

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041892.D
 Acq On : 08 Jan 2021 09:43
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 09 01:21:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 08 04:58:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	148362	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	135057	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	73557	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45602	3.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	1.92	69	47845	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.58	63	101266	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.80%
20) 2-Butanone-d5	4.66	46	194160	58.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.56%
24) Chloroform-d	5.08	84	114910	5.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.60%
26) 1,2-Dichloroethane-d4	5.71	65	62599	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
32) Benzene-d6	5.74	84	215845	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.60%
36) 1,2-Dichloropropane-d6	6.70	67	69722	5.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.00%
41) Toluene-d8	7.90	98	186251	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
43) trans-1,3-Dichloropropene-	8.18	79	26269	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.64	63	149005	49.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.98%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	60461	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	71844	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	61724	4.911	ug/L 100
3) Chloromethane	1.52	50	60104	4.922	ug/L 100
5) Vinyl chloride	1.61	62	70123	5.201	ug/L 99
6) Bromomethane	1.86	94	46904	5.564	ug/L 98
8) Chloroethane	1.94	64	44676	4.878	ug/L 100
9) Trichlorofluoromethane	2.15	101	102625	6.013	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	56872	5.572	ug/L 97
12) 1,1-Dichloroethene	2.59	96	55161	5.481	ug/L 90
13) Acetone	2.67	43	99419	46.912	ug/L 100
14) Carbon disulfide	2.80	76	177597	5.106	ug/L 99
15) Methyl Acetate	2.97	43	25328	4.597	ug/L 91
16) Methylene chloride	3.06	84	76196	6.339	ug/L 95
17) Methyl tert-butyl Ether	3.38	73	135380	5.041	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	55010	5.284	ug/L 96
19) 1,1-Dichloroethane	3.89	63	100637	5.172	ug/L 98
21) 2-Butanone	4.73	43	167512	48.527	ug/L 96
22) cis-1,2-Dichloroethene	4.68	96	59457	5.168	ug/L 98

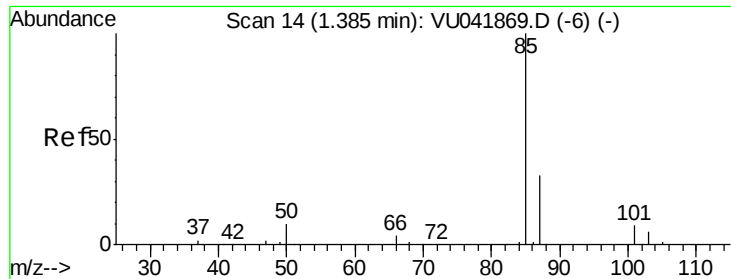
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041892.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 08 04:58:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	28834	5.456	uq/L	91
25) Chloroform	5.10	83	103357	5.275	uq/L	99
27) 1,2-Dichloroethane	5.81	62	67745	5.106	uq/L	100
29) 1,1,1-Trichloroethane	5.33	97	89932	5.798	uq/L	97
30) Cyclohexane	5.40	56	83109	4.781	uq/L	93
31) Carbon tetrachloride	5.54	117	78729	5.870	uq/L	99
33) Benzene	5.79	78	223175	5.167	uq/L	100
34) Trichloroethene	6.55	95	58110	5.354	uq/L	98
35) Methylcyclohexane	6.77	83	85028	4.846	uq/L	99
37) 1,2-Dichloropropane	6.80	63	57008	5.160	uq/L	100
38) Bromodichloromethane	7.11	83	73558	5.352	uq/L	97
39) cis-1,3-Dichloropropene	7.61	75	76222	4.656	uq/L	100
40) 4-Methyl-2-pentanone	7.80	43	355952	45.278	uq/L	96
42) Toluene	7.97	91	233421	5.234	uq/L	99
44) trans-1,3-Dichloropropene	8.21	75	71593	4.890	uq/L	93
45) 1,1,2-Trichloroethane	8.40	97	43083	5.273	uq/L	98
47) Tetrachloroethene	8.56	164	42906	5.647	uq/L	95
48) 2-Hexanone	8.69	43	243917	42.632	uq/L #	95
49) Dibromochloromethane	8.81	129	53369	5.687	uq/L	97
50) 1,2-Dibromoethane	8.92	107	41752	5.166	uq/L #	95
51) Chlorobenzene	9.45	112	141855	5.117	uq/L	96
52) Ethylbenzene	9.57	91	227563	4.792	uq/L	97
53) m,p-Xylene	9.69	106	90498	5.110	uq/L	96
54) o-Xylene	10.10	106	87955	5.071	uq/L	94
55) Styrene	10.11	104	152181	5.079	uq/L	99
56) Isopropylbenzene	10.48	105	231183	5.007	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	54642	4.806	uq/L	100
59) 1,2,3-Trichloropropane	10.82	75	40181	4.843	uq/L	99
61) Bromoform	10.29	173	32962	5.928	uq/L	99
62) 1,3-Dichlorobenzene	11.74	146	115910	5.152	uq/L	98
63) 1,4-Dichlorobenzene	11.83	146	116569	5.154	uq/L	98
65) 1,2-Dichlorobenzene	12.20	146	113307	5.143	uq/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	9307	4.505	uq/L #	79
67) 1,3,5-Trichlorobenzene	13.21	180	82650	4.840	uq/L	99
68) 1,2,4-trichlorobenzene	13.83	180	64032	4.468	uq/L	97
69) Naphthalene	14.07	128	110072	3.711	uq/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	65046	4.762	uq/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.911 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

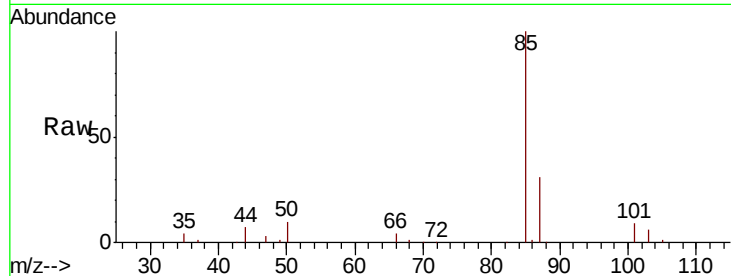
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 61724

Ion Ratio Lower Upper

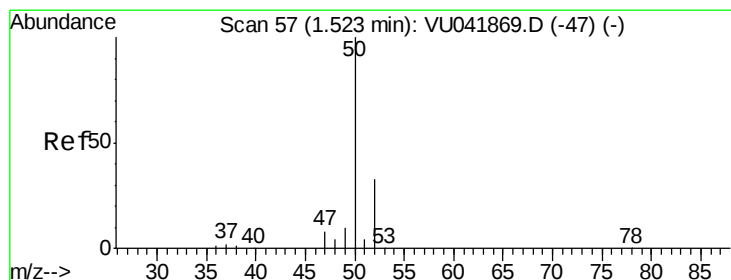
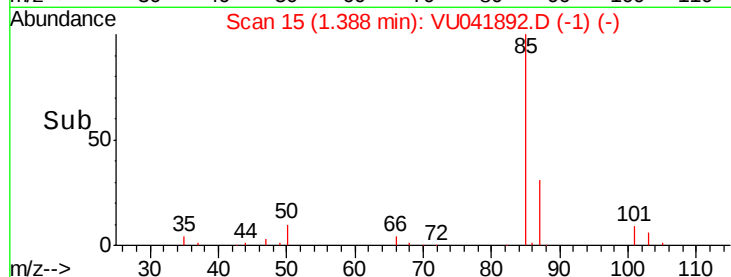
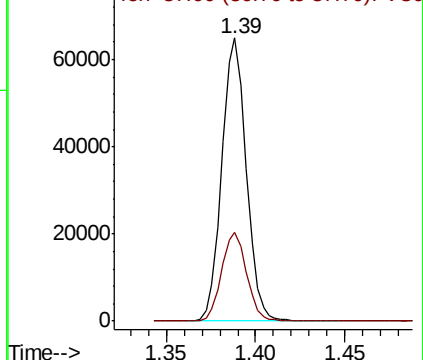
85 100

87 32.1 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: 4.922 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041892.D

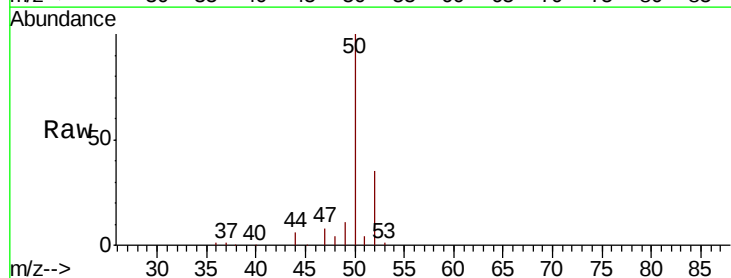
Acq: 08 Jan 2021 09:43

Tgt Ion: 50 Resp: 60104

Ion Ratio Lower Upper

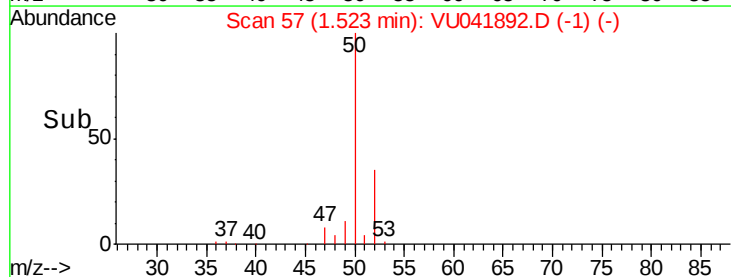
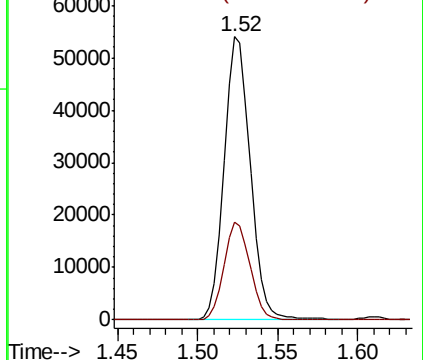
50 100

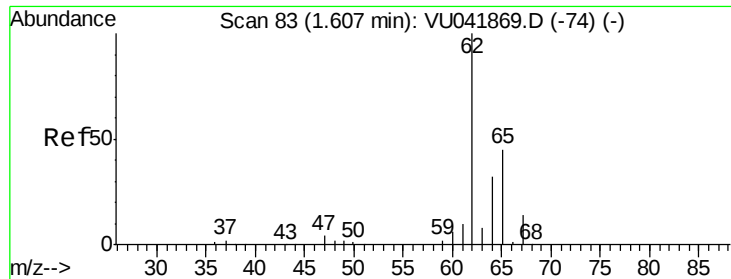
52 34.7 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.201 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

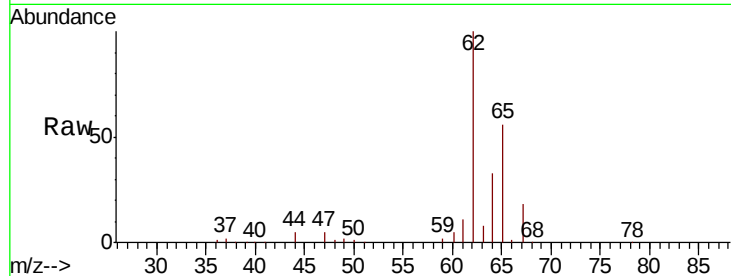
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 70123

Ion Ratio Lower Upper

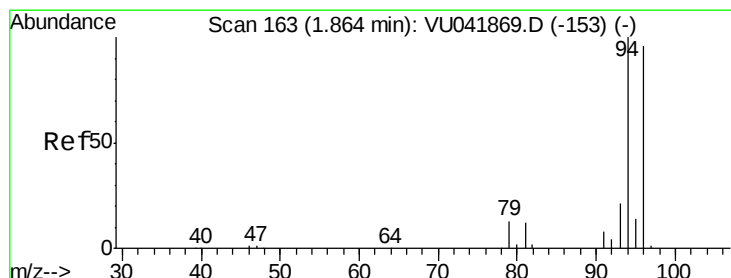
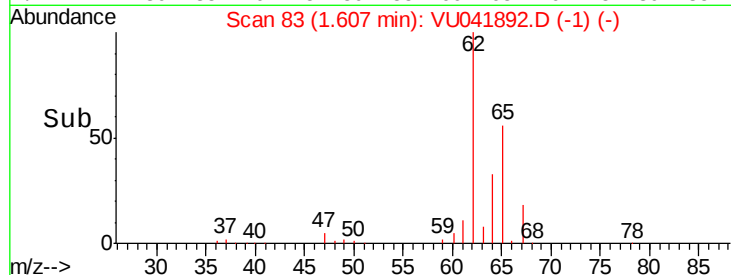
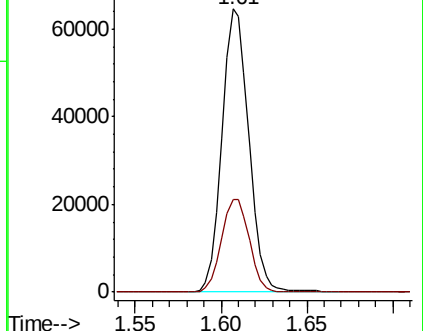
62 100

64 32.8 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) (-)



#6

Bromomethane

Concen: 5.564 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041892.D

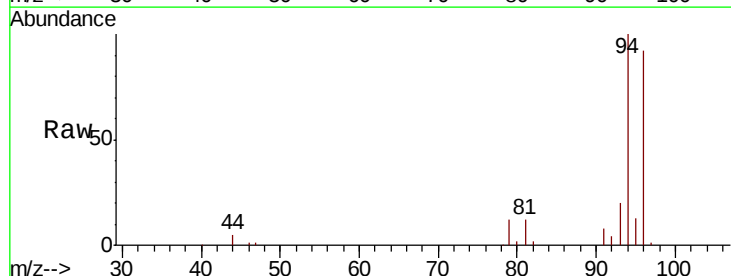
Acq: 08 Jan 2021 09:43

Tgt Ion: 94 Resp: 46904

Ion Ratio Lower Upper

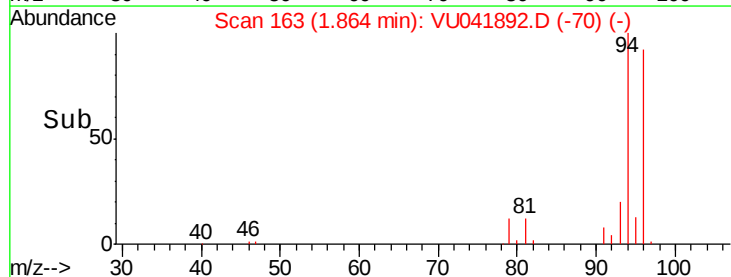
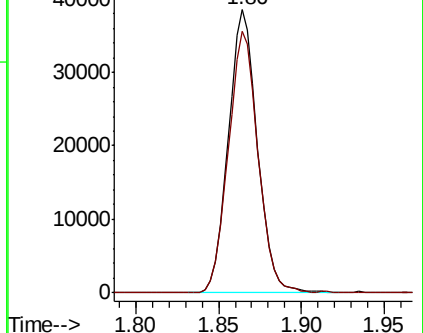
94 100

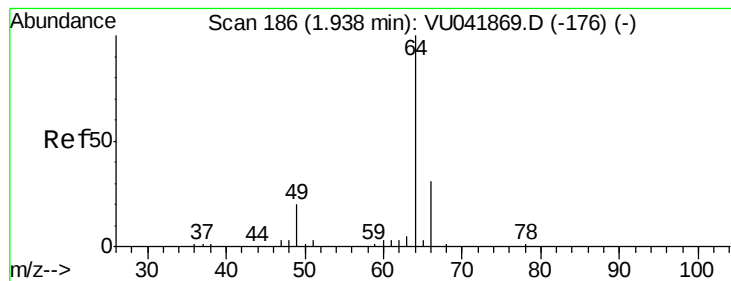
96 92.2 65.7 121.9



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

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





#8

Chloroethane

Concen: 4.878 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

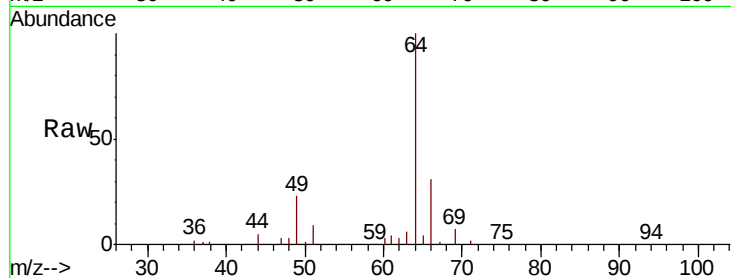
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 44676

Ion Ratio Lower Upper

64 100

66 30.8 21.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VU041869.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU041869.D (-176) (-)

1.94

40000

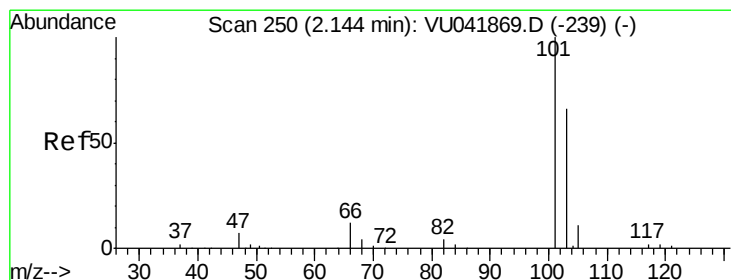
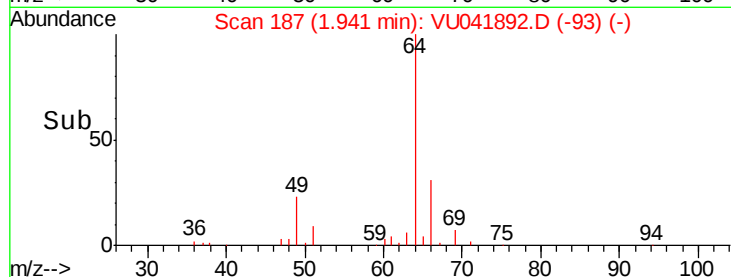
30000

20000

10000

0

Time-->



#9

Trichlorofluoromethane

Concen: 6.013 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041892.D

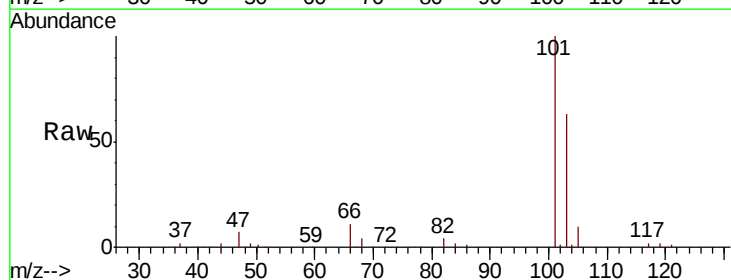
Acq: 08 Jan 2021 09:43

Tgt Ion:101 Resp: 102625

Ion Ratio Lower Upper

101 100

103 63.2 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU041869.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU041869.D (-239) (-)

