151 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

Tgt Ion: 43 Resp: 298406
 Ion Ratio Lower Upper
 43 100
 58 43.8 36.1 54.1
 100 18.3 14.9 22.3





#42

Toluene

Concen: 45.043 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

Instrument :

MSVOA_U

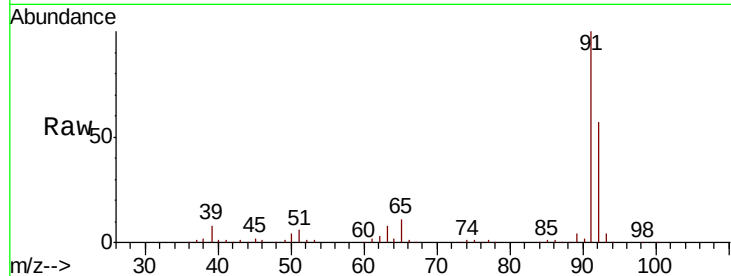
ClientSampleId :

Tot Ion: 91 Resp: 396060

Ion Ratio Lower Upper

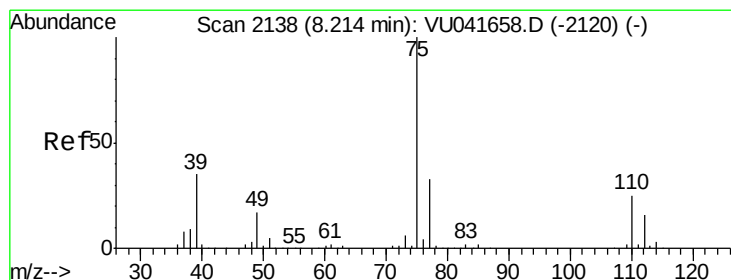
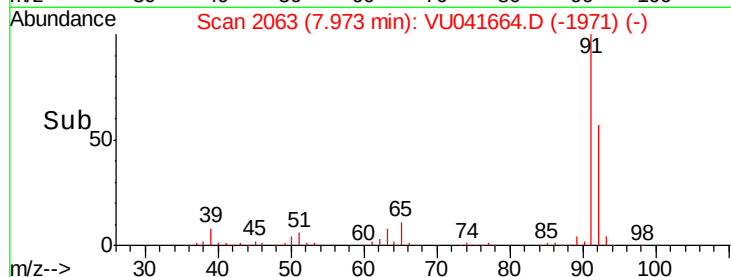
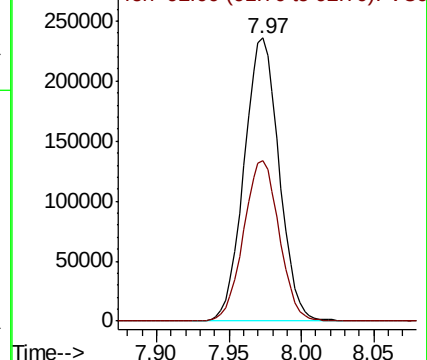
91 100

92 56.9 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 45.633 ug/L

RT: 8.21 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU041664.D

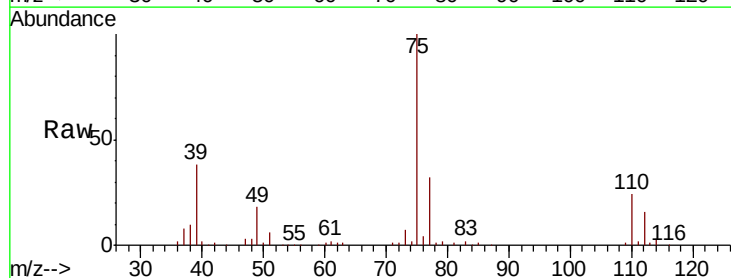
Acq: 16 Dec 2020 12:43

Tgt Ion: 75 Resp: 147446

Ion Ratio Lower Upper

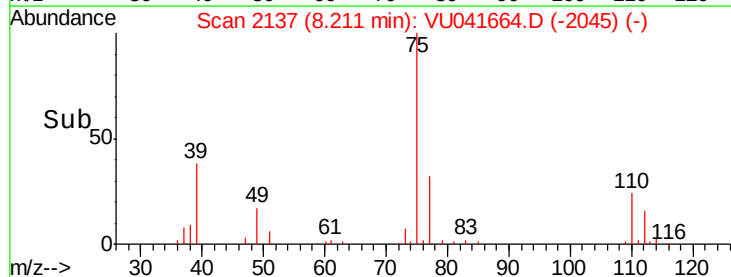
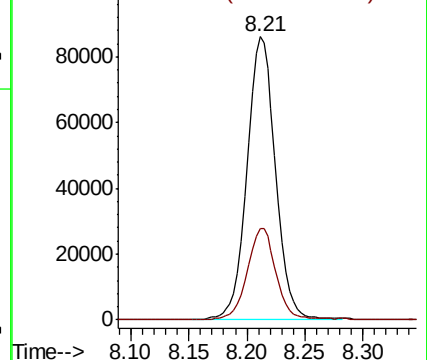
75 100

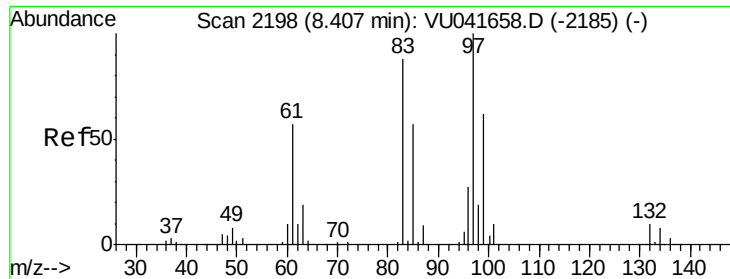
77 32.3 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

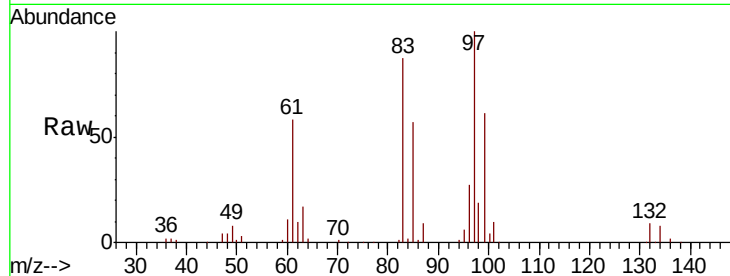




#45
 1,1,2-Trichloroethane
 Concen: 43.743 ug/L
 RT: 8.40 min Scan# 2196
 Delta R.T. -0.01 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	92576
Ion	Ratio	Lower	Upper
97	100		
99	61.3	43.3	80.3
83	86.6	61.4	114.0
85	56.9	40.0	74.4



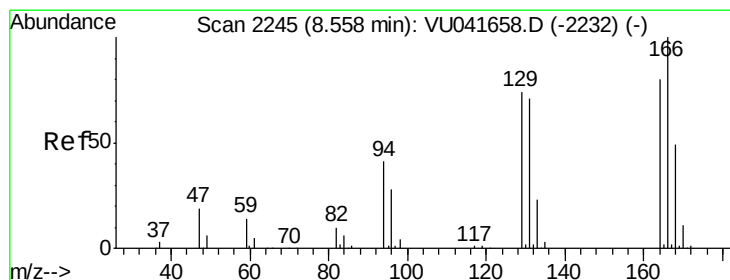
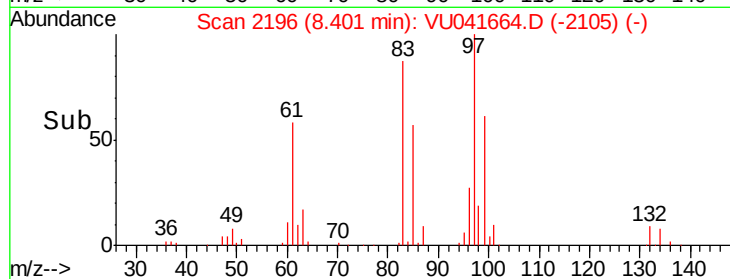
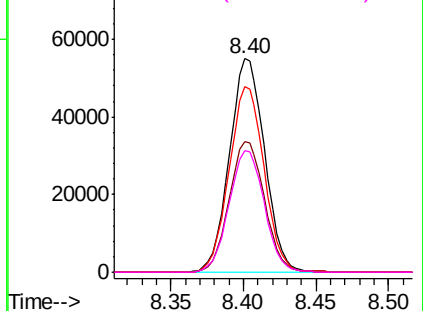
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

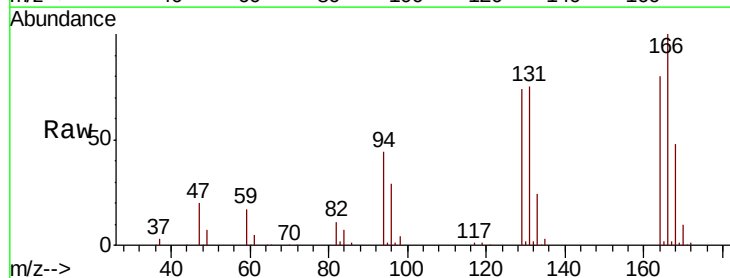
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 44.206 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

