

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041890.D
 Acq On : 07 Jan 2021 22:16
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 08 05:02:53 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	152415	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	139542	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	74213	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	44868	3.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.40%
7) Chloroethane-d5	1.92	69	48579	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.58	63	98576	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.80%
20) 2-Butanone-d5	4.65	46	175490	51.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.54%
24) Chloroform-d	5.08	84	112615	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
26) 1,2-Dichloroethane-d4	5.72	65	58992	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.74	84	209622	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.70	67	64339	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.90	98	183176	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	8.18	79	26879	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.64	63	144212	46.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.66%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	58150	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	67251	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	63451	4.914	ug/L	100
3) Chloromethane	1.52	50	61862	4.931	ug/L	97
5) Vinyl chloride	1.61	62	73462	5.303	ug/L	98
6) Bromomethane	1.86	94	48359	5.584	ug/L	98
8) Chloroethane	1.94	64	47309	5.028	ug/L	95
9) Trichlorofluoromethane	2.15	101	101157	5.770	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	57925	5.524	ug/L	95
12) 1,1-Dichloroethene	2.59	96	54504	5.272	ug/L	92
13) Acetone	2.66	43	98684	45.327	ug/L	98
14) Carbon disulfide	2.81	76	179567	5.025	ug/L	100
15) Methyl Acetate	2.97	43	25213	4.454	ug/L	95
16) Methylene chloride	3.06	84	68849	5.575	ug/L	94
17) Methyl tert-butyl Ether	3.38	73	129274	4.686	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	53593	5.011	ug/L	95
19) 1,1-Dichloroethane	3.89	63	99749	4.990	ug/L	97
21) 2-Butanone	4.73	43	155519	43.855	ug/L	92
22) cis-1,2-Dichloroethene	4.68	96	61867	5.234	ug/L	95

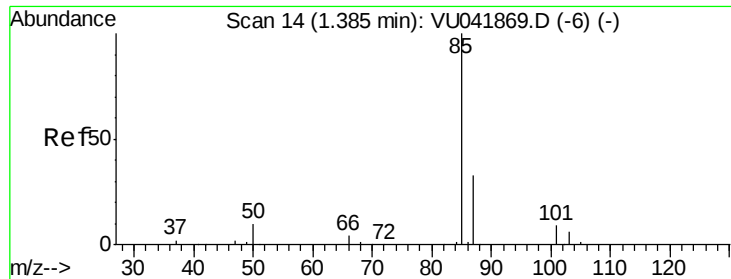
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041890.D
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 08 04:58:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	30452	5.609	ug/L	88
25) Chloroform	5.11	83	107035	5.318	ug/L	99
27) 1,2-Dichloroethane	5.81	62	65717	4.821	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	90387	5.640	ug/L	97
30) Cyclohexane	5.40	56	81159	4.519	ug/L	90
31) Carbon tetrachloride	5.54	117	80820	5.833	ug/L	99
33) Benzene	5.79	78	234453	5.254	ug/L	100
34) Trichloroethene	6.55	95	59375	5.295	ug/L	92
35) Methylcyclohexane	6.77	83	85308	4.706	ug/L	96
37) 1,2-Dichloropropane	6.80	63	56070	4.912	ug/L	99
38) Bromodichloromethane	7.11	83	74586	5.252	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	73484	4.345	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	330607	40.702	ug/L #	95
42) Toluene	7.97	91	233148	5.060	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	72291	4.779	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	45494	5.389	ug/L	97
47) Tetrachloroethene	8.56	164	46399	5.910	ug/L	96
48) 2-Hexanone	8.69	43	232441	39.321	ug/L #	94
49) Dibromochloromethane	8.81	129	52413	5.405	ug/L	95
50) 1,2-Dibromoethane	8.92	107	39649	4.748	ug/L	100
51) Chlorobenzene	9.45	112	144591	5.049	ug/L	94
52) Ethylbenzene	9.57	91	226683	4.620	ug/L	95
53) m,p-Xylene	9.69	106	89500	4.891	ug/L	96
54) o-Xylene	10.10	106	88216	4.922	ug/L	95
55) Styrene	10.11	104	151697	4.900	ug/L	99
56) Isopropylbenzene	10.48	105	230952	4.841	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	53709	4.572	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	39666	4.627	ug/L	99
61) Bromoform	10.29	173	31377	5.593	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	113346	4.994	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	113750	4.985	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	113684	5.115	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	9525	4.570	ug/L	83
67) 1,3,5-Trichlorobenzene	13.21	180	81846	4.751	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	63296	4.378	ug/L	97
69) Naphthalene	14.07	128	105566	3.527	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	62429	4.530	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.914 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041890.D

Acq: 07 Jan 2021 22:16

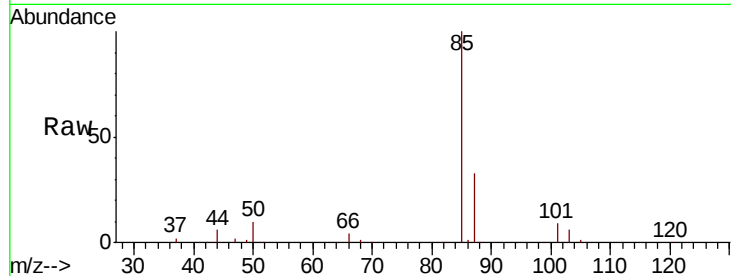
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 63451