2.15

80000

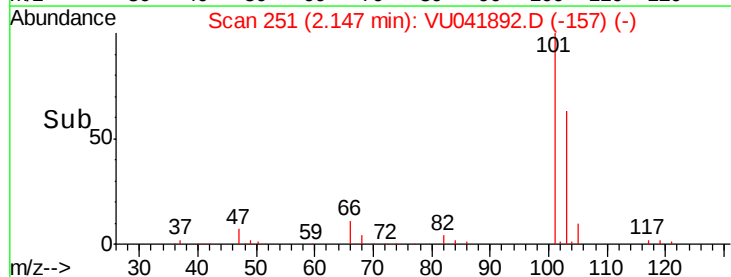
60000

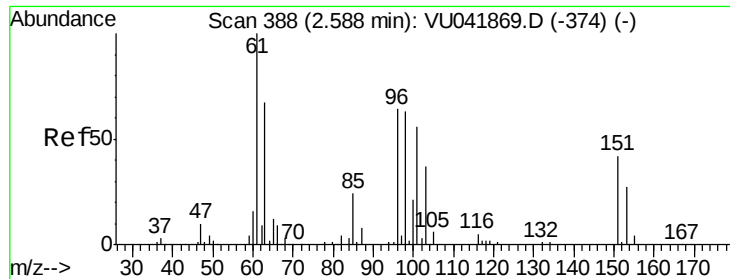
40000

20000

0

Time-->





#10

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

Concen: 5.572 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

Instrument :

MSVOA_U

ClientSampleId :

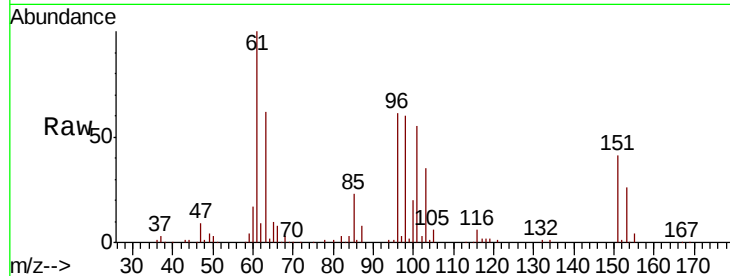
Tot Ion:101 Resp: 56872

Ion Ratio Lower Upper

101 100

85 40.7 33.6 50.4

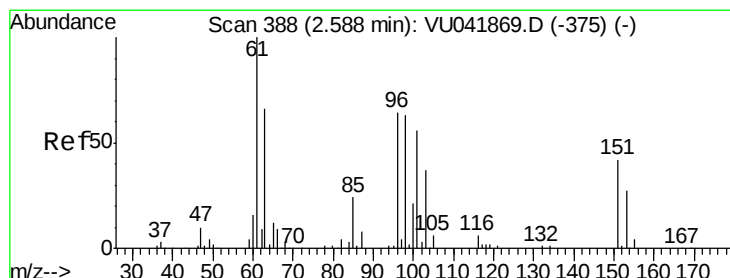
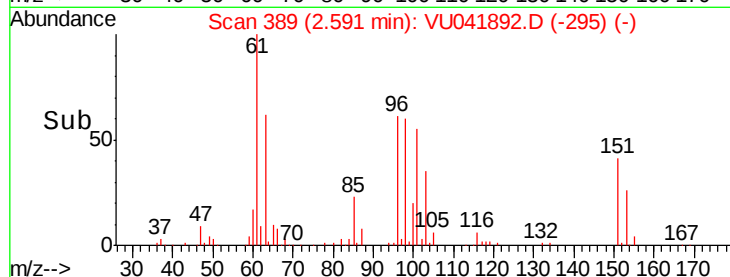
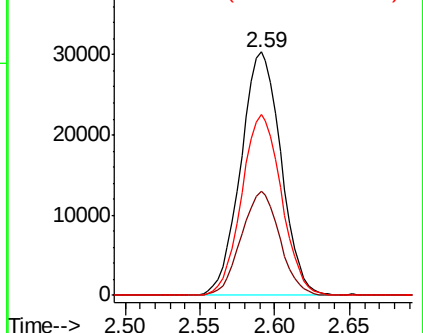
151 73.4 56.2 84.4



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: 5.481 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

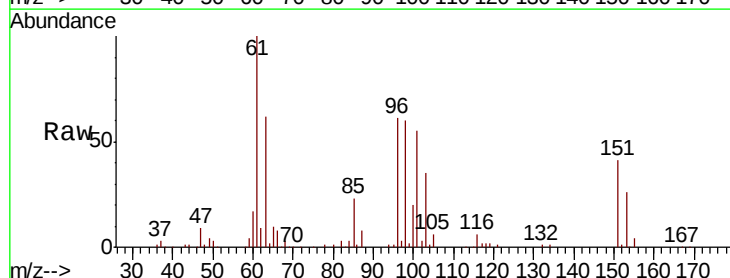
Tgt Ion: 96 Resp: 55161

Ion Ratio Lower Upper

96 100

61 163.8 123.8 230.0

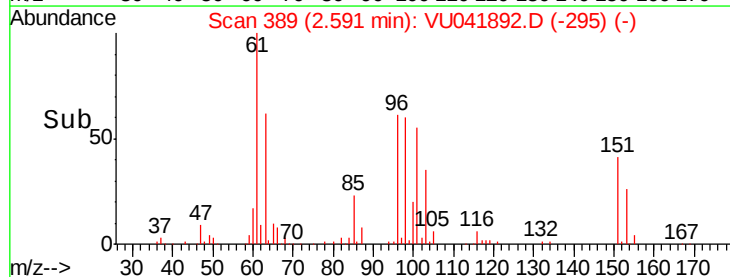
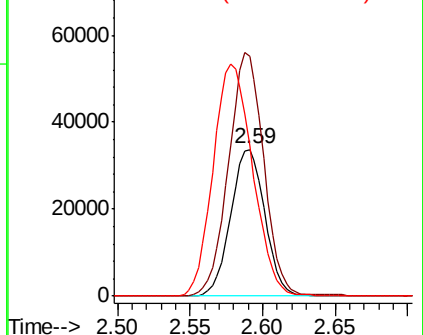
63 102.3 81.0 150.4

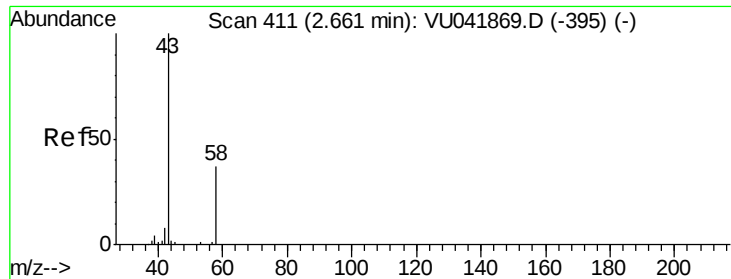


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.912 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

Instrument :

MSVOA_U

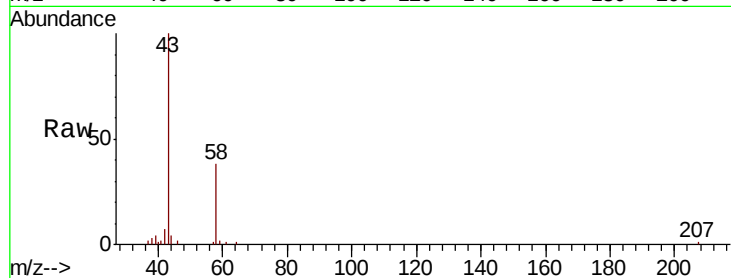
ClientSampleId :

Tot Ion: 43 Resp: 99419

Ion Ratio Lower Upper

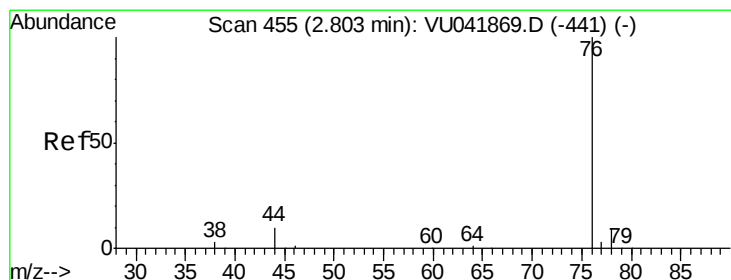
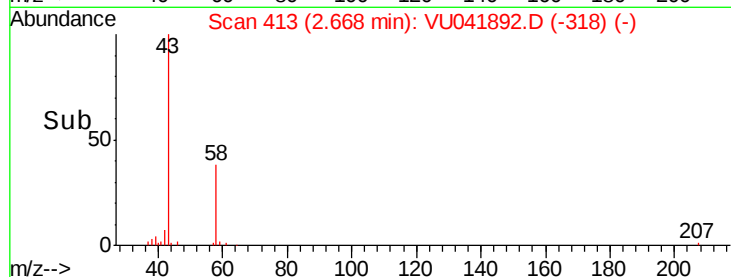
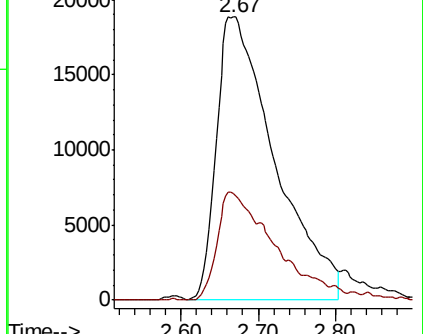
43 100

58 36.7 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041892.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041892.D (-395) (-)



#14

Carbon disulfide

Concen: 5.106 ug/L

RT: 2.80 min Scan# 455

Delta R.T. 0.00 min

Lab File: VU041892.D

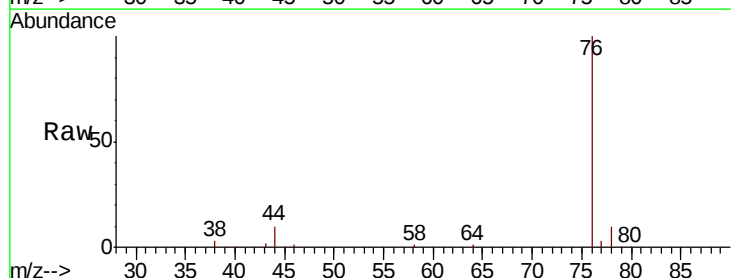
Acq: 08 Jan 2021 09:43

Tgt Ion: 76 Resp: 177597

Ion Ratio Lower Upper

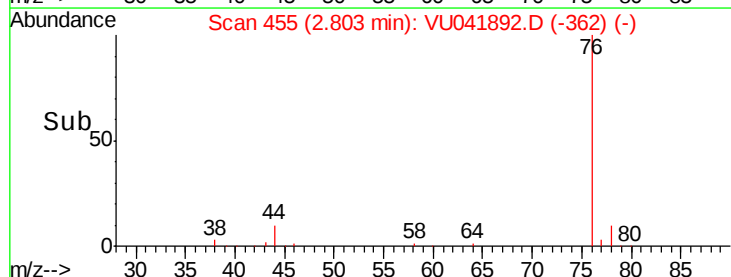
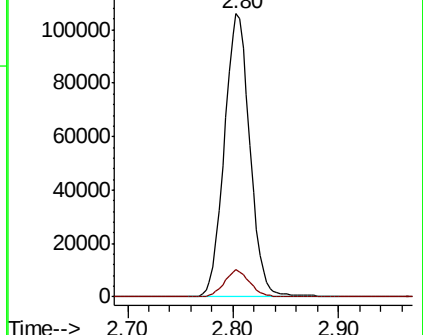
76 100

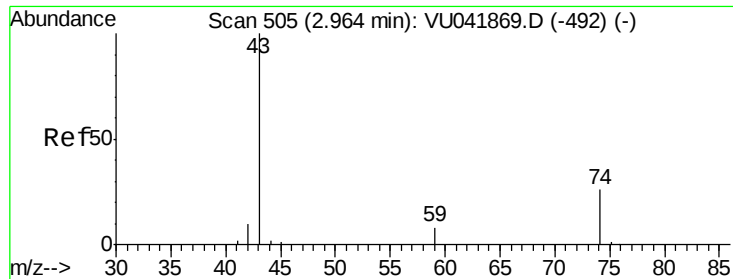
78 9.6 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU041892.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VU041892.D (-362) (-)

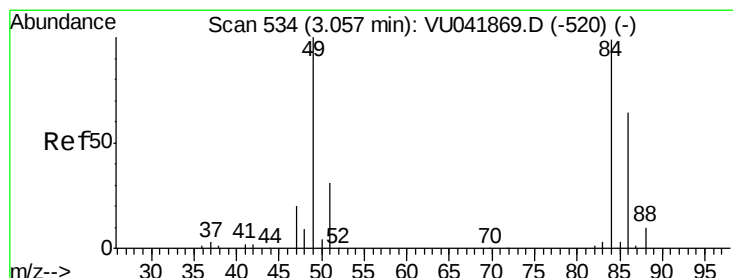
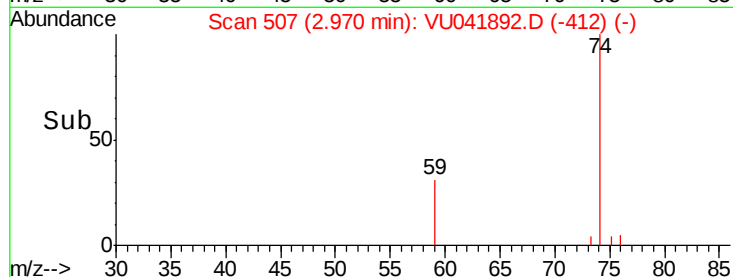
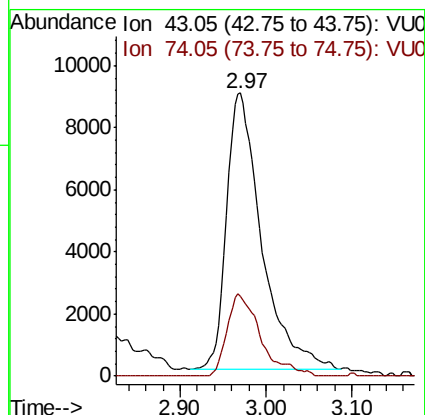
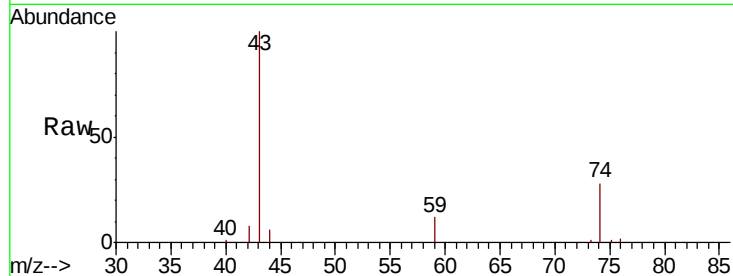




#15
Methvl Acetate
Concen: 4.597 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.01 min
Lab File: VU041892.D
Acq: 08 Jan 2021 09:43

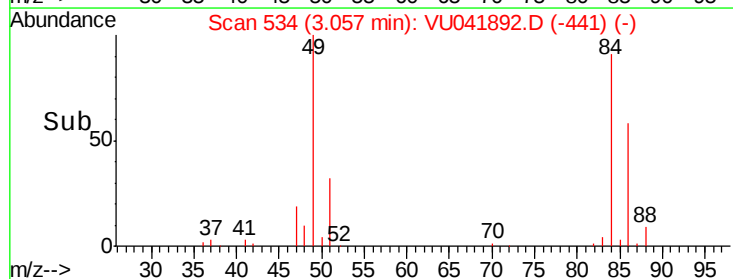
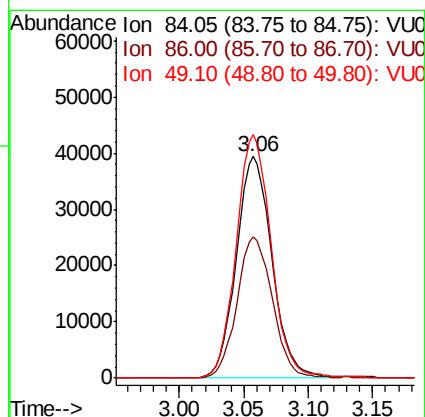
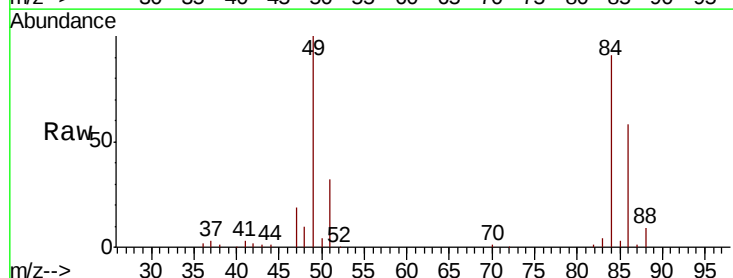
Instrument :
MSVOA_U
ClientSampleId :

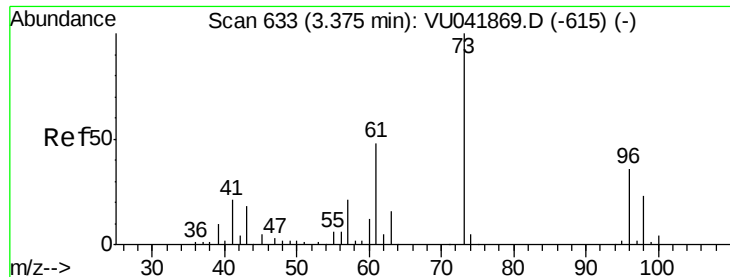
Tot Ion: 43 Resp: 25328
Ion Ratio Lower Upper
43 100
74 28.4 19.2 28.8



#16
Methylene chloride
Concen: 6.339 ug/L
RT: 3.06 min Scan# 534
Delta R.T. 0.00 min
Lab File: VU041892.D
Acq: 08 Jan 2021 09:43

Tgt Ion: 84 Resp: 76196
Ion Ratio Lower Upper
84 100
86 63.9 45.1 83.7
49 109.8 83.1 154.3