Tgt Ion:	164	Resp:	74027
Ion	Ratio	Lower	Upper
164	100		
129	93.4	64.5	119.9
131	94.1	62.5	116.1
166	125.5	87.5	162.5



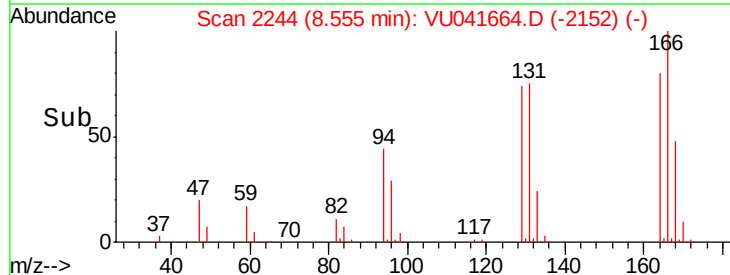
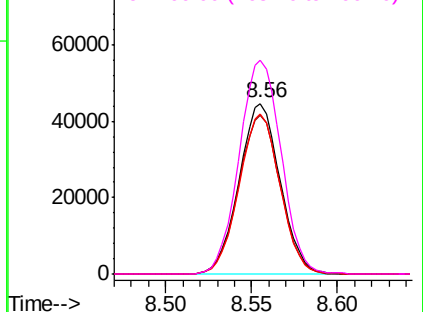
Abundance

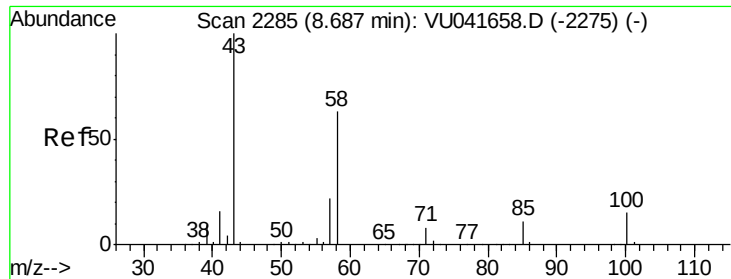
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

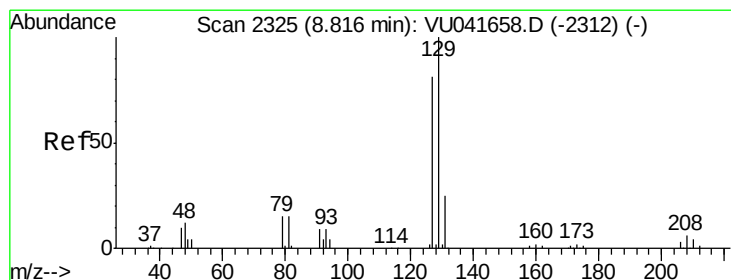
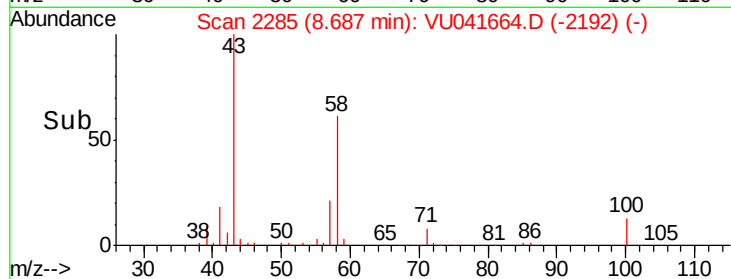
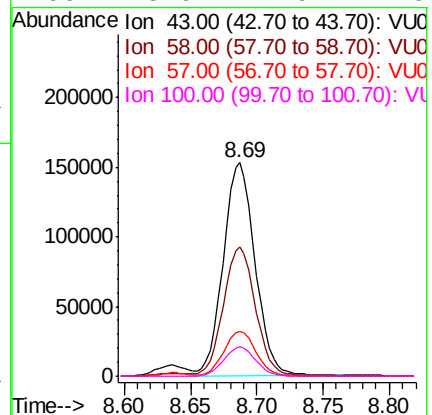
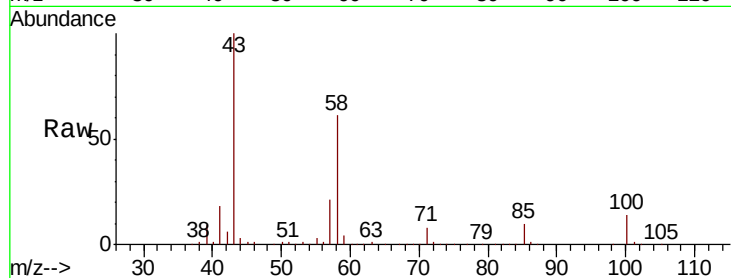




#48
2-Hexanone
Concen: 102.223 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VU041664.D
Acq: 16 Dec 2020 12:43

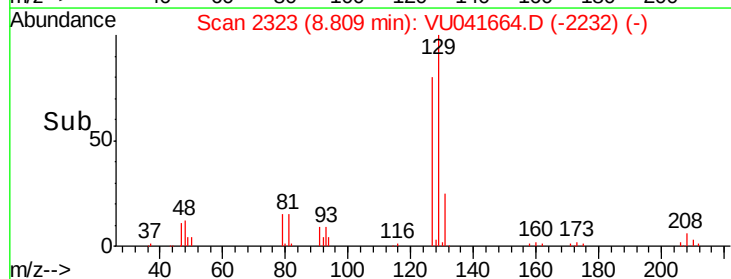
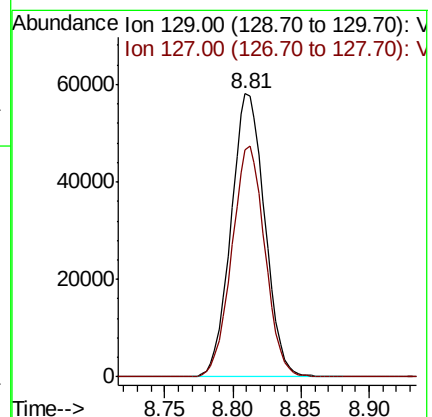
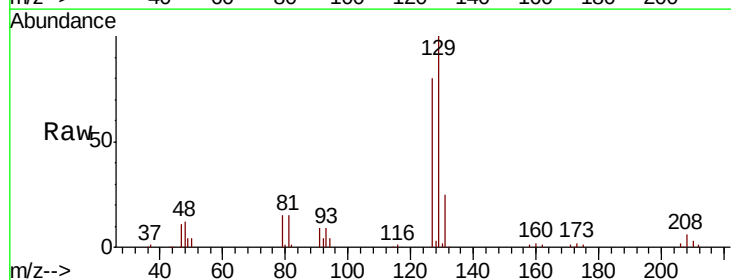
Instrument :
MSVOA_U
ClientSampleId :

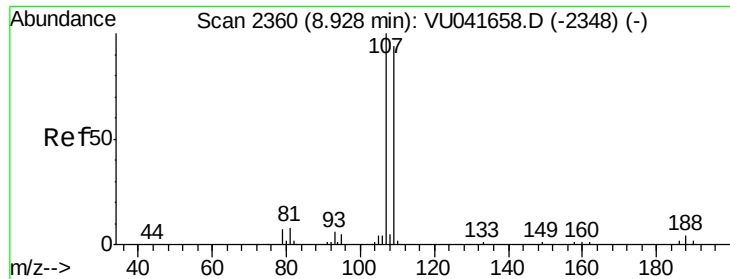
Tot Ion: 43 Resp: 255114
Ion Ratio Lower Upper
43 100
58 60.4 50.4 75.6
57 21.5 17.9 26.9
100 13.9 11.9 17.9



#49
Dibromochloromethane
Concen: 43.596 ug/L
RT: 8.81 min Scan# 2323
Delta R.T. -0.01 min
Lab File: VU041664.D
Acq: 16 Dec 2020 12:43

Tgt Ion: 129 Resp: 99908
Ion Ratio Lower Upper
129 100
127 80.2 56.6 105.2

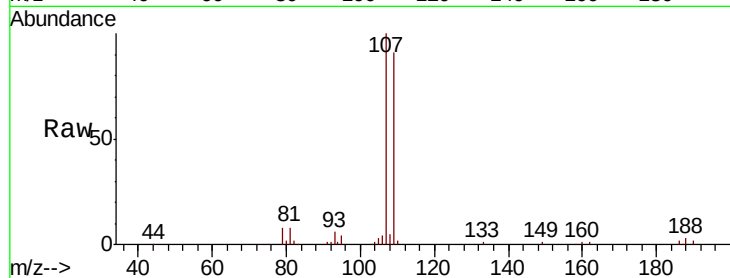




#50
 1,2-Dibromoethane
 Concen: 45.589 ug/L
 RT: 8.92 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.0	65.7	122.1
188	3.4	2.9	4.3