Ion Ratio Lower Upper

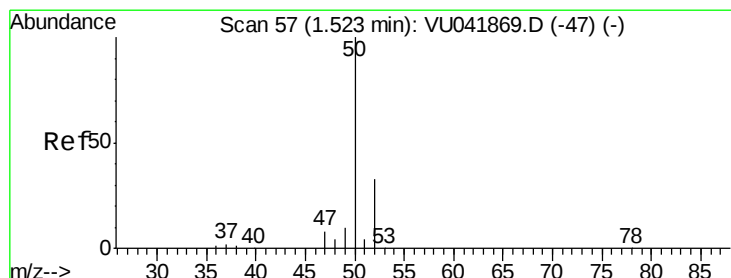
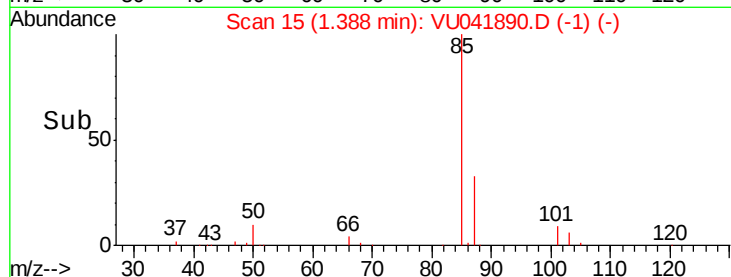
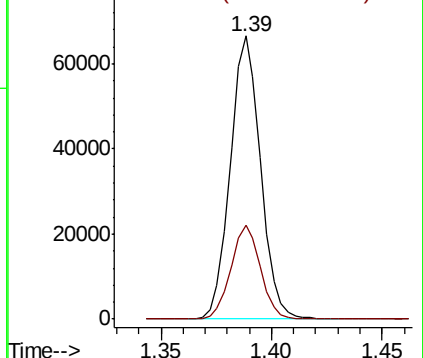
85 100

87 32.4 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041869.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VU041869.D (-6) (-)



#3

Chloromethane

Concen: 4.931 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041890.D

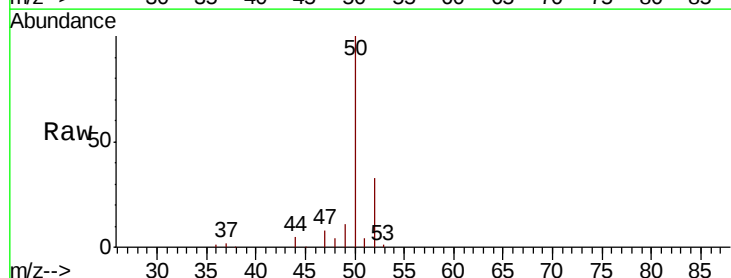
Acq: 07 Jan 2021 22:16

Tgt Ion: 50 Resp: 61862

Ion Ratio Lower Upper

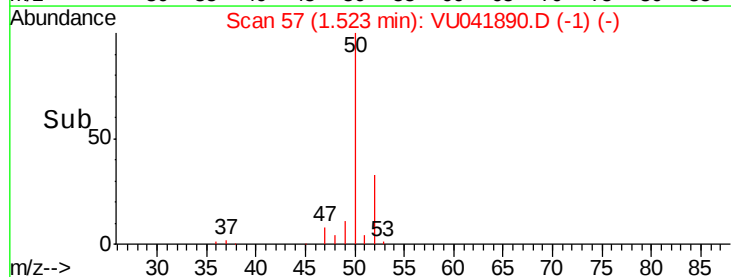
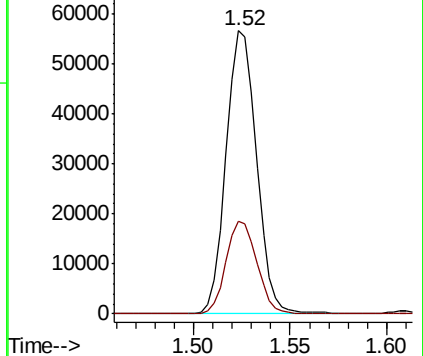
50 100

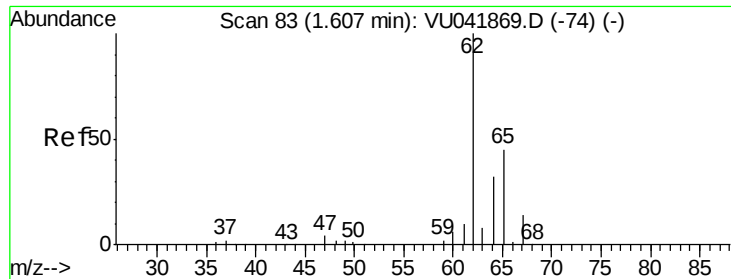
52 32.9 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041869.D (-47) (-)

Ion 52.05 (51.75 to 52.75): VU041869.D (-47) (-)





#5

Vinyl chloride

Concen: 5.303 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041890.D

Acq: 07 Jan 2021 22:16

Instrument :

MSVOA_U

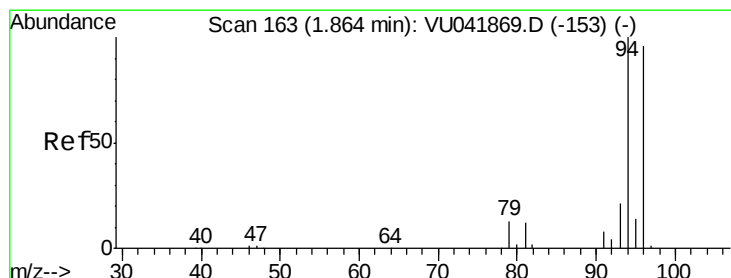
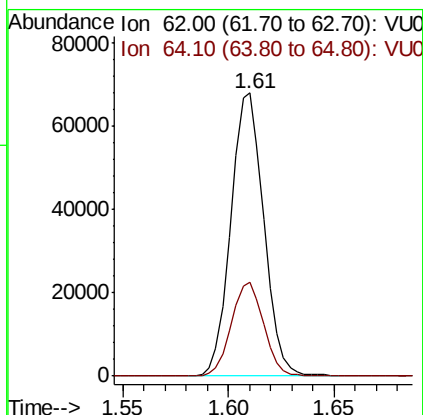
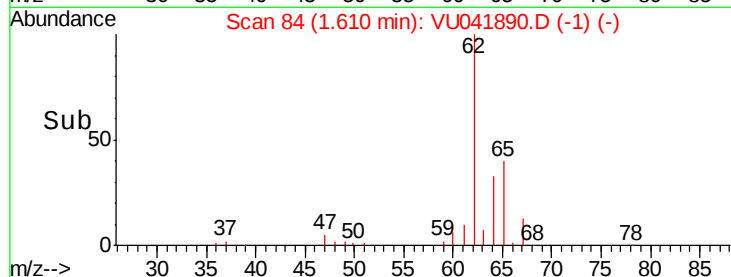
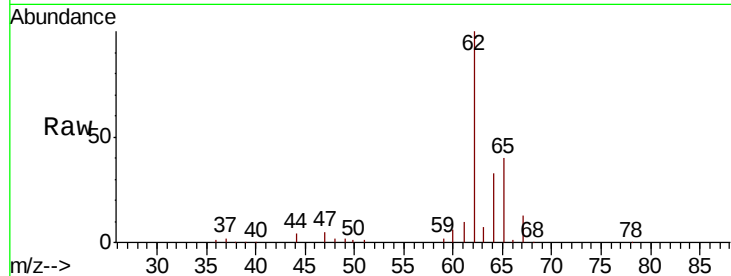
ClientSampleId :