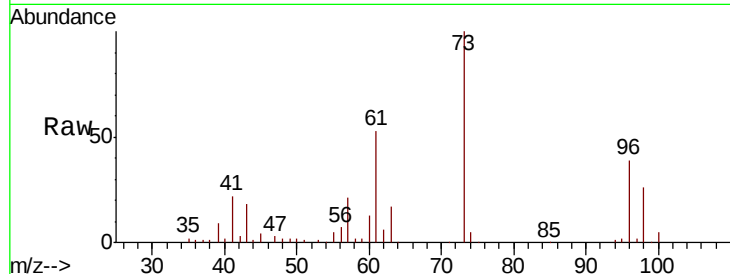




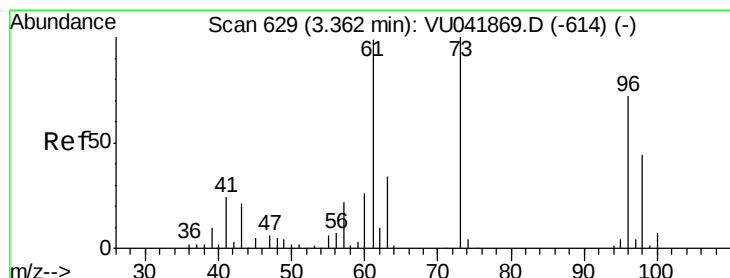
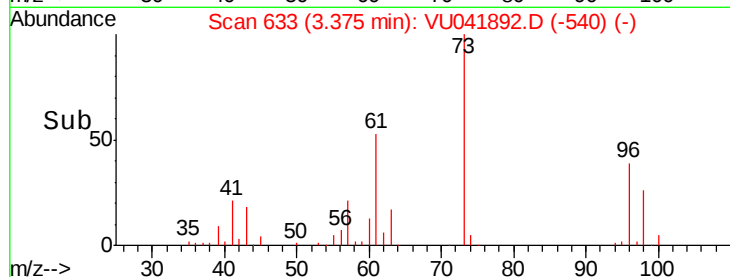
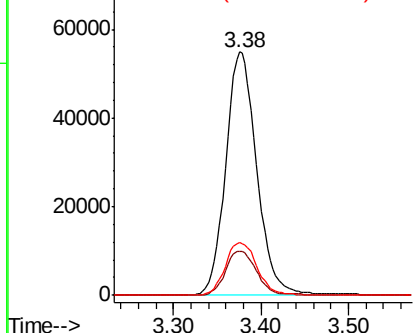
#17
Methvl tert-butvl Ether
Concen: 5.041 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.00 min
Lab File: VU041892.D
Acq: 08 Jan 2021 09:43

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 135380
Ion Ratio Lower Upper
73 100
43 18.0 14.7 22.1
57 22.3 18.2 27.4

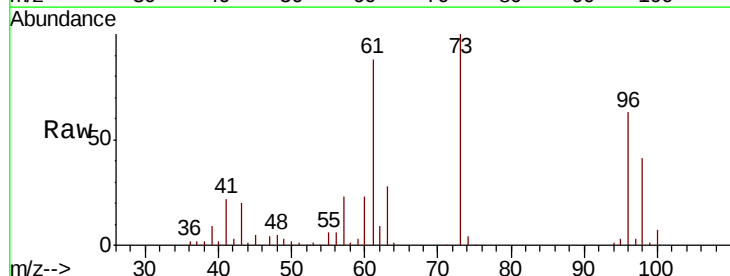


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

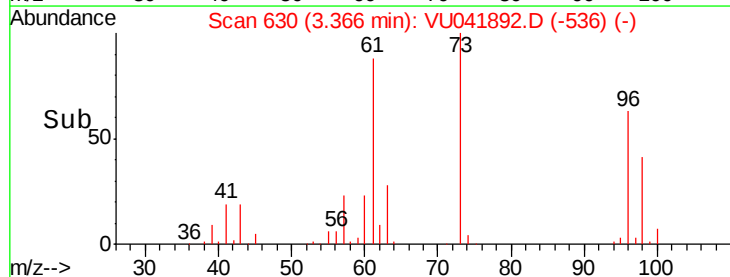
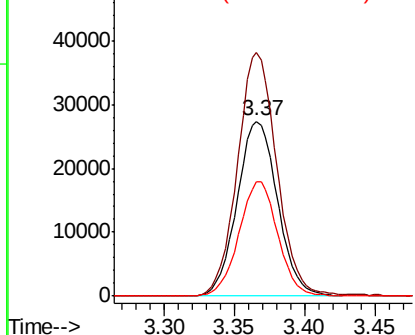


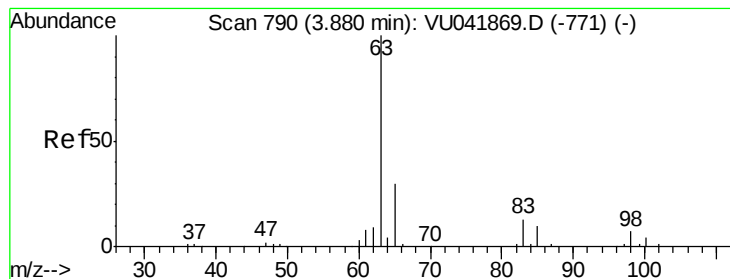
#18
trans-1,2-Dichloroethene
Concen: 5.284 ug/L
RT: 3.37 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU041892.D
Acq: 08 Jan 2021 09:43

Tgt Ion: 96 Resp: 55010
Ion Ratio Lower Upper
96 100
61 139.1 101.8 189.0
98 65.3 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: 5.172 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.01 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

Instrument :

MSVOA_U

ClientSampled :

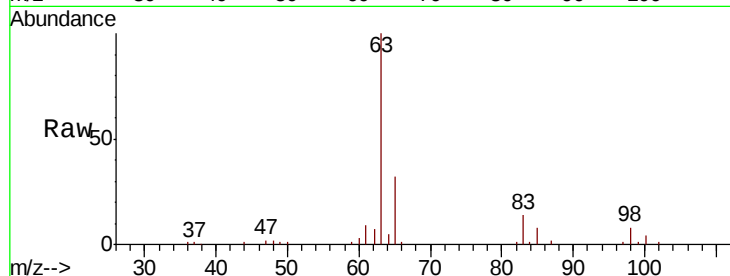
Tot Ion: 63 Resp: 100637

Ion Ratio Lower Upper

63 100

65 32.1 21.3 39.6

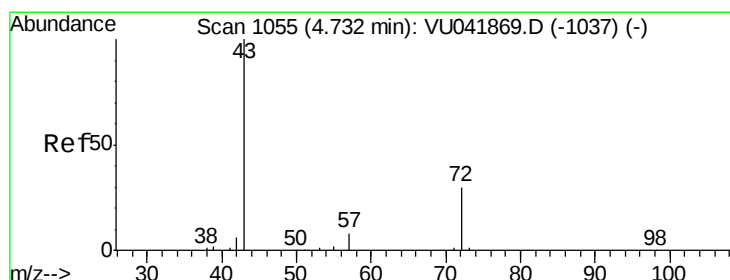
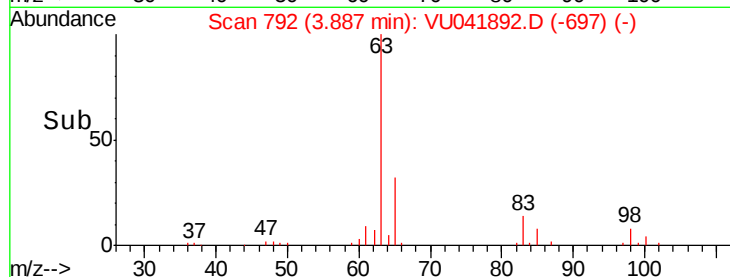
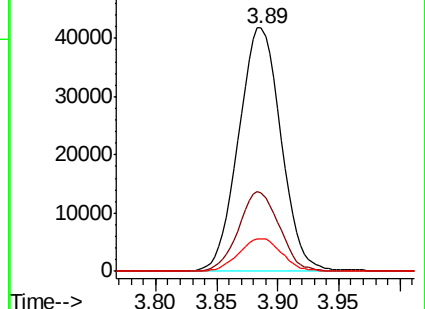
83 13.6 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU041892.D (-697) (-)

Ion 65.10 (64.80 to 65.80): VU041892.D (-697) (-)

Ion 83.05 (82.75 to 83.75): VU041892.D (-697) (-)



#21

2-Butanone

Concen: 48.527 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU041892.D

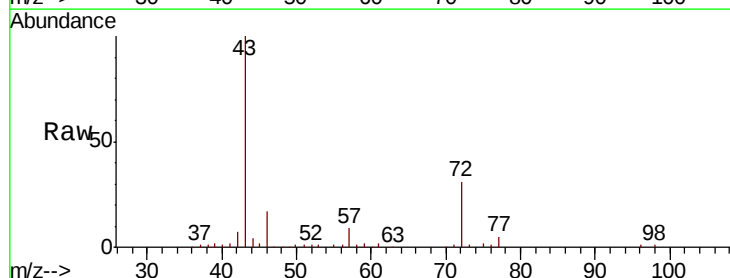
Acq: 08 Jan 2021 09:43

Tgt Ion: 43 Resp: 167512

Ion Ratio Lower Upper

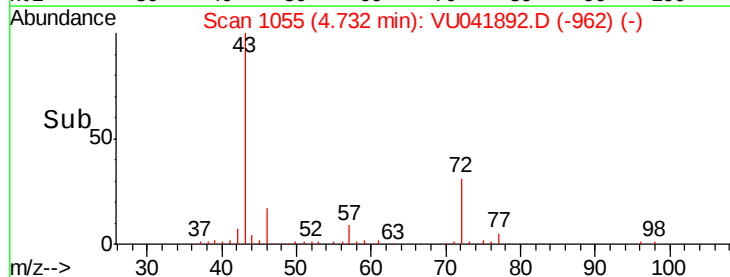
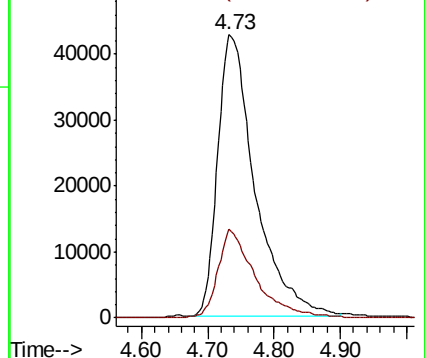
43 100

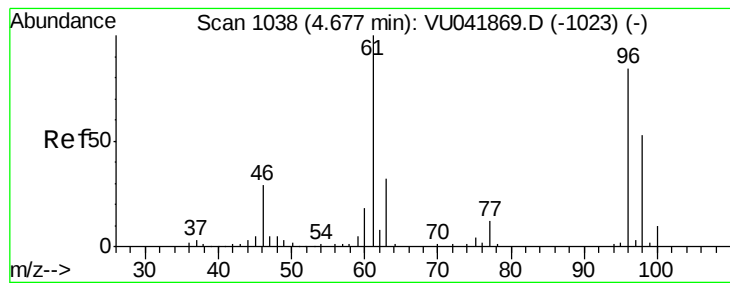
72 31.2 14.6 44.0



Abundance Ion 43.05 (42.75 to 43.75): VU041892.D (-962) (-)

Ion 72.10 (71.80 to 72.80): VU041892.D (-962) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.168 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

Instrument :

MSVOA_U

ClientSampleId :

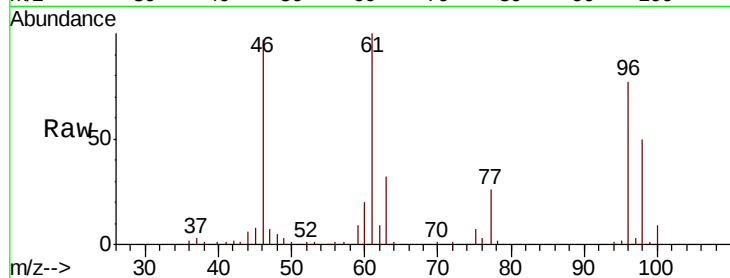
Tot Ion: 96 Resp: 59457

Ion Ratio Lower Upper

96 100

61 129.4 88.8 165.0

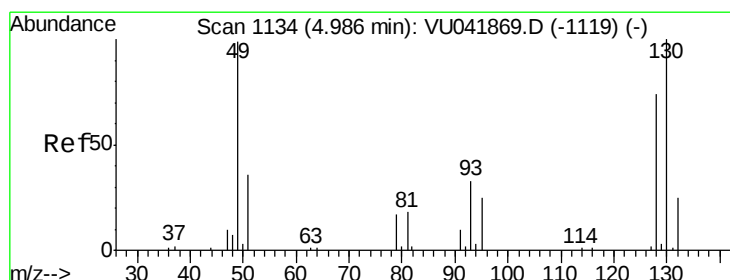
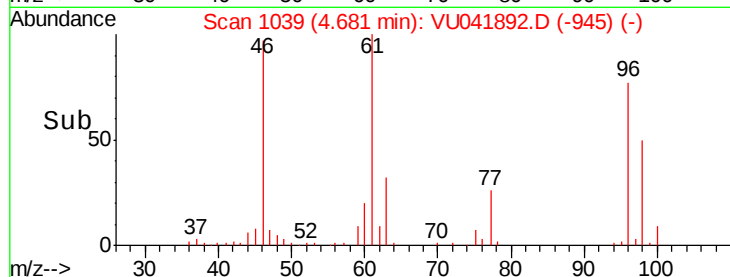
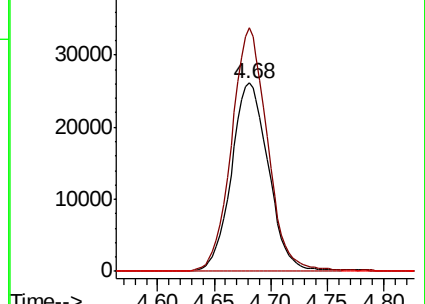
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041892.D (-1041) (-)

Ion 61.05 (60.75 to 61.75): VU041892.D (-1041) (-)

Ion 68.15 (67.85 to 68.85): VU041892.D (-1041) (-)



#23

Bromochloromethane

Concen: 5.456 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

Tgt Ion: 128 Resp: 28834

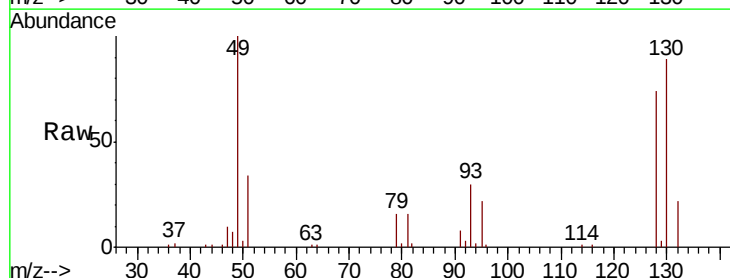
Ion Ratio Lower Upper

128 100

49 135.2 109.3 203.1

130 120.3 84.8 157.6

51 45.8 40.6 61.0

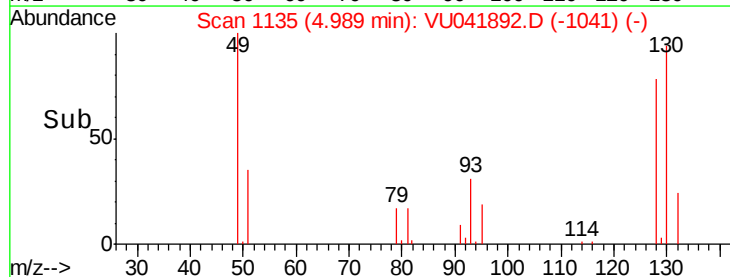
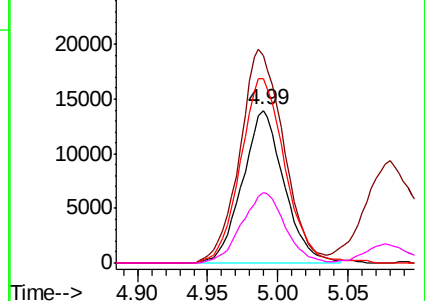


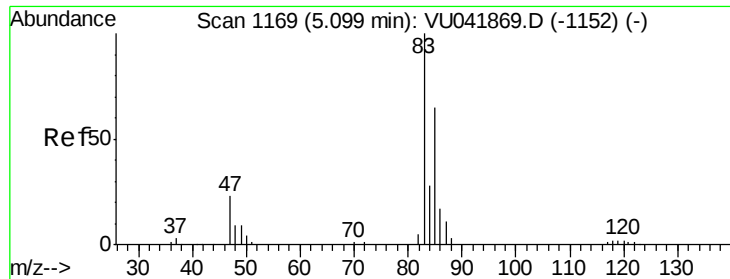
Abundance Ion 127.90 (127.60 to 128.60): VU041892.D (-1041) (-)

Ion 49.10 (48.80 to 49.80): VU041892.D (-1041) (-)

Ion 129.95 (129.65 to 130.65): VU041892.D (-1041) (-)

Ion 51.05 (50.75 to 51.75): VU041892.D (-1041) (-)

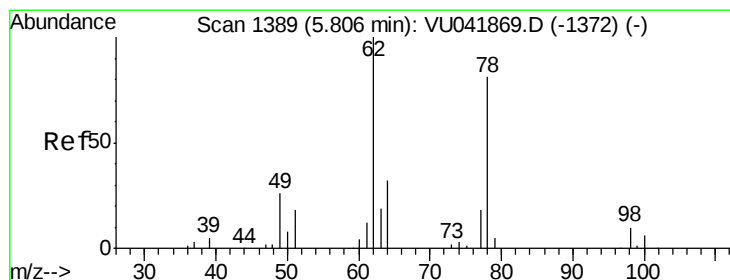
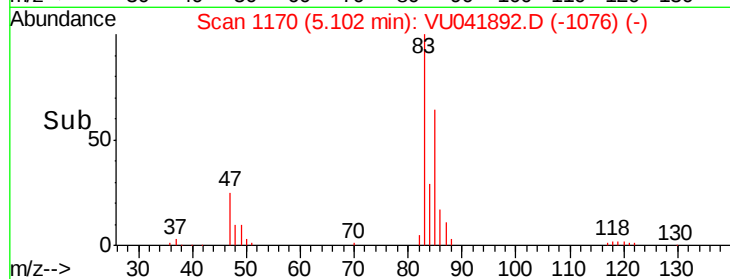
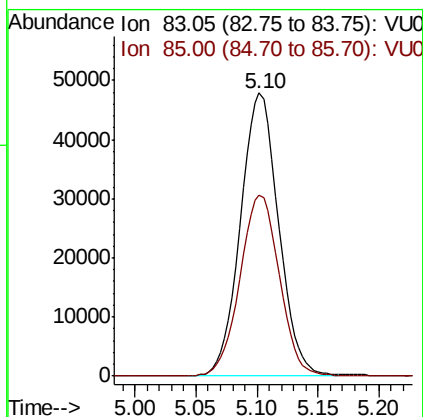
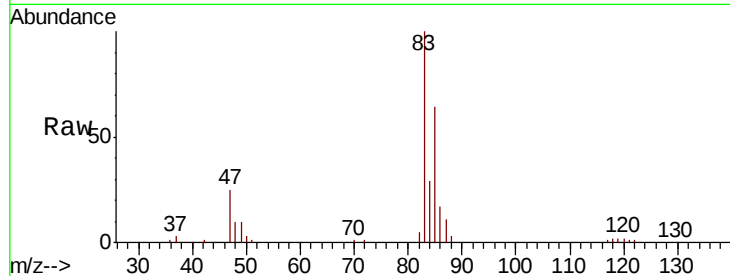