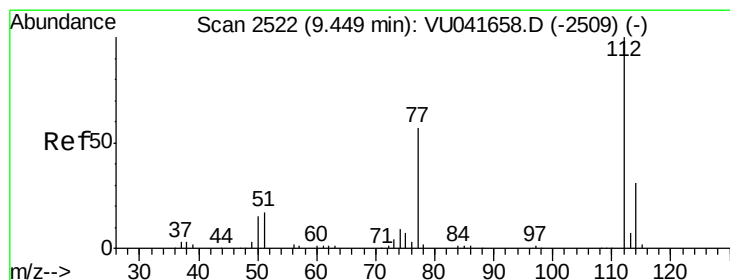
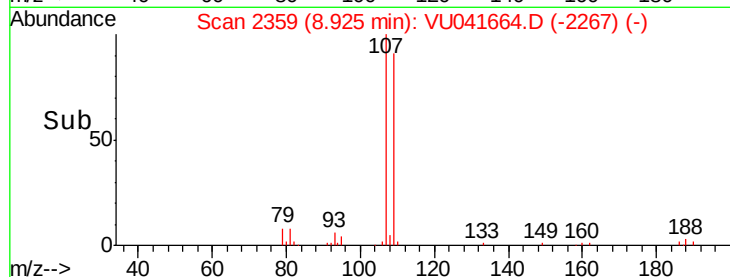
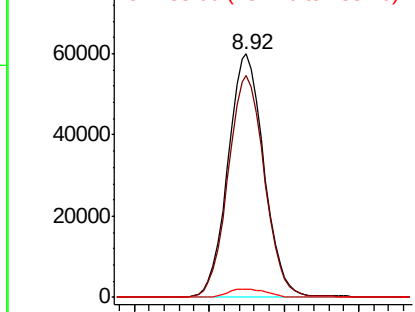


Abundance

Ion 107.00 (106.70 to 107.70): V

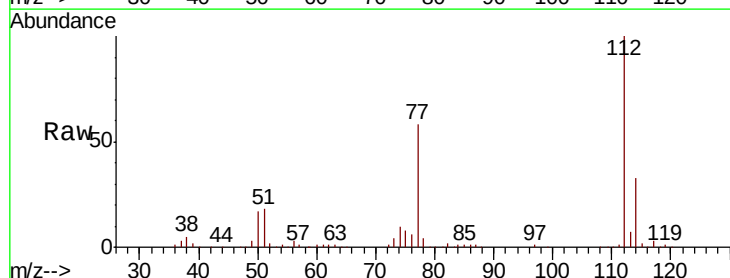
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 44.565 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.0	41.0
77	58.1	46.0	69.0

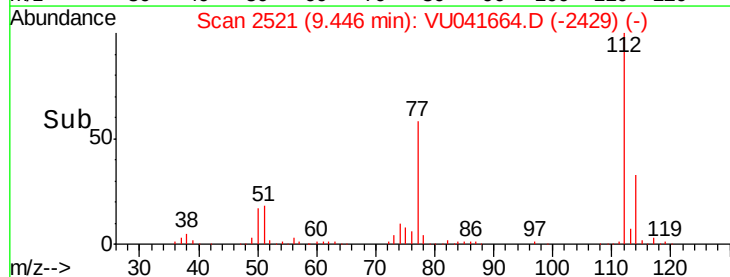
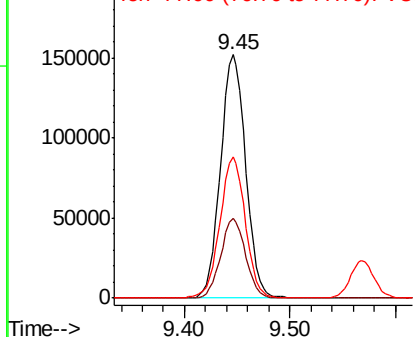


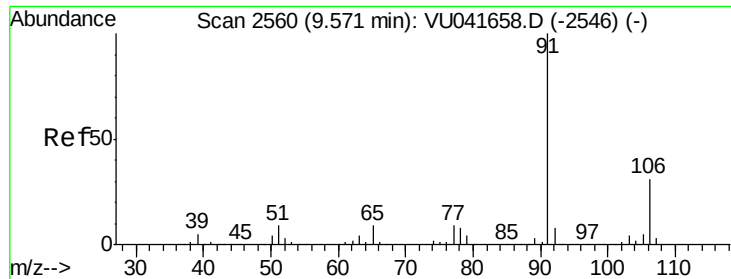
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 46.174 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

Instrument :

MSVOA_U

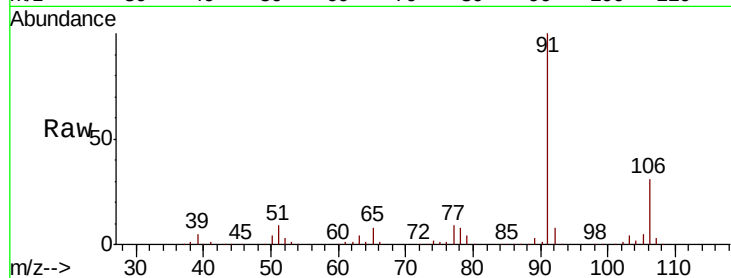
ClientSampleId :

Tot Ion: 91 Resp: 427307

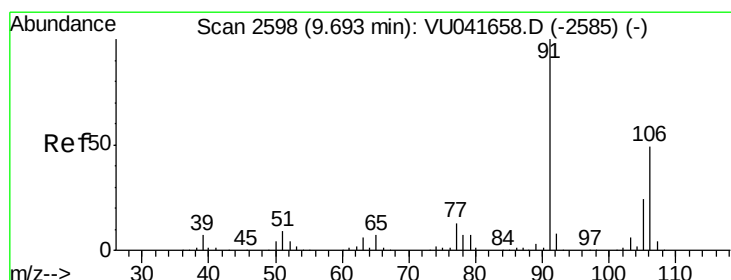
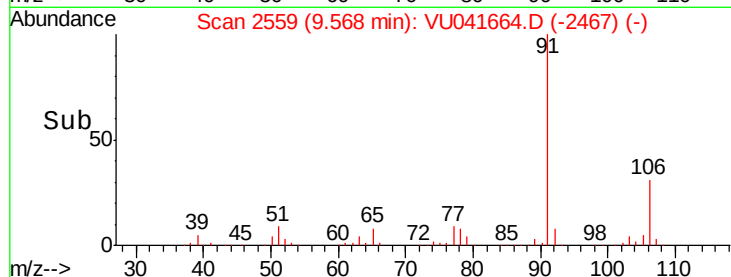
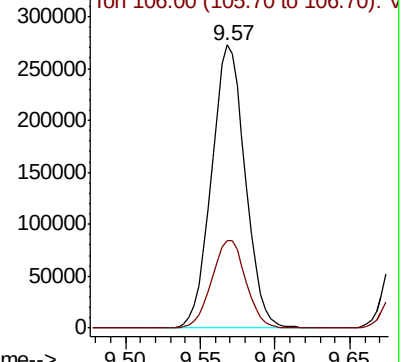
Ion Ratio Lower Upper

91 100

106 31.2 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU041658.D (-2546) (-)



#53

m,p-Xylene

Concen: 46.716 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041664.D

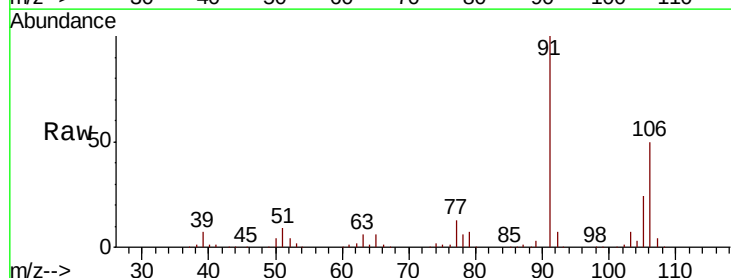
Acq: 16 Dec 2020 12:43

Tgt Ion: 106 Resp: 166119

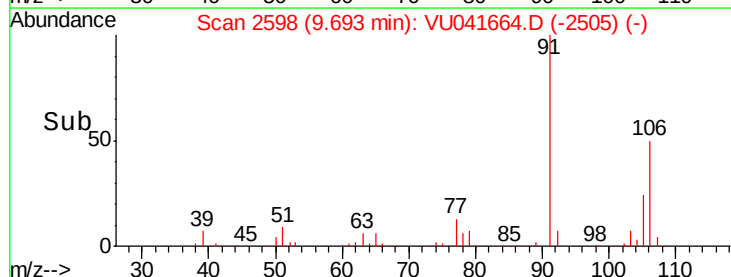
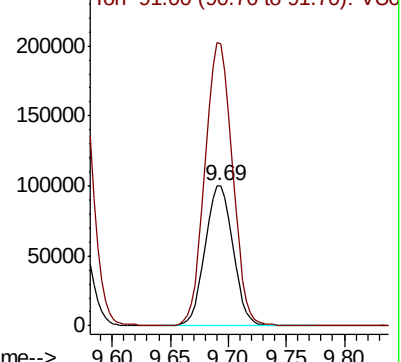
Ion Ratio Lower Upper