Tot Ion: 62 Resp: 73462

Ion Ratio Lower Upper

62 100

64 33.1 22.5 41.7



#6

Bromomethane

Concen: 5.584 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041890.D

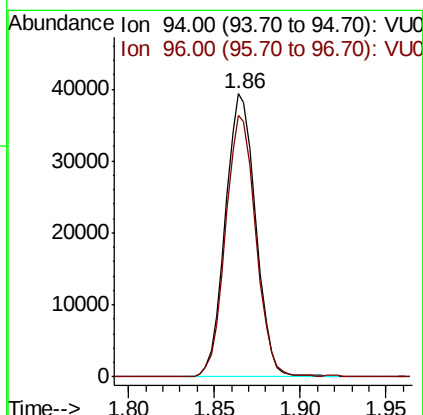
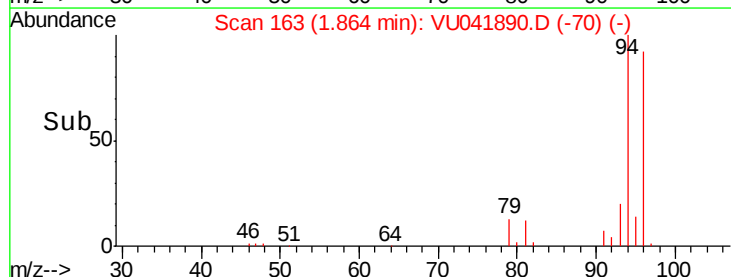
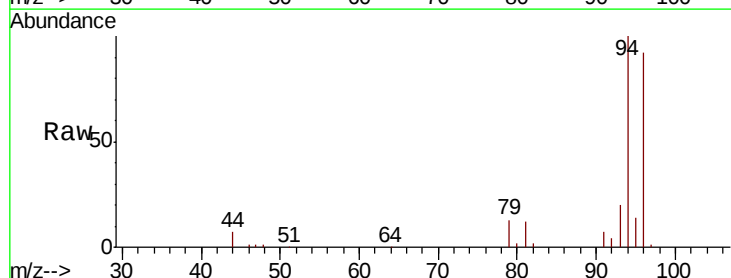
Acq: 07 Jan 2021 22:16

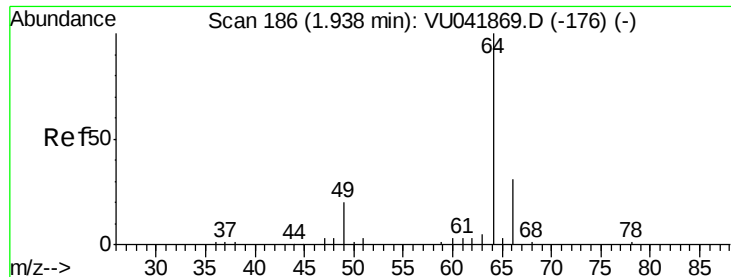
Tgt Ion: 94 Resp: 48359

Ion Ratio Lower Upper

94 100

96 92.3 65.7 121.9





#8

Chloroethane

Concen: 5.028 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041890.D

Acq: 07 Jan 2021 22:16

Instrument :

MSVOA_U

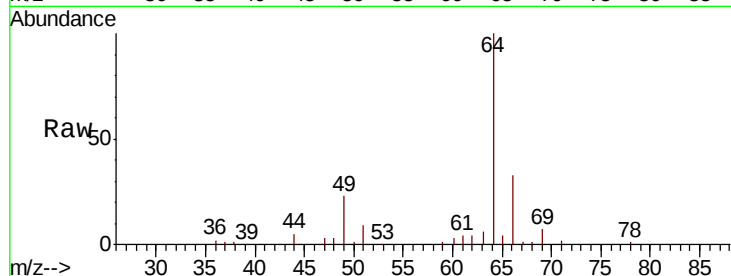
ClientSampleId :