#25
Chloroform
Concen: 5.275 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VU041892.D
Acq: 08 Jan 2021 09:43

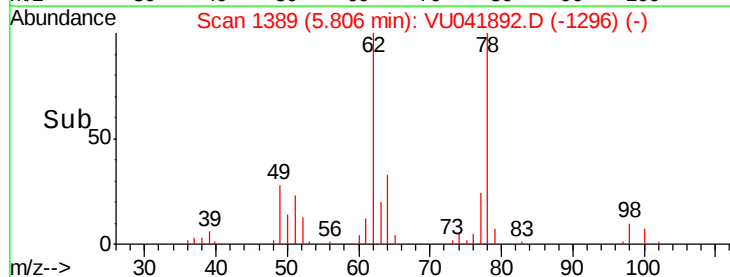
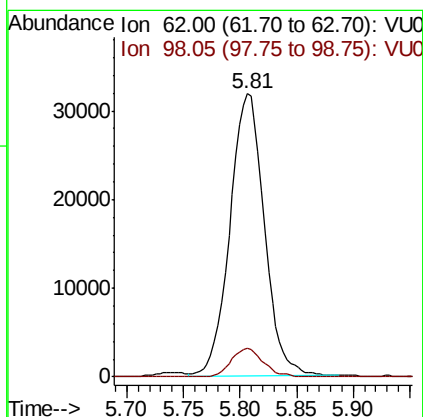
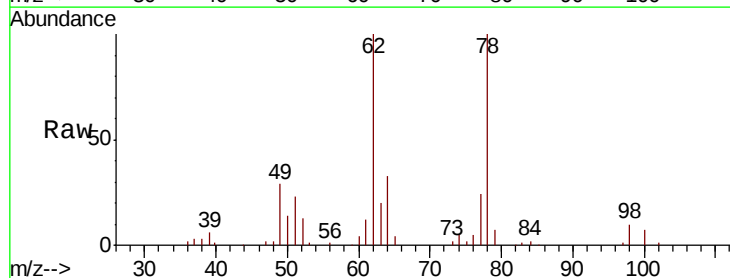
Instrument :
MSVOA_U
ClientSampled :

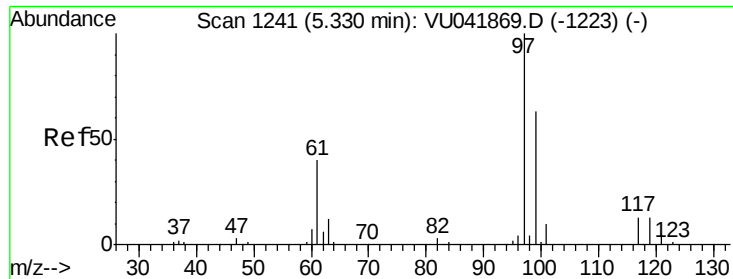
Tot Ion: 83 Resp: 103357
Ion Ratio Lower Upper
83 100
85 64.1 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.106 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU041892.D
Acq: 08 Jan 2021 09:43

Tgt Ion: 62 Resp: 67745
Ion Ratio Lower Upper
62 100
98 10.3 8.2 12.2

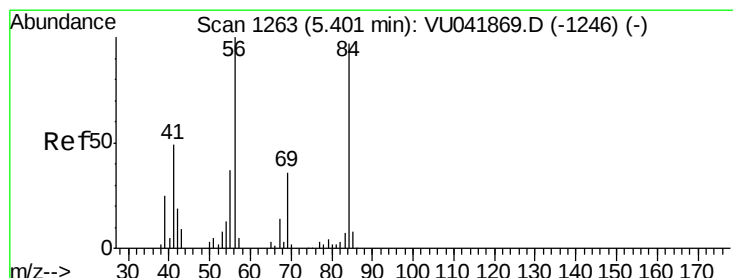
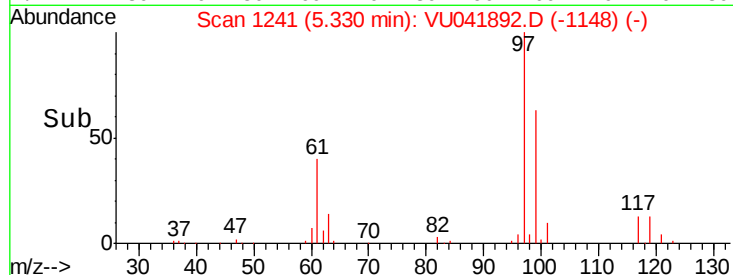
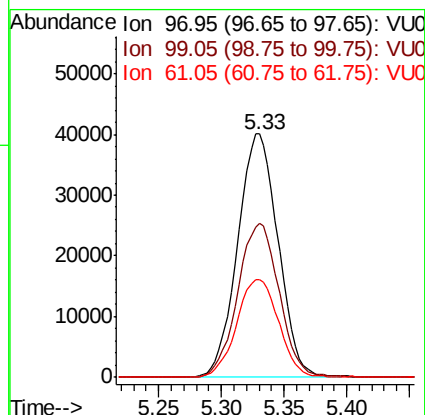
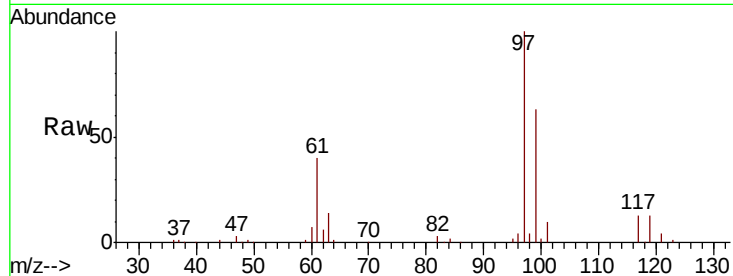




#29
 1,1,1-Trichloroethane
 Concen: 5.798 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VU041892.D
 Acq: 08 Jan 2021 09:43

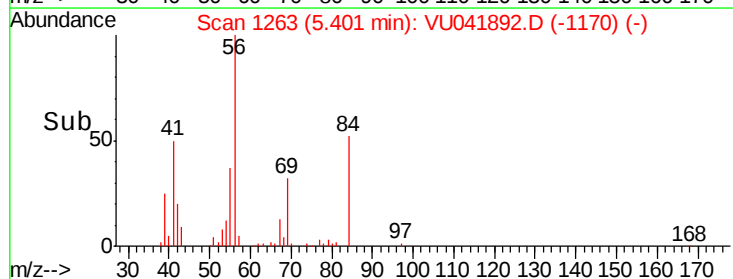
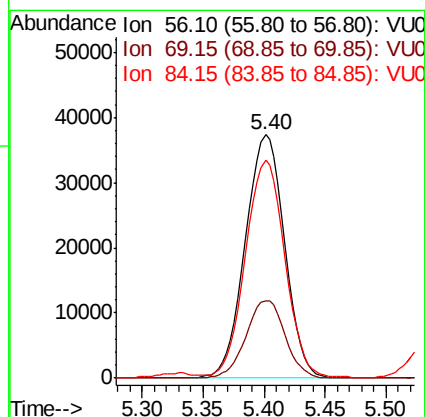
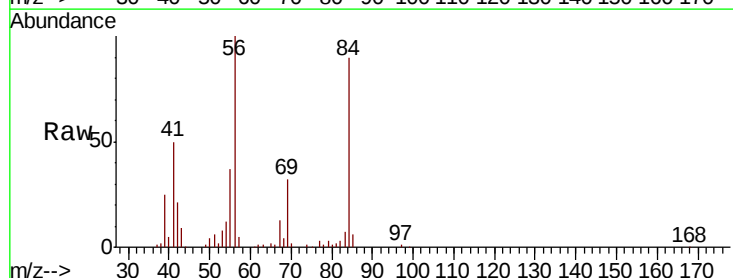
Instrument :
 MSVOA_U
 ClientSampleId :

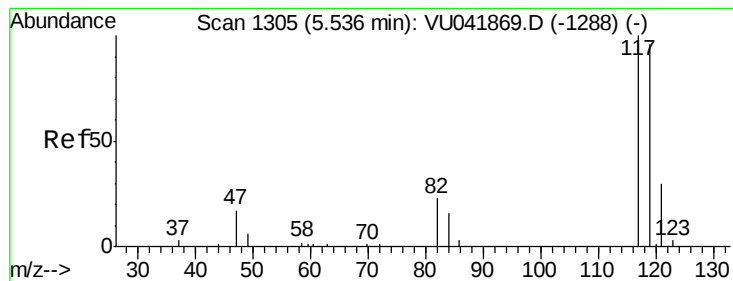
Tot Ion: 97 Resp: 89932
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.3 76.9
 61 41.9 36.5 54.7



#30
 Cyclohexane
 Concen: 4.781 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VU041892.D
 Acq: 08 Jan 2021 09:43

Tgt Ion: 56 Resp: 83109
 Ion Ratio Lower Upper
 56 100
 69 31.7 23.8 35.8
 84 90.3 66.2 99.4





#31

Carbon tetrachloride

Concen: 5.870 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

Instrument :

MSVOA_U

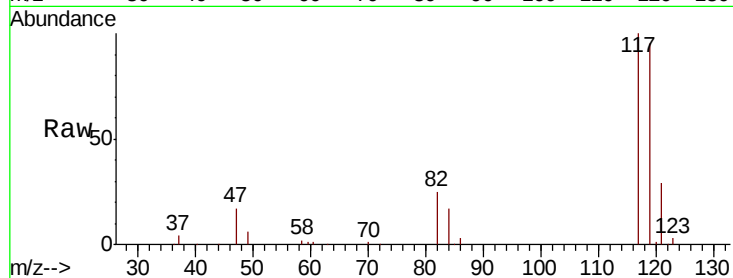
ClientSampleId :

Tot Ion:117 Resp: 78729

Ion Ratio Lower Upper

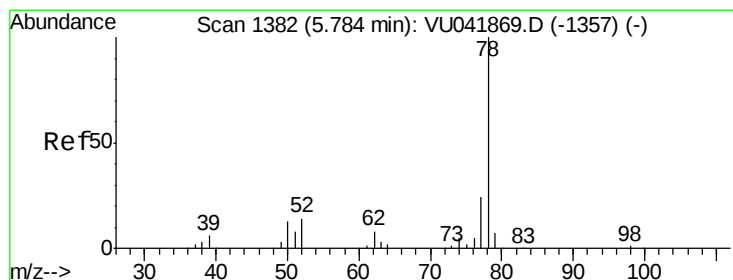
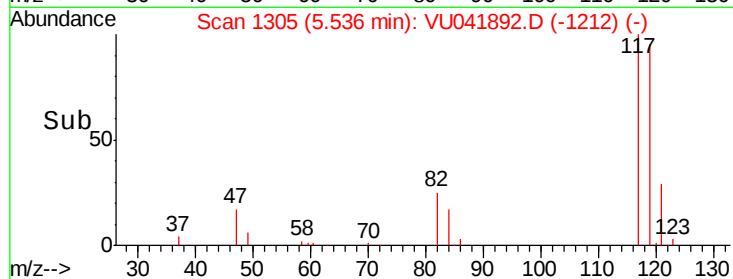
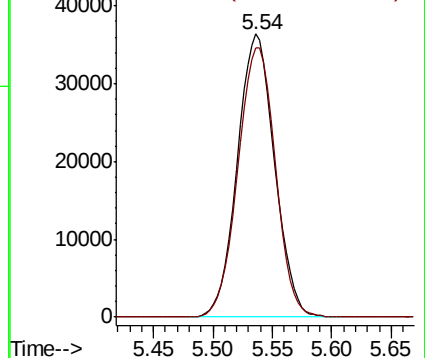
117 100

119 96.2 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: 5.167 ug/L

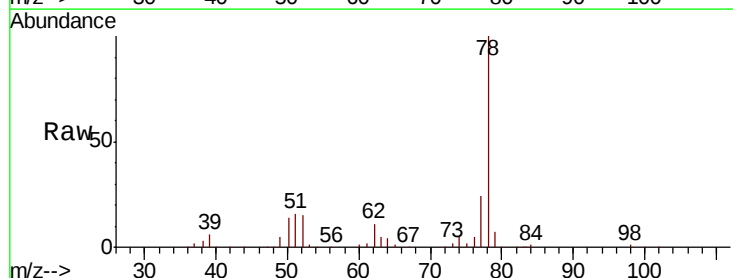
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

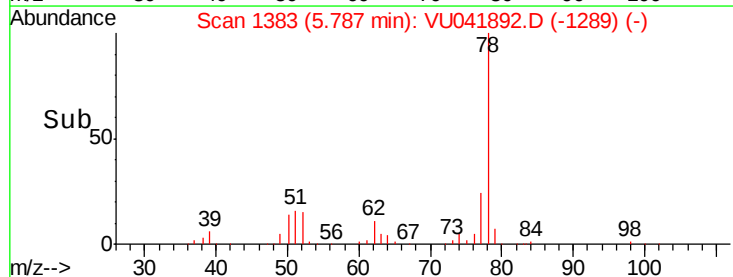
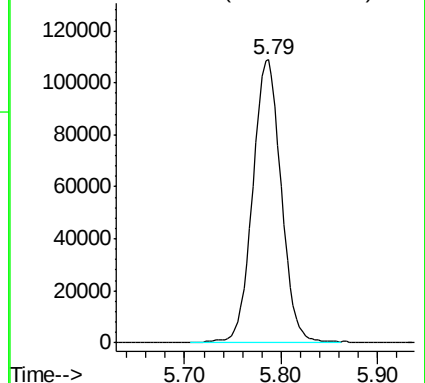
Lab File: VU041892.D

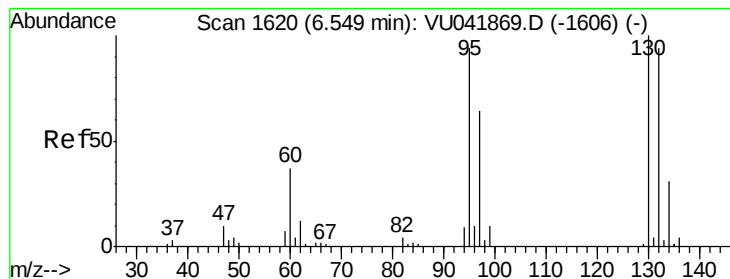
Acq: 08 Jan 2021 09:43

Tgt Ion: 78 Resp: 223175



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.354 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 58110

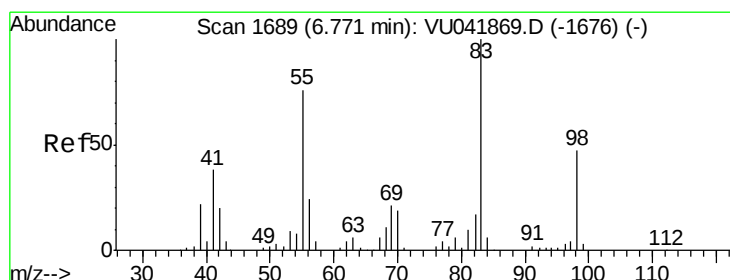
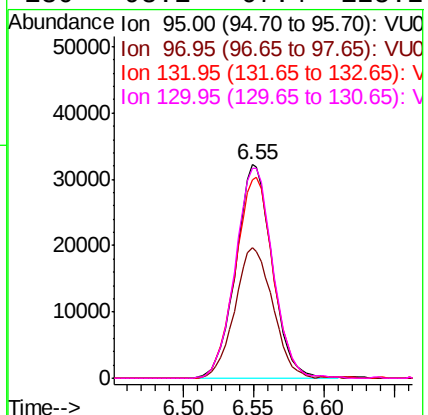
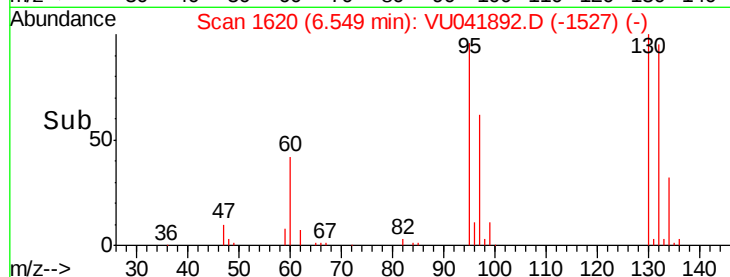
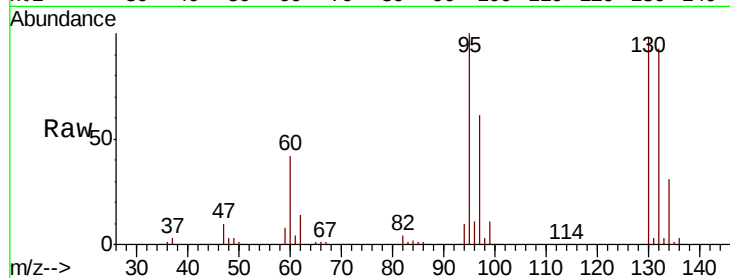
Ion Ratio Lower Upper

95 100

97 60.9 43.9 81.5

132 93.0 63.1 117.3

130 98.1 67.4 125.2



#35

Methylcyclohexane

Concen: 4.846 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

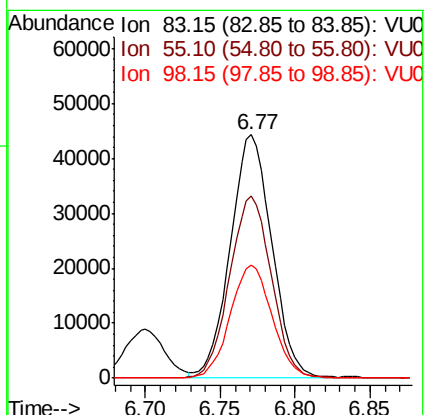
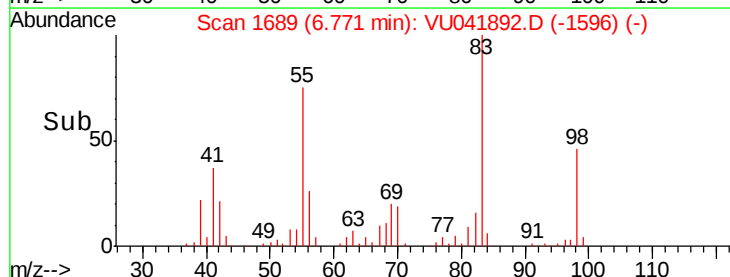
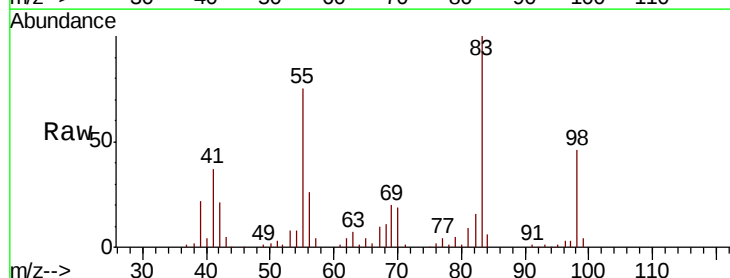
Tgt Ion: 83 Resp: 85028