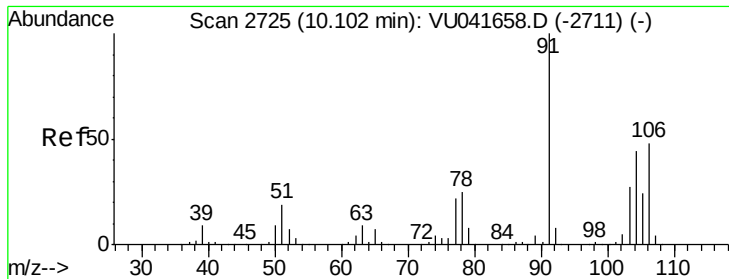
106 100

91 201.5 143.2 266.0



Abundance Ion 106.00 (105.70 to 106.70): VU041658.D (-2585) (-)





#54

o-xylene

Concen: 46.695 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

Instrument :

MSVOA_U

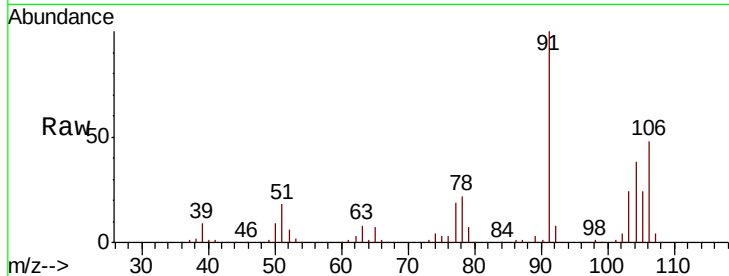
ClientSampled :

Tot Ion:106 Resp: 162106

Ion Ratio Lower Upper

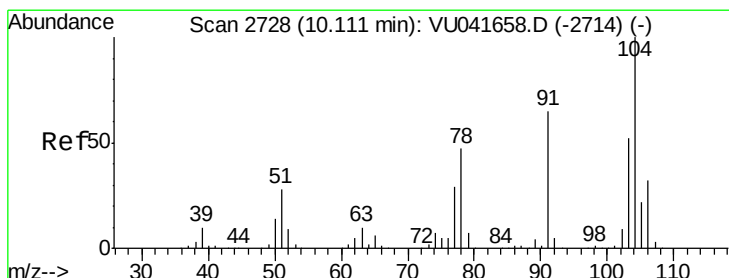
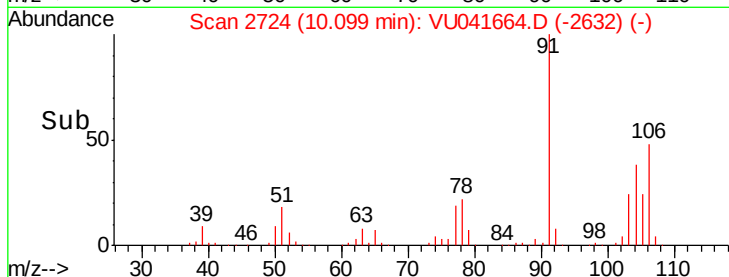
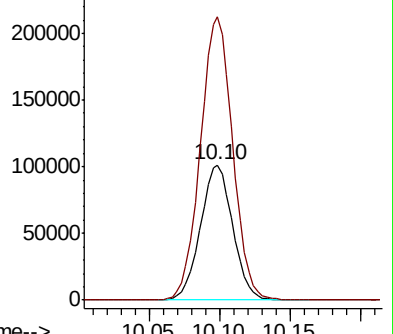
106 100

91 209.1 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 46.754 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. 0.00 min

Lab File: VU041664.D

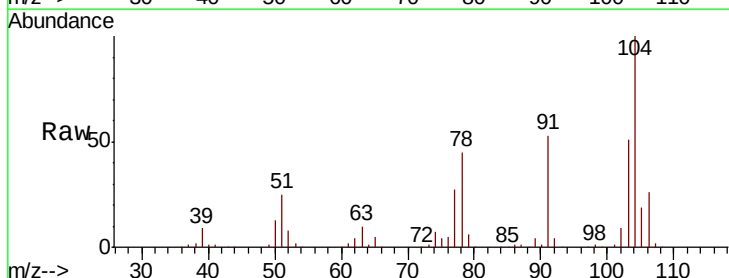
Acq: 16 Dec 2020 12:43

Tgt Ion:104 Resp: 276077

Ion Ratio Lower Upper

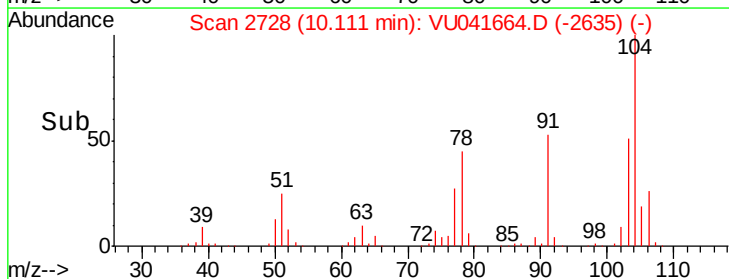
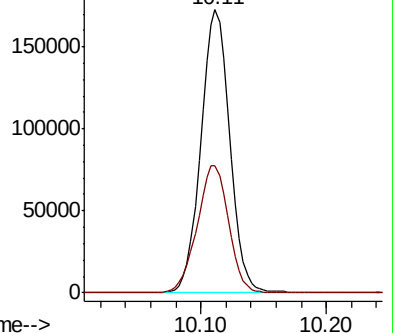
104 100

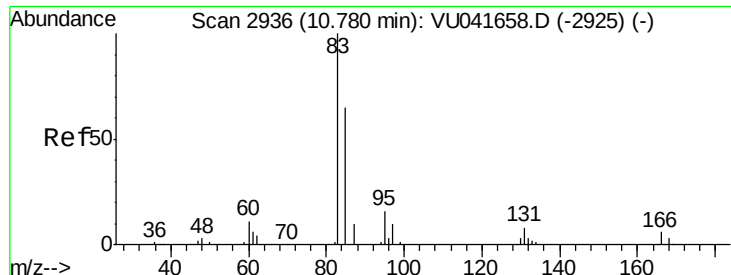
78 45.1 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

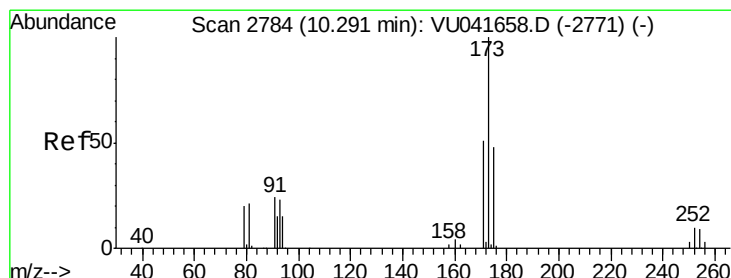
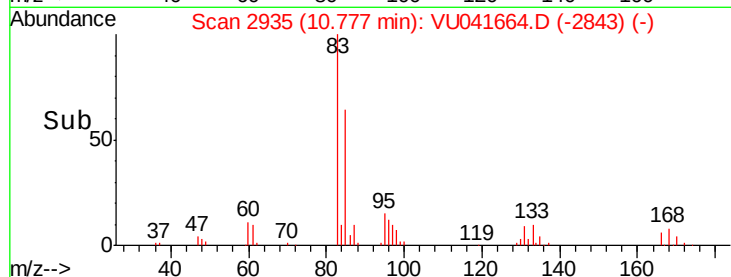
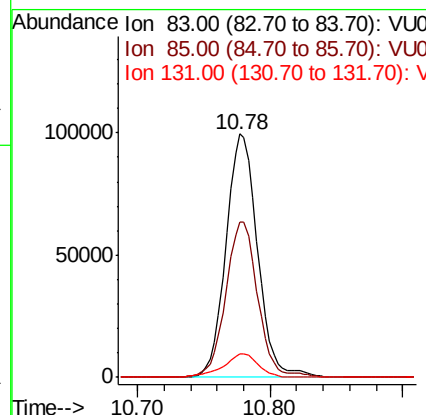
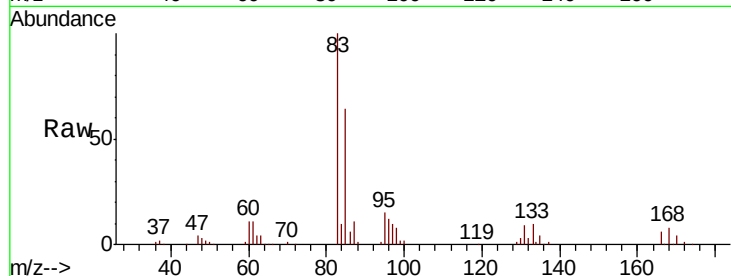