Tot Ion: 64 Resp: 47309

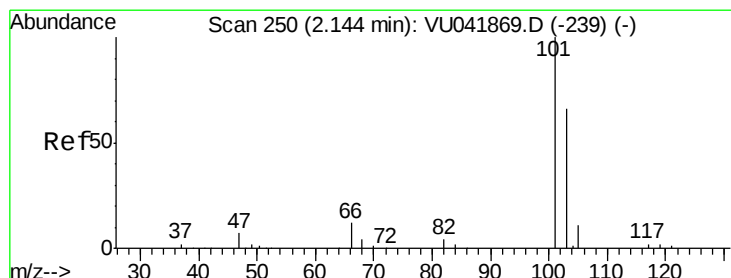
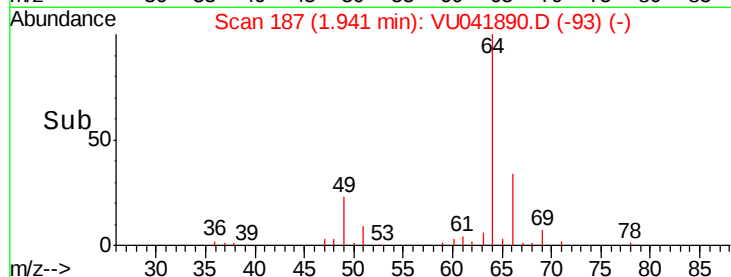
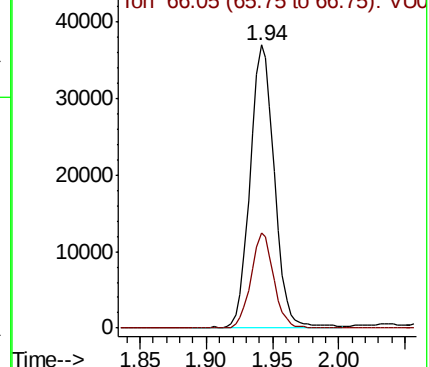
Ion Ratio Lower Upper

64 100

66 33.5 21.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VU041890.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 5.770 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041890.D

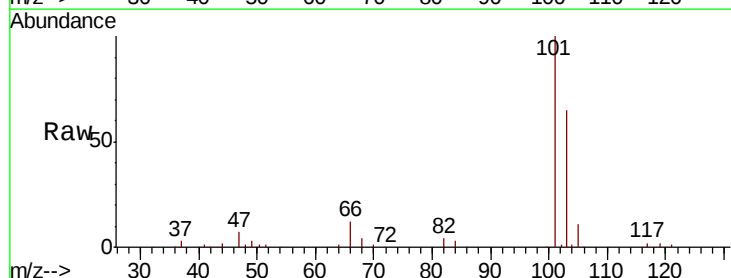
Acq: 07 Jan 2021 22:16

Tgt Ion:101 Resp: 101157

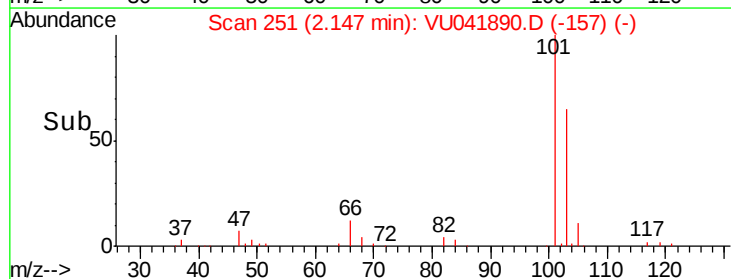
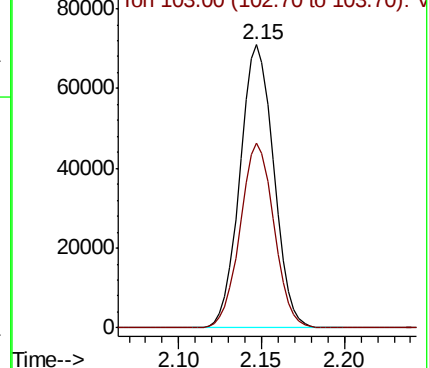
Ion Ratio Lower Upper

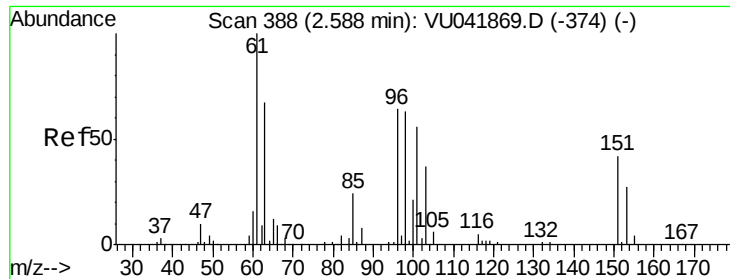
101 100

103 65.1 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU041890.D (-239) (-)





#10

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

Concen: 5.524 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041890.D

Acq: 07 Jan 2021 22:16

Instrument :

MSVOA_U

ClientSampled :

