

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041869.D
 Acq On : 07 Jan 2021 13:14
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 08 04:55:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 07 13:28:42 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	142968	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	140721	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	76662	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	49306	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.92	69	50943	5.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.80%
11) 1,1-Dichloroethene-d2	2.58	63	100562	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.80%
20) 2-Butanone-d5	4.65	46	159869	49.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.58%
24) Chloroform-d	5.08	84	101572	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
26) 1,2-Dichloroethane-d4	5.71	65	57598	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.74	84	188721	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.70	67	59311	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.90	98	181674	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	8.18	79	25949	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.64	63	149699	48.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.42%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	61691	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	72700	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	66259	5.471	ug/L 99
3) Chloromethane	1.52	50	63595	5.404	ug/L 98
5) Vinyl chloride	1.61	62	76777	5.909	ug/L 100
6) Bromomethane	1.86	94	47311	5.824	ug/L 98
8) Chloroethane	1.94	64	47947	5.433	ug/L 100
9) Trichlorofluoromethane	2.14	101	103052	6.266	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	58912	5.990	ug/L 97
12) 1,1-Dichloroethene	2.59	96	55897	5.764	ug/L 88
13) Acetone	2.66	43	96395	47.201	ug/L 77
14) Carbon disulfide	2.80	76	174206	5.198	ug/L 100
15) Methyl Acetate	2.96	43	24818	4.674	ug/L 94
16) Methylene chloride	3.06	84	66629	5.752	ug/L 90
17) Methyl tert-butyl Ether	3.38	73	139790	5.402	ug/L 98
18) trans-1,2-Dichloroethene	3.36	96	58273	5.809	ug/L 94
19) 1,1-Dichloroethane	3.88	63	99275	5.295	ug/L 100
21) 2-Butanone	4.73	43	139072	41.808	ug/L 92
22) cis-1,2-Dichloroethene	4.68	96	54504	4.916	ug/L 93

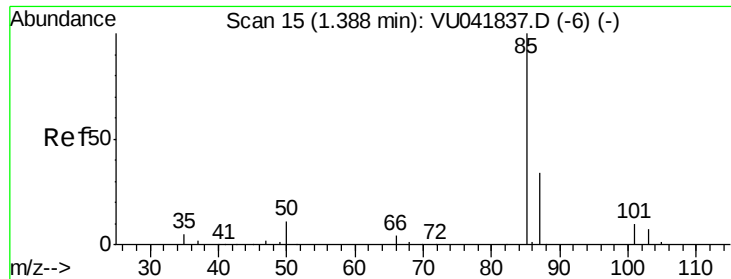
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041869.D
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 Operator : SY/MD
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 ClientSampleId :

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 07 13:28:42 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	27075	5.316	ug/L	87
25) Chloroform	5.10	83	96311	5.101	ug/L	98
27) 1,2-Dichloroethane	5.81	62	63538	4.969	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	83718	5.180	ug/L	98
30) Cyclohexane	5.40	56	72818	4.020	ug/L	89
31) Carbon tetrachloride	5.54	117	74948	5.364	ug/L	100
33) Benzene	5.78	78	210714	4.682	ug/L	100
34) Trichloroethene	6.55	95	54988	4.862	ug/L	91
35) Methylcyclohexane	6.77	83	81445	4.455	ug/L	98
37) 1,2-Dichloropropane	6.80	63	50976	4.428	ug/L #	97
38) Bromodichloromethane	7.11	83	68905	4.811	ug/L	100
39) cis-1,3-Dichloropropene	7.61	75	77073	4.519	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	333636	40.731	ug/L #	95
42) Toluene	7.97	91	230614	4.963	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	71229	4.670	ug/L	96
45) 1,1,2-Trichloroethane	8.40	97	44683	5.249	ug/L	94
47) Tetrachloroethene	8.56	164	45933	5.802	ug/L	93
48) 2-Hexanone	8.69	43	250679	42.051	ug/L #	95
49) Dibromochloromethane	8.81	129	52629	5.382	ug/L	97
50) 1,2-Dibromoethane	8.92	107	42816	5.084	ug/L	100
51) Chlorobenzene	9.45	112	147680	5.113	ug/L	95
52) Ethylbenzene	9.57	91	235459	4.759	ug/L	99
53) m,p-Xylene	9.69	106	93203	5.051	ug/L	98
54) o-Xylene	10.10	106	89146	4.932	ug/L	100
55) Styrene	10.11	104	157616	5.048	ug/L	98
56) Isopropylbenzene	10.48	105	238171	4.951	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	56079	4.734	ug/L	96
59) 1,2,3-Trichloropropane	10.82	75	40529	4.688	ug/L	100
61) Bromoform	10.29	173	31966	5.516	ug/L	94
62) 1,3-Dichlorobenzene	11.74	146	121491	5.182	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	121702	5.163	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	116243	5.063	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	9247	4.295	ug/L #	78
67) 1,3,5-Trichlorobenzene	13.21	180	88088	4.949	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	66943	4.482	ug/L	99
69) Naphthalene	14.08	128	107087	3.464	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	66531	4.674	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.471 ug/L

RT: 1.39 min Scan# 14

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

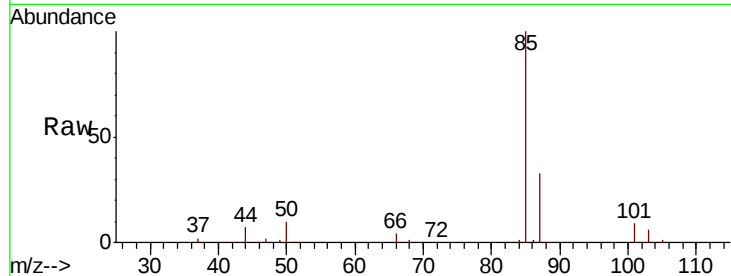
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 66259

Ion Ratio Lower Upper

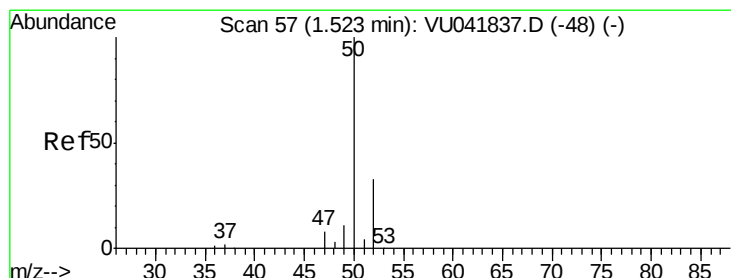
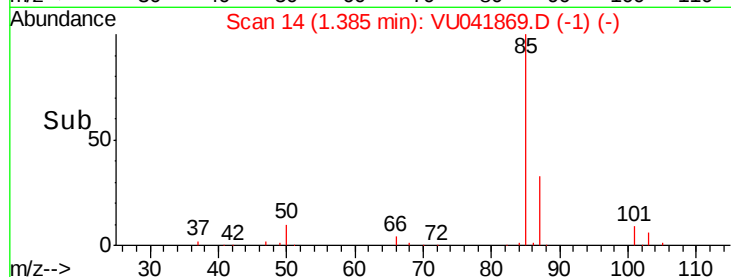
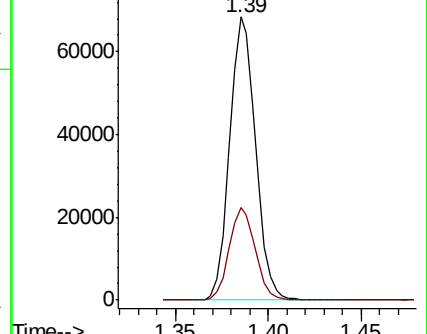
85 100

87 32.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.404 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041869.D

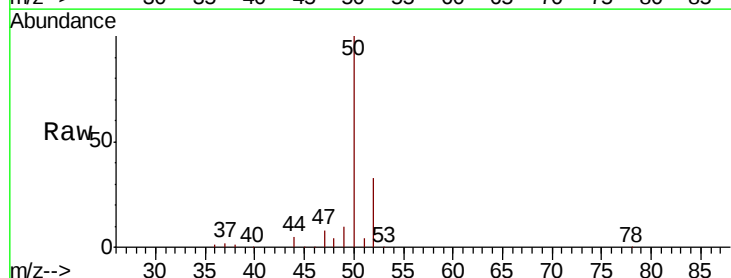
Acq: 07 Jan 2021 13:14

Tgt Ion: 50 Resp: 63595

Ion Ratio Lower Upper

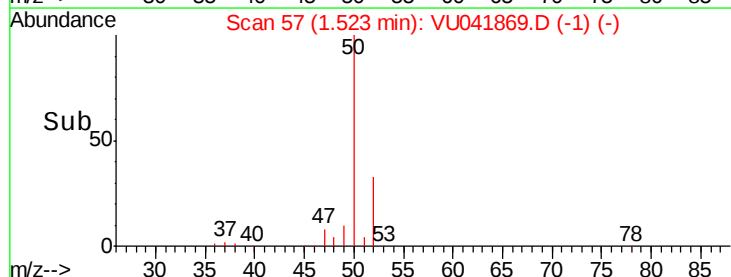
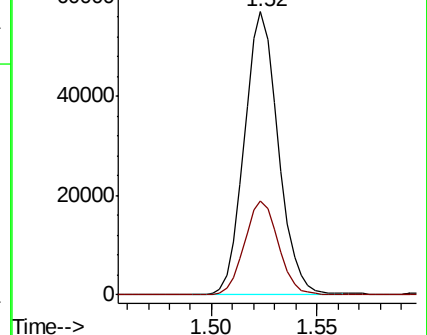
50 100

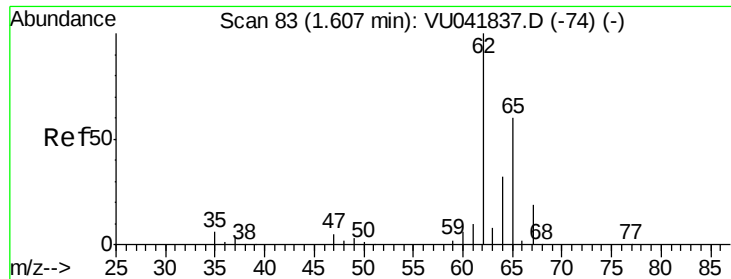
52 33.3 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.909 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

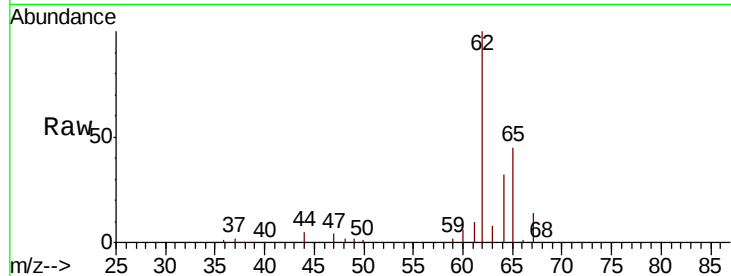
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 76777

Ion Ratio Lower Upper

62 100

64 32.0 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU041869.D (-74) (-)

Ion 64.10 (63.80 to 64.80): VU041869.D (-74) (-)

1.61

80000

60000

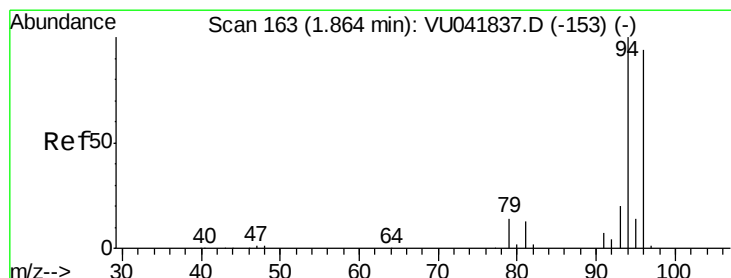
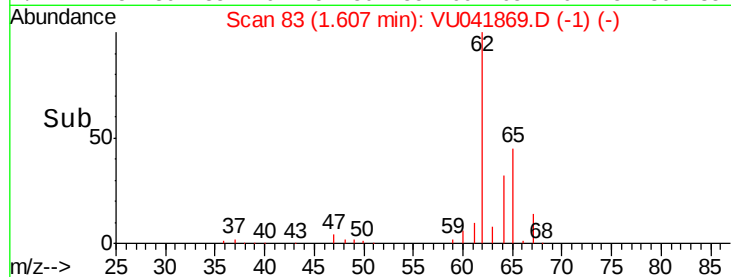
40000

20000

0

1.55 1.60 1.65

Time-->



#6

Bromomethane

Concen: 5.824 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041869.D

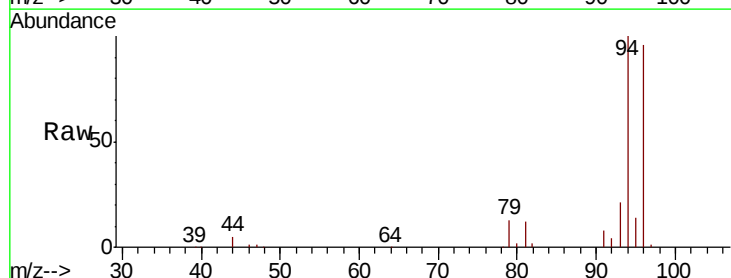
Acq: 07 Jan 2021 13:14

Tgt Ion: 94 Resp: 47311

Ion Ratio Lower Upper

94 100

96 96.2 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU041869.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU041869.D (-153) (-)

1.86

40000

30000

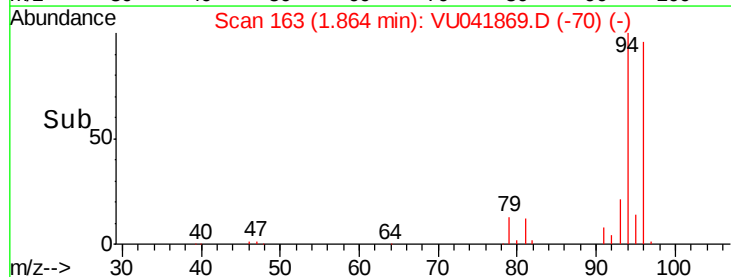
20000

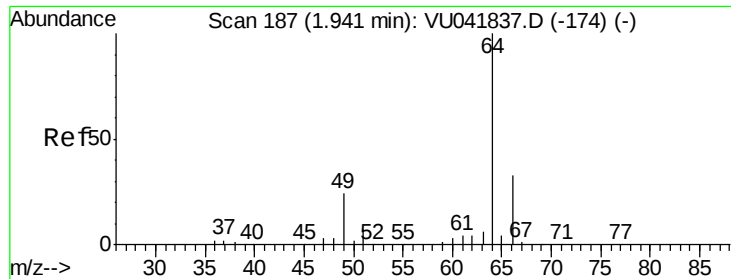
10000

0

1.80 1.85 1.90

Time-->

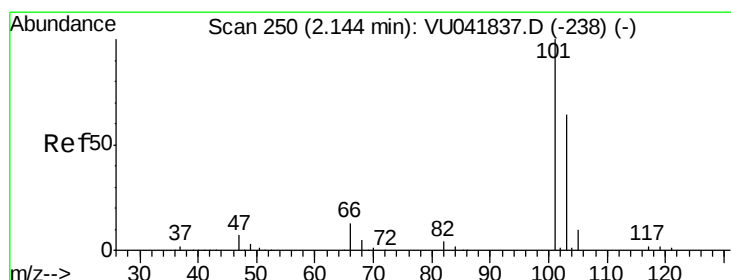
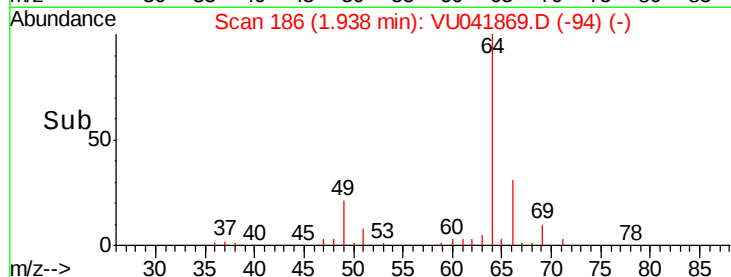
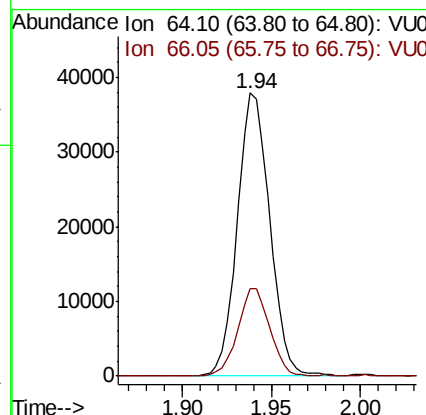
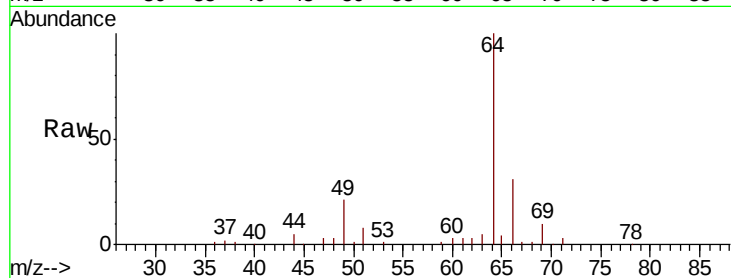




#8
Chloroethane
Concen: 5.433 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU041869.D
Acq: 07 Jan 2021 13:14

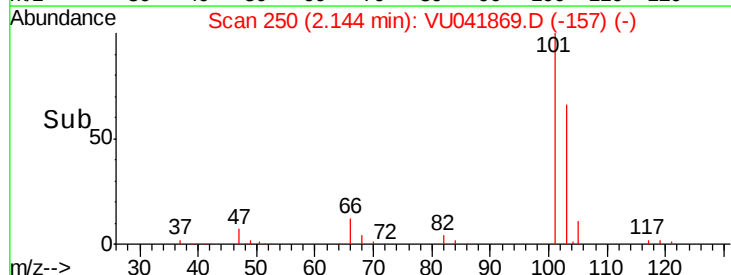
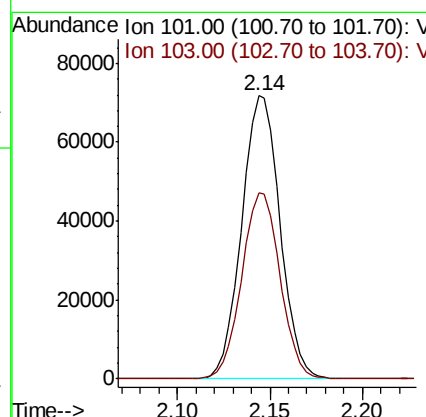
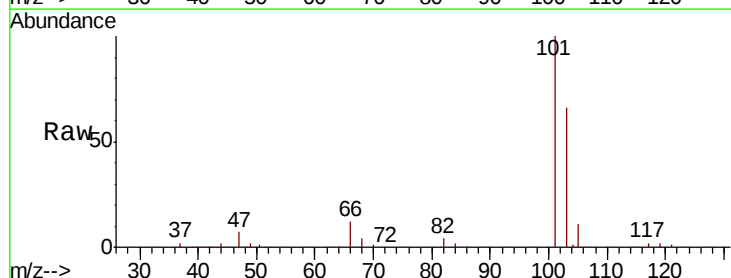
Instrument :
MSVOA_U
ClientSampleId :