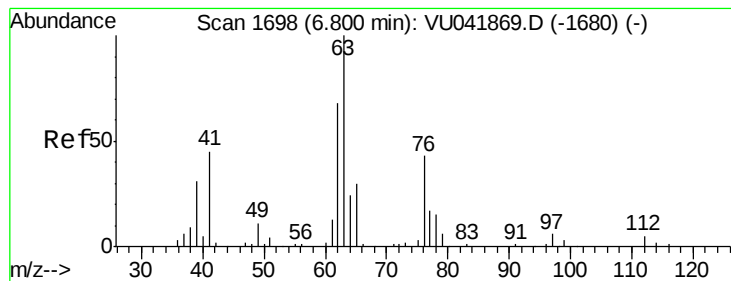
Ion Ratio Lower Upper

83 100

55 75.8 61.2 91.8

98 47.3 36.6 54.8





#37

1,2-Dichloropropane

Concen: 5.160 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

Instrument :

MSVOA_U

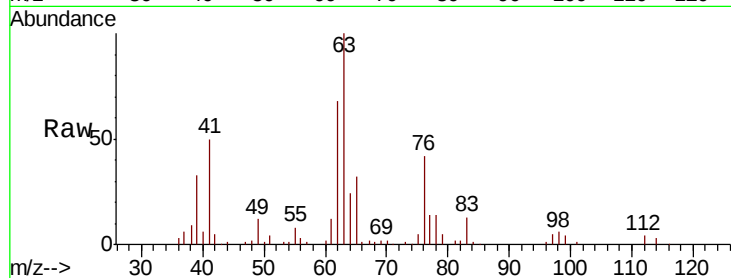
ClientSampled :

Tot Ion: 63 Resp: 57008

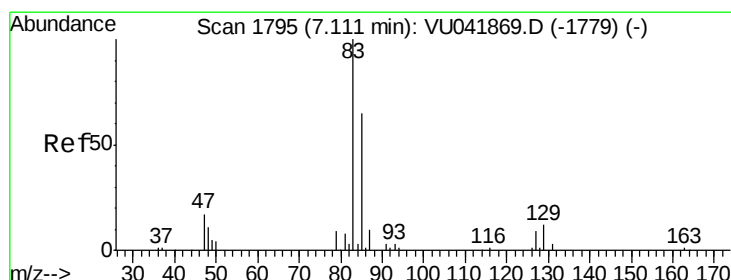
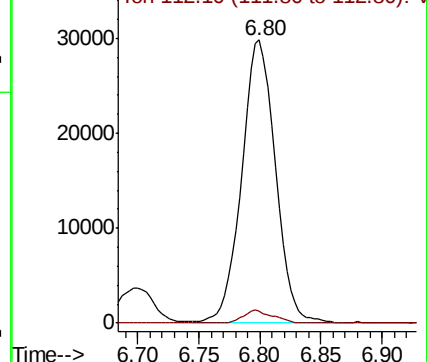
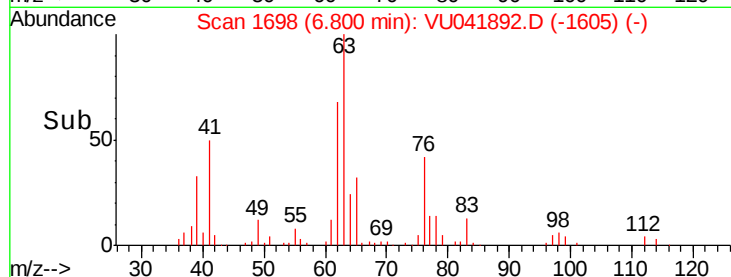
Ion Ratio Lower Upper

63 100

112 4.0 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU041892.D (-1605) (-)



#38

Bromodichloromethane

Concen: 5.352 ug/L

RT: 7.11 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

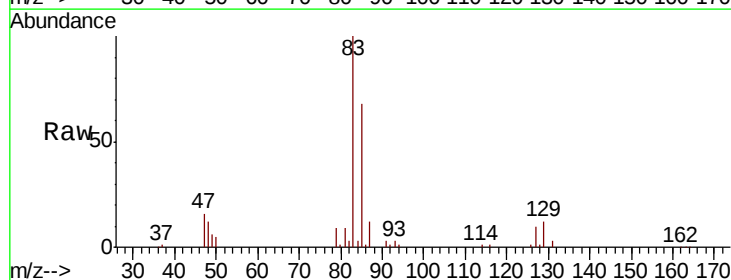
Tgt Ion: 83 Resp: 73558

Ion Ratio Lower Upper

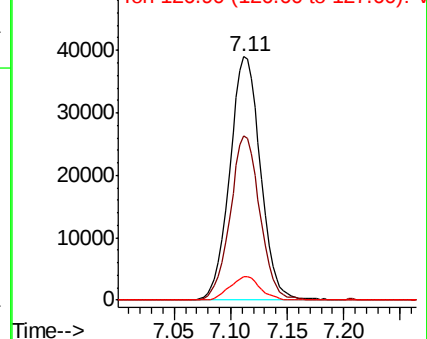
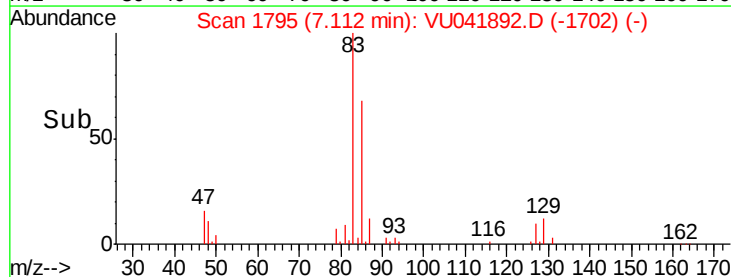
83 100

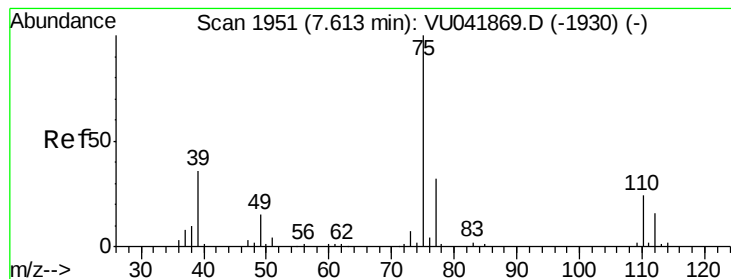
85 67.7 45.5 84.5

127 9.6 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VU041892.D (-1702) (-)



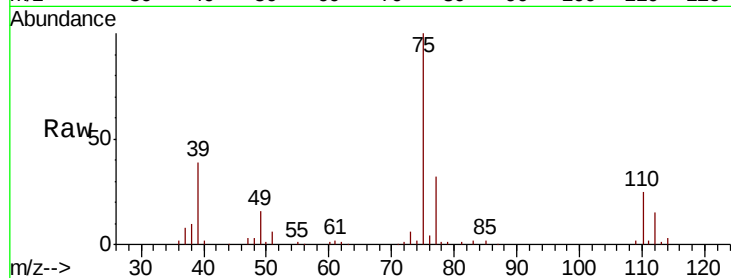


#39

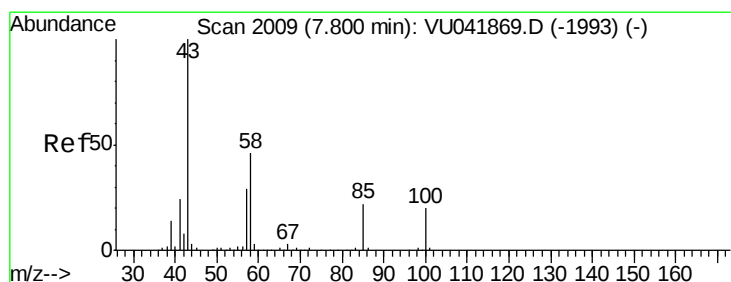
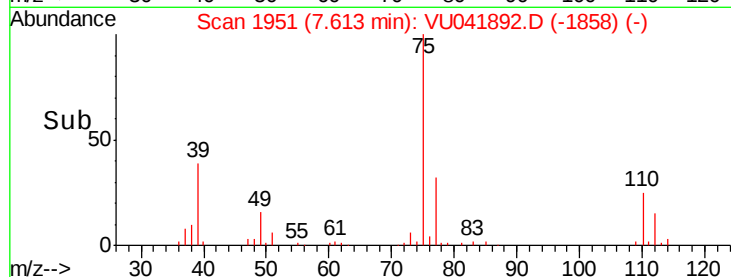
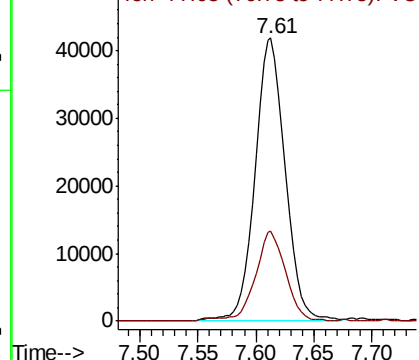
cis-1,3-Dichloropropene
Concen: 4.656 ug/L
RT: 7.61 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VU041892.D
Acq: 08 Jan 2021 09:43

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 76222
Ion Ratio Lower Upper
75 100
77 31.7 22.3 41.3



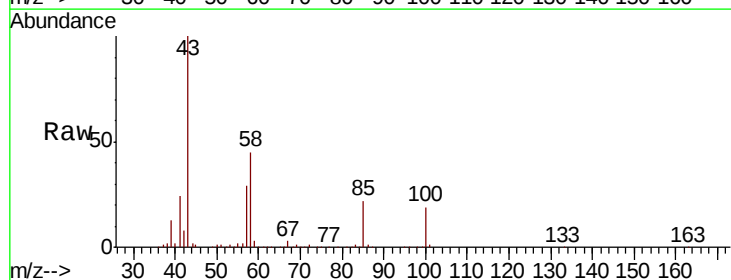
Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



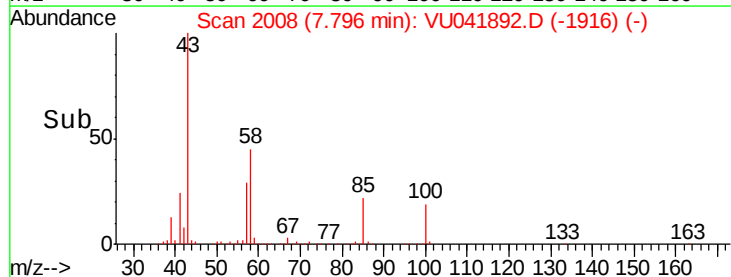
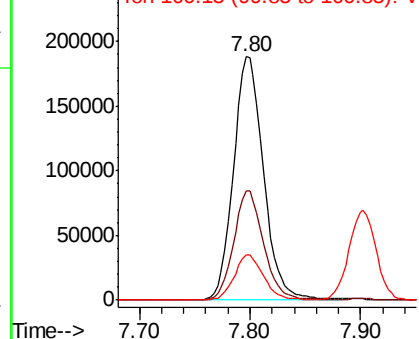
#40

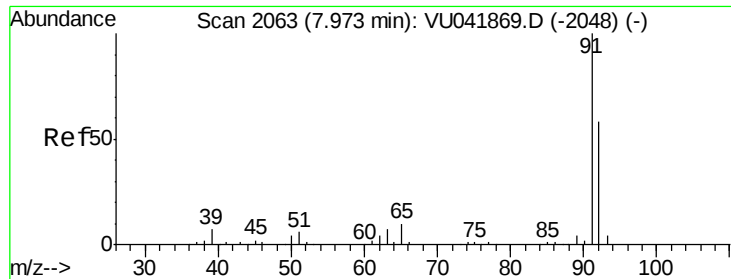
4-Methyl-2-pentanone
Concen: 45.278 ug/L
RT: 7.80 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU041892.D
Acq: 08 Jan 2021 09:43

Tgt Ion: 43 Resp: 355952
Ion Ratio Lower Upper
43 100
58 44.5 34.2 51.2
100 18.2 12.3 18.5



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





#42

Toluene

Concen: 5.234 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

Instrument :

MSVOA_U

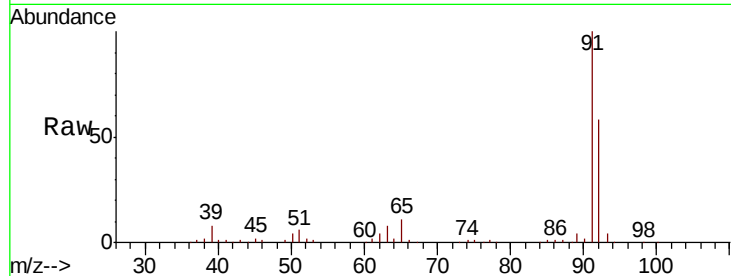
ClientSampleId :

Tot Ion: 91 Resp: 233421

Ion Ratio Lower Upper

91 100

92 58.1 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041869.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU041869.D (-2048) (-)

7.97

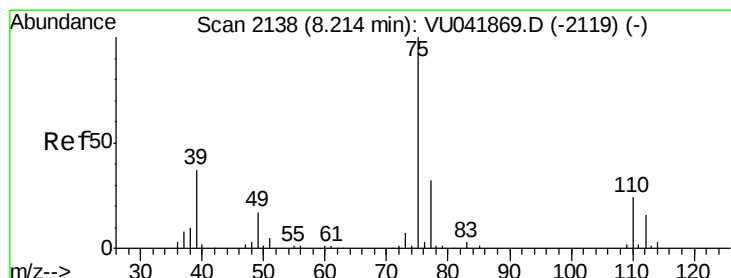
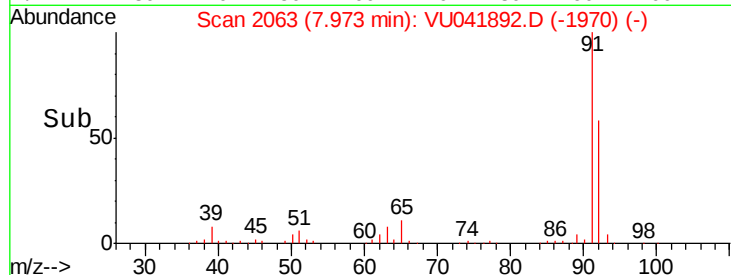
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.890 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041892.D

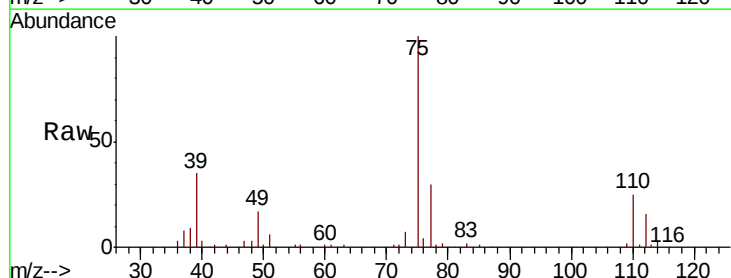
Acq: 08 Jan 2021 09:43

Tgt Ion: 75 Resp: 71593

Ion Ratio Lower Upper

75 100

77 30.1 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041869.D (-2119) (-)

Ion 77.05 (76.75 to 77.75): VU041869.D (-2119) (-)

8.21

40000

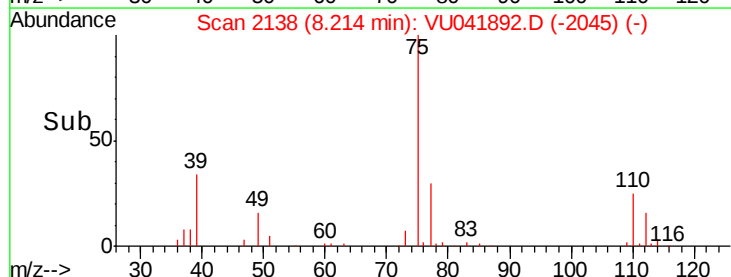
30000

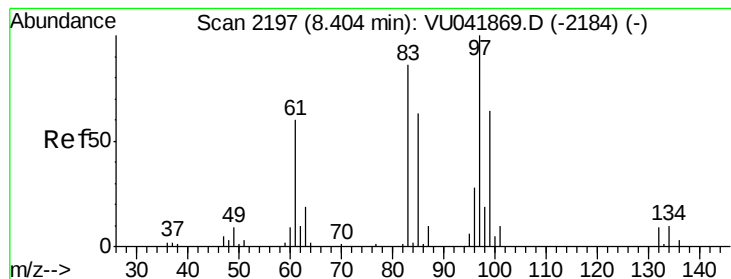
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.273 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 43083

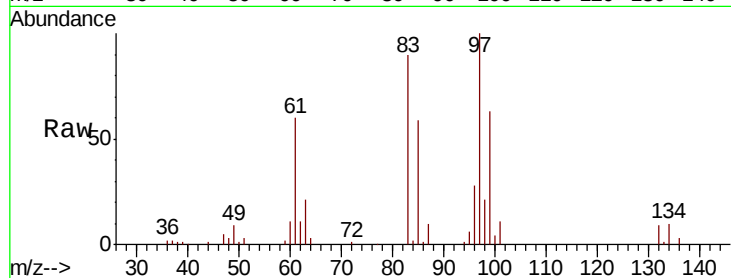
Ion Ratio Lower Upper

97 100

99 62.6 42.1 78.3

83 89.5 62.6 116.2

85 59.1 39.1 72.7

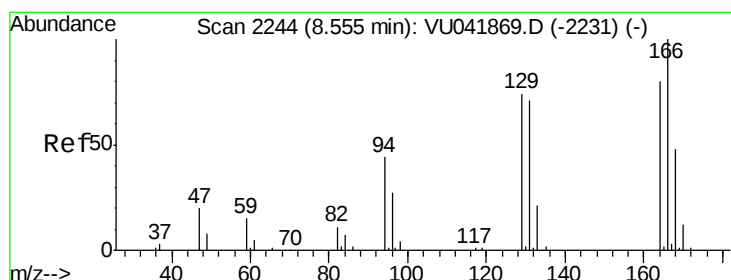
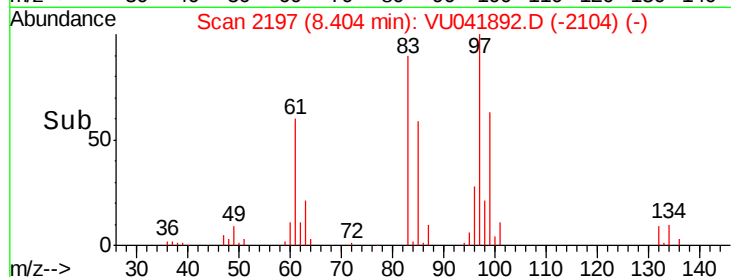
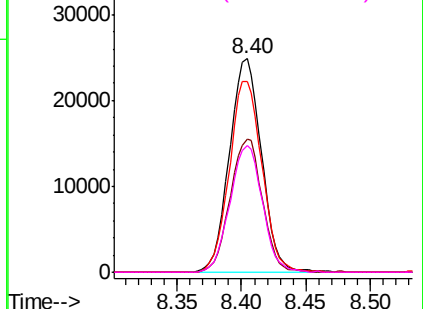