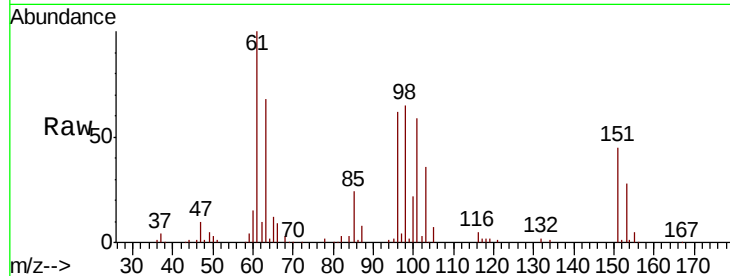
Tot Ion:101 Resp: 57925

Ion Ratio Lower Upper

101 100

85 41.7 33.6 50.4

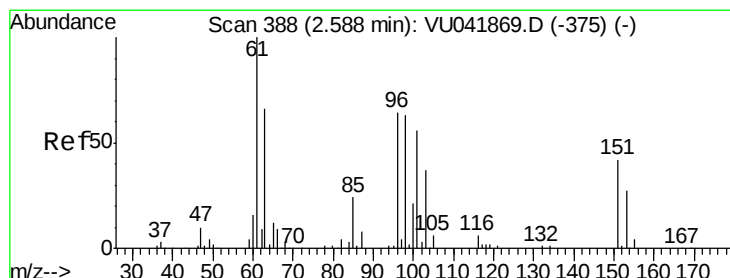
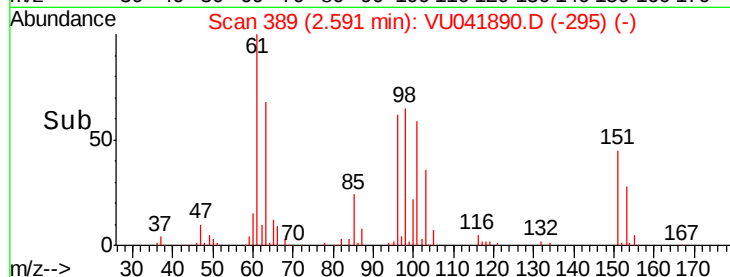
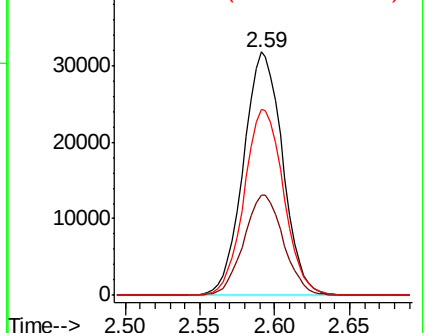
151 77.1 56.2 84.4



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: 5.272 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041890.D

Acq: 07 Jan 2021 22:16

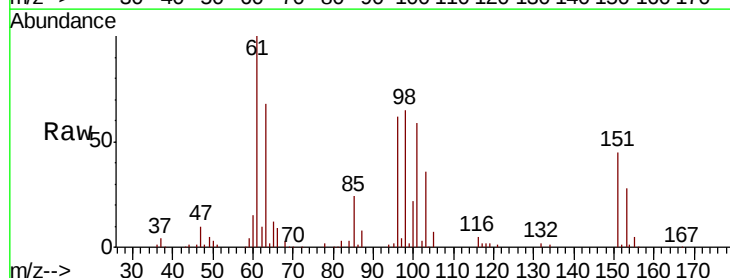
Tgt Ion: 96 Resp: 54504

Ion Ratio Lower Upper

96 100

61 162.0 123.8 230.0

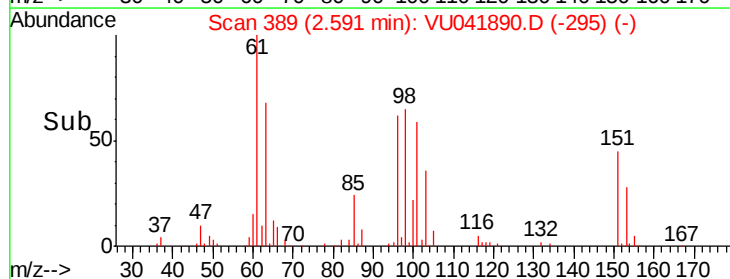
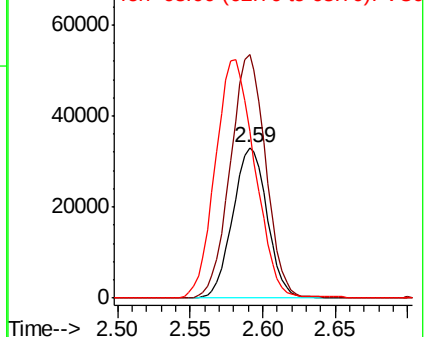
63 110.6 81.0 150.4

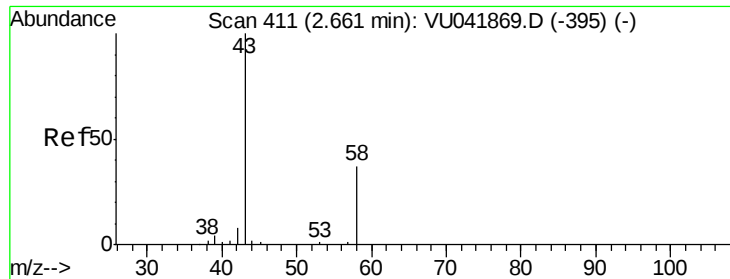


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.327 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU041890.D

Acq: 07 Jan 2021 22:16

Instrument :

MSVOA_U

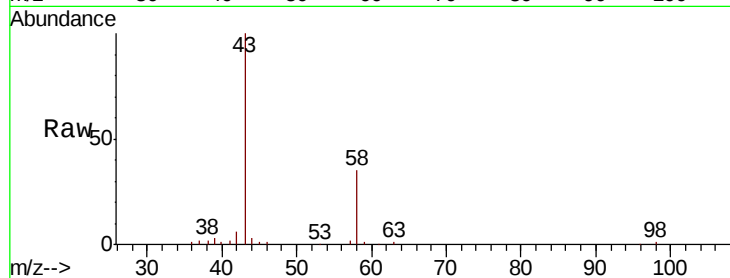
ClientSampleId :

Tot Ion: 43 Resp: 98684

Ion Ratio Lower Upper

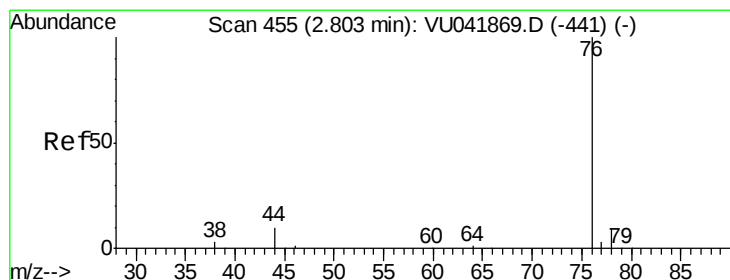
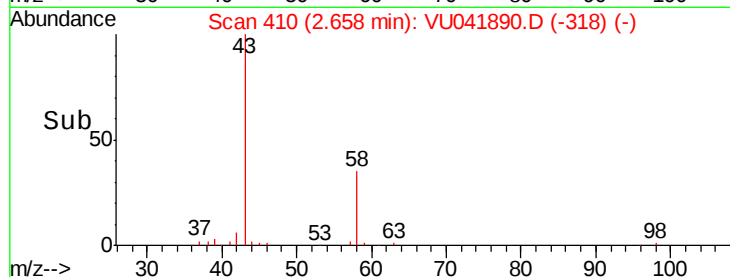
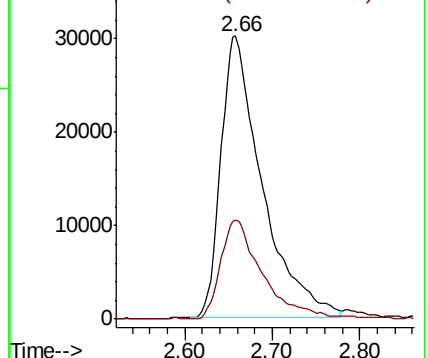
43 100