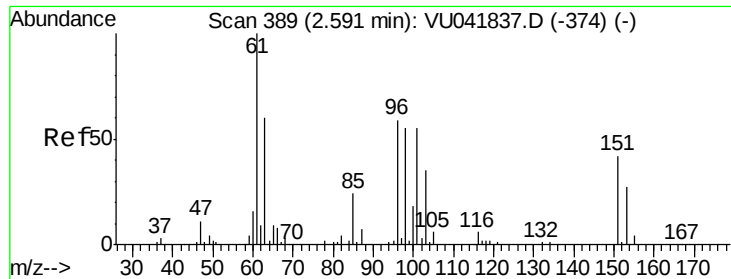
Tot Ion: 64 Resp: 47947
Ion Ratio Lower Upper
64 100
66 31.0 21.6 40.0



#9
Trichlorofluoromethane
Concen: 6.266 ug/L
RT: 2.14 min Scan# 250
Delta R.T. -0.00 min
Lab File: VU041869.D
Acq: 07 Jan 2021 13:14

Tgt Ion:101 Resp: 103052
Ion Ratio Lower Upper
101 100
103 65.9 51.1 76.7





#10

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

Concen: 5.990 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

Instrument :

MSVOA_U

ClientSampleId :

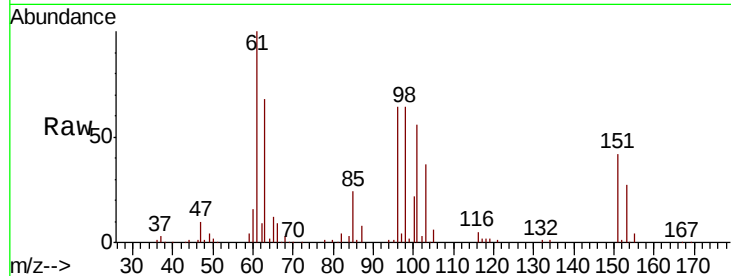
Tot Ion:101 Resp: 58912

Ion Ratio Lower Upper

101 100

85 41.8 33.6 50.4

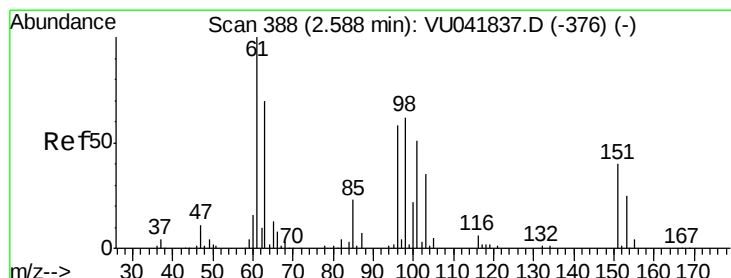
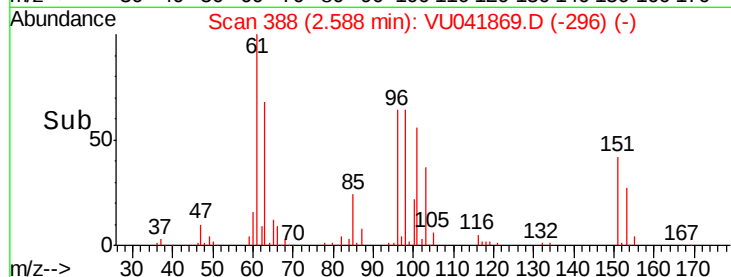
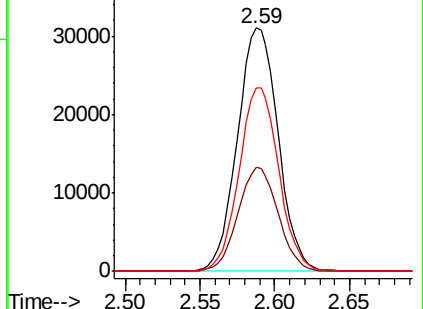
151 73.6 56.2 84.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.764 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

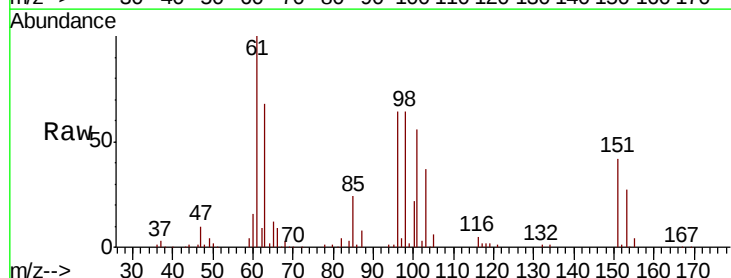
Tgt Ion: 96 Resp: 55897

Ion Ratio Lower Upper

96 100

61 157.1 123.8 230.0

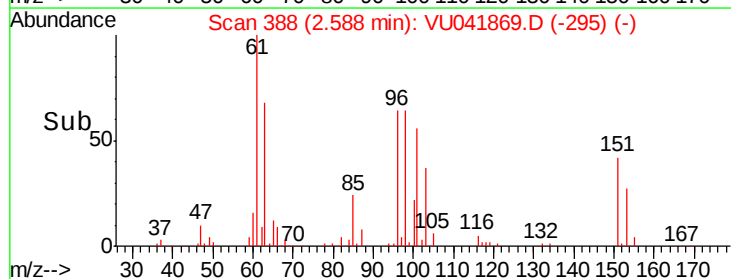
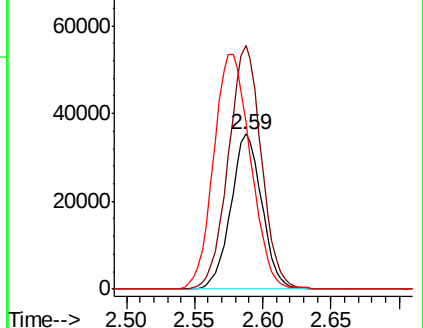
63 107.4 81.0 150.4

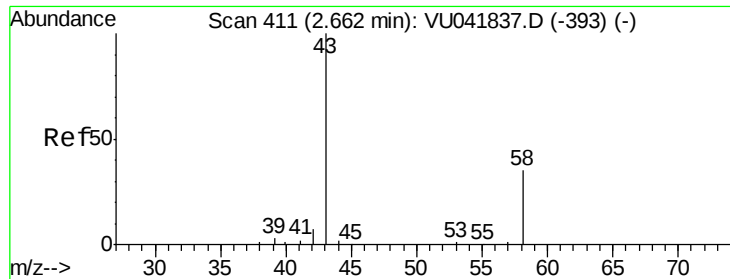


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.201 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

Instrument :

MSVOA_U

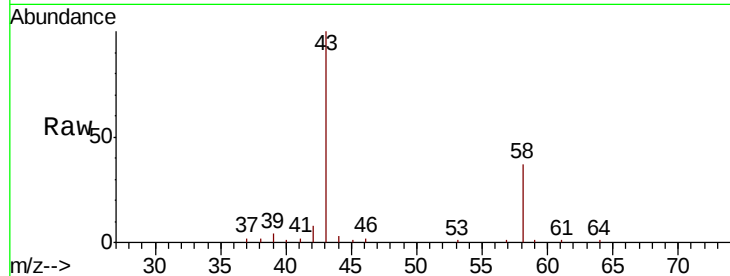
ClientSampleId :

Tot Ion: 43 Resp: 96395

Ion Ratio Lower Upper

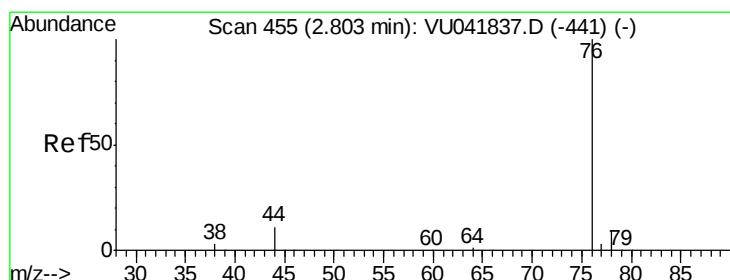
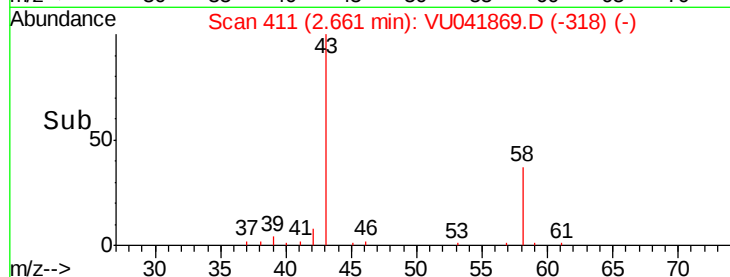
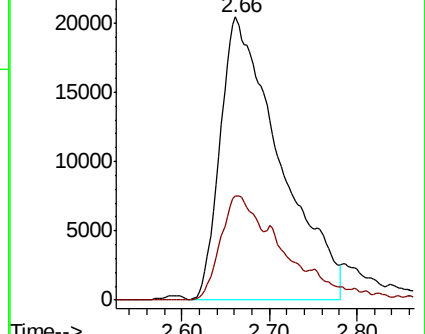
43 100

58 22.8 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041837.D (-393) (-)

Ion 58.05 (57.75 to 58.75): VU041837.D (-393) (-)



#14

Carbon disulfide

Concen: 5.198 ug/L

RT: 2.80 min Scan# 455

Delta R.T. 0.00 min

Lab File: VU041869.D

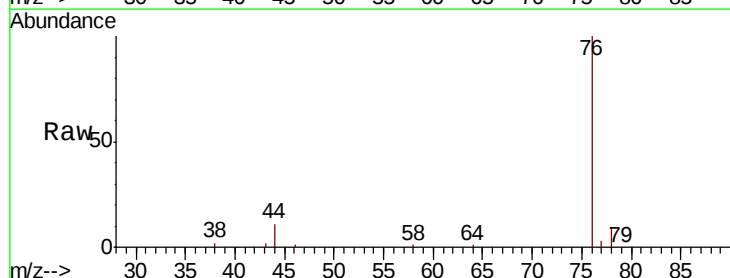
Acq: 07 Jan 2021 13:14

Tgt Ion: 76 Resp: 174206

Ion Ratio Lower Upper

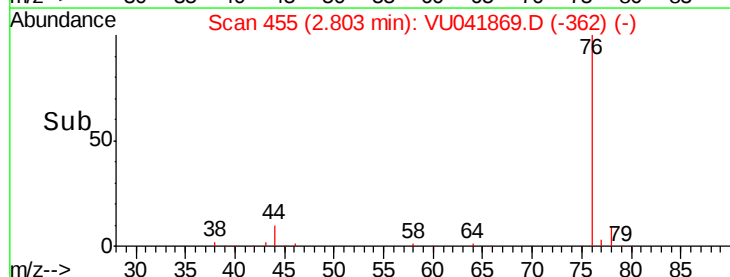
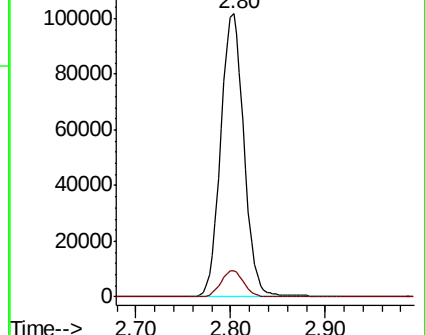
76 100

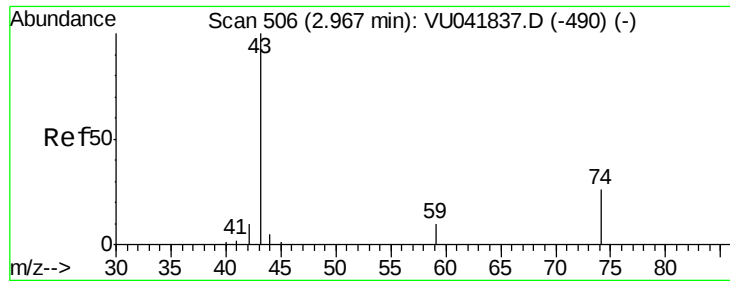
78 9.3 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU041837.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU041837.D (-441) (-)





#15

Methvl Acetate

Concen: 4.674 ug/L

RT: 2.96 min Scan# 505

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

Instrument :

MSVOA_U

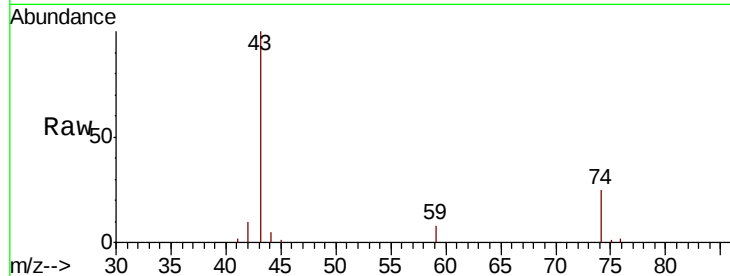
ClientSampled :

Tot Ion: 43 Resp: 24818

Ion Ratio Lower Upper

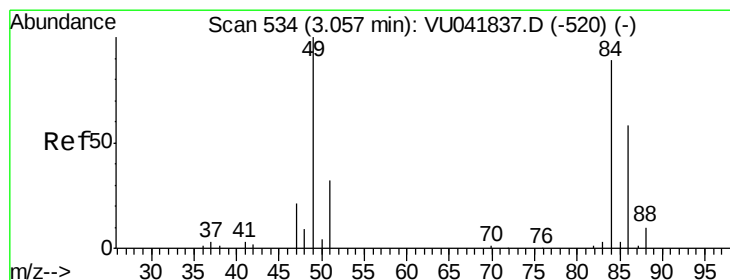
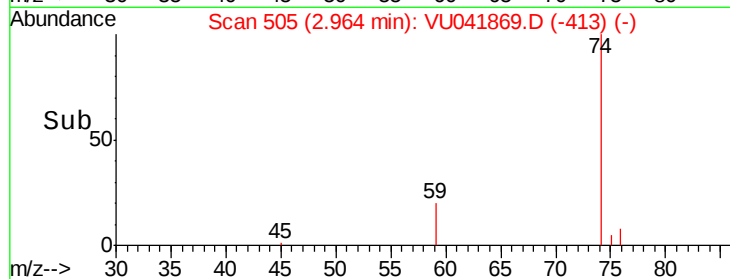
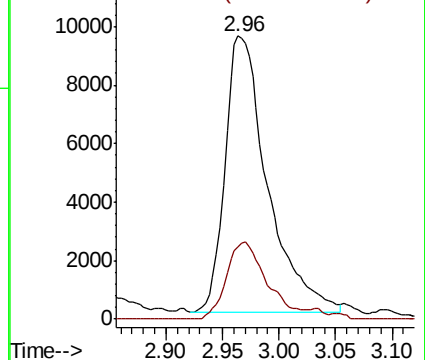
43 100

74 26.8 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 5.752 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

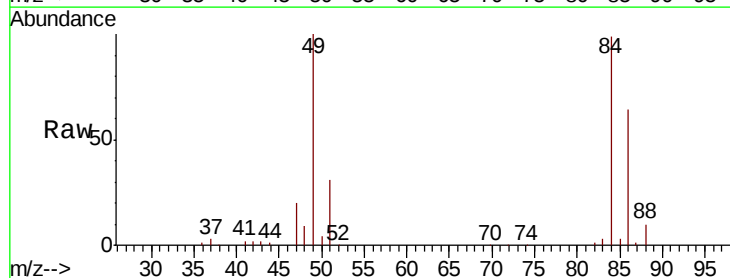
Tgt Ion: 84 Resp: 66629

Ion Ratio Lower Upper

84 100

86 65.3 45.1 83.7

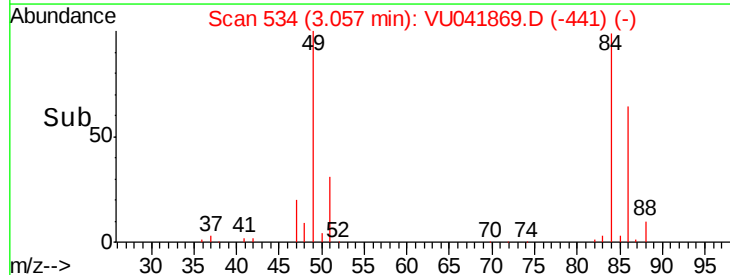
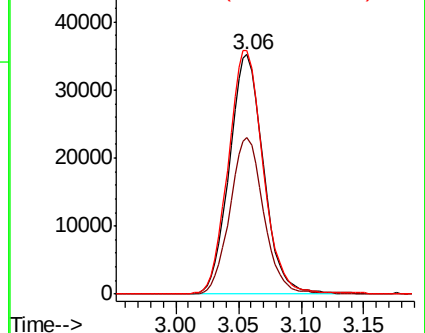
49 101.5 83.1 154.3