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.647 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

Tgt Ion: 164 Resp: 42906

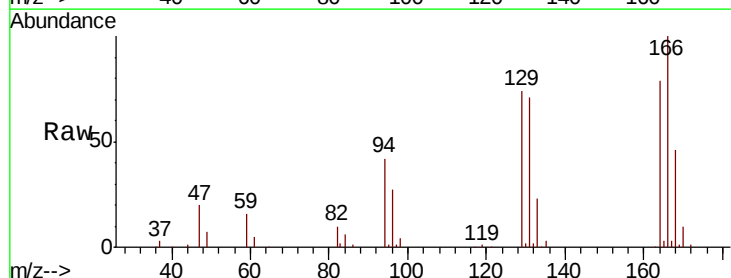
Ion Ratio Lower Upper

164 100

129 94.2 72.2 134.0

131 90.6 66.9 124.3

166 126.9 89.6 166.4

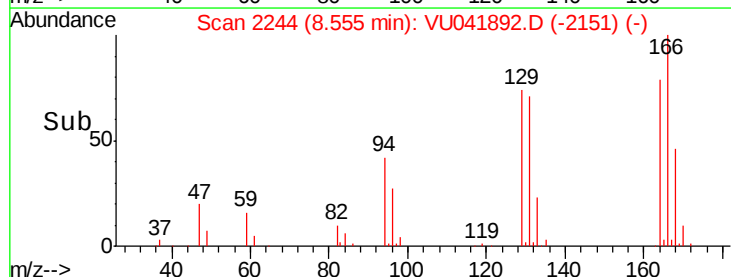
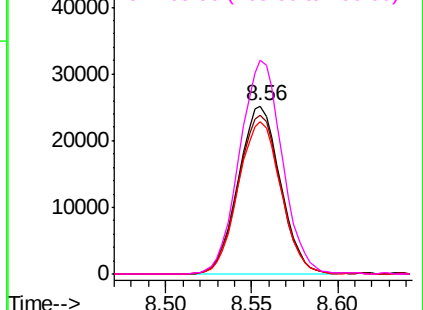


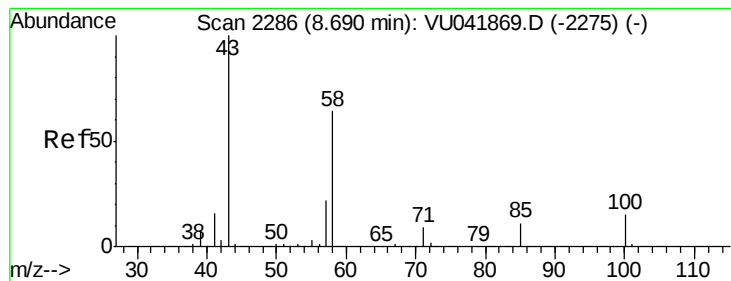
Abundance Ion 163.90 (163.60 to 164.60): V

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: 42.632 ug/L

RT: 8.69 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 243917

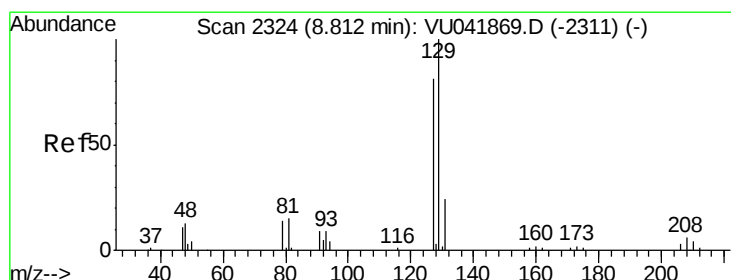
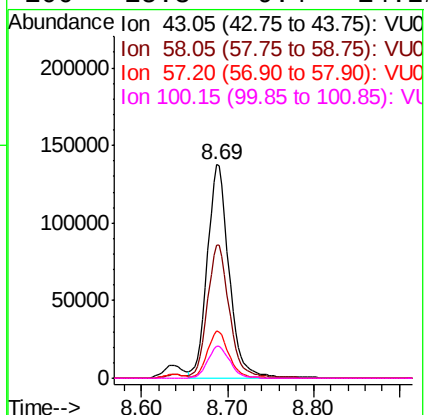
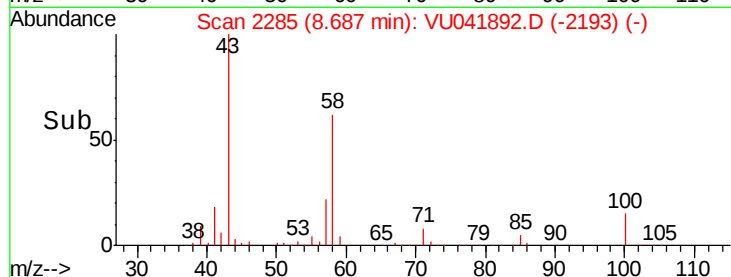
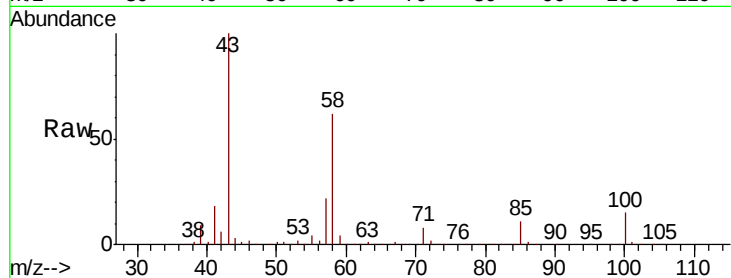
Ion Ratio Lower Upper

43 100

58 63.7 47.9 71.9

57 22.1 16.5 24.7

100 15.3 9.4 14.2#



#49

Dibromochloromethane

Concen: 5.687 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. 0.00 min

Lab File: VU041892.D

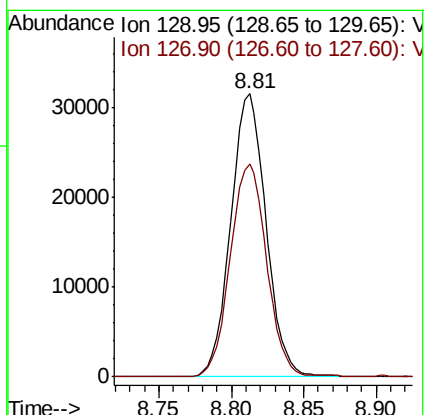
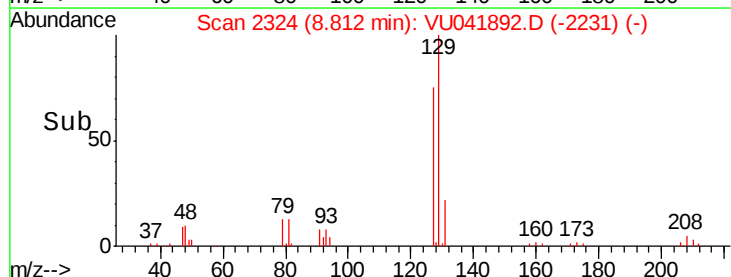
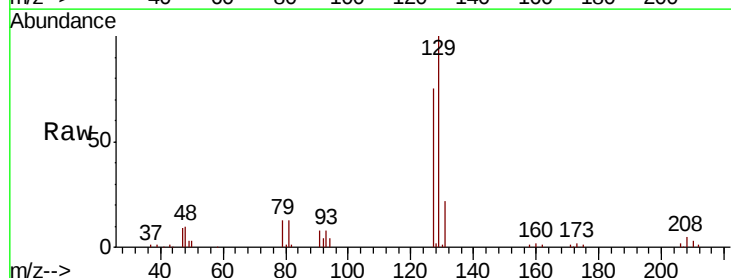
Acq: 08 Jan 2021 09:43

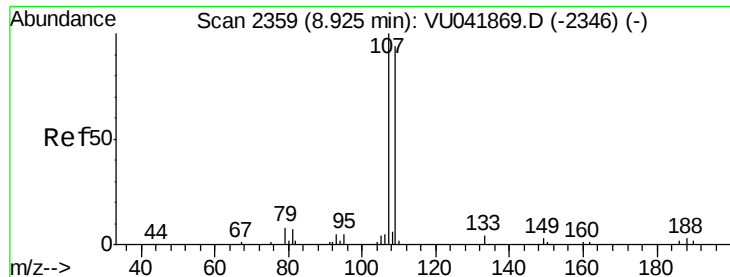
Tgt Ion: 129 Resp: 53369

Ion Ratio Lower Upper

129 100

127 75.3 54.7 101.7

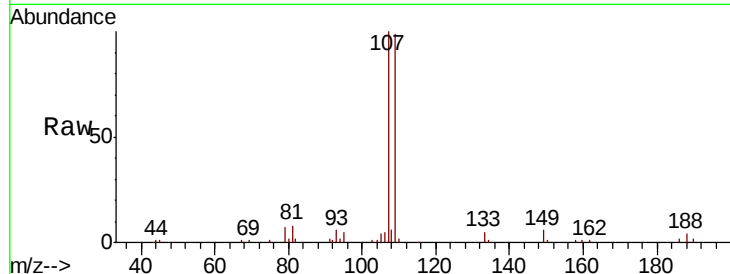




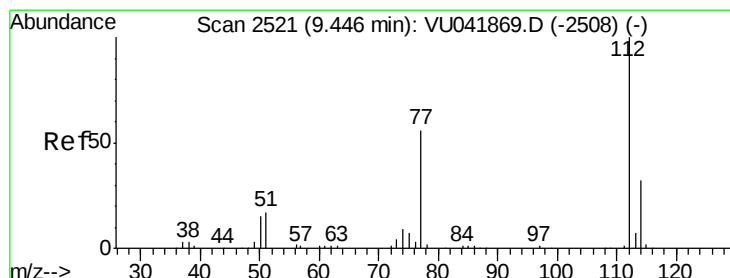
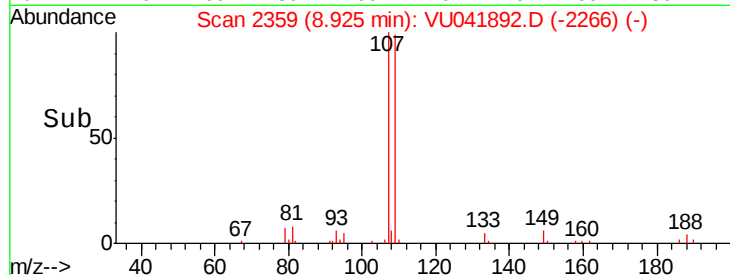
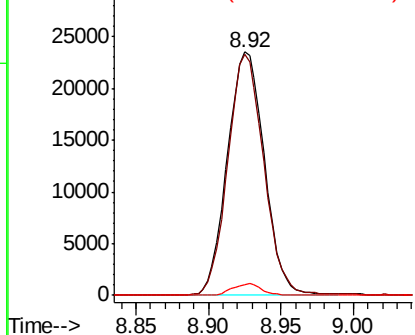
#50
1,2-Dibromoethane
Concen: 5.166 ug/L
RT: 8.92 min Scan# 2359
Delta R.T. 0.00 min
Lab File: VU041892.D
Acq: 08 Jan 2021 09:43

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 41752
Ion Ratio Lower Upper
107 100
109 99.0 65.6 121.8
188 4.5 2.6 4.0#

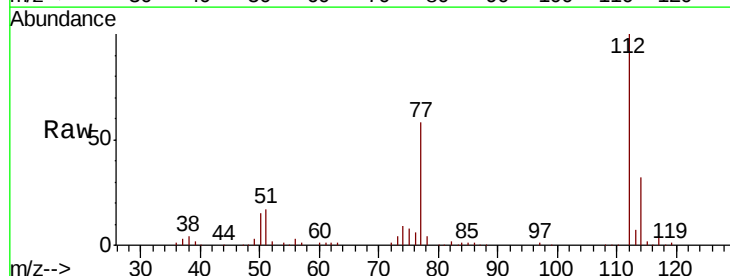


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

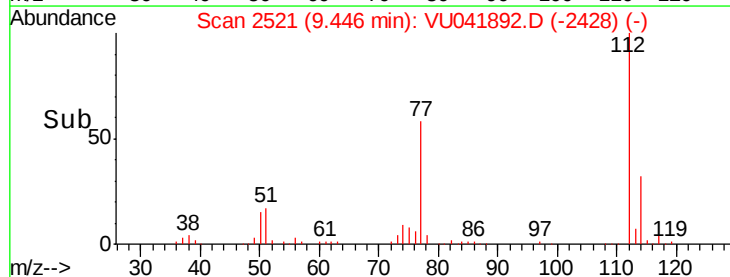
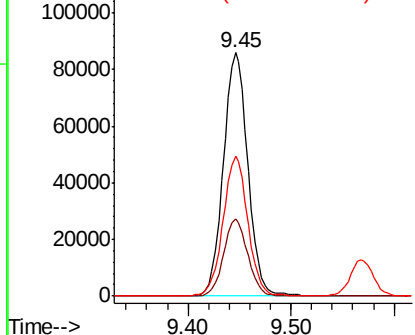


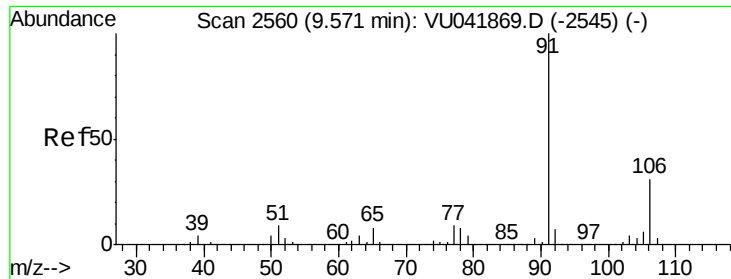
#51
Chlorobenzene
Concen: 5.117 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. 0.00 min
Lab File: VU041892.D
Acq: 08 Jan 2021 09:43

Tgt Ion:112 Resp: 141855
Ion Ratio Lower Upper
112 100
114 31.6 22.7 42.3
77 57.5 49.1 73.7



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





#52

Ethylbenzene

Concen: 4.792 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

Instrument :

MSVOA_U

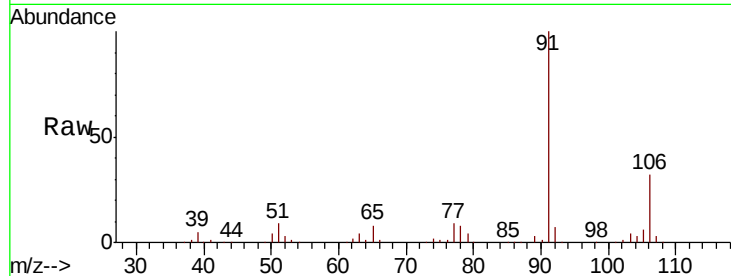
ClientSampleId :

Tot Ion: 91 Resp: 227563

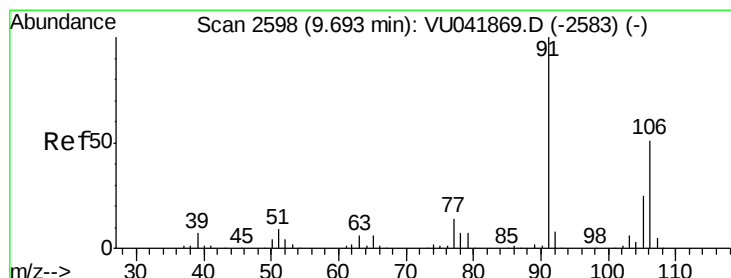
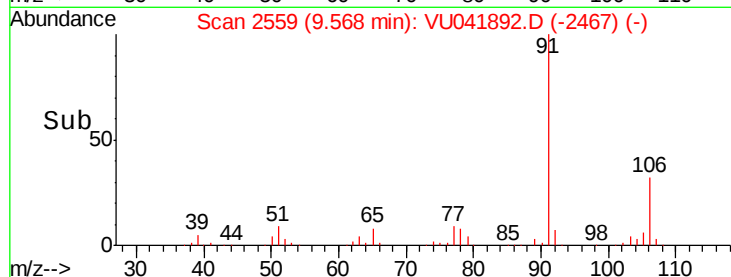
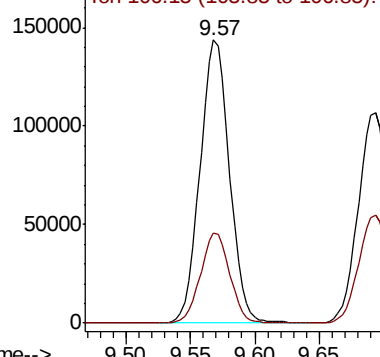
Ion Ratio Lower Upper

91 100

106 31.7 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041869.D (-2545) (-)



#53

m,p-Xylene

Concen: 5.110 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041892.D

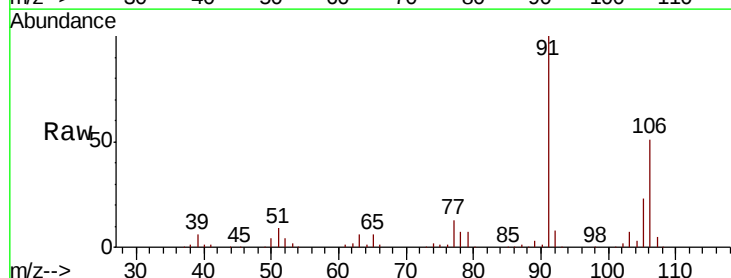
Acq: 08 Jan 2021 09:43

Tgt Ion: 106 Resp: 90498

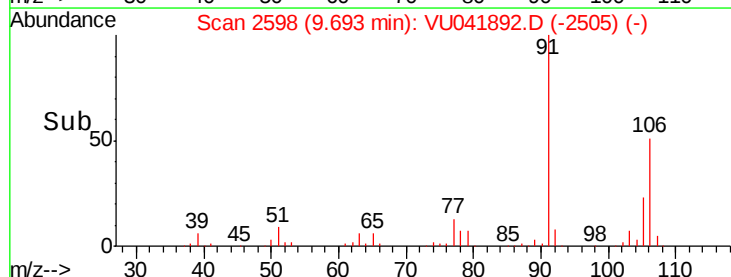
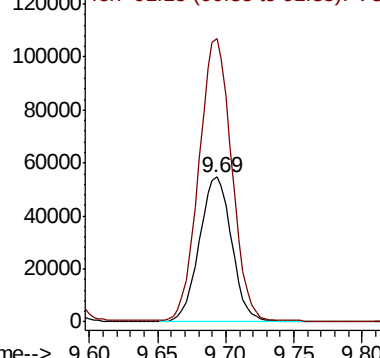
Ion Ratio Lower Upper