#57
 1,1,2,2-Tetrachloroethane
 Concen: 45.297 ug/L
 RT: 10.78 min Scan# 2935
 Delta R.T. -0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

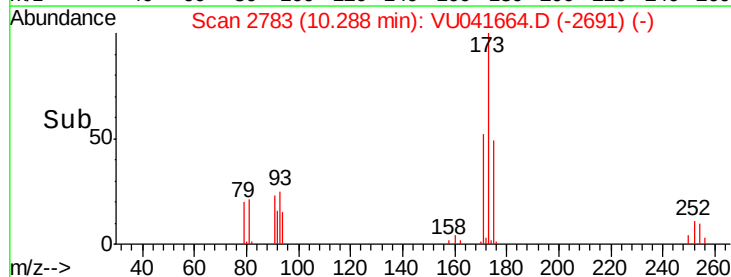
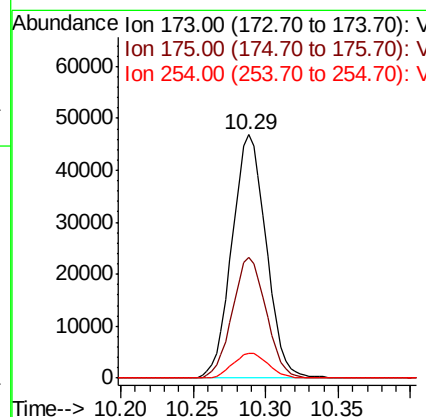
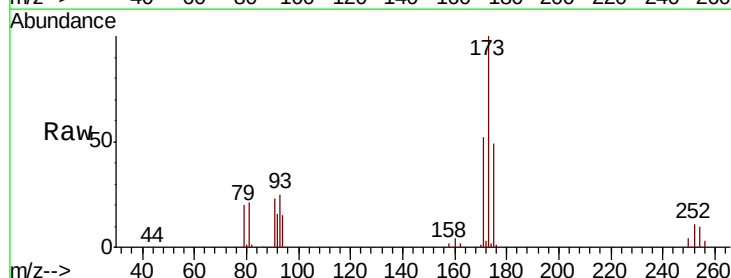
Instrument :
 MSVOA_U
 ClientSampleId :

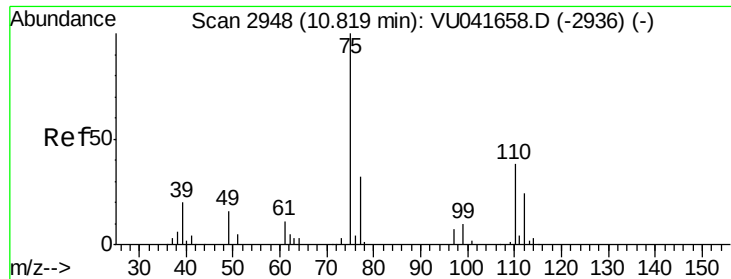
Tot Ion	83	Resp	164806
Ion Ratio	Lower	Upper	
83	100		
85	63.9	46.1	85.7
131	9.5	7.5	11.3



#59
 Bromoform
 Concen: 43.640 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

Tgt Ion	173	Resp	76662
Ion Ratio	Lower	Upper	
173	100		
175	49.0	38.3	57.5
254	10.5	7.6	11.4

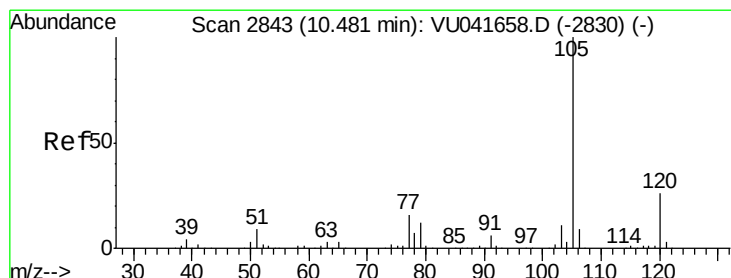
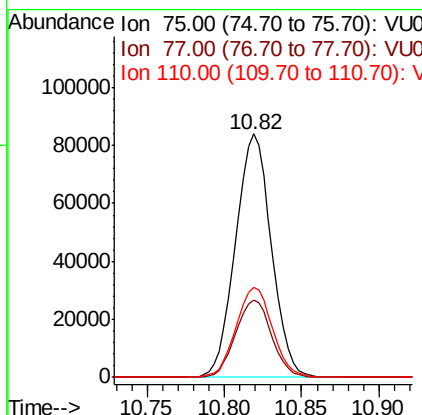
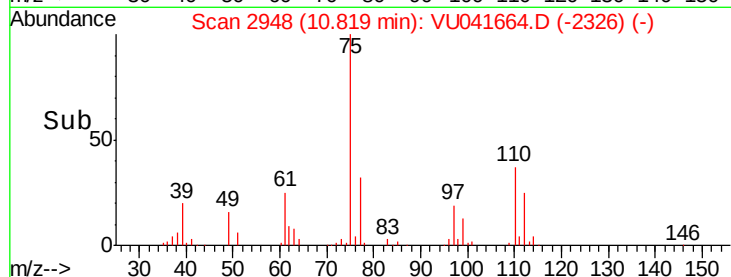
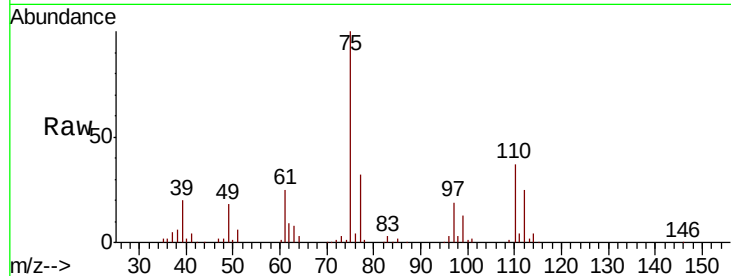




#60
 1,2,3-Trichloropropane
 Concen: 44.729 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. 0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

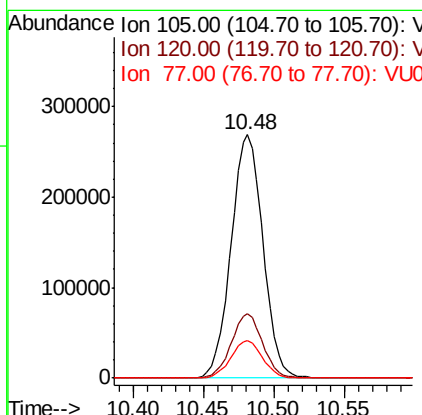
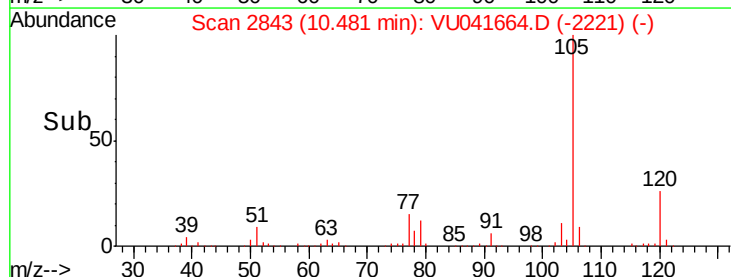
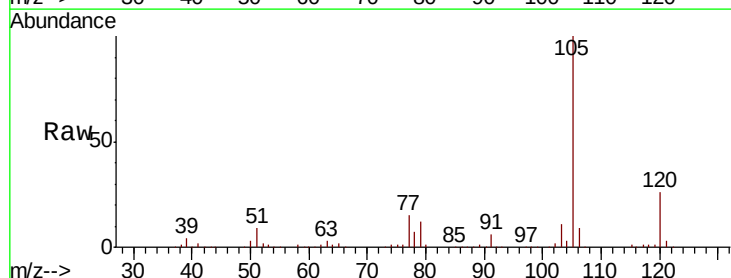
Instrument :
 MSVOA_U
 ClientSampleId :

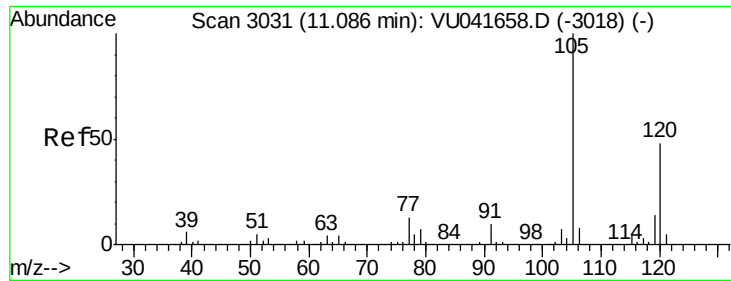
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.2	37.8
110	37.7	30.5	45.7