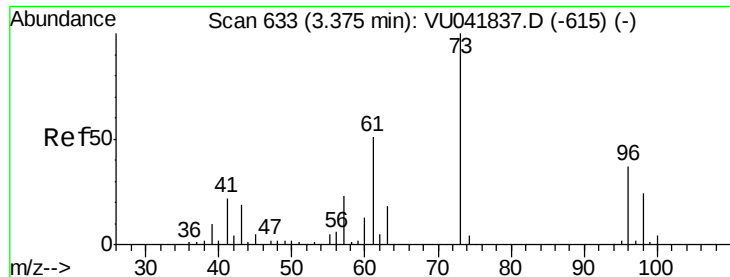


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

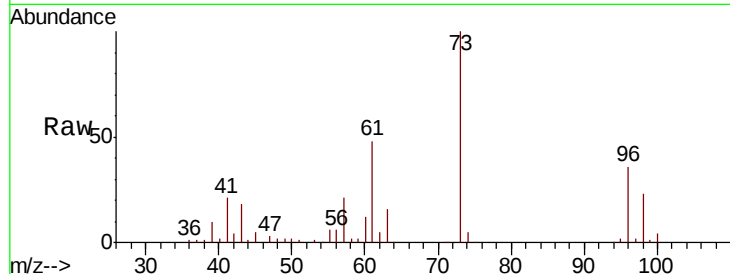




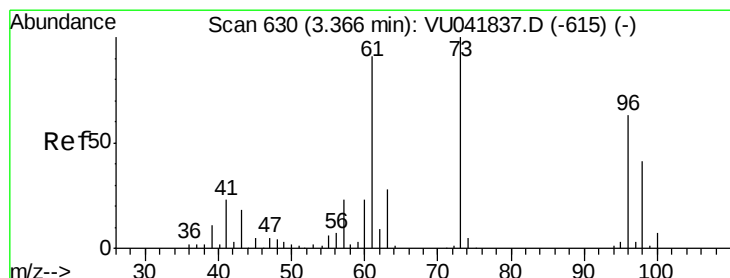
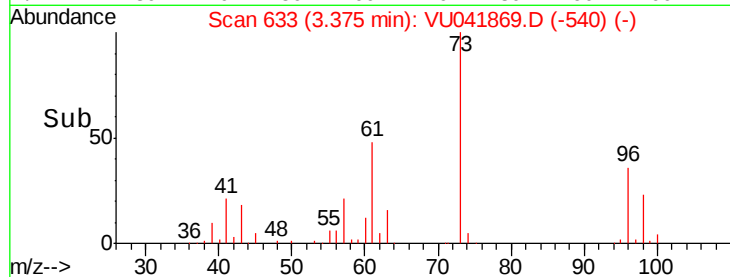
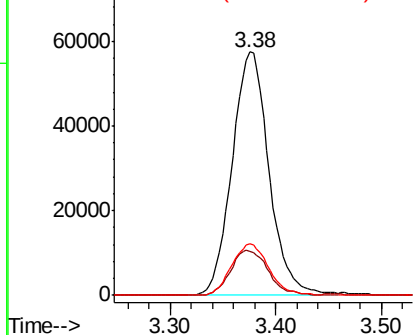
#17
Methvl tert-butvl Ether
Concen: 5.402 ug/L
RT: 3.38 min Scan# 633
Delta R.T. -0.00 min
Lab File: VU041869.D
Acq: 07 Jan 2021 13:14

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 139790
Ion Ratio Lower Upper
73 100
43 18.9 14.7 22.1
57 21.4 18.2 27.4

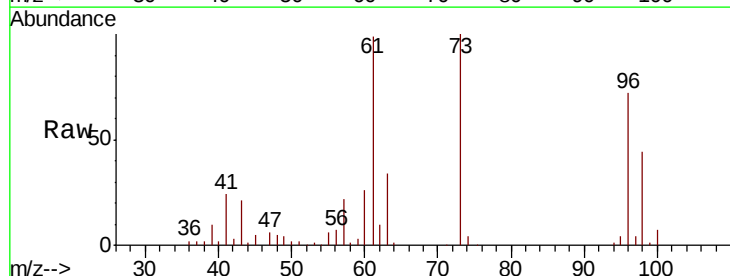


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

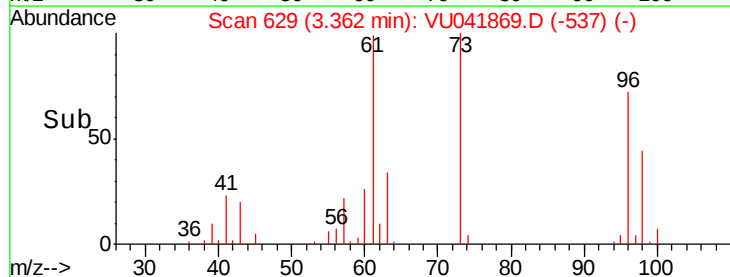
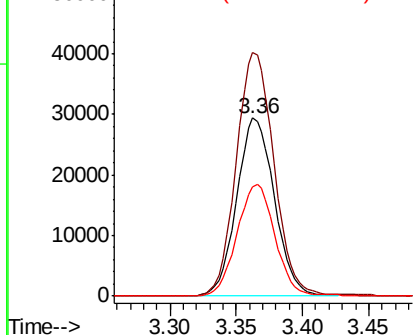


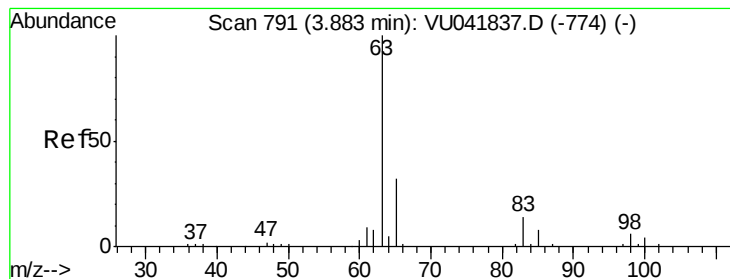
#18
trans-1,2-Dichloroethene
Concen: 5.809 ug/L
RT: 3.36 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU041869.D
Acq: 07 Jan 2021 13:14

Tgt Ion: 96 Resp: 58273
Ion Ratio Lower Upper
96 100
61 136.8 101.8 189.0
98 61.2 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 5.295 ug/L

RT: 3.88 min Scan# 790

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

Instrument :
MSVOA_U
ClientSampleId :

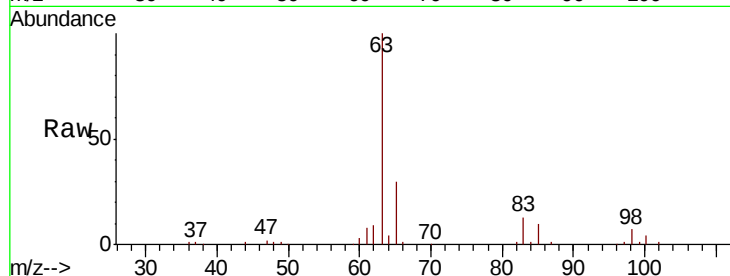
Tot Ion: 63 Resp: 99275

Ion Ratio Lower Upper

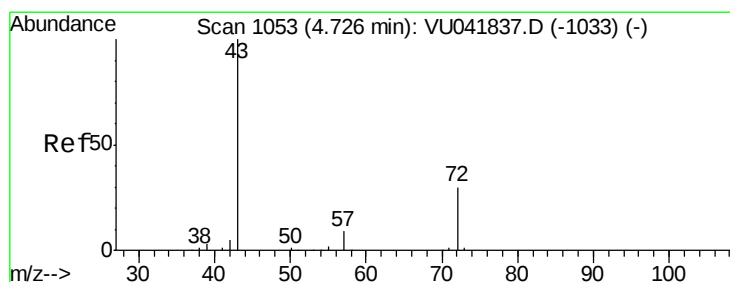
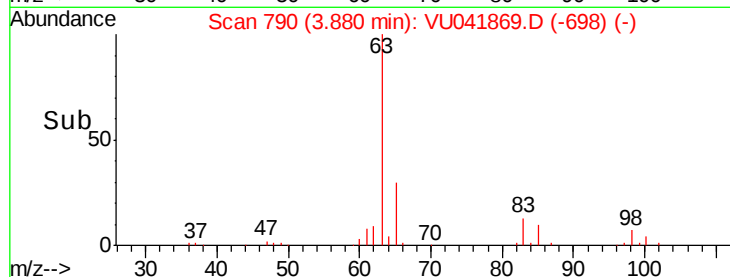
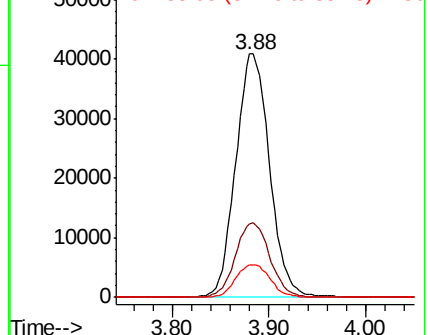
63 100

65 30.3 21.3 39.6

83 13.5 9.3 17.3



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



#21

2-Butanone

Concen: 41.808 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VU041869.D

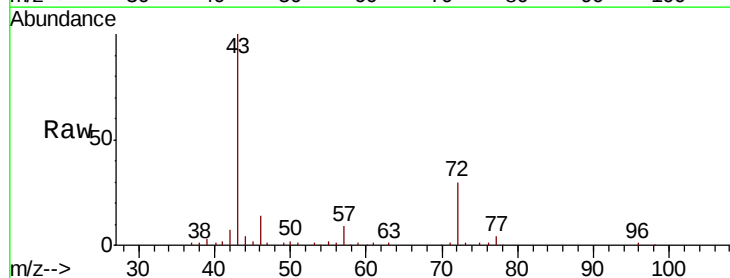
Acq: 07 Jan 2021 13:14

Tgt Ion: 43 Resp: 139072

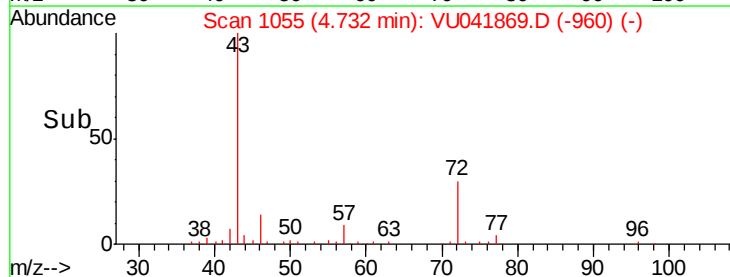
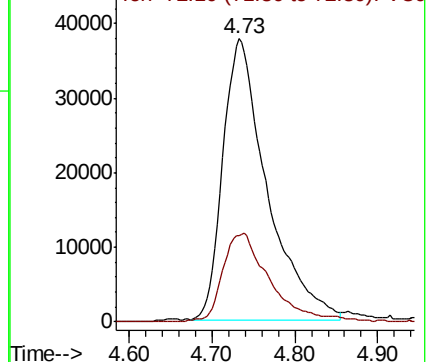
Ion Ratio Lower Upper

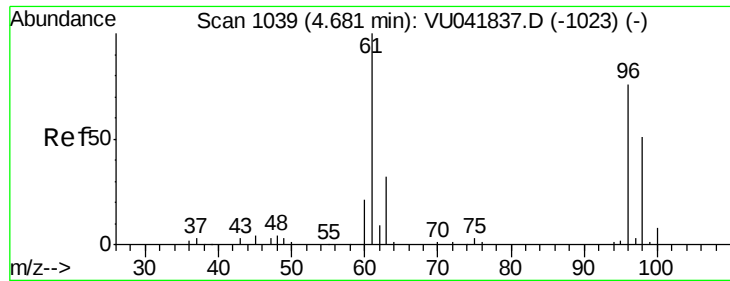
43 100

72 33.4 14.6 44.0



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0



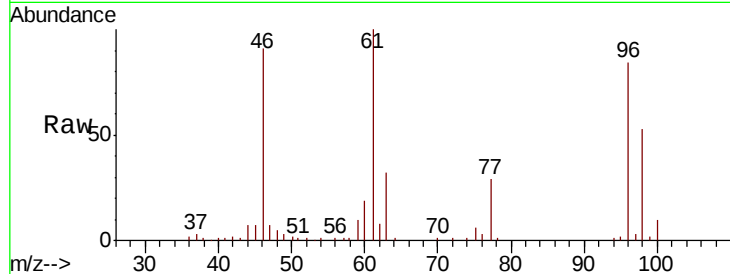


#22

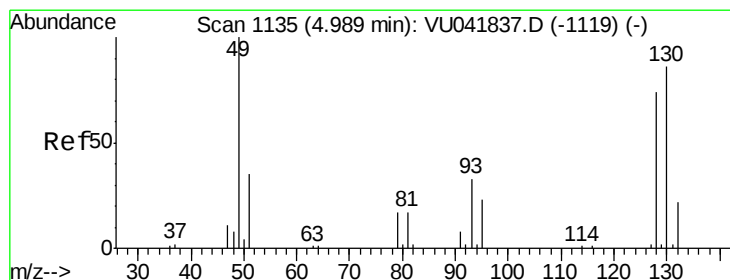
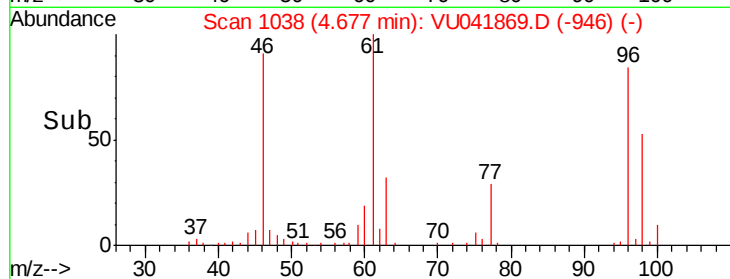
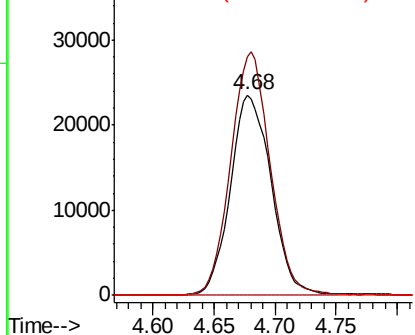
cis-1,2-Dichloroethene
 Concen: 4.916 ug/L
 RT: 4.68 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VU041869.D
 Acq: 07 Jan 2021 13:14

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 54504
 Ion Ratio Lower Upper
 96 100
 61 118.9 88.8 165.0
 68 0.0 0.0 0.0



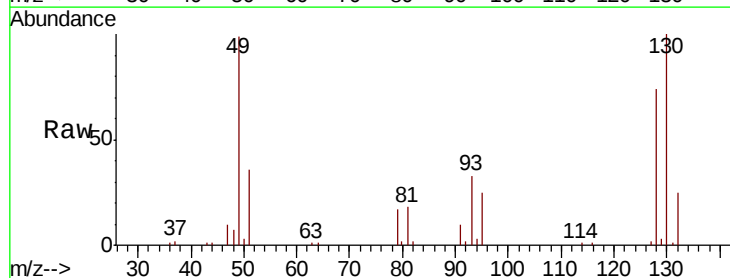
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



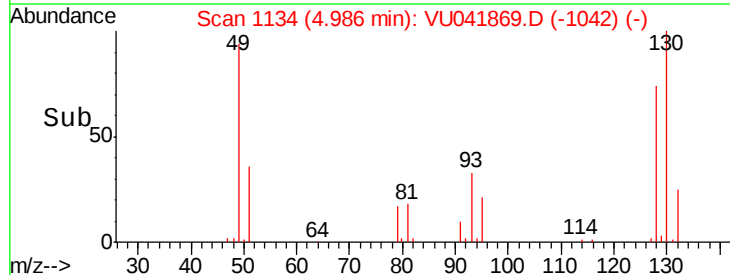
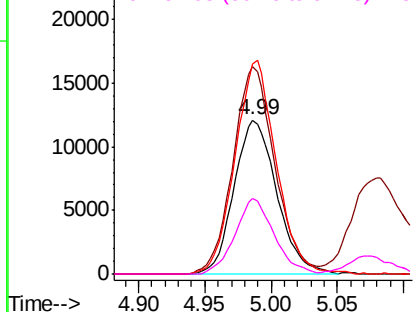
#23

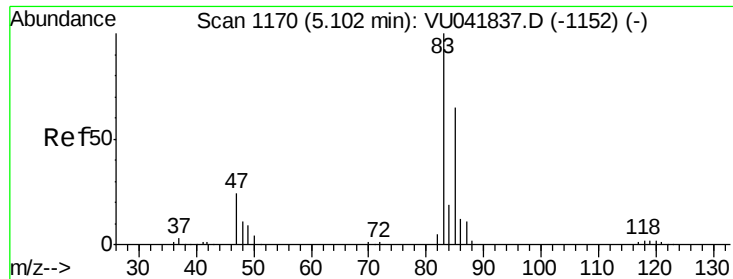
Bromochloromethane
 Concen: 5.316 ug/L
 RT: 4.99 min Scan# 1134
 Delta R.T. -0.00 min
 Lab File: VU041869.D
 Acq: 07 Jan 2021 13:14

Tgt Ion:128 Resp: 27075
 Ion Ratio Lower Upper
 128 100
 49 134.4 109.3 203.1
 130 136.0 84.8 157.6
 51 49.0 40.6 61.0



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

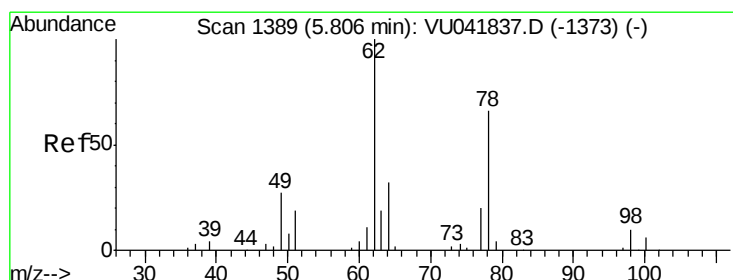
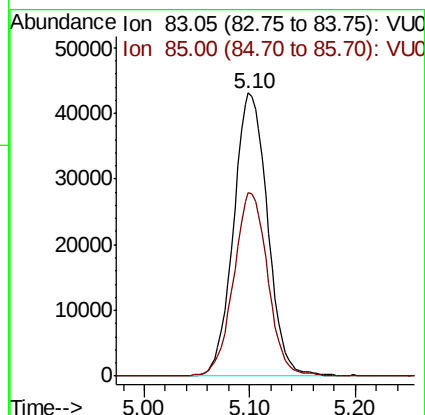
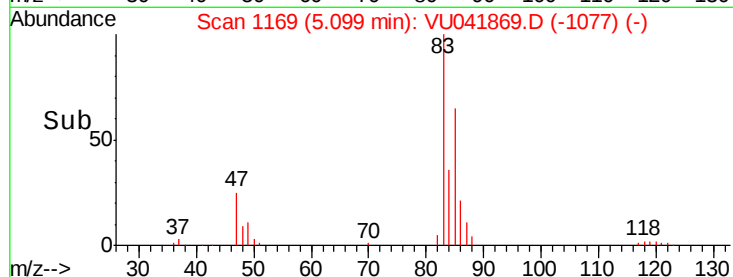
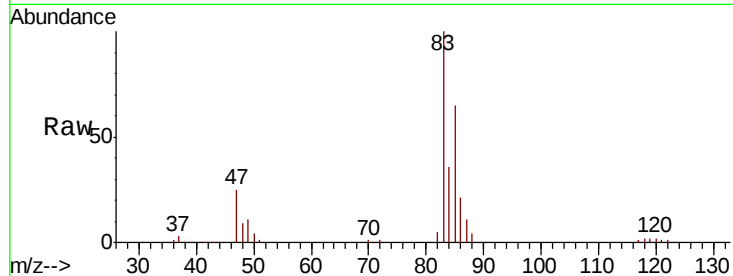