58 35.4 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 5.025 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041890.D

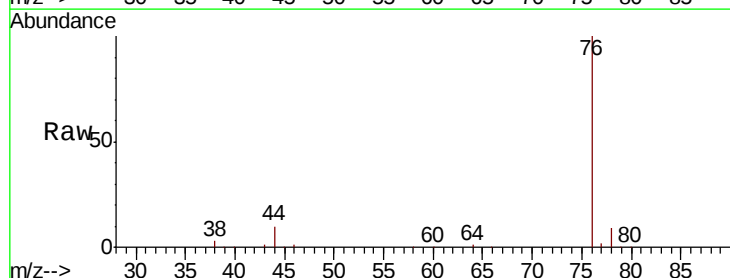
Acq: 07 Jan 2021 22:16

Tgt Ion: 76 Resp: 179567

Ion Ratio Lower Upper

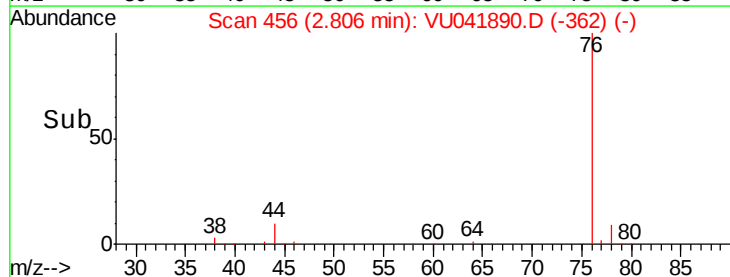
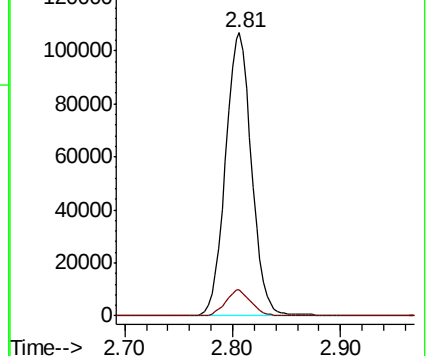
76 100

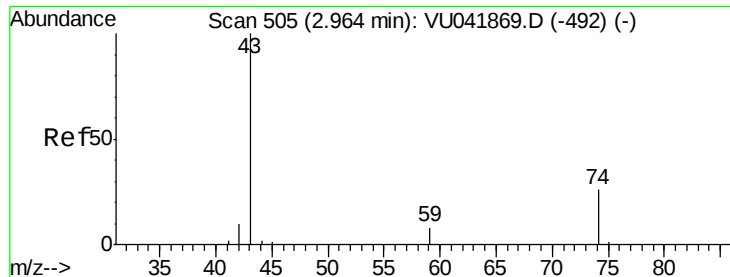
78 9.2 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

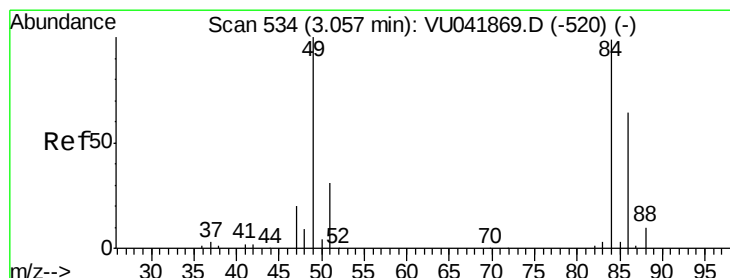
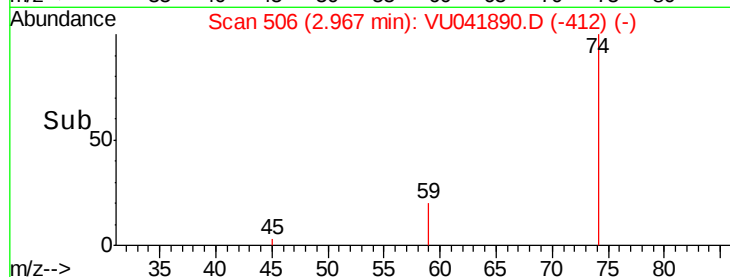
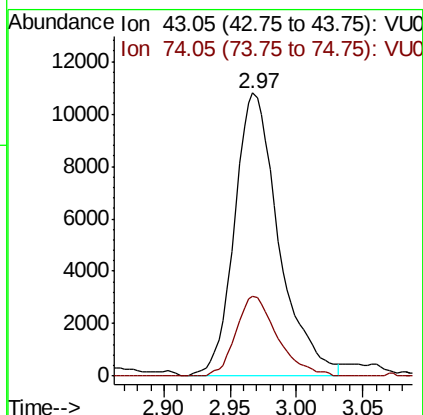
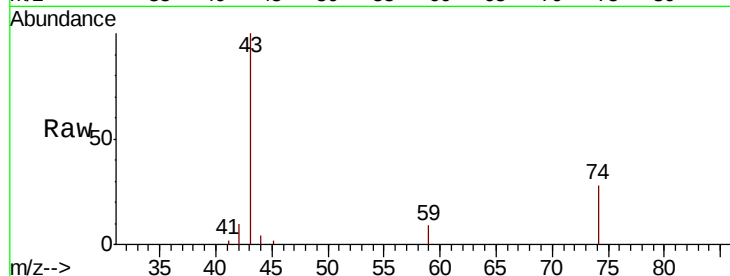