#61
 Isopropylbenzene
 Concen: 47.029 ug/L
 RT: 10.48 min Scan# 2843
 Delta R.T. -0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.7	31.1
77	15.3	12.6	18.8

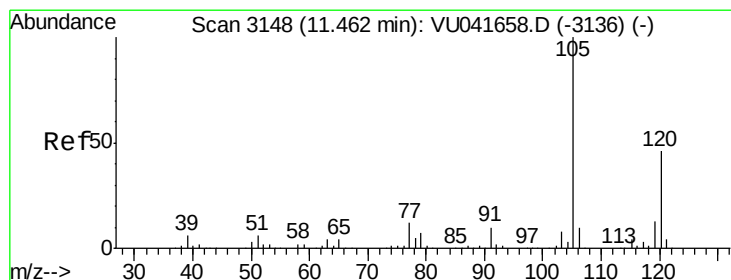
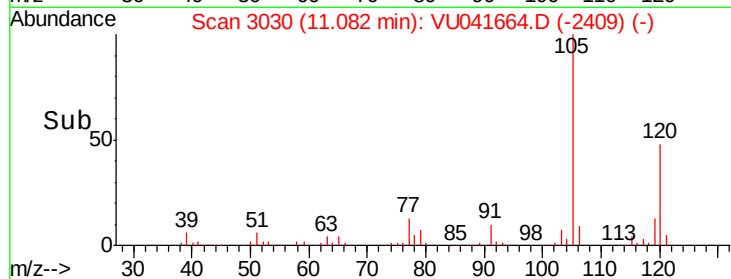
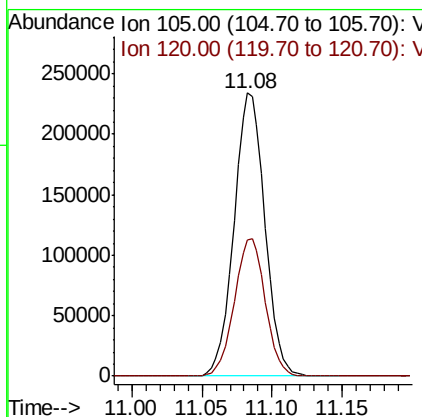
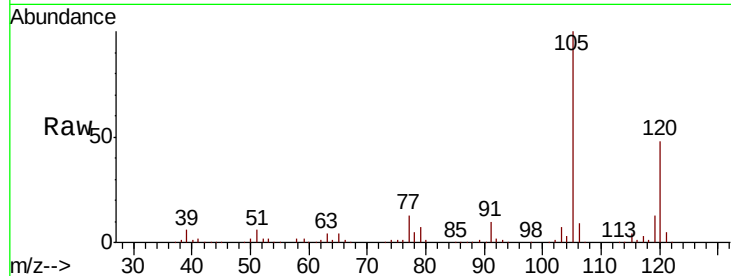




#62
 1,3,5-Trimethylbenzene
 Concen: 47.599 ug/L
 RT: 11.08 min Scan# 3030
 Delta R.T. -0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

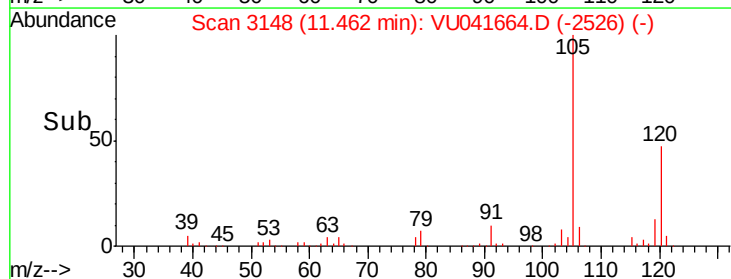
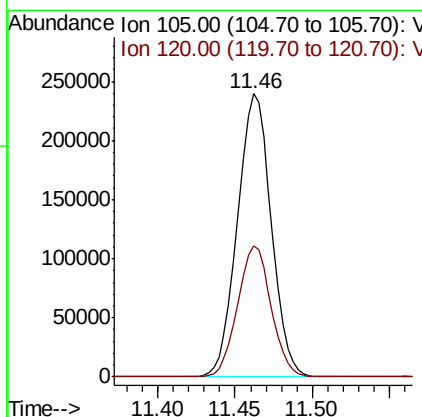
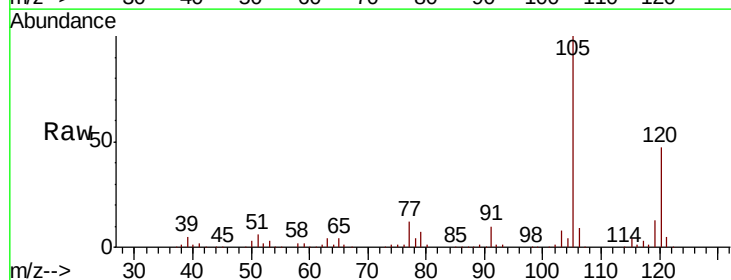
Instrument :
 MSVOA_U
 ClientSampled :

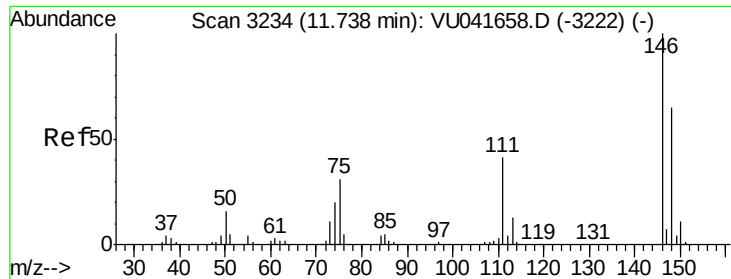
Tot Ion:105 Resp: 357786
 Ion Ratio Lower Upper
 105 100
 120 48.8 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 47.737 ug/L
 RT: 11.46 min Scan# 3148
 Delta R.T. 0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

Tgt Ion:105 Resp: 363522
 Ion Ratio Lower Upper
 105 100
 120 45.9 36.5 54.7

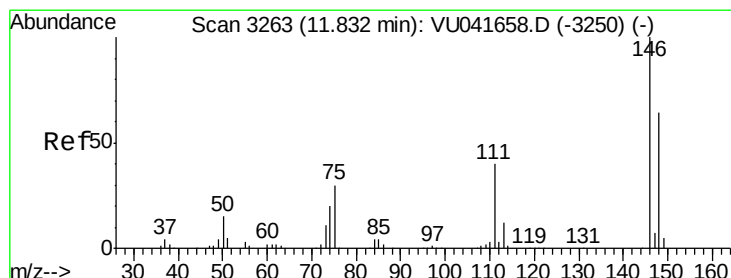
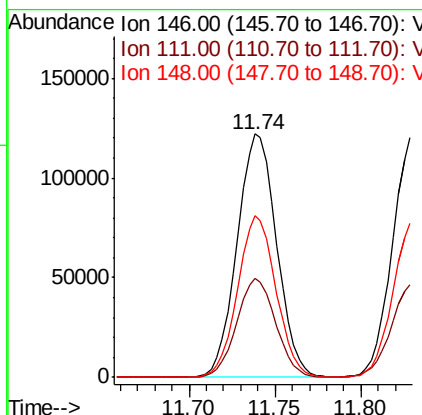
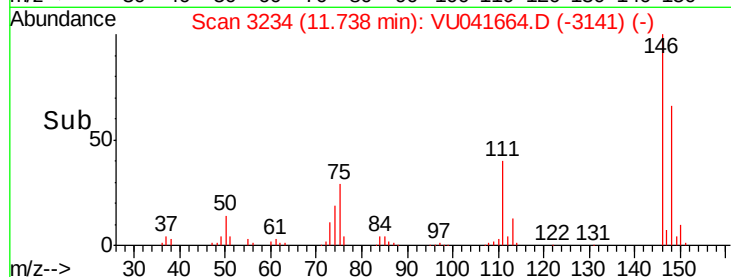
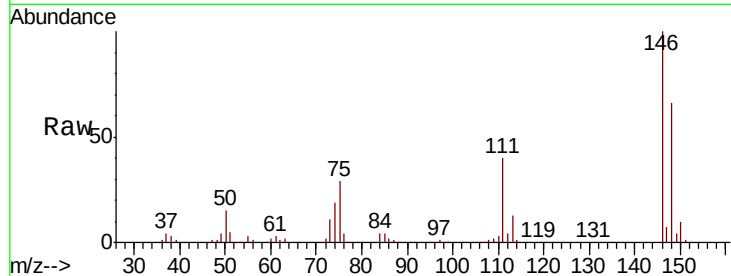