#25
Chloroform
Concen: 5.101 ug/L
RT: 5.10 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VU041869.D
Acq: 07 Jan 2021 13:14

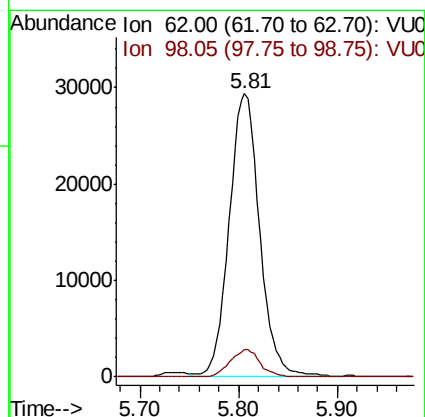
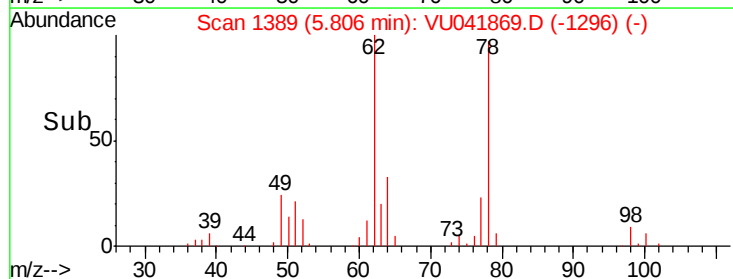
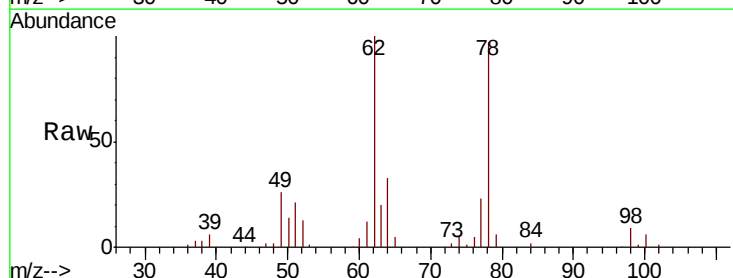
Instrument :
MSVOA_U
ClientSampled :

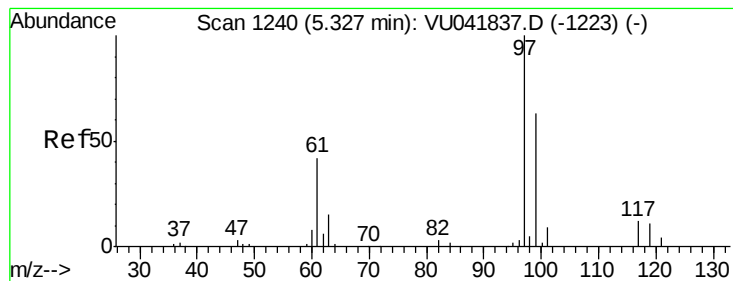
Tot Ion: 83 Resp: 96311
Ion Ratio Lower Upper
83 100
85 64.9 44.2 82.0



#27
1,2-Dichloroethane
Concen: 4.969 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041869.D
Acq: 07 Jan 2021 13:14

Tgt Ion: 62 Resp: 63538
Ion Ratio Lower Upper
62 100
98 9.5 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 5.180 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

Instrument :

MSVOA_U

ClientSampled :

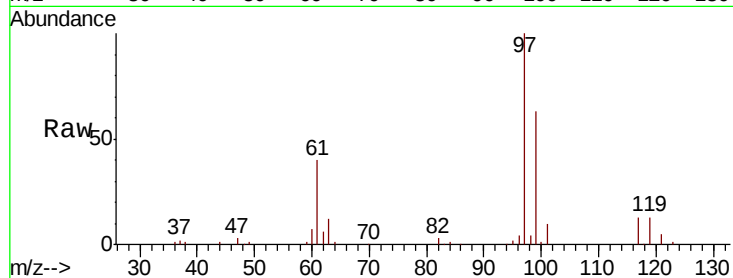
Tot Ion: 97 Resp: 83718

Ion Ratio Lower Upper

97 100

99 64.5 51.3 76.9

61 42.7 36.5 54.7

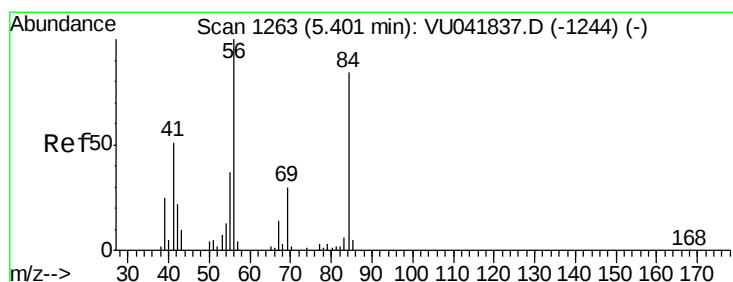
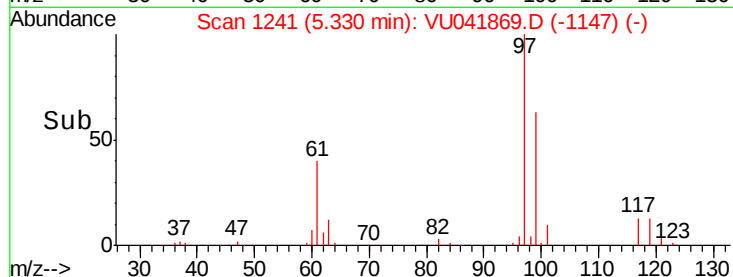
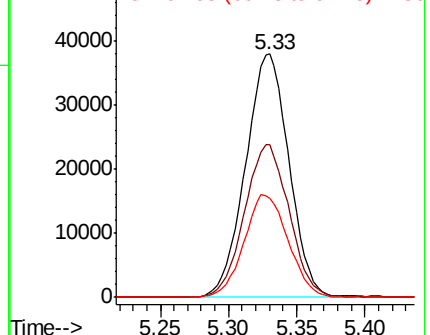


Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 4.020 ug/L

RT: 5.40 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

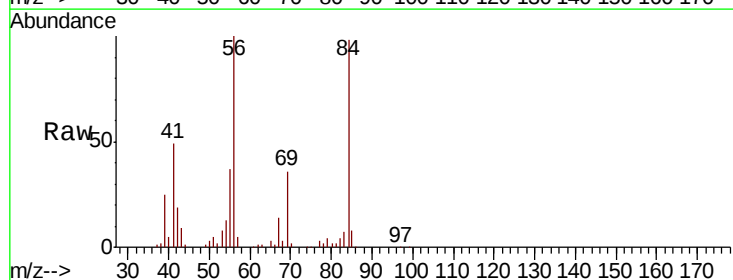
Tgt Ion: 56 Resp: 72818

Ion Ratio Lower Upper

56 100

69 32.1 23.8 35.8

84 95.3 66.2 99.4

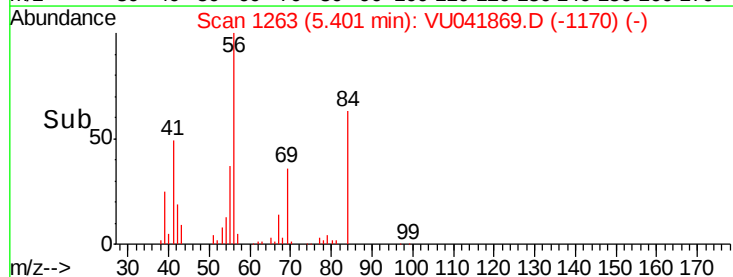
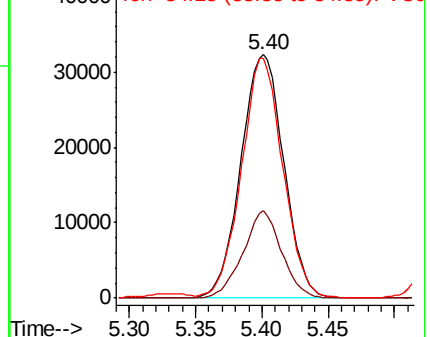


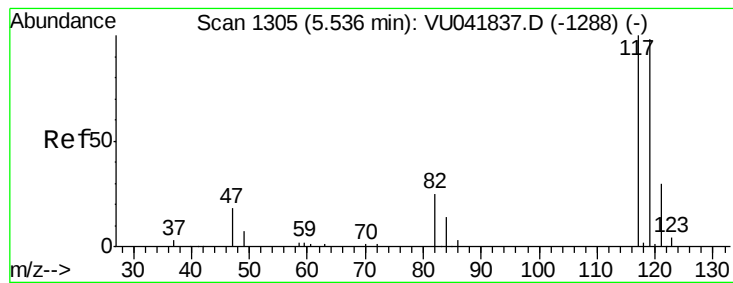
Abundance

Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.364 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

Instrument :

MSVOA_U

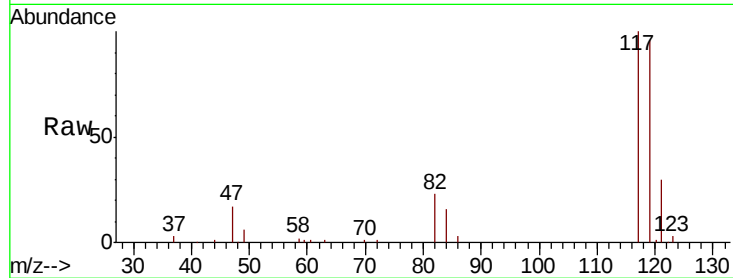
ClientSampleId :

Tot Ion:117 Resp: 74948

Ion Ratio Lower Upper

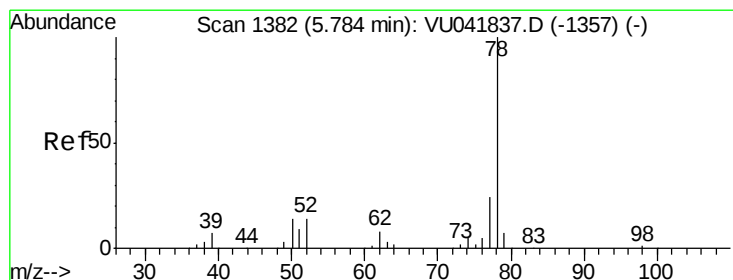
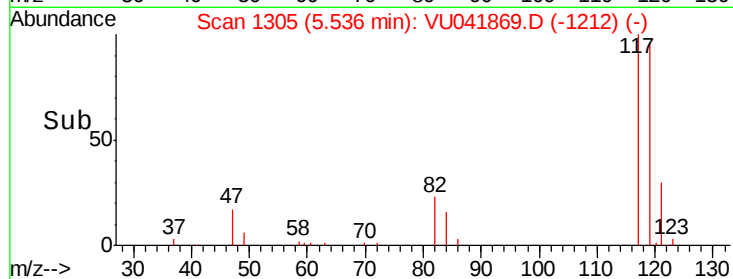
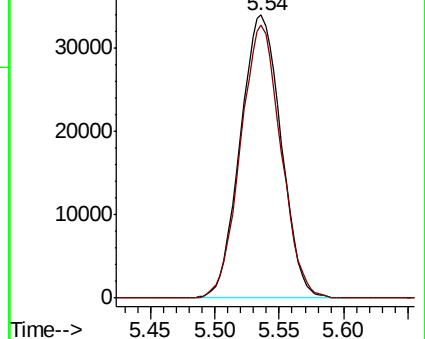
117 100

119 95.4 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.682 ug/L

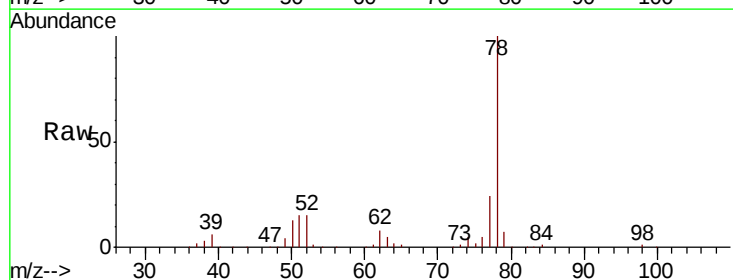
RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

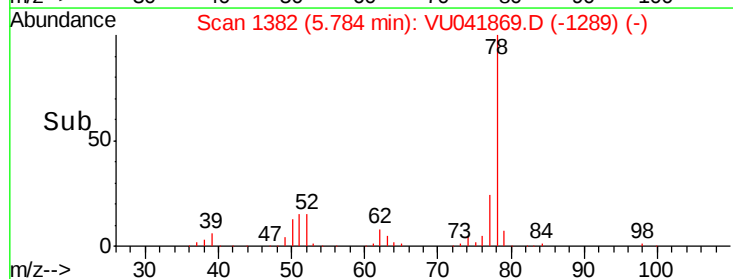
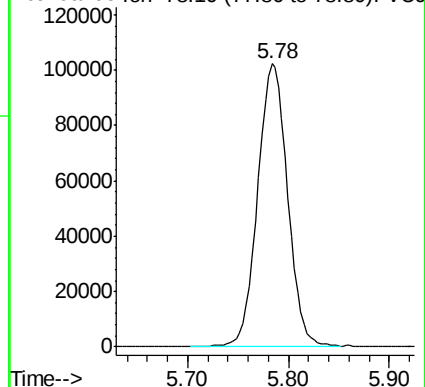
Lab File: VU041869.D

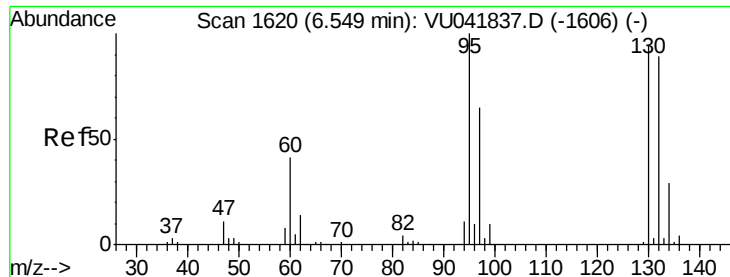
Acq: 07 Jan 2021 13:14

Tgt Ion: 78 Resp: 210714



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.862 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 54988

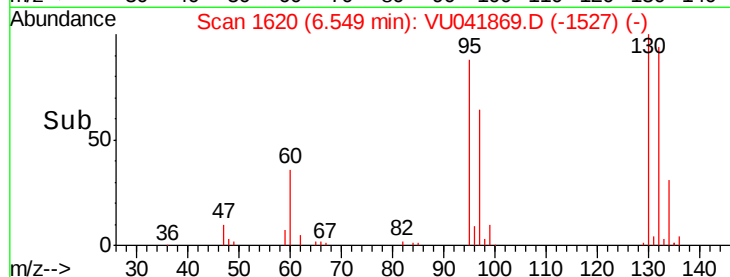
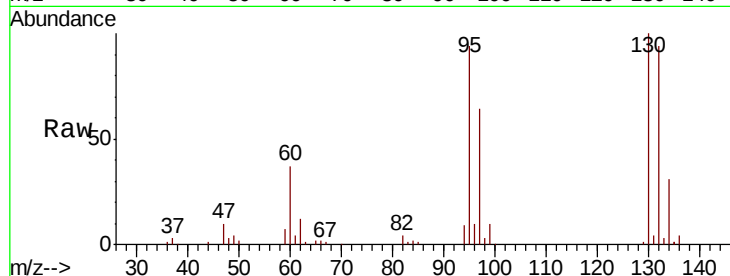
Ion Ratio Lower Upper

95 100

97 67.9 43.9 81.5

132 99.4 63.1 117.3

130 106.1 67.4 125.2

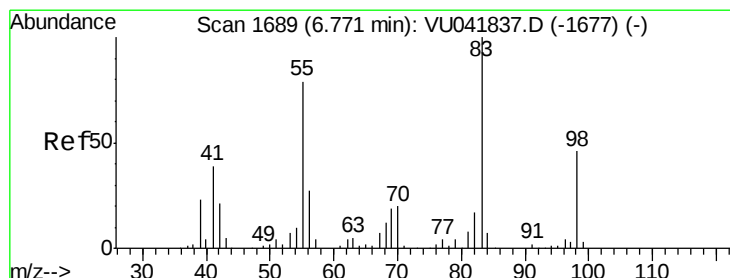
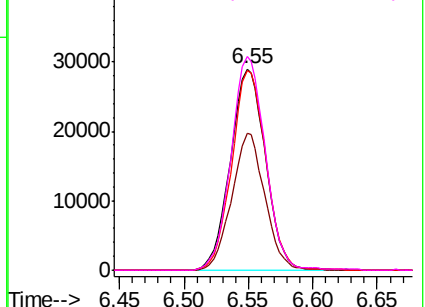


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.455 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

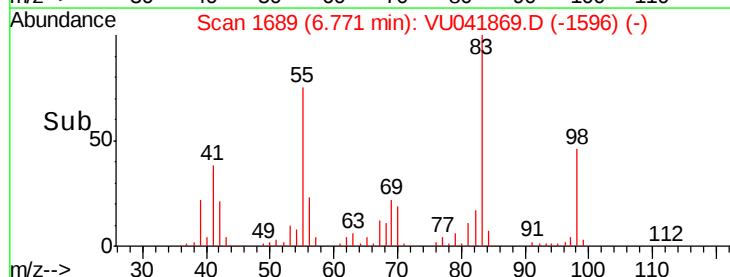
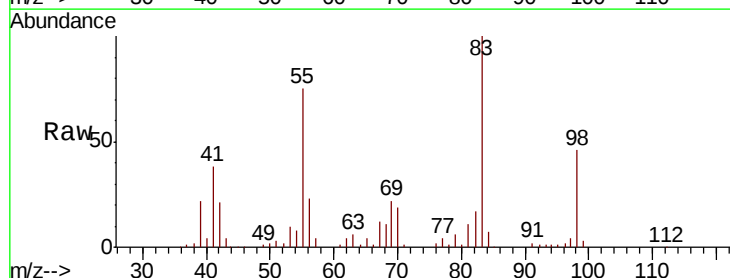
Tgt Ion: 83 Resp: 81445