#15
Methvl Acetate
Concen: 4.454 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU041890.D
Acq: 07 Jan 2021 22:16

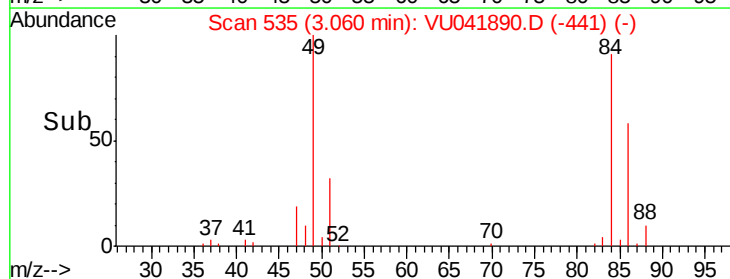
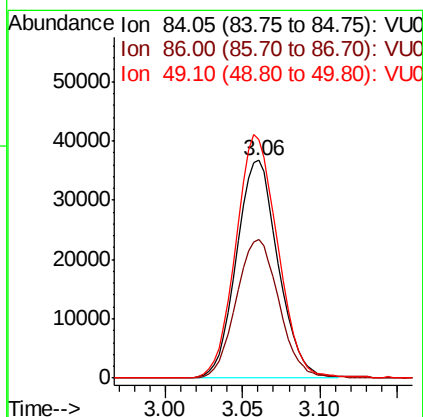
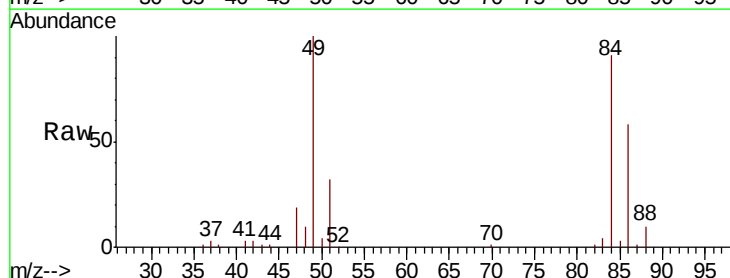
Instrument :
MSVOA_U
ClientSampleId :

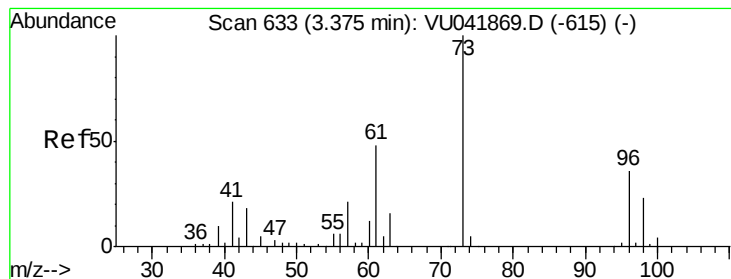
Tot Ion: 43 Resp: 25213
Ion Ratio Lower Upper
43 100
74 26.4 19.2 28.8



#16
Methylene chloride
Concen: 5.575 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041890.D
Acq: 07 Jan 2021 22:16

Tgt Ion: 84 Resp: 68849
Ion Ratio Lower Upper
84 100
86 63.5 45.1 83.7
49 109.8 83.1 154.3



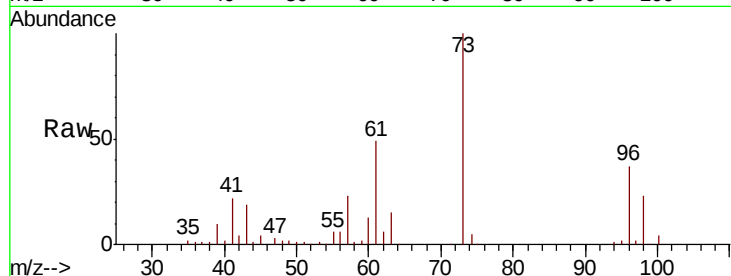


#17

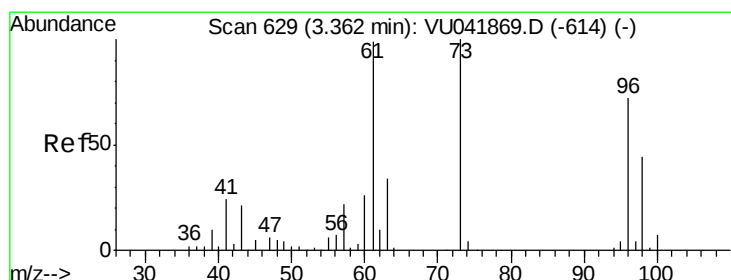
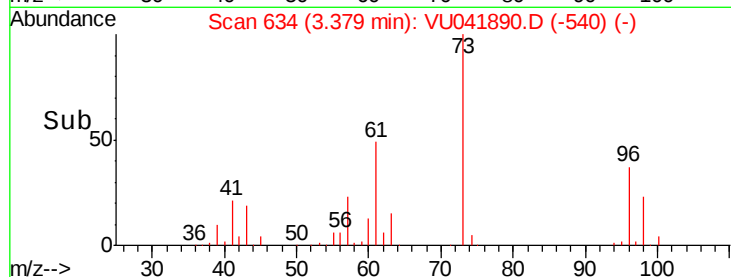
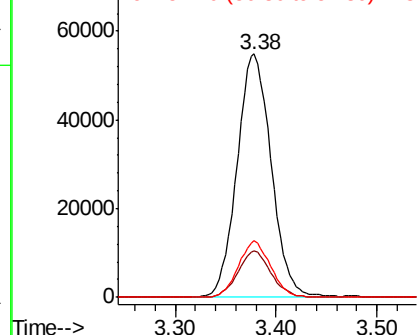
Methvl tert-butvl Ether
 Concen: 4.686 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 129274
 Ion Ratio Lower Upper
 73 100
 43 18.4 14.7 22.1
 57 21.8 18.2 27.4