#64
 1,3-Dichlorobenzene
 Concen: 45.104 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

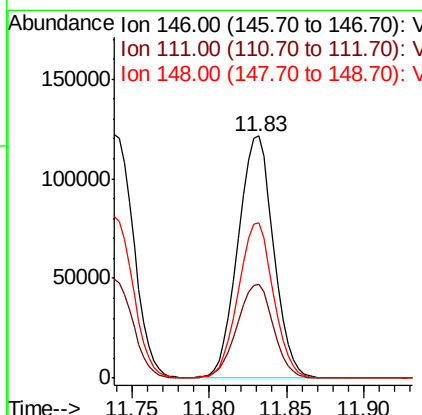
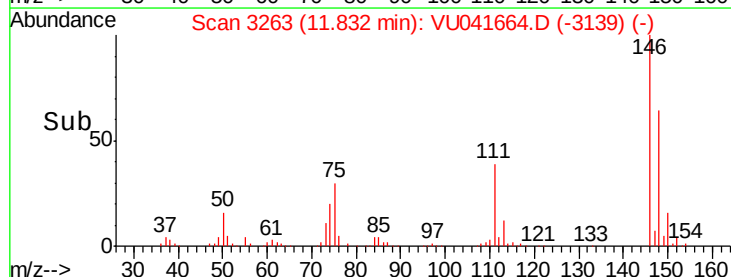
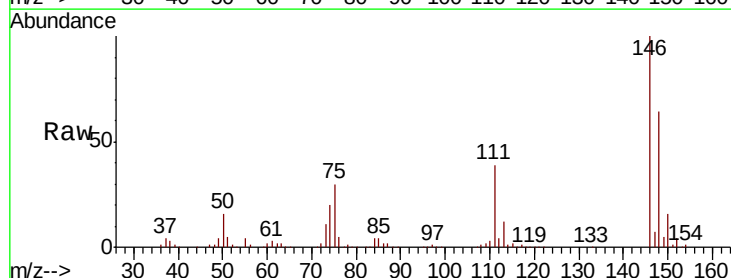
Instrument :
 MSVOA_U
 ClientSampleId :

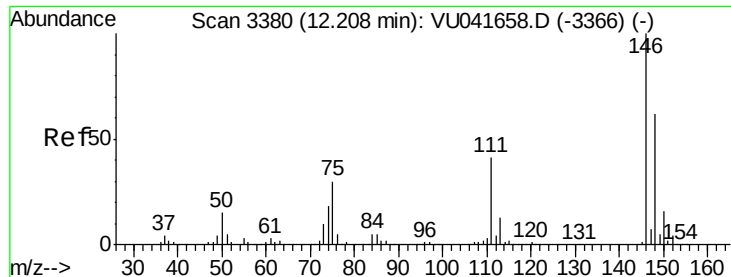
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	28.7	53.3
148	66.2	45.5	84.5



#65
 1,4-Dichlorobenzene
 Concen: 44.547 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	28.1	52.1
148	63.9	44.8	83.2

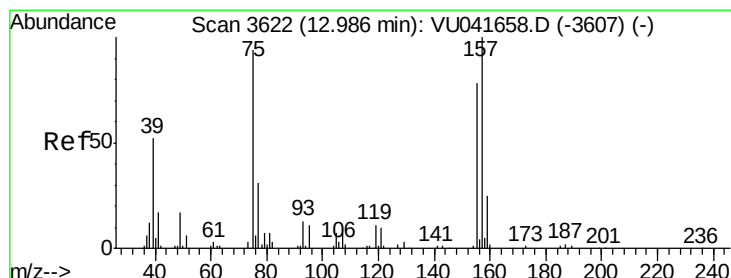
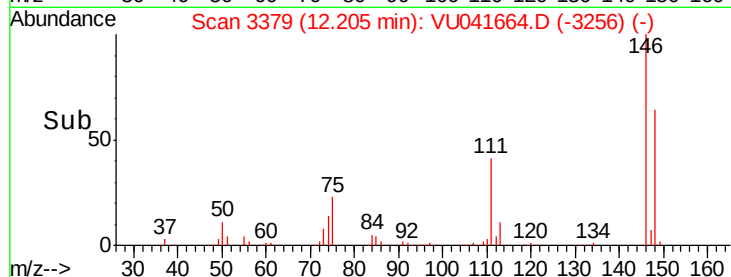
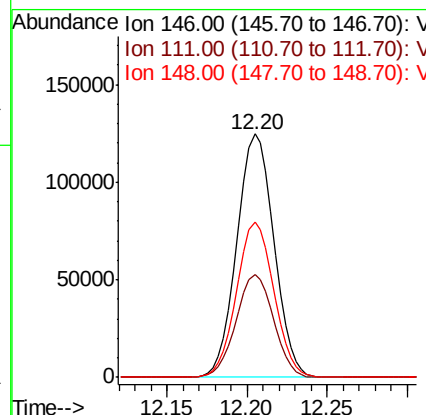
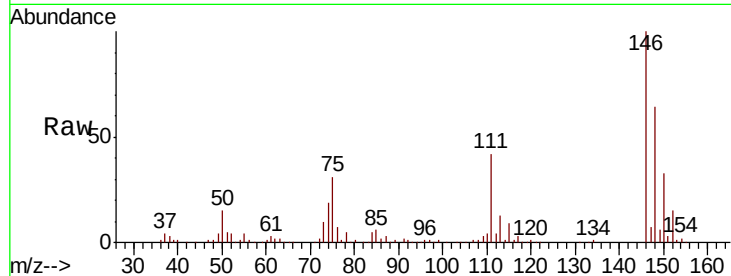




#67
 1,2-Dichlorobenzene
 Concen: 44.132 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

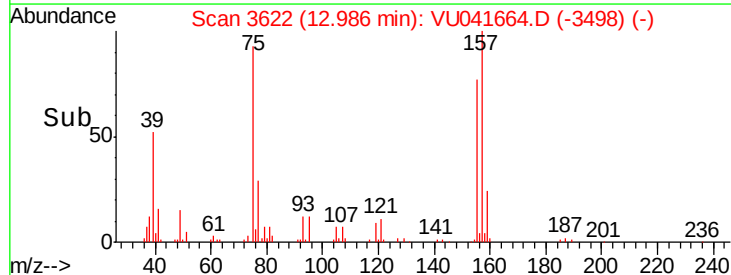
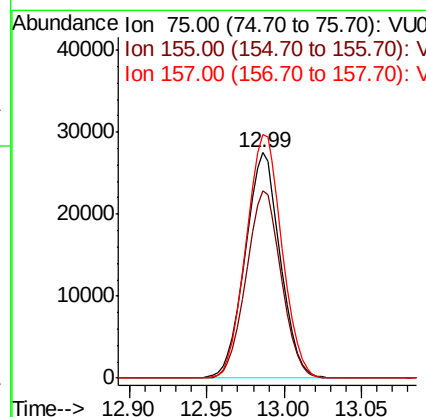
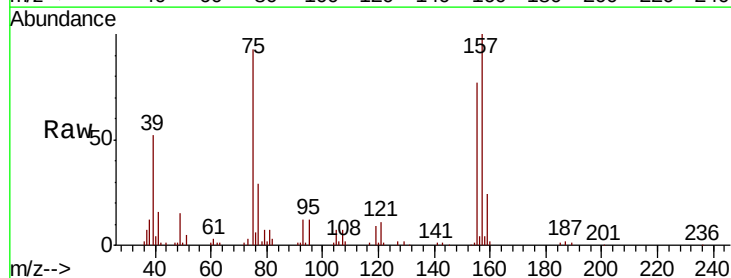
Instrument :
 MSVOA_U
 ClientSampleId :

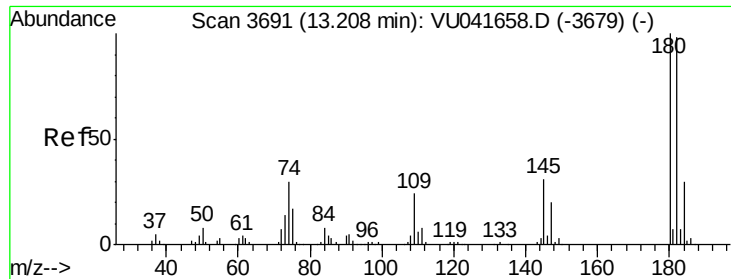
Tot Ion:146 Resp: 197088
 Ion Ratio Lower Upper
 146 100
 111 42.0 33.0 49.6
 148 63.7 50.0 75.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 46.126 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

Tgt Ion: 75 Resp: 43456
 Ion Ratio Lower Upper
 75 100
 155 83.2 66.8 100.2
 157 107.9 85.5 128.3