Ion Ratio Lower Upper

83 100

55 75.6 61.2 91.8

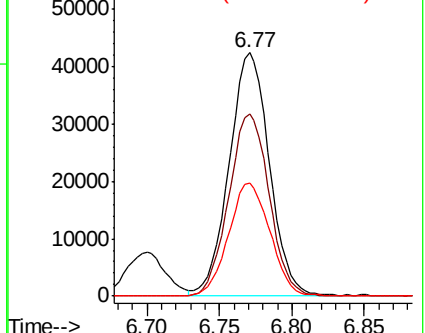
98 48.0 36.6 54.8

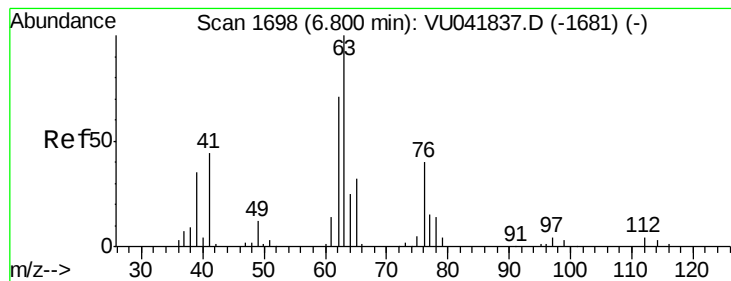


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.428 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

Instrument :

MSVOA_U

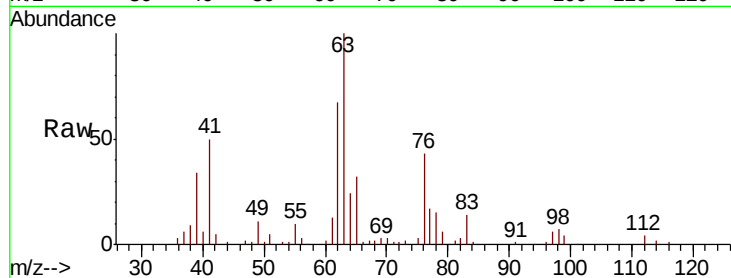
ClientSampleId :

Tot Ion: 63 Resp: 50976

Ion Ratio Lower Upper

63 100

112 4.8 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041837.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041837.D (-1681) (-)

6.80

30000

25000

20000

15000

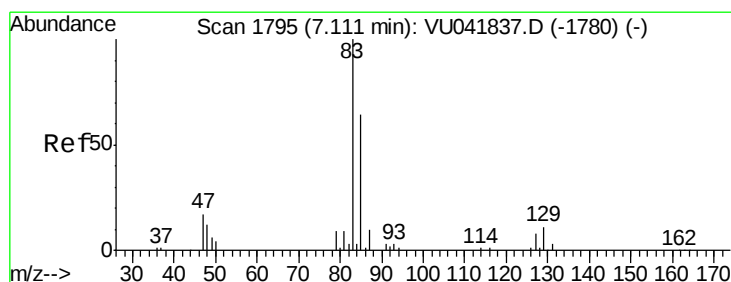
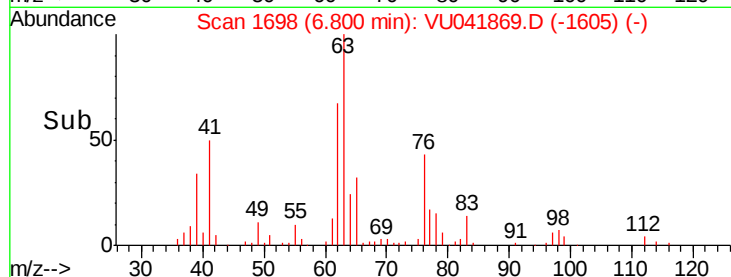
10000

5000

0

Time-->

6.70 6.75 6.80 6.85



#38

Bromodichloromethane

Concen: 4.811 ug/L

RT: 7.11 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

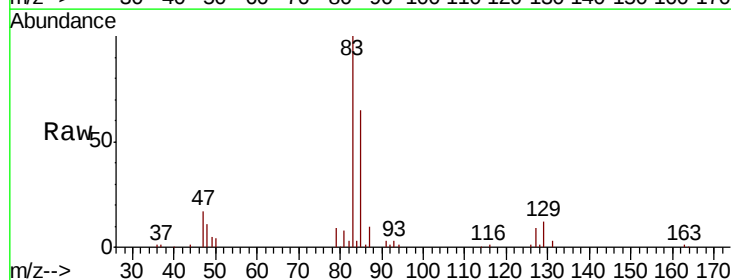
Tgt Ion: 83 Resp: 68905

Ion Ratio Lower Upper

83 100

85 65.0 45.5 84.5

127 9.0 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VU041837.D (-1780) (-)

Ion 85.00 (84.70 to 85.70): VU041837.D (-1780) (-)

Ion 126.90 (126.60 to 127.60): VU041837.D (-1780) (-)

7.11

50000

40000

30000

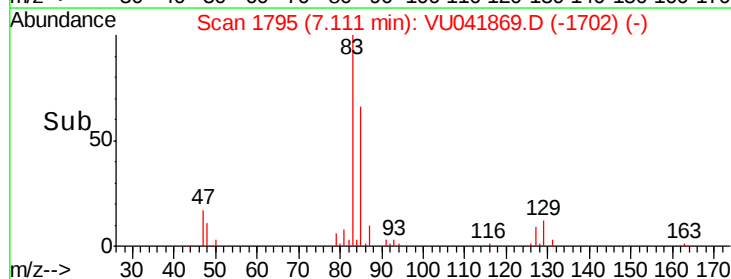
20000

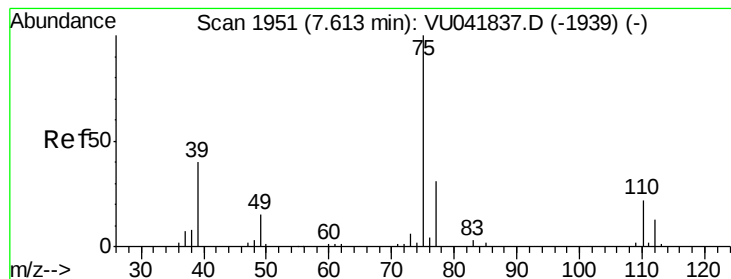
10000

0

Time-->

7.05 7.10 7.15 7.20



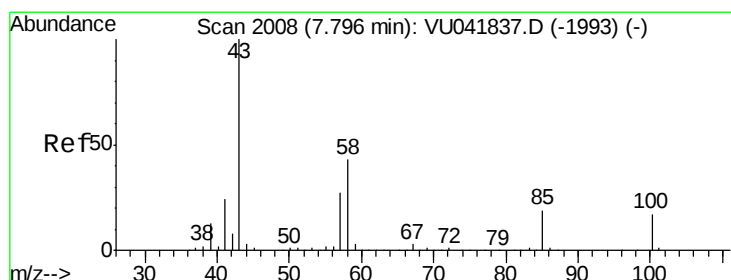
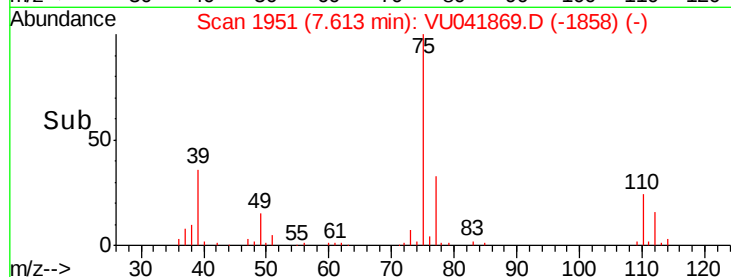
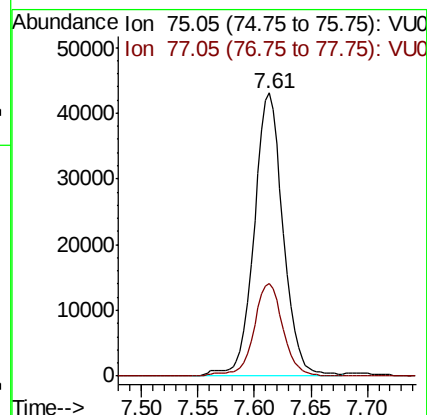
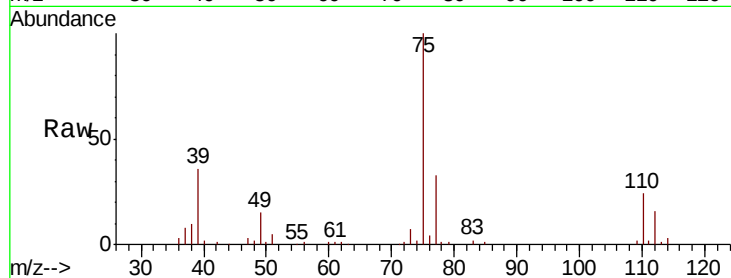


#39

cis-1,3-Dichloropropene
 Concen: 4.519 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041869.D
 Acq: 07 Jan 2021 13:14

Instrument :
 MSVOA_U
 ClientSampleId :

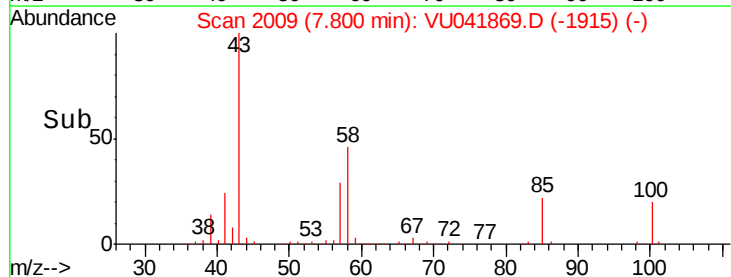
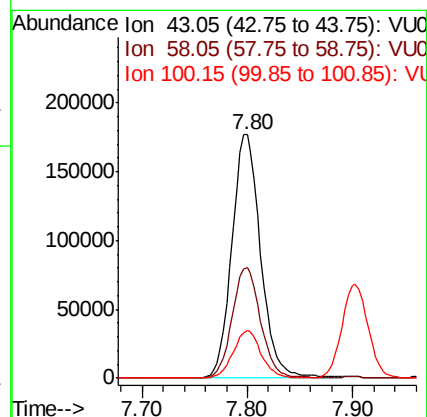
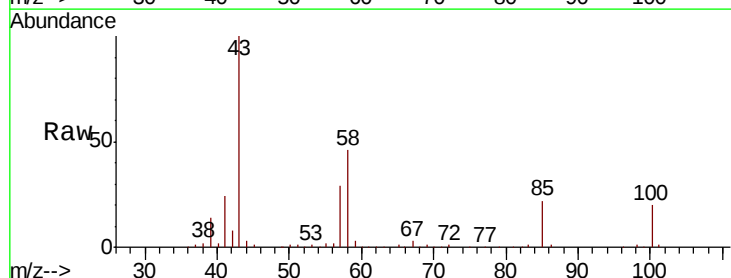
Tot Ion: 75 Resp: 77073
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.3 41.3

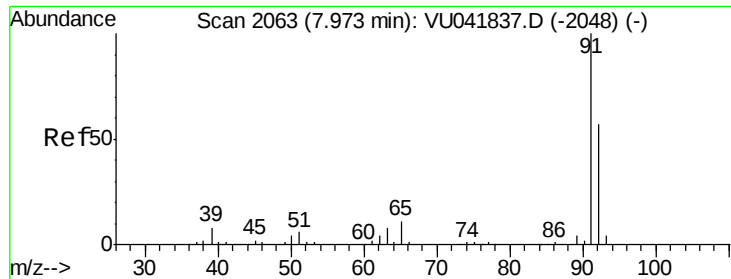


#40

4-Methyl-2-pentanone
 Concen: 40.731 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041869.D
 Acq: 07 Jan 2021 13:14

Tgt Ion: 43 Resp: 333636
 Ion Ratio Lower Upper
 43 100
 58 45.2 34.2 51.2
 100 19.1 12.3 18.5#





#42

Toluene

Concen: 4.963 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

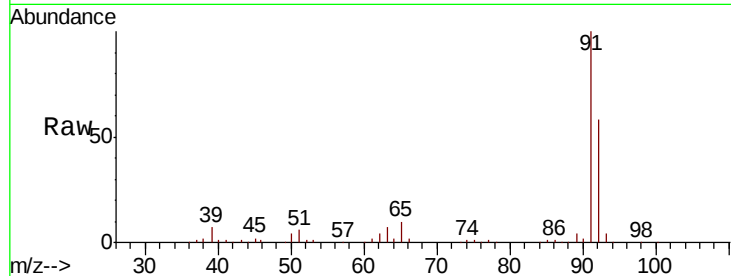
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 230614

Ion Ratio Lower Upper

91 100

92 57.6 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041837.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU041869.D (-1970) (-)

7.97

150000

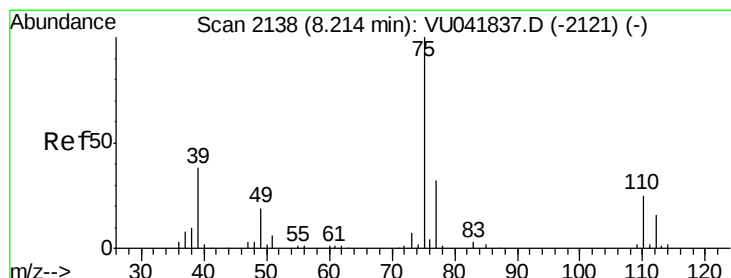
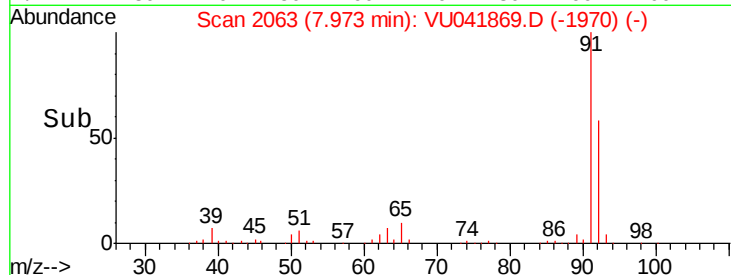
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.670 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041869.D

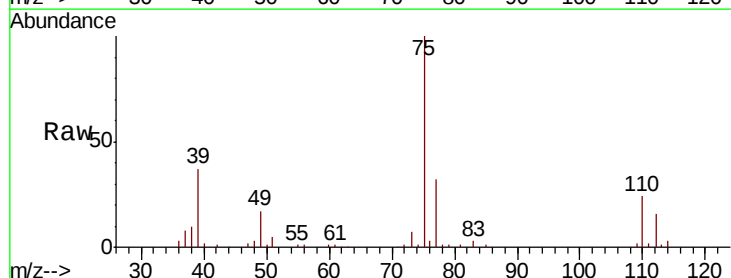
Acq: 07 Jan 2021 13:14

Tgt Ion: 75 Resp: 71229

Ion Ratio Lower Upper

75 100

77 31.7 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041837.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU041869.D (-2045) (-)

8.21

40000

30000

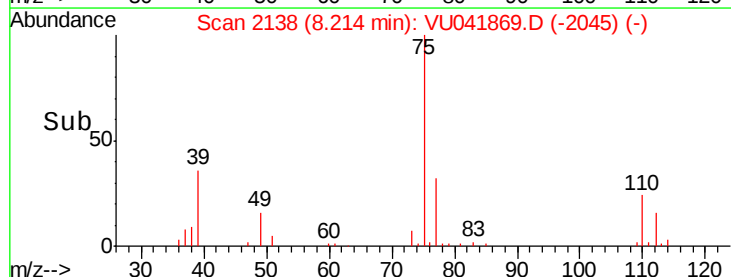
20000

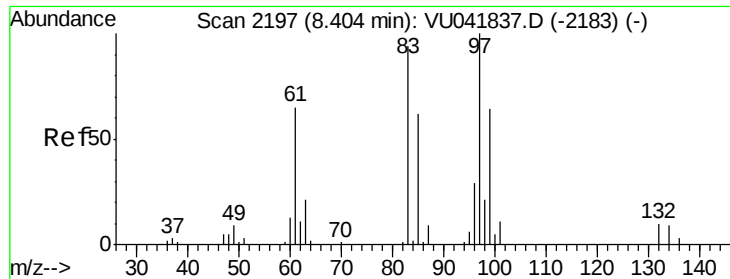
10000

0

8.10 8.15 8.20 8.25 8.30

Time-->

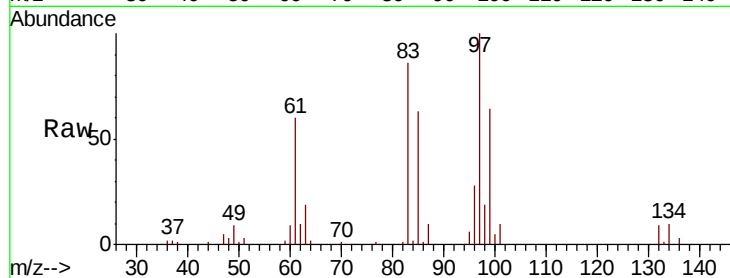




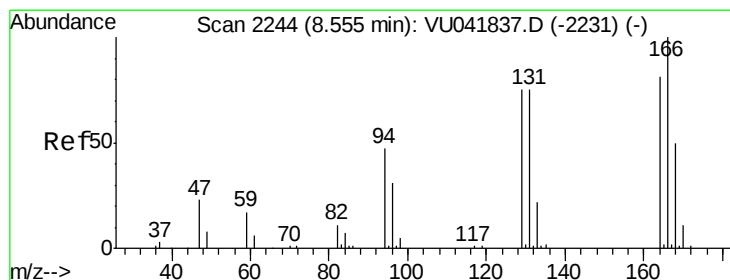
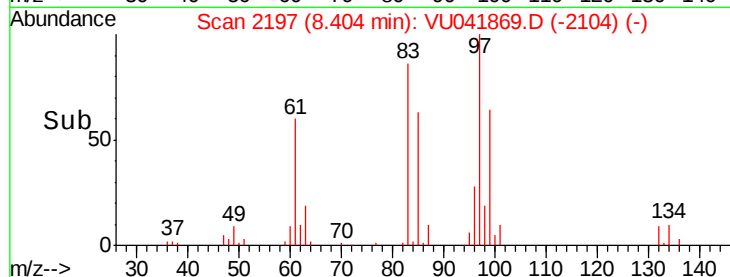
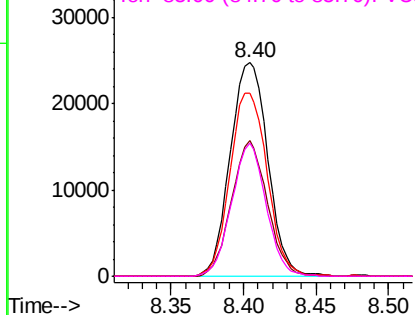
#45
 1,1,2-Trichloroethane
 Concen: 5.249 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041869.D
 Acq: 07 Jan 2021 13:14

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	44683
Ion	Ratio	Lower	Upper
97	100		
99	63.7	42.1	78.3
83	85.5	62.6	116.2
85	62.5	39.1	72.7