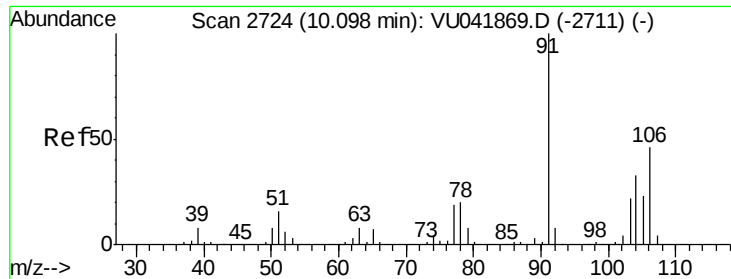
106 100

91 195.1 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041869.D (-2583) (-)

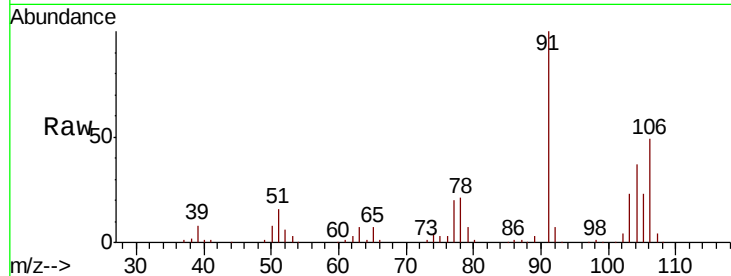




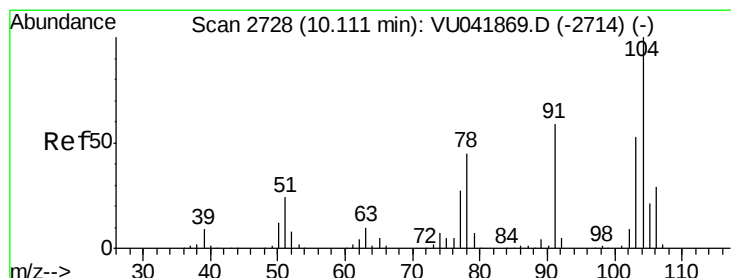
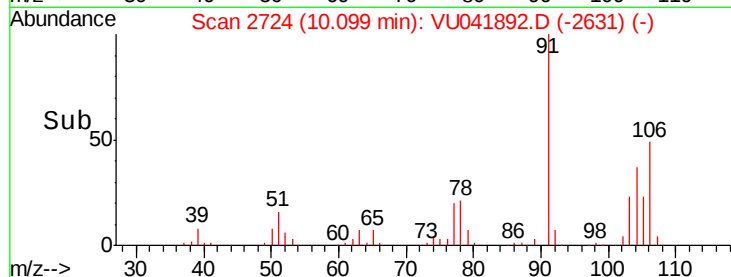
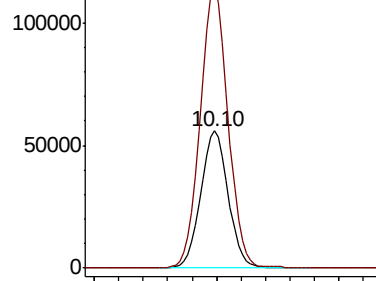
#54
o-Xylene
Concen: 5.071 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041892.D
Acq: 08 Jan 2021 09:43

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 87955
Ion Ratio Lower Upper
106 100
91 206.1 151.3 281.1

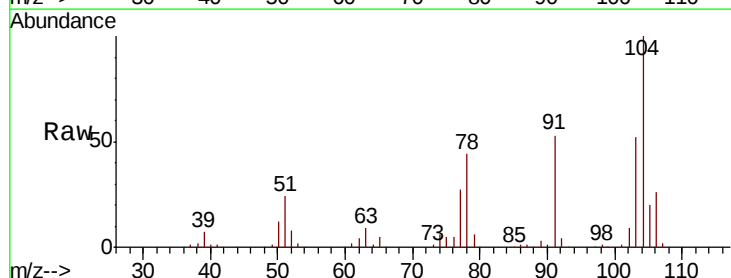


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

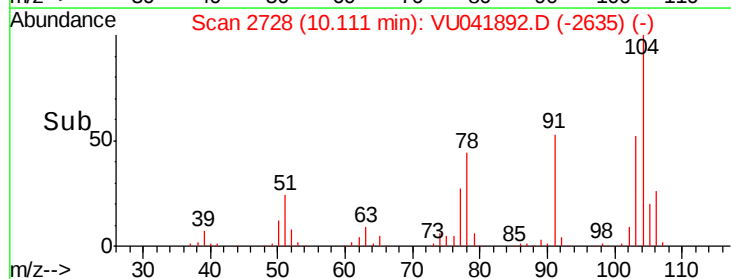
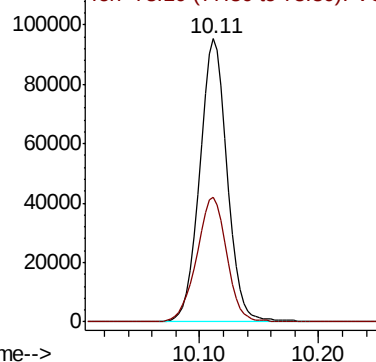


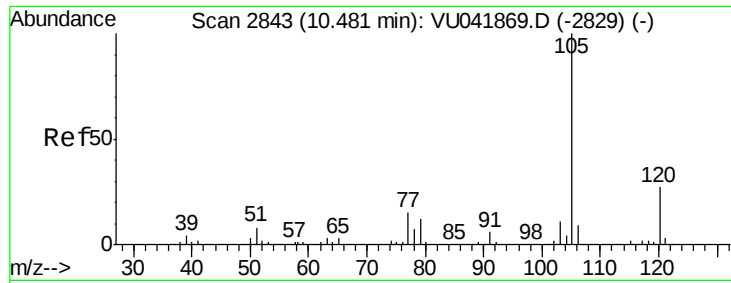
#55
Styrene
Concen: 5.079 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. 0.00 min
Lab File: VU041892.D
Acq: 08 Jan 2021 09:43

Tgt Ion:104 Resp: 152181
Ion Ratio Lower Upper
104 100
78 44.0 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: 5.007 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

Instrument :

MSVOA_U

ClientSampleId :

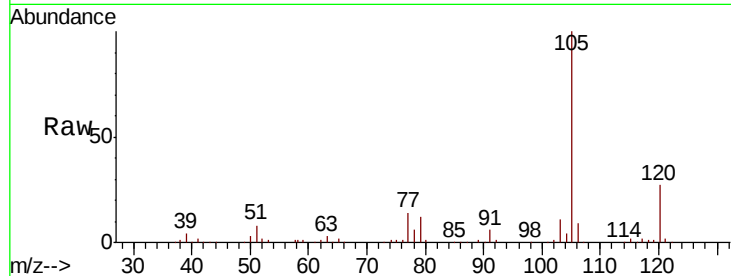
Tot Ion:105 Resp: 231183

Ion Ratio Lower Upper

105 100

120 26.5 20.5 30.7

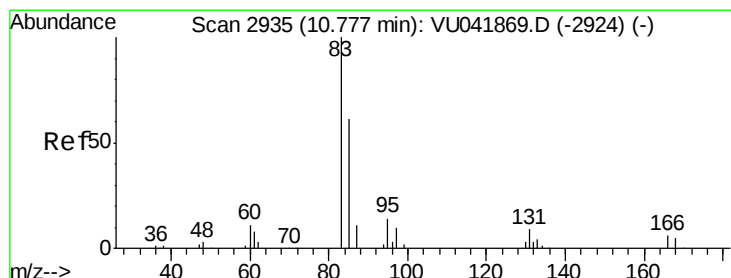
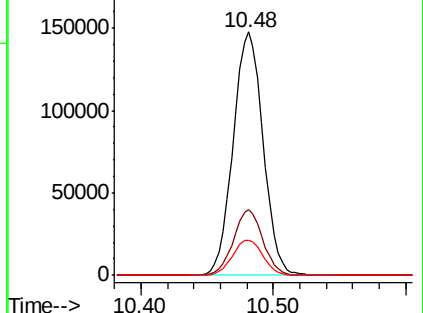
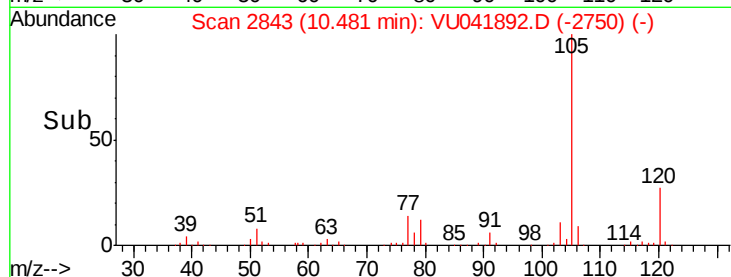
77 14.8 12.7 19.1



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: 4.806 ug/L

RT: 10.78 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

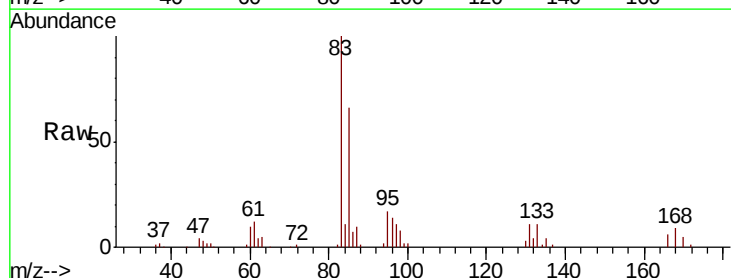
Tgt Ion: 83 Resp: 54642

Ion Ratio Lower Upper

83 100

85 65.9 46.1 85.7

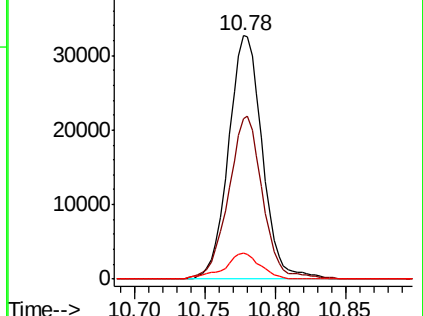
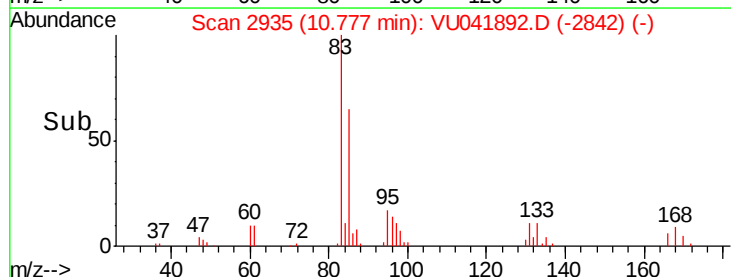
131 10.6 7.8 11.6

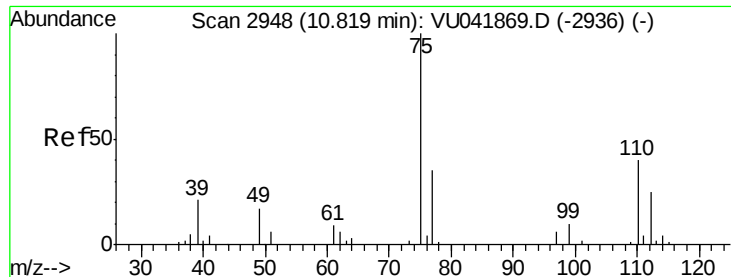


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

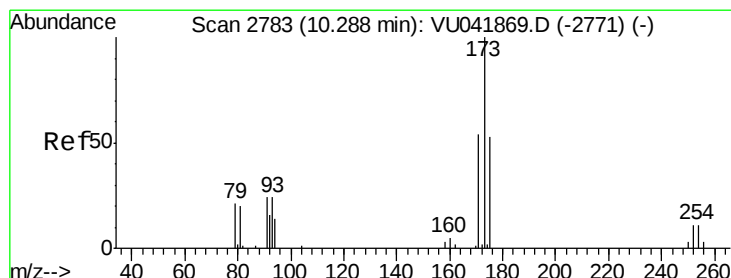
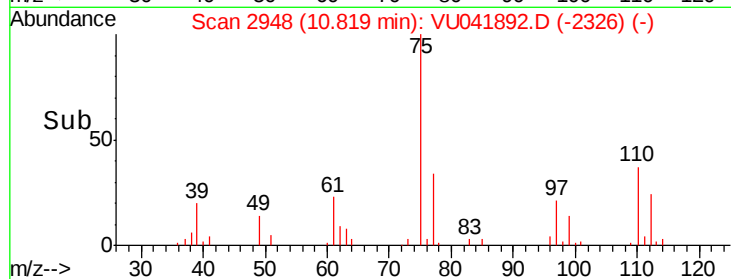
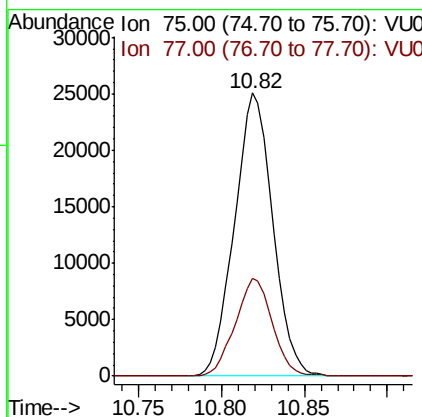
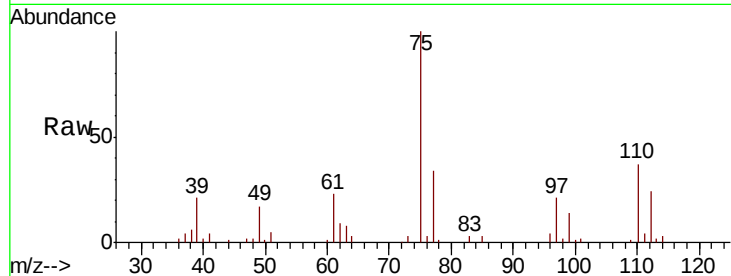




#59
 1,2,3-Trichloropropane
 Concen: 4.843 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. 0.00 min
 Lab File: VU041892.D
 Acq: 08 Jan 2021 09:43

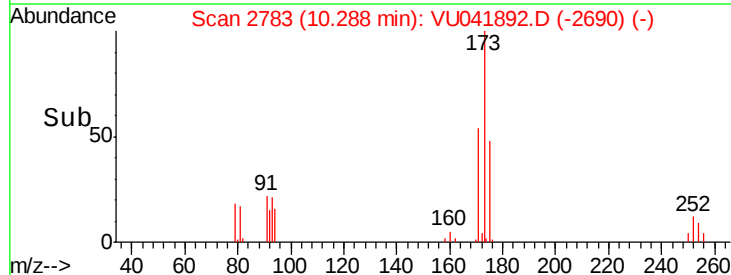
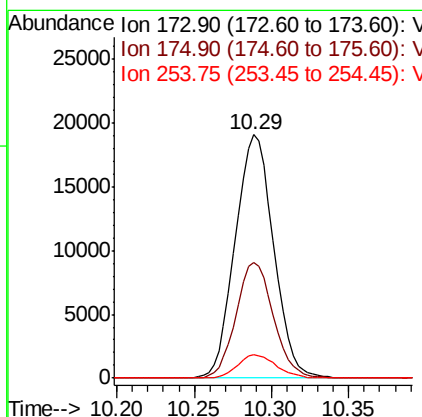
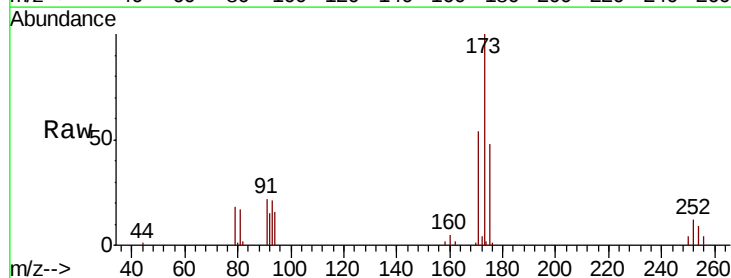
Instrument :
 MSVOA_U
 ClientSampled :

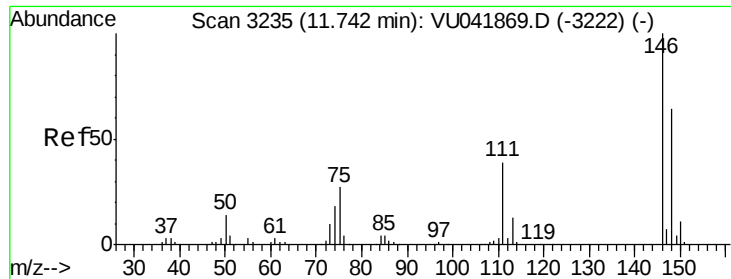
Tot Ion: 75 Resp: 40181
 Ion Ratio Lower Upper
 75 100
 77 33.3 26.2 39.2



#61
 Bromoform
 Concen: 5.928 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: VU041892.D
 Acq: 08 Jan 2021 09:43

Tgt Ion: 173 Resp: 32962
 Ion Ratio Lower Upper
 173 100
 175 46.2 37.3 55.9
 254 9.4 7.4 11.2