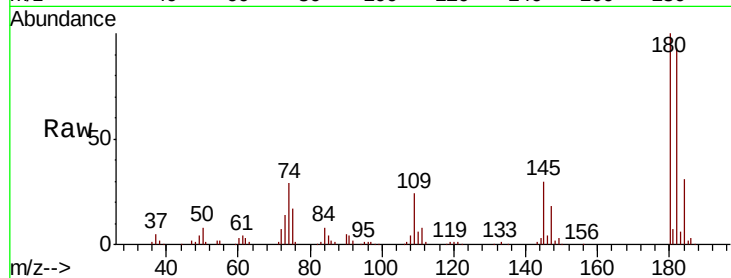




#69
 1,3,5-Trichlorobenzene
 Concen: 45.568 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.1	115.7
184	30.5	23.9	35.9
145	29.6	23.8	35.6



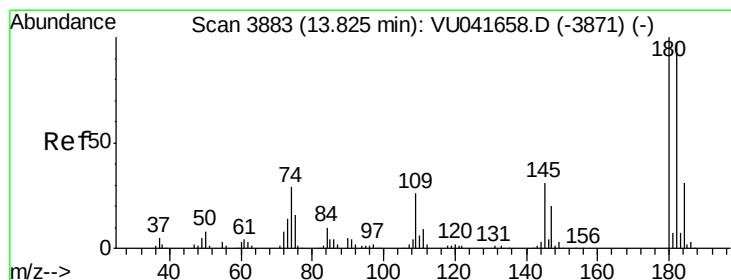
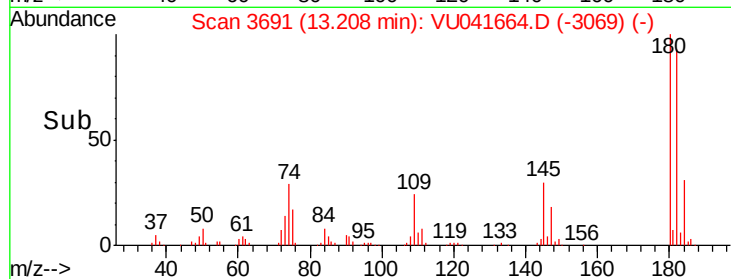
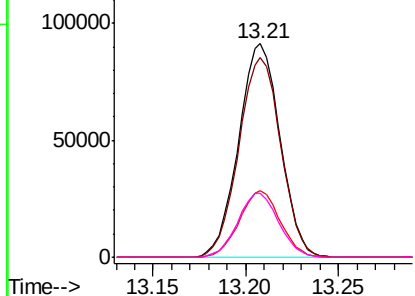
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

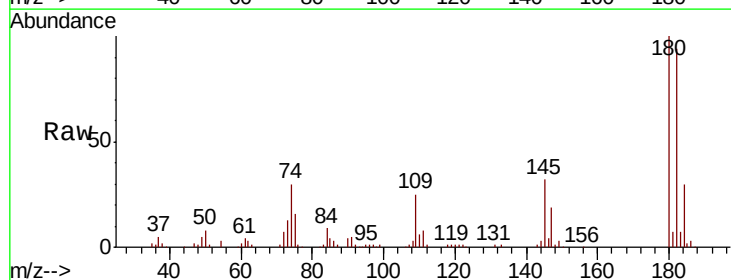
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 46.488 ug/L
 RT: 13.83 min Scan# 3883
 Delta R.T. -0.00 min
 Lab File: VU041664.D
 Acq: 16 Dec 2020 12:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.9	113.9
145	31.0	24.1	36.1

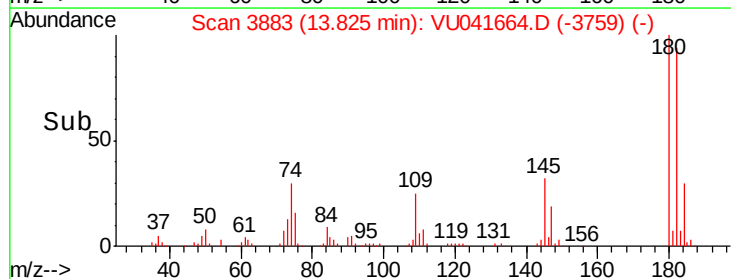
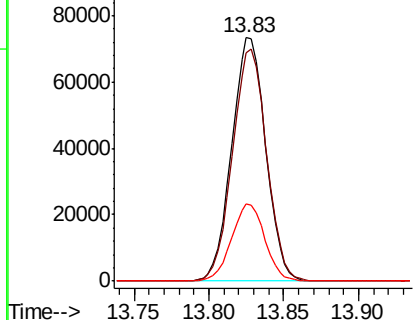


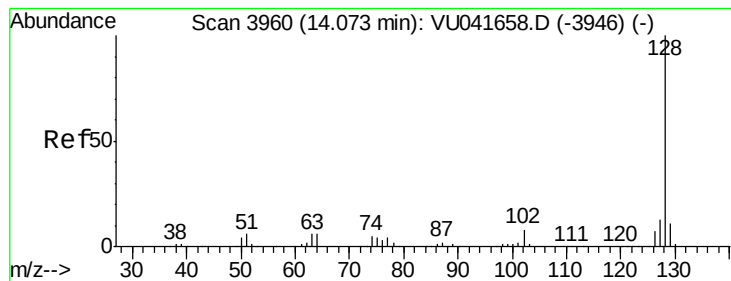
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#71

Naphthalene

Concen: 49.201 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. 0.00 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

Instrument :

MSVOA_U

ClientSampleId :

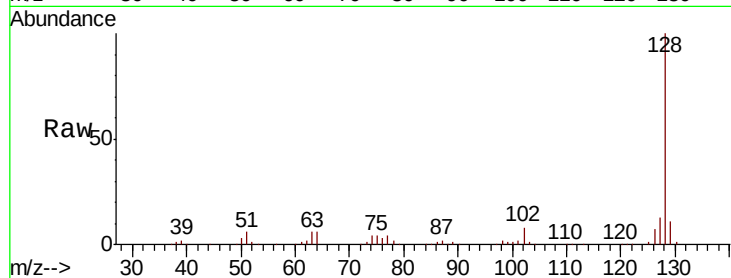
Tot Ion:128 Resp: 399460

Ion Ratio Lower Upper

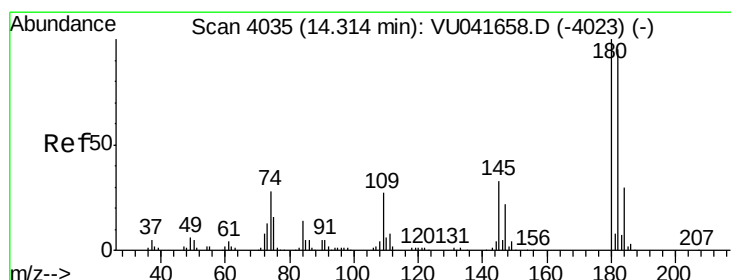
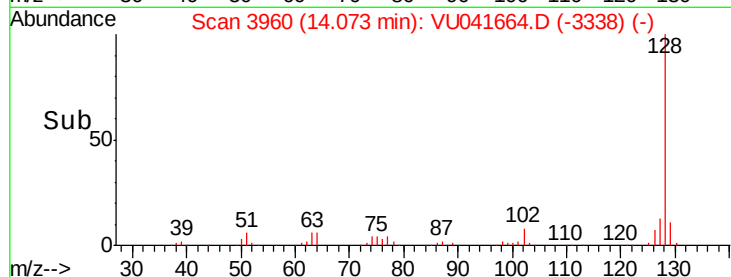
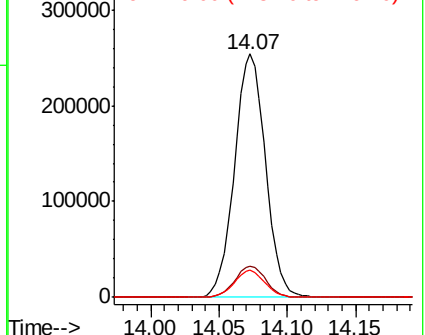
128 100

127 12.9 10.5 15.7

129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 45.319 ug/L

RT: 14.31 min Scan# 4035

Delta R.T. 0.00 min

Lab File: VU041664.D

Acq: 16 Dec 2020 12:43

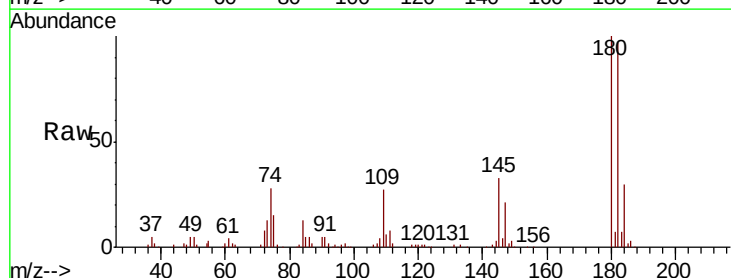
Tgt Ion:180 Resp: 114381

Ion Ratio Lower Upper

180 100

182 96.9 75.8 113.6

145 32.7 26.2 39.4



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