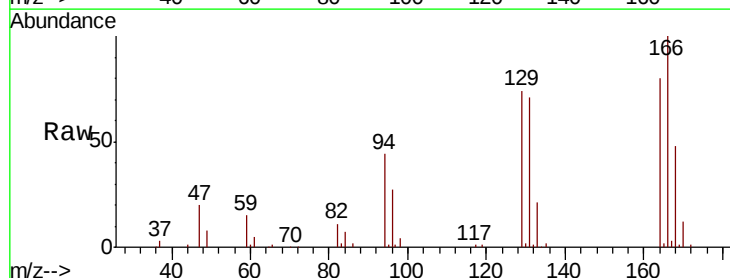


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

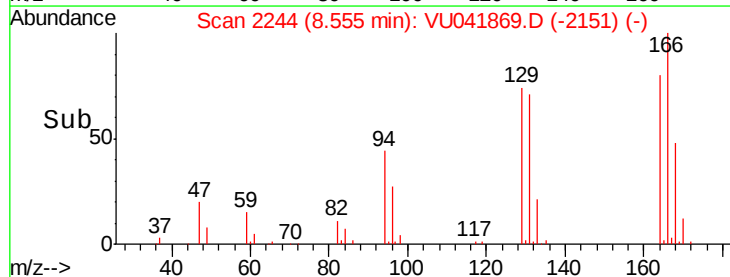
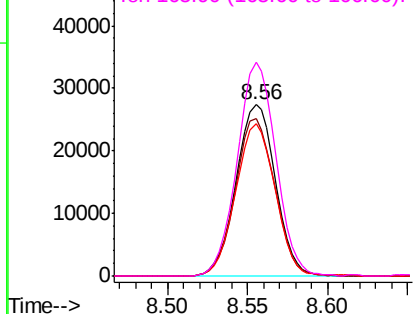


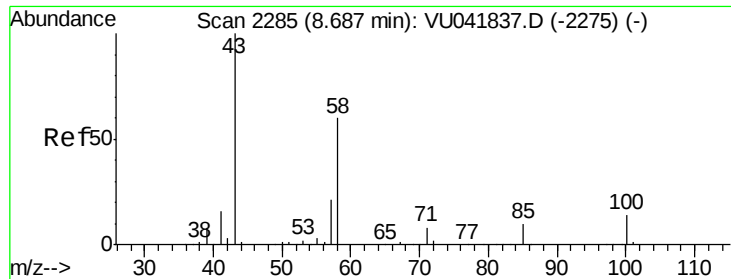
#47
 Tetrachloroethene
 Concen: 5.802 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU041869.D
 Acq: 07 Jan 2021 13:14

Tgt Ion:	164	Resp:	45933
Ion	Ratio	Lower	Upper
164	100		
129	92.1	72.2	134.0
131	88.6	66.9	124.3
166	124.5	89.6	166.4



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

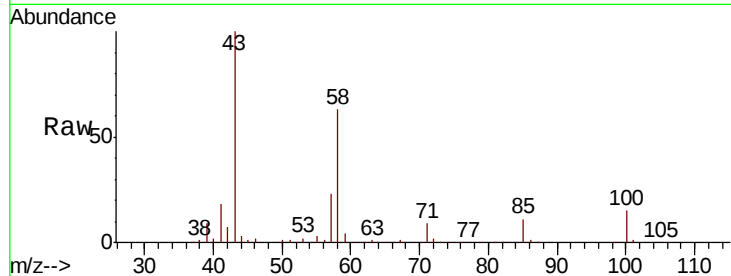




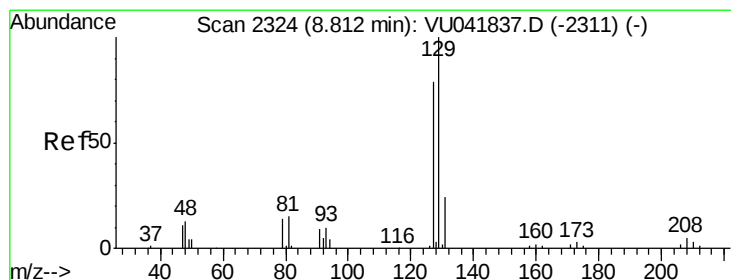
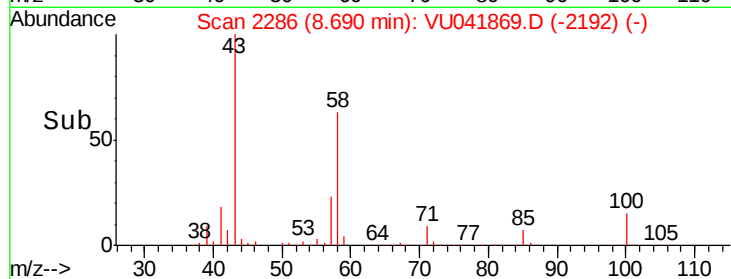
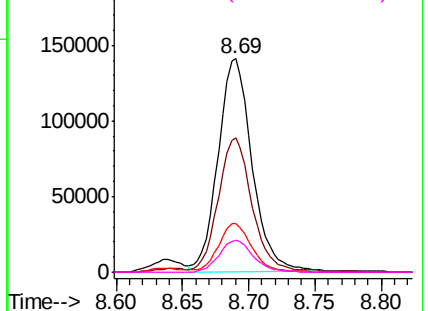
#48
2-Hexanone
Concen: 42.051 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041869.D
Acq: 07 Jan 2021 13:14

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 250679
Ion Ratio Lower Upper
43 100
58 63.7 47.9 71.9
57 22.2 16.5 24.7
100 15.2 9.4 14.2#

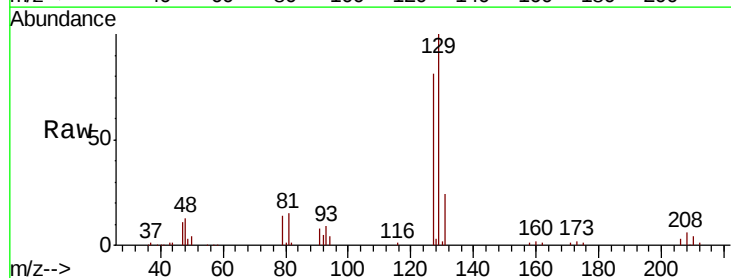


Abundance Ion 43.05 (42.75 to 43.75): VU041837.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU041837.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU041837.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU041837.D (-2275) (-)

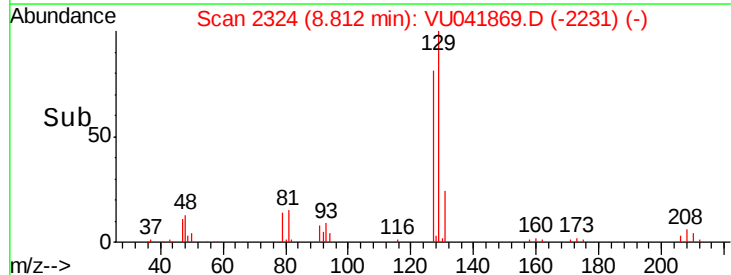
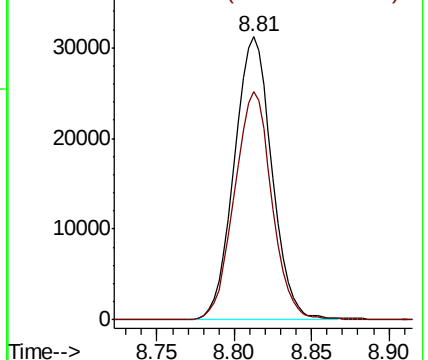


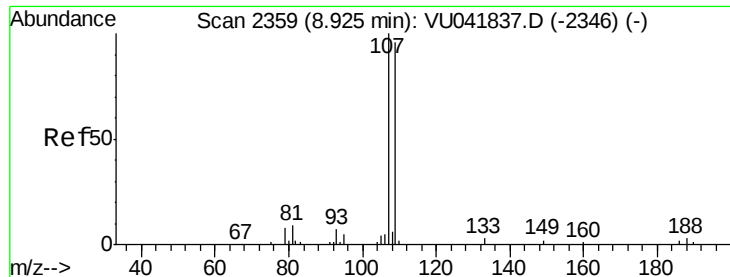
#49
Dibromochloromethane
Concen: 5.382 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041869.D
Acq: 07 Jan 2021 13:14

Tgt Ion: 129 Resp: 52629
Ion Ratio Lower Upper
129 100
127 80.6 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VU041837.D (-2311) (-)
Ion 126.90 (126.60 to 127.60): VU041837.D (-2311) (-)

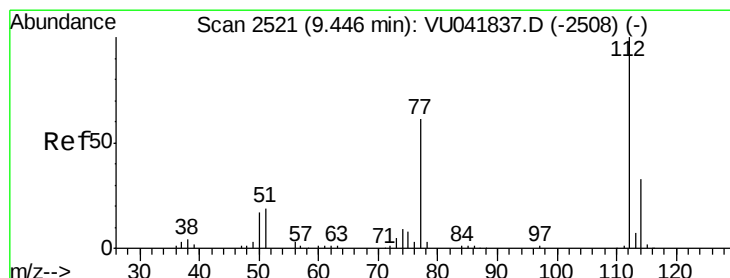
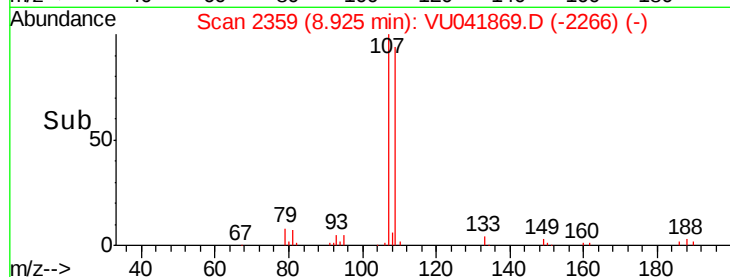
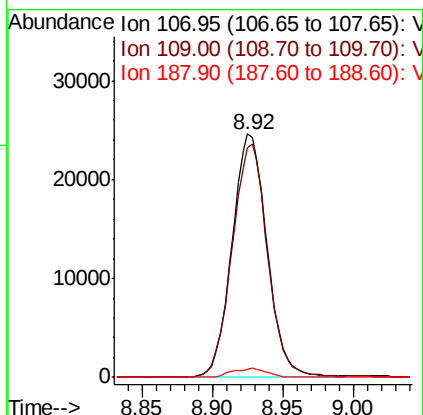
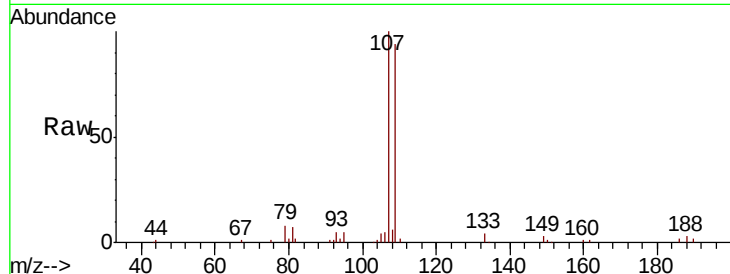




#50
1,2-Dibromoethane
Concen: 5.084 ug/L
RT: 8.92 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU041869.D
Acq: 07 Jan 2021 13:14

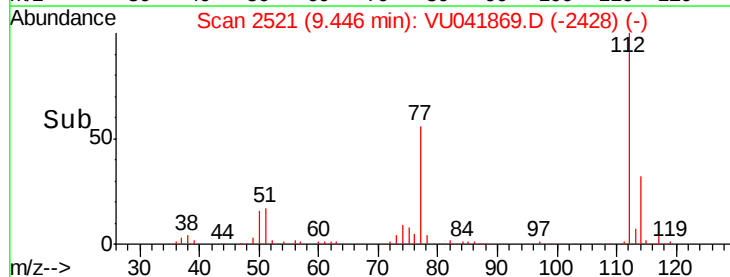
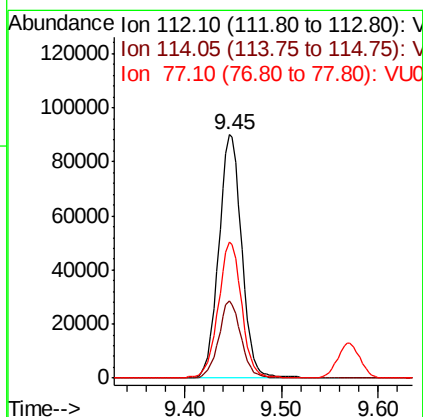
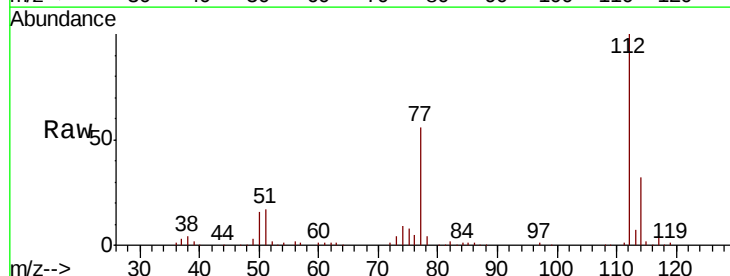
Instrument :
MSVOA_U
ClientSampleId :

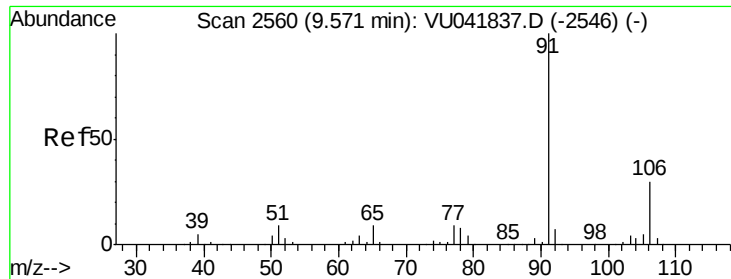
Tot Ion:107 Resp: 42816
Ion Ratio Lower Upper
107 100
109 94.2 65.6 121.8
188 3.5 2.6 4.0



#51
Chlorobenzene
Concen: 5.113 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU041869.D
Acq: 07 Jan 2021 13:14

Tgt Ion:112 Resp: 147680
Ion Ratio Lower Upper
112 100
114 31.6 22.7 42.3
77 56.1 49.1 73.7

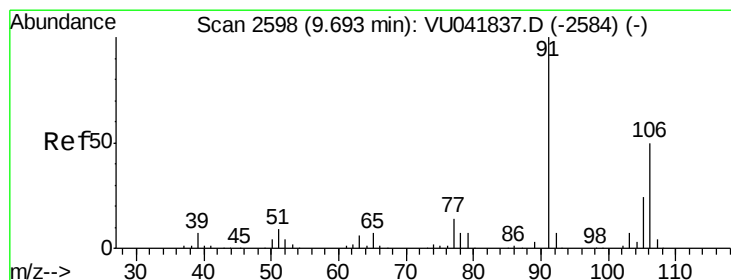
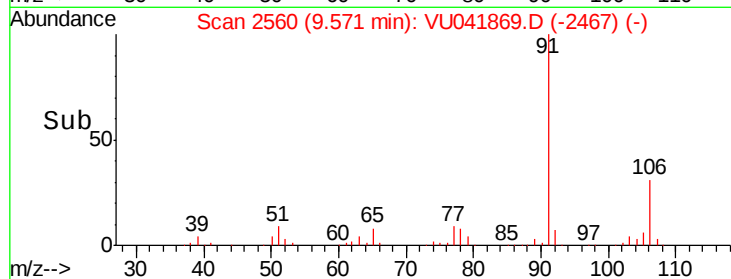
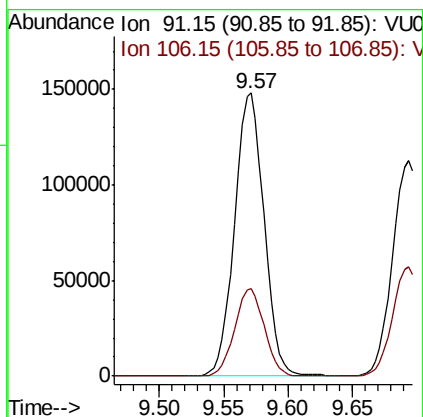
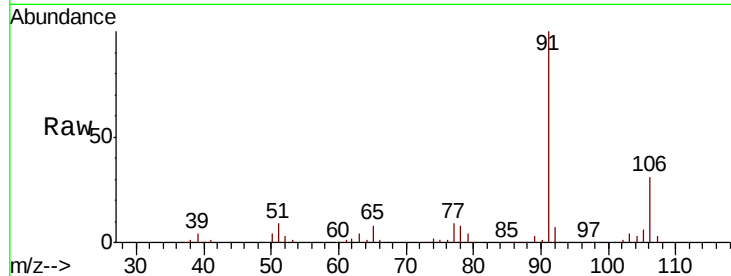




#52
Ethylbenzene
Concen: 4.759 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU041869.D
Acq: 07 Jan 2021 13:14

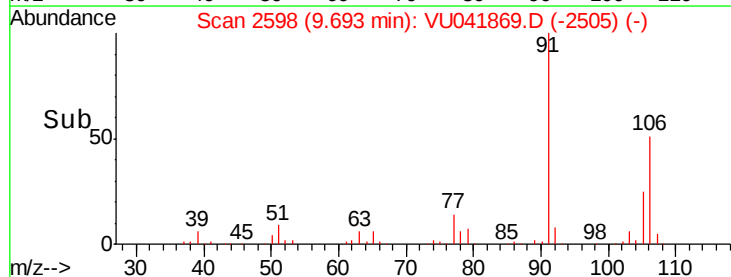
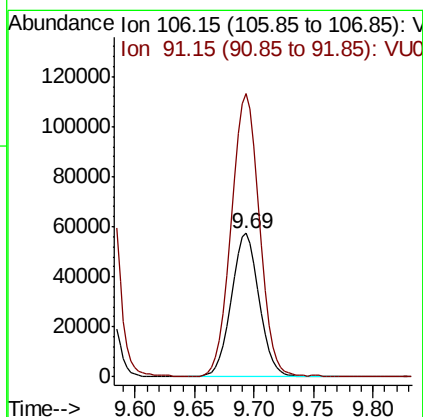
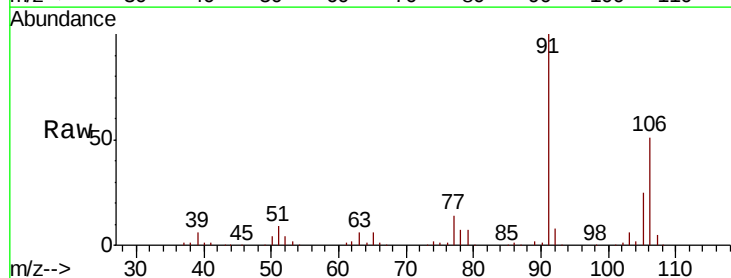
Instrument :
MSVOA_U
ClientSampleId :