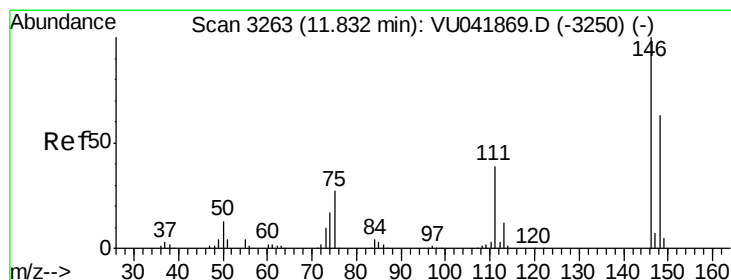
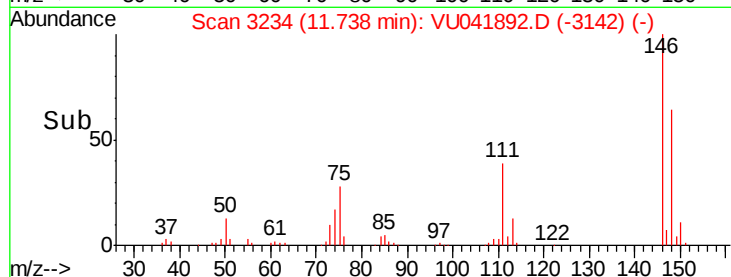
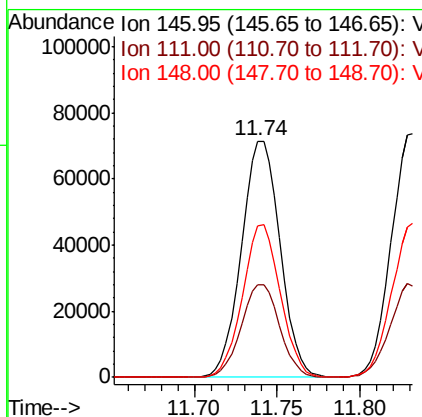
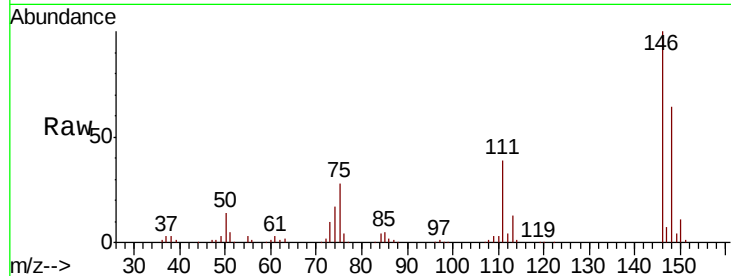




#62
 1,3-Dichlorobenzene
 Concen: 5.152 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU041892.D
 Acq: 08 Jan 2021 09:43

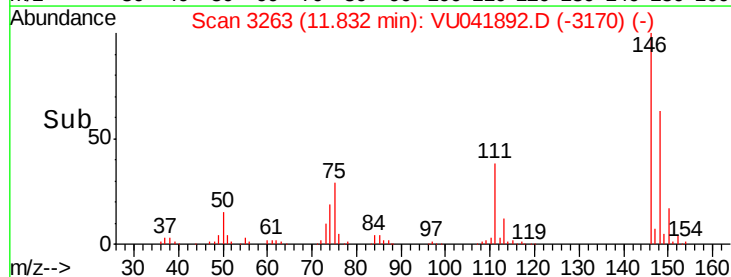
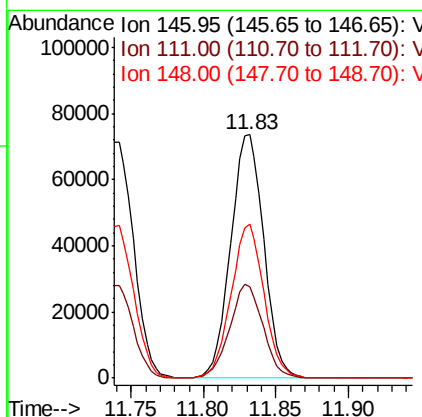
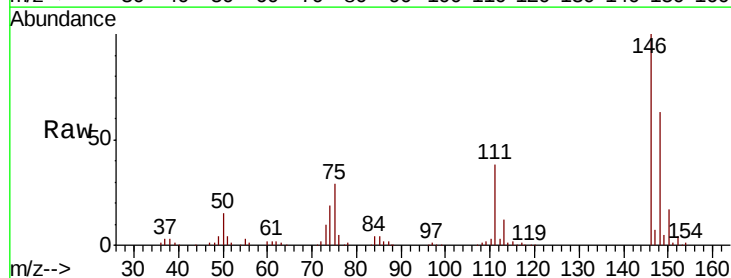
Instrument :
 MSVOA_U
 ClientSampled :

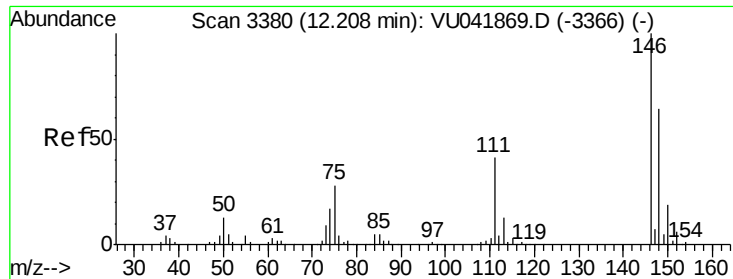
Tot Ion:146 Resp: 115910
 Ion Ratio Lower Upper
 146 100
 111 39.3 30.0 55.8
 148 64.2 44.9 83.3



#63
 1,4-Dichlorobenzene
 Concen: 5.154 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041892.D
 Acq: 08 Jan 2021 09:43

Tgt Ion:146 Resp: 116569
 Ion Ratio Lower Upper
 146 100
 111 37.5 27.9 51.9
 148 63.0 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 5.143 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

Instrument :

MSVOA_U

ClientSampleId :

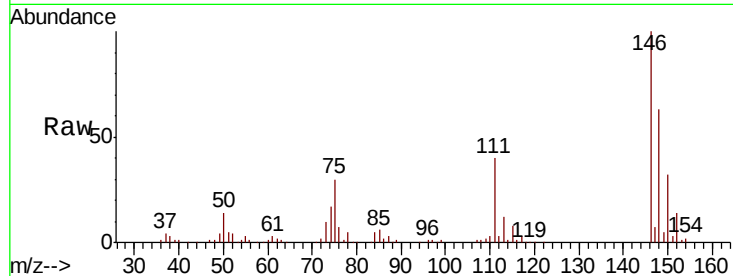
Tot Ion:146 Resp: 113307

Ion Ratio Lower Upper

146 100

111 40.5 35.0 52.6

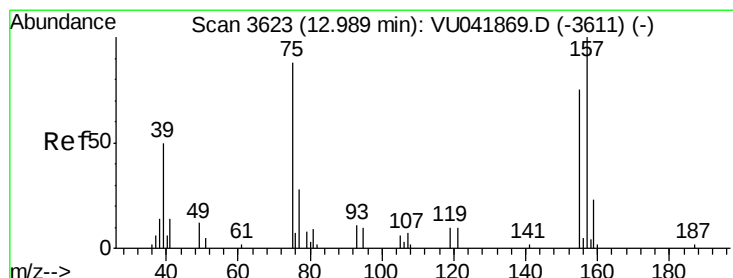
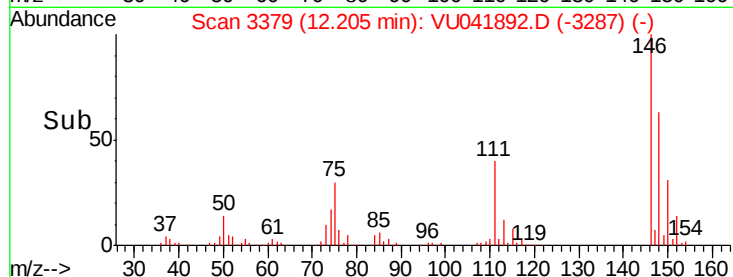
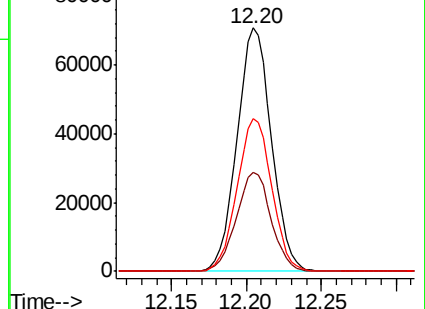
148 62.6 51.0 76.6



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: 4.505 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

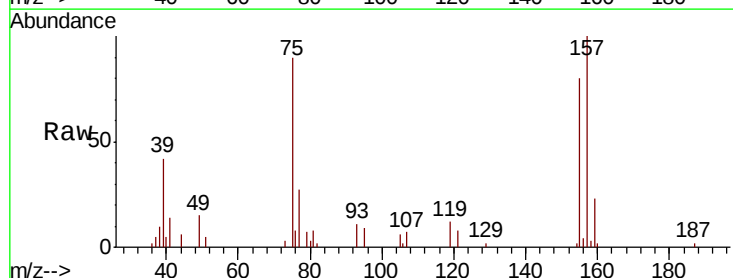
Tgt Ion: 75 Resp: 9307

Ion Ratio Lower Upper

75 100

155 88.4 57.4 86.0#

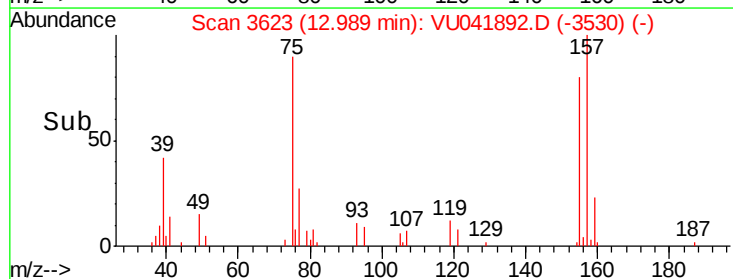
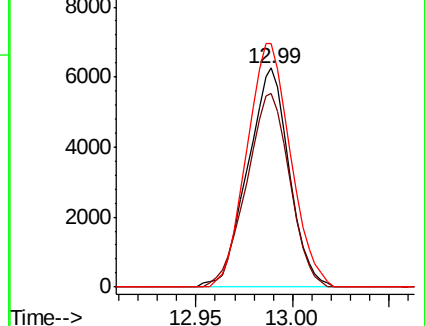
157 111.1 72.4 108.6#

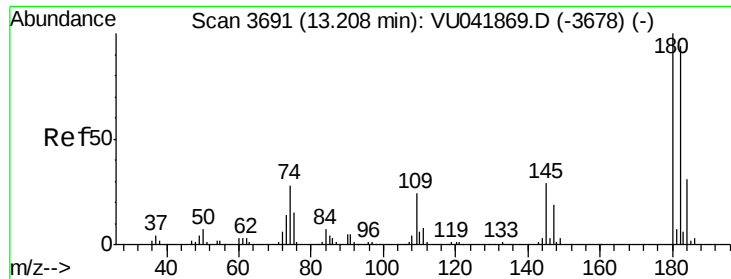


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

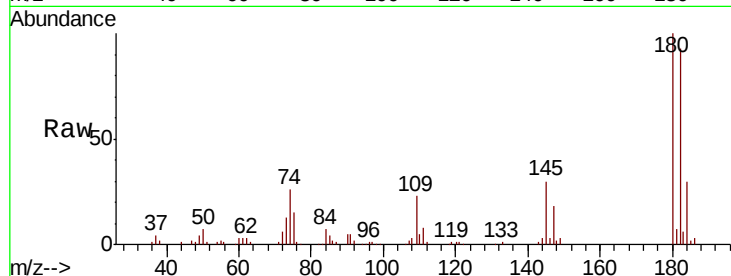




#67
 1,3,5-Trichlorobenzene
 Concen: 4.840 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041892.D
 Acq: 08 Jan 2021 09:43

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.3	114.5
184	30.5	24.1	36.1
145	29.9	24.1	36.1



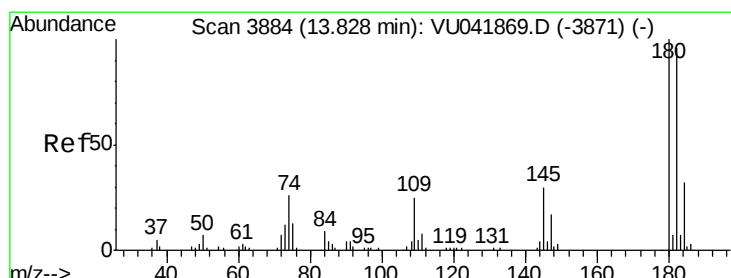
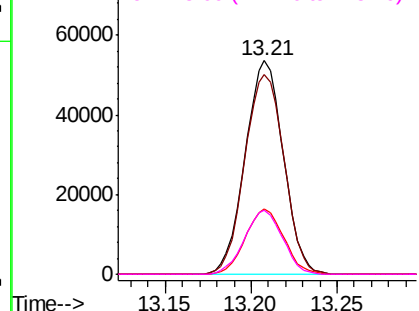
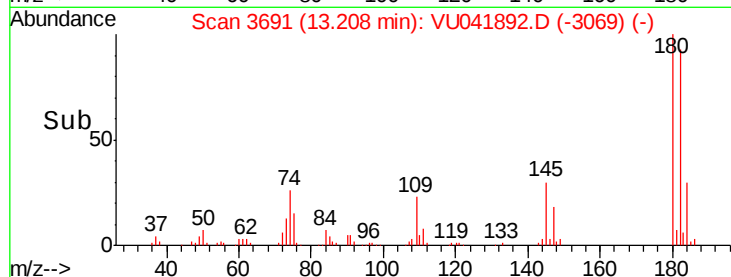
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

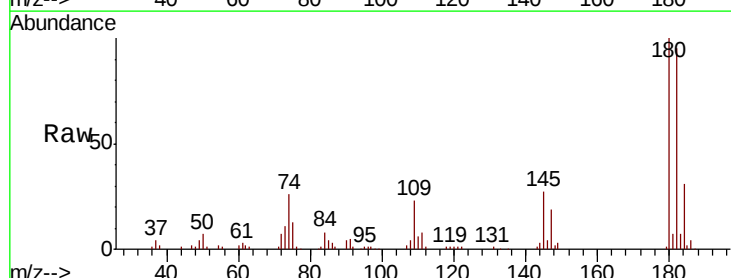
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.468 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041892.D
 Acq: 08 Jan 2021 09:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.4	113.0
145	28.7	24.5	36.7

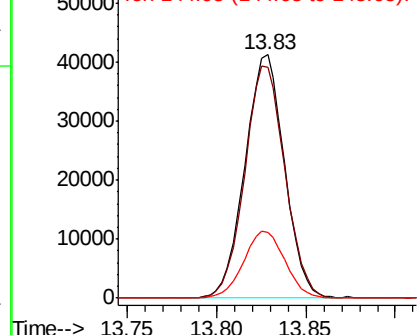
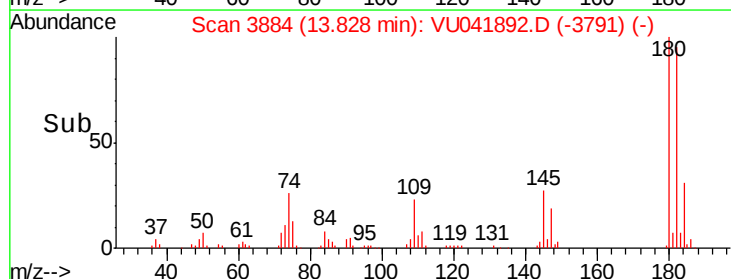


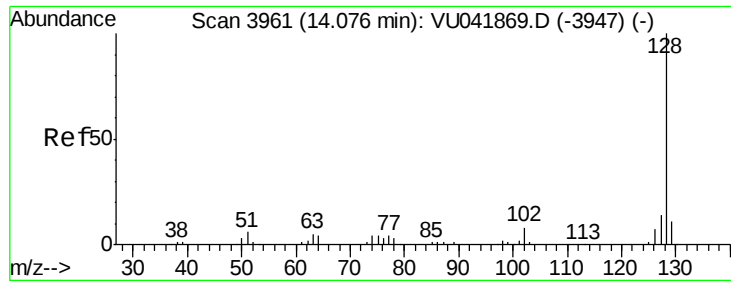
Abundance

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: 3.711 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

Instrument :

MSVOA_U

ClientSampleId :

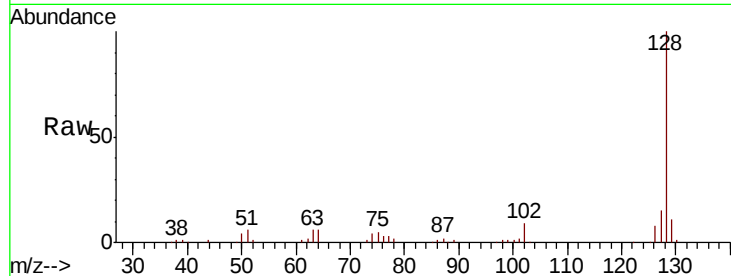
Tot Ion:128 Resp: 110072

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

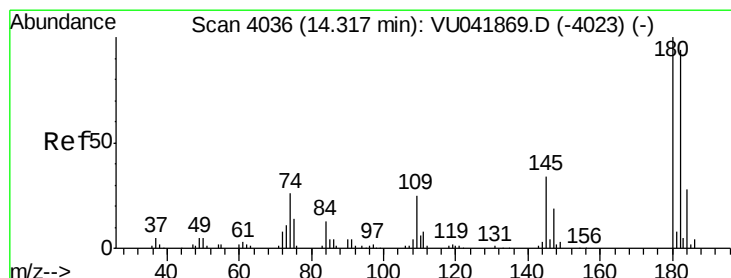
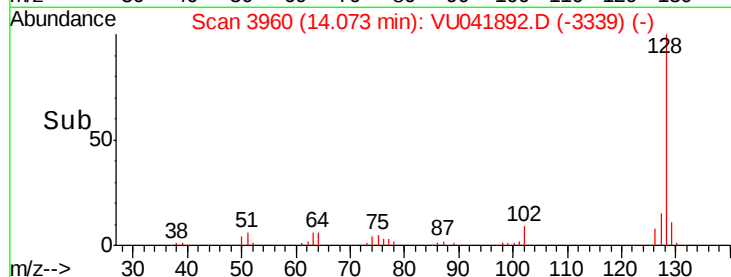
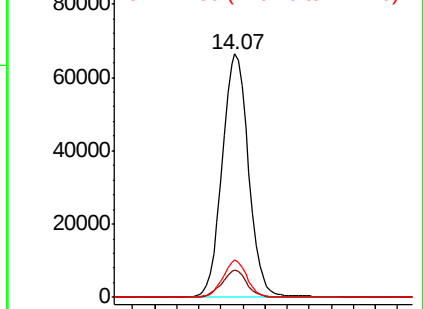
127 14.0 10.2 15.4



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: 4.762 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041892.D

Acq: 08 Jan 2021 09:43

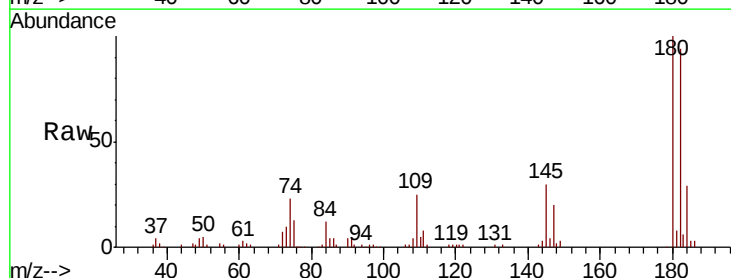
Tgt Ion:180 Resp: 65046

Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.4

145 31.2 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