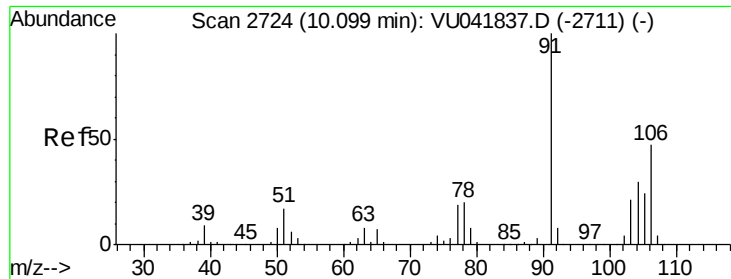
Tot Ion: 91 Resp: 235459
Ion Ratio Lower Upper
91 100
106 30.7 21.1 39.3



#53
m,p-Xylene
Concen: 5.051 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU041869.D
Acq: 07 Jan 2021 13:14

Tgt Ion: 106 Resp: 93203
Ion Ratio Lower Upper
106 100
91 197.4 140.4 260.8

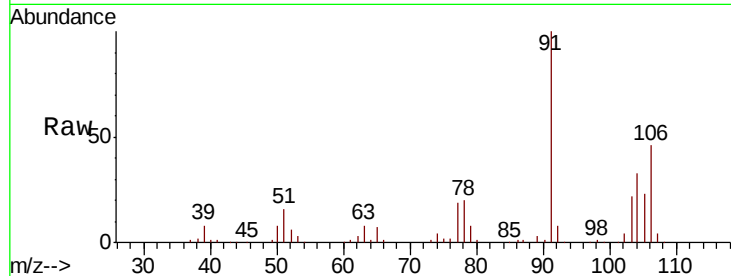




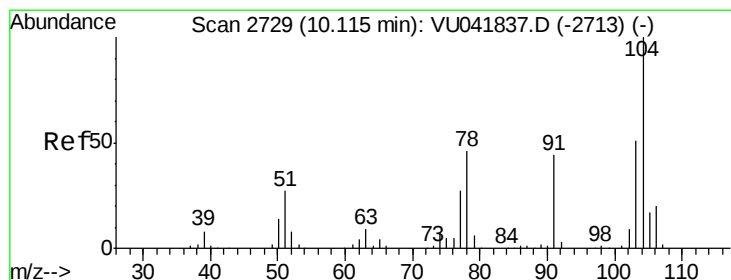
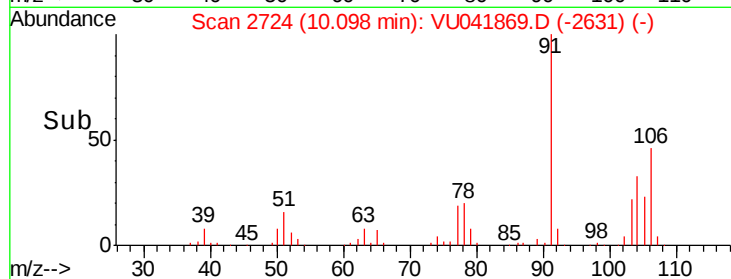
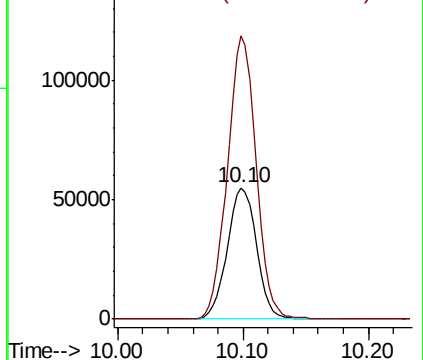
#54
o-Xylene
Concen: 4.932 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041869.D
Acq: 07 Jan 2021 13:14

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 89146
Ion Ratio Lower Upper
106 100
91 215.6 151.3 281.1

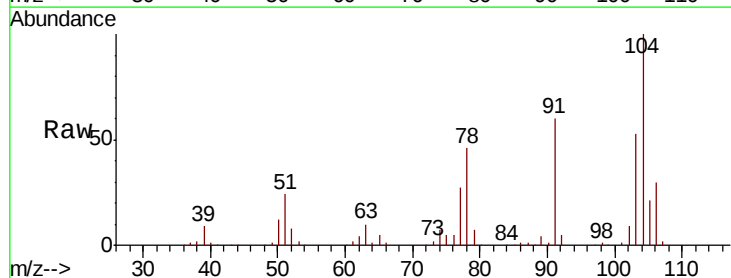


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

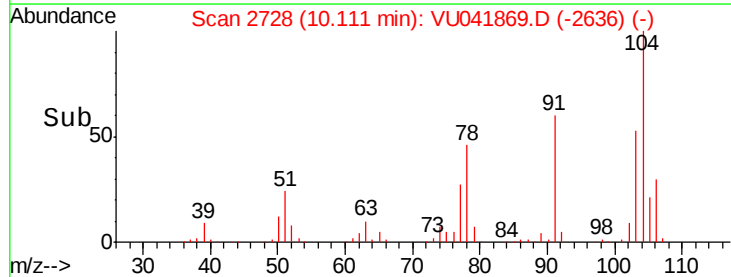
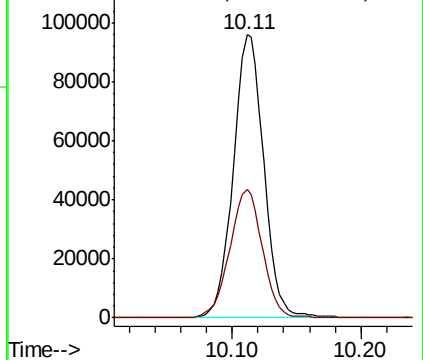


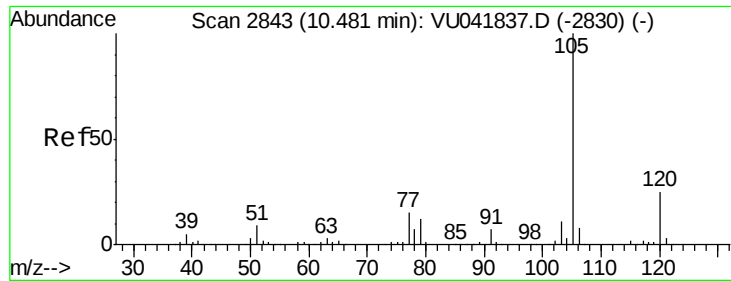
#55
Styrene
Concen: 5.048 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041869.D
Acq: 07 Jan 2021 13:14

Tgt Ion:104 Resp: 157616
Ion Ratio Lower Upper
104 100
78 45.5 31.1 57.9



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





#56

Isopropylbenzene

Concen: 4.951 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

Instrument :

MSVOA_U

ClientSampleId :

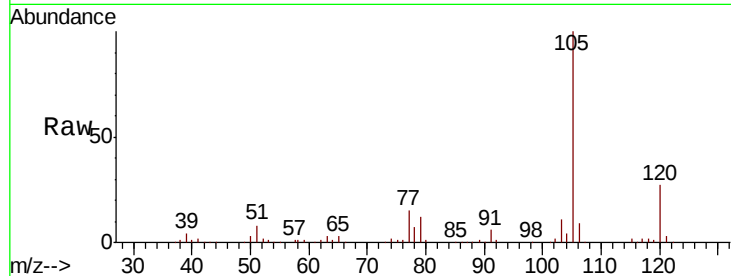
Tot Ion:105 Resp: 238171

Ion Ratio Lower Upper

105 100

120 26.6 20.5 30.7

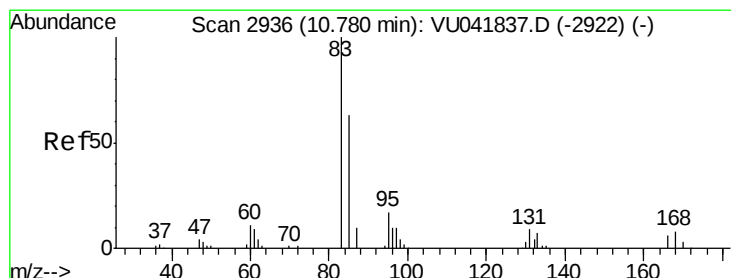
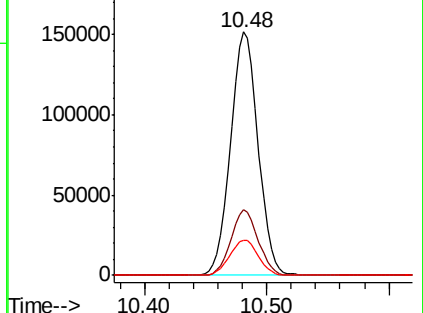
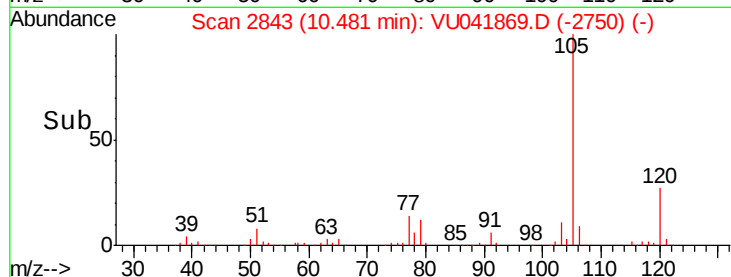
77 15.0 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.734 ug/L

RT: 10.78 min Scan# 2935

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

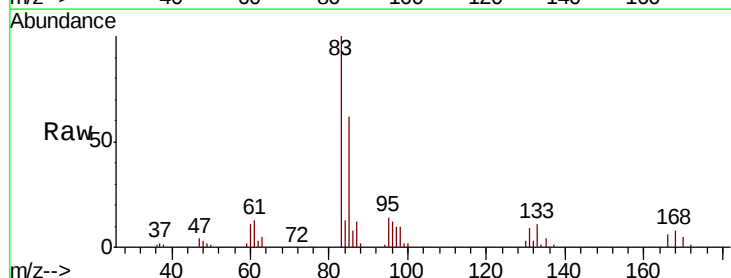
Tgt Ion: 83 Resp: 56079

Ion Ratio Lower Upper

83 100

85 62.0 46.1 85.7

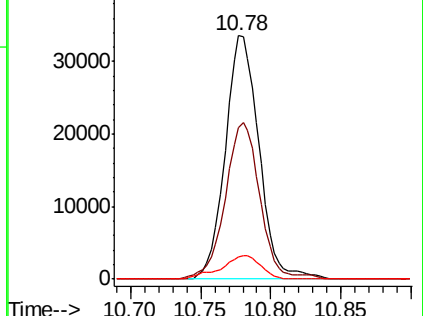
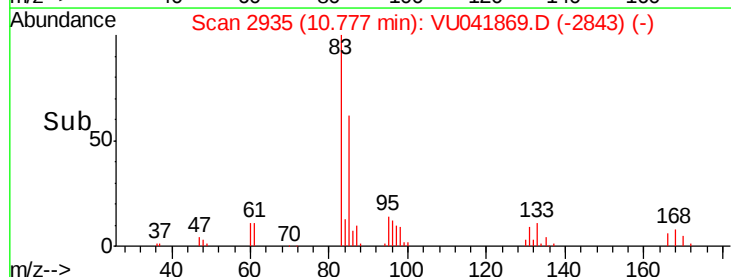
131 9.2 7.8 11.6

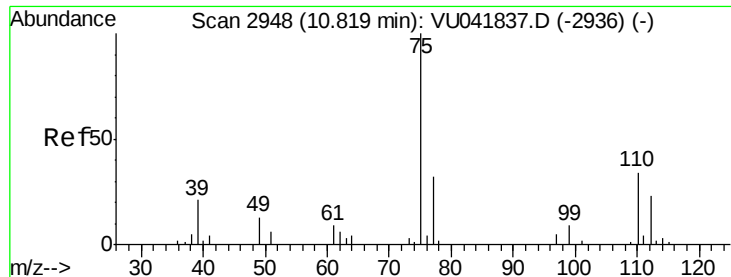


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

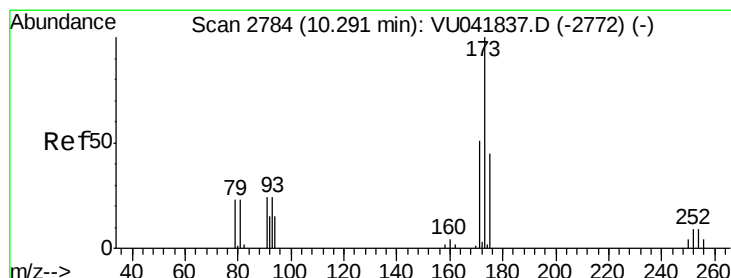
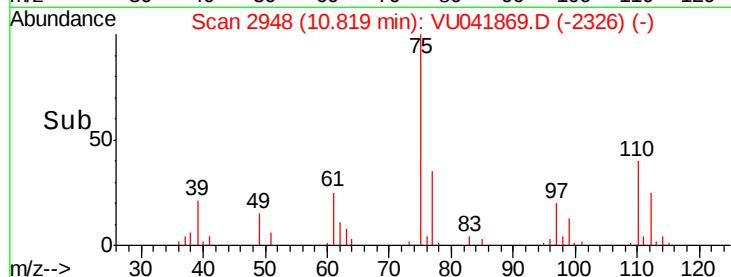
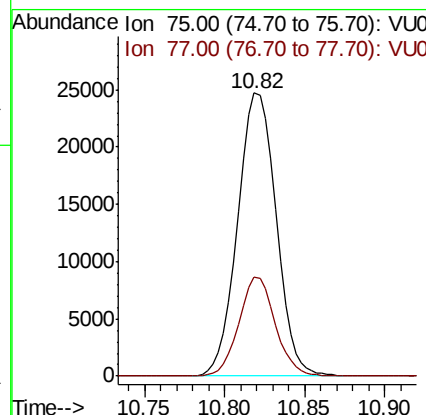
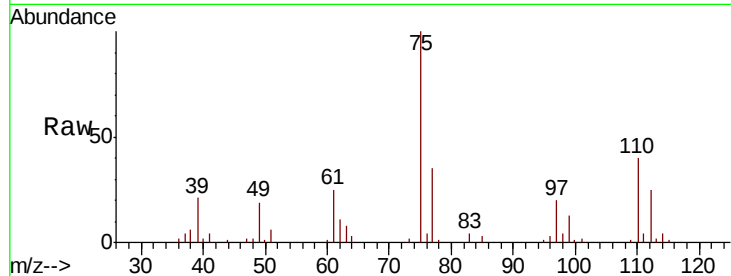




#59
 1,2,3-Trichloropropane
 Concen: 4.688 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU041869.D
 Acq: 07 Jan 2021 13:14

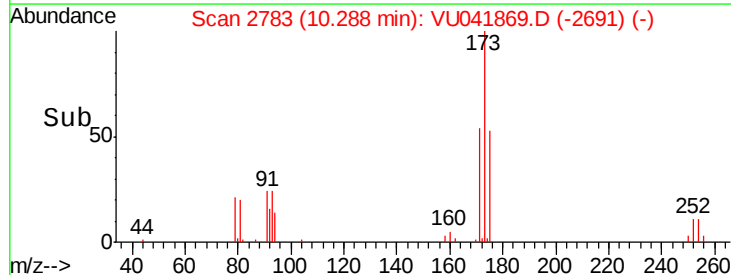
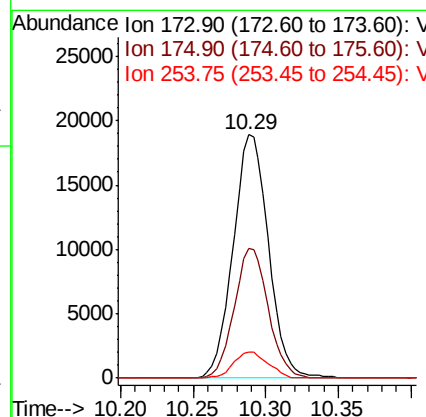
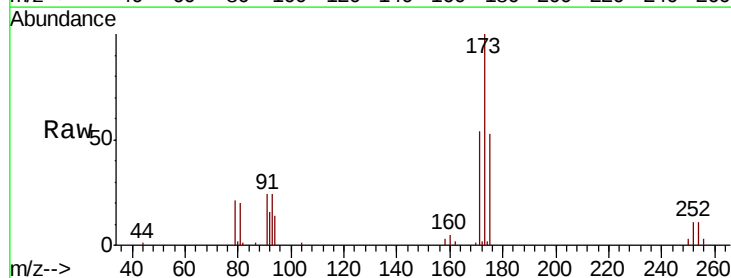
Instrument :
 MSVOA_U
 ClientSampleId :

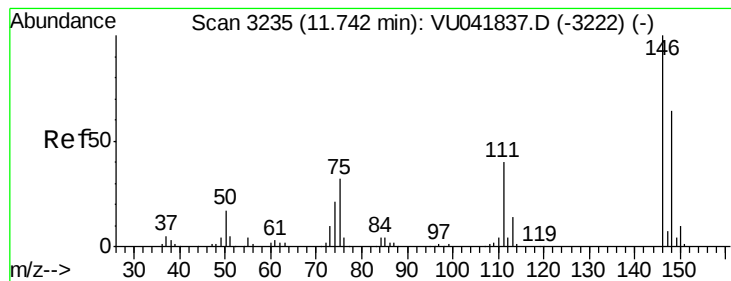
Tot Ion: 75 Resp: 40529
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.2 39.2



#61
 Bromoform
 Concen: 5.516 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU041869.D
 Acq: 07 Jan 2021 13:14

Tgt Ion:173 Resp: 31966
 Ion Ratio Lower Upper
 173 100
 175 51.1 37.3 55.9
 254 10.5 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 5.182 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

Instrument :

MSVOA_U

ClientSampled :

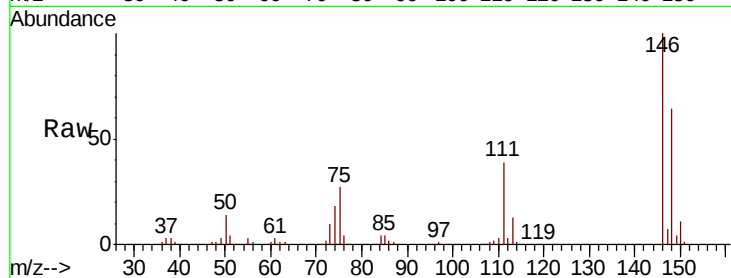
Tot Ion:146 Resp: 121491

Ion Ratio Lower Upper

146 100

111 39.3 30.0 55.8

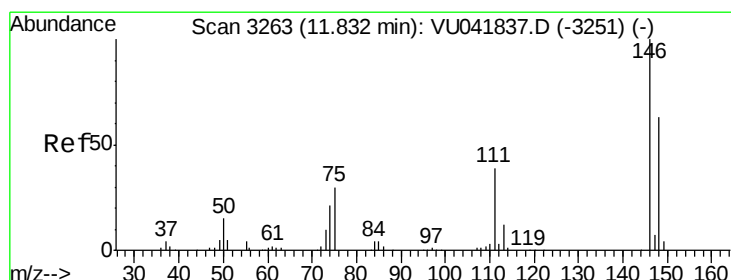
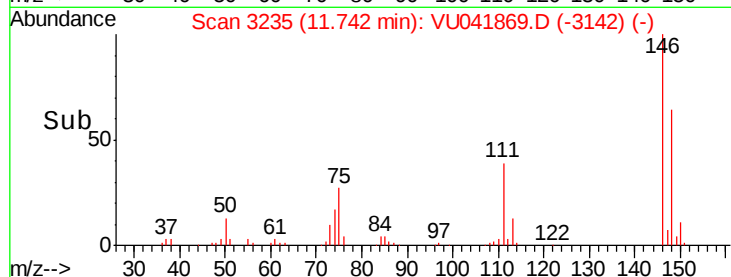
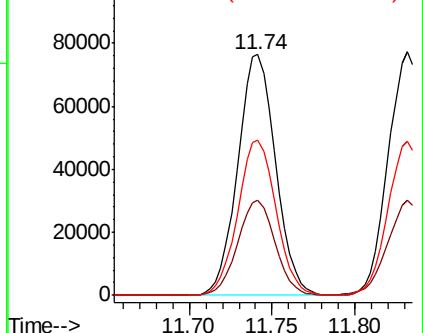
148 64.4 44.9 83.3



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: 5.163 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

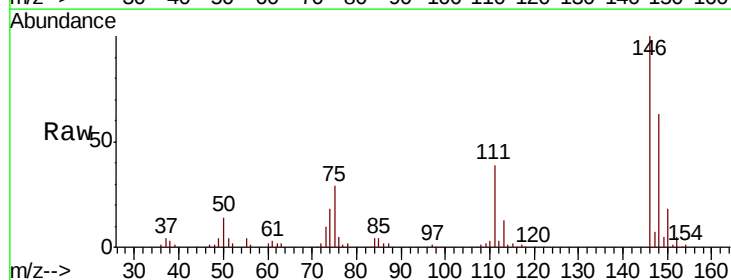
Tgt Ion:146 Resp: 121702

Ion Ratio Lower Upper

146 100

111 39.2 27.9 51.9

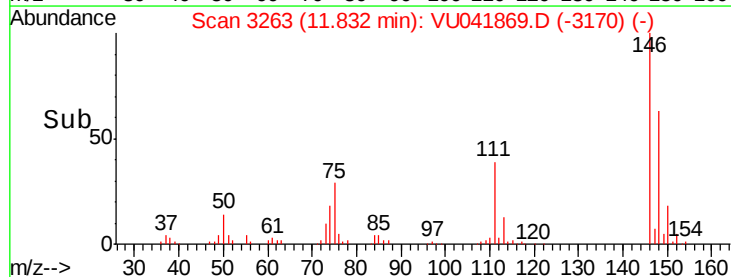
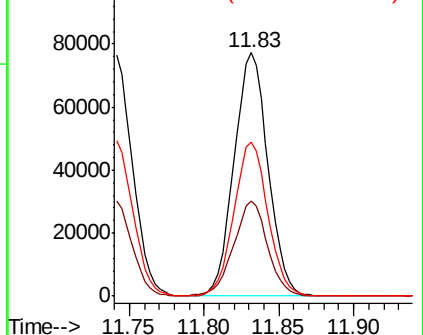
148 63.4 45.0 83.6

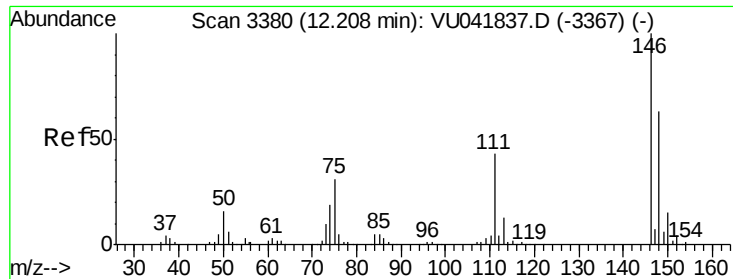


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.063 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

Instrument :

MSVOA_U

ClientSampled :

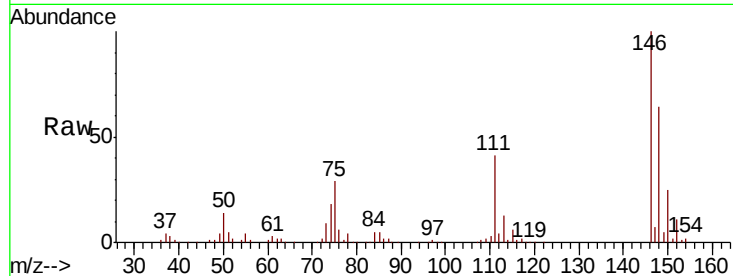
Tot Ion:146 Resp: 116243

Ion Ratio Lower Upper

146 100

111 41.3 35.0 52.6

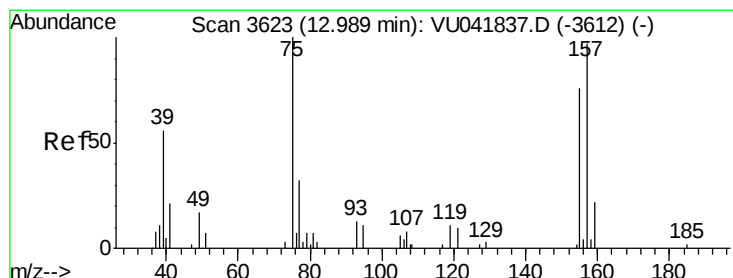
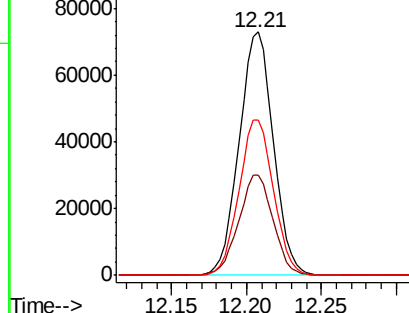
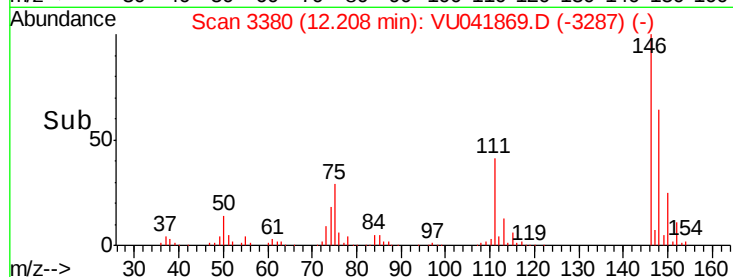
148 63.6 51.0 76.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.295 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

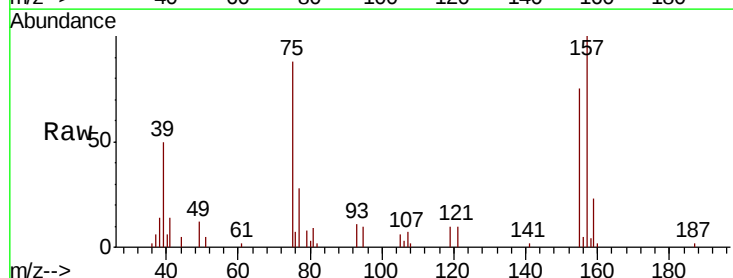
Tgt Ion: 75 Resp: 9247

Ion Ratio Lower Upper

75 100

155 86.1 57.4 86.0#

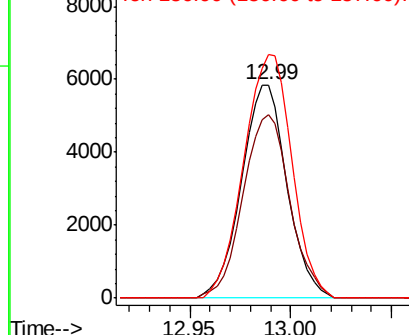
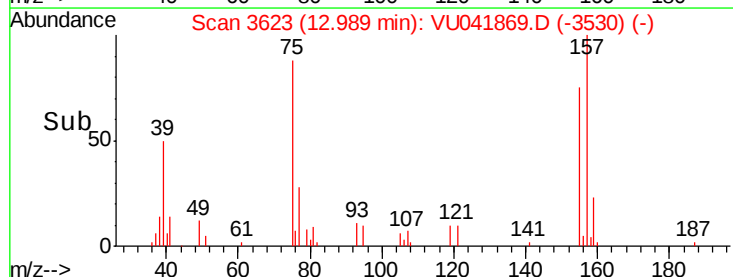
157 114.1 72.4 108.6#

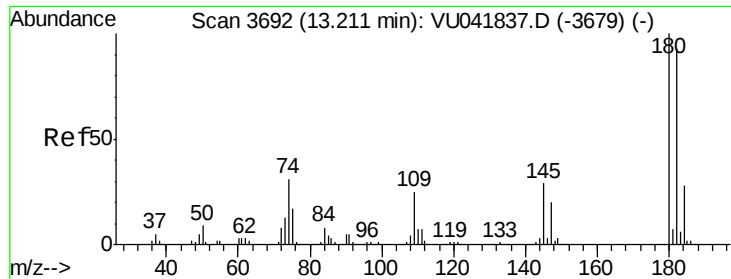


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

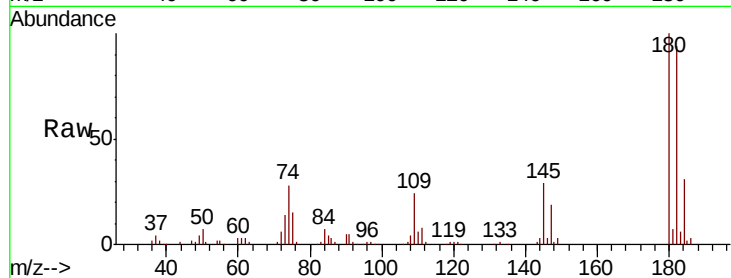




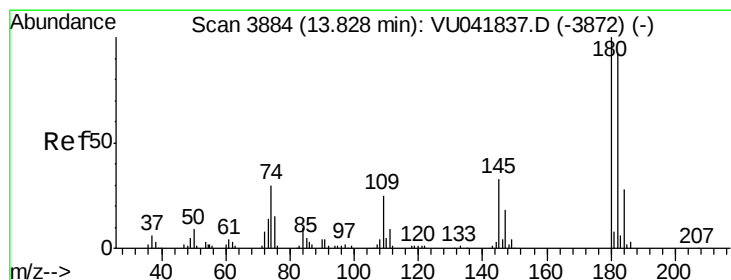
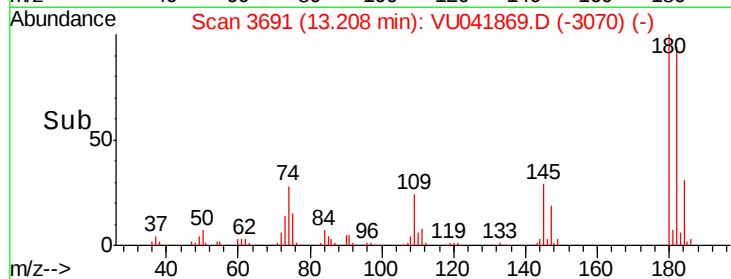
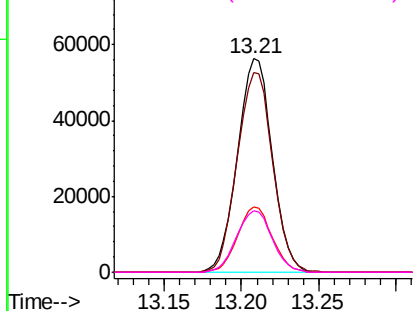
#67
 1,3,5-Trichlorobenzene
 Concen: 4.949 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041869.D
 Acq: 07 Jan 2021 13:14

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 88088
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.3 114.5
 184 30.2 24.1 36.1
 145 29.4 24.1 36.1

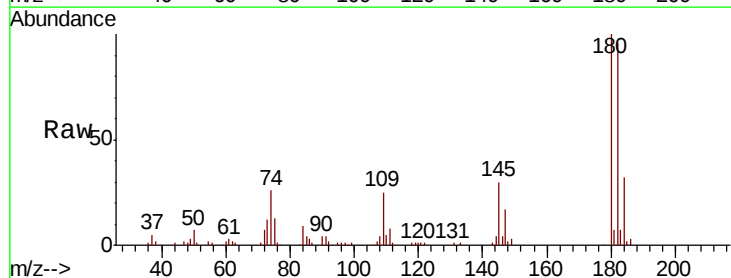


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

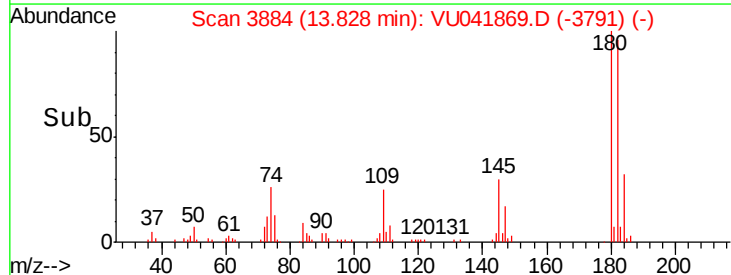
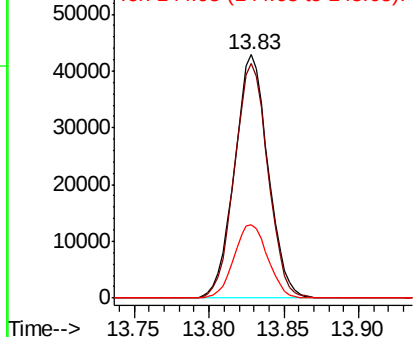


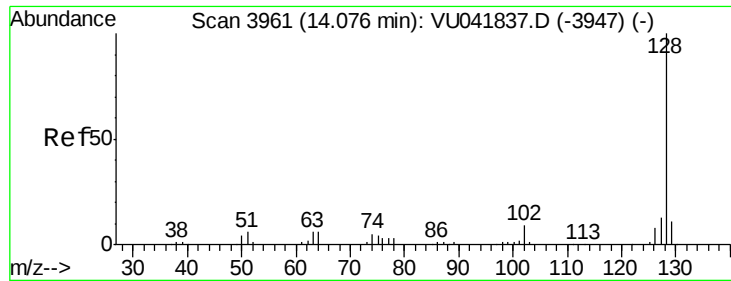
#68
 1,2,4-trichlorobenzene
 Concen: 4.482 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041869.D
 Acq: 07 Jan 2021 13:14

Tgt Ion:180 Resp: 66943
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.4 113.0
 145 30.3 24.5 36.7



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: 3.464 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

Instrument :

MSVOA_U

ClientSampleId :

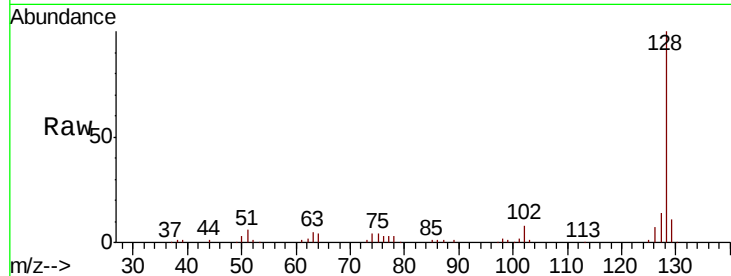
Tot Ion:128 Resp: 107087

Ion Ratio Lower Upper

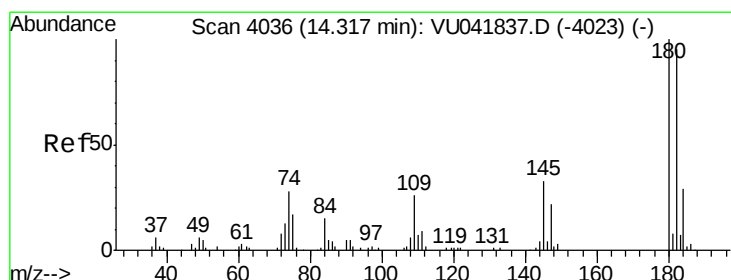
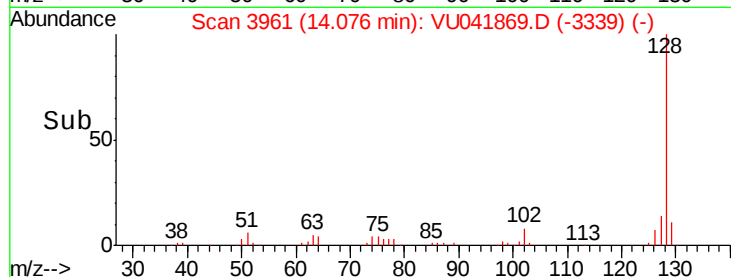
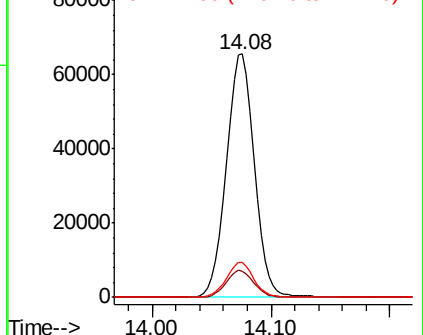
128 100

129 10.9 8.7 13.1

127 14.0 10.2 15.4



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



#70

1,2,3-Trichlorobenzene

Concen: 4.674 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041869.D

Acq: 07 Jan 2021 13:14

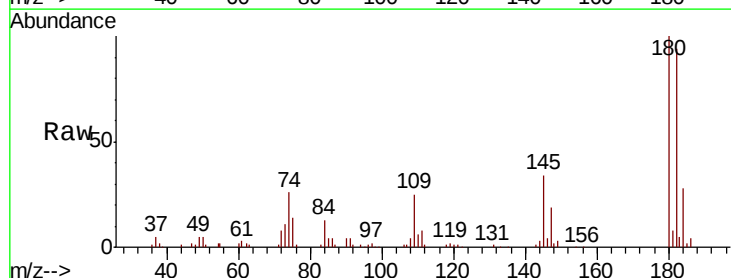
Tgt Ion:180 Resp: 66531

Ion Ratio Lower Upper

180 100

182 94.4 77.0 115.4

145 32.0 26.4 39.6



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