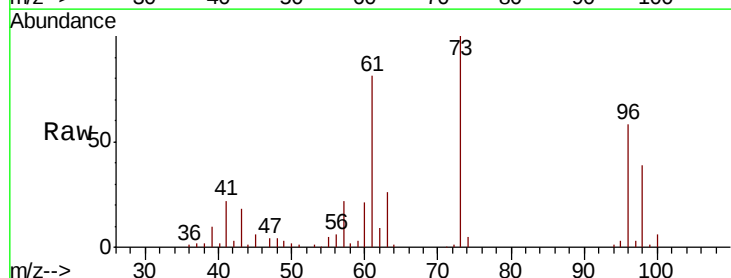
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



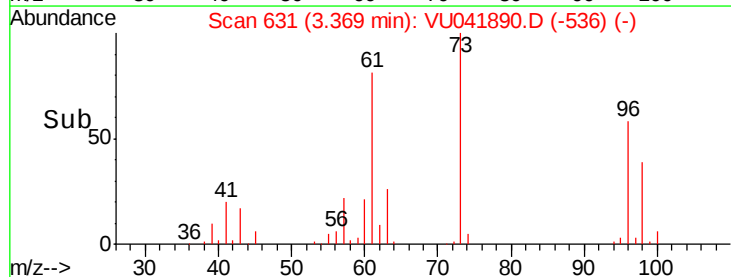
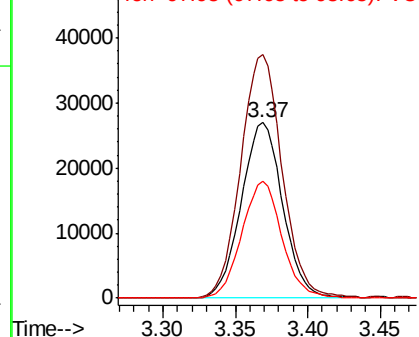
#18

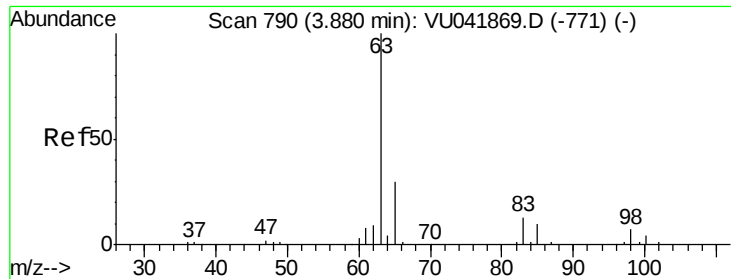
trans-1,2-Dichloroethene
 Concen: 5.011 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

Tgt Ion: 96 Resp: 53593
 Ion Ratio Lower Upper
 96 100
 61 139.0 101.8 189.0
 98 66.5 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

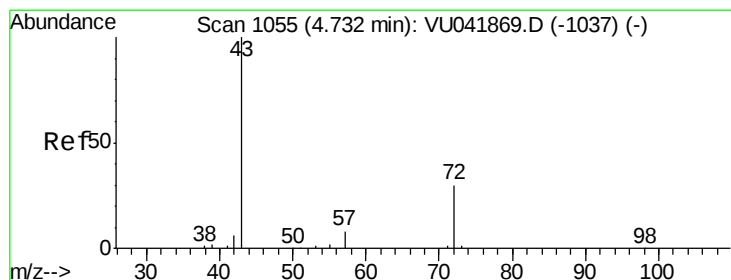
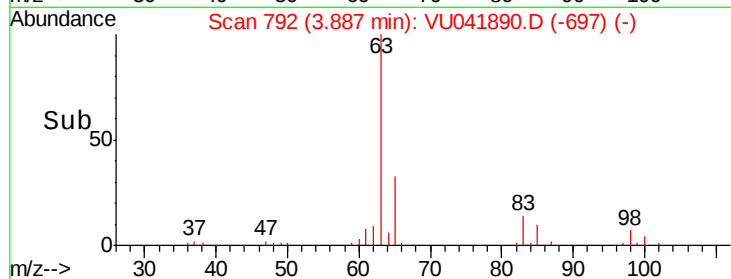
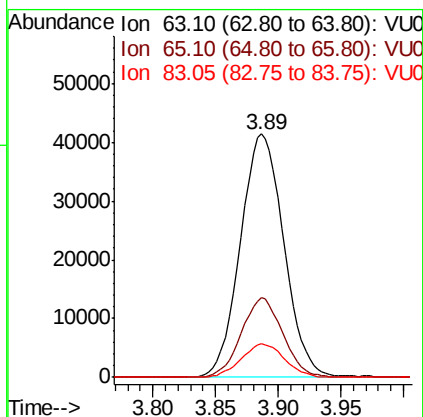
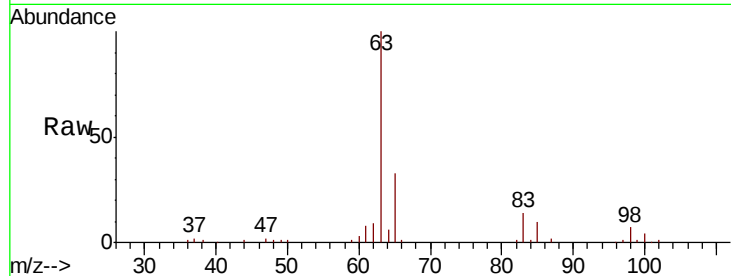




#19
 1,1-Dichloroethane
 Concen: 4.990 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

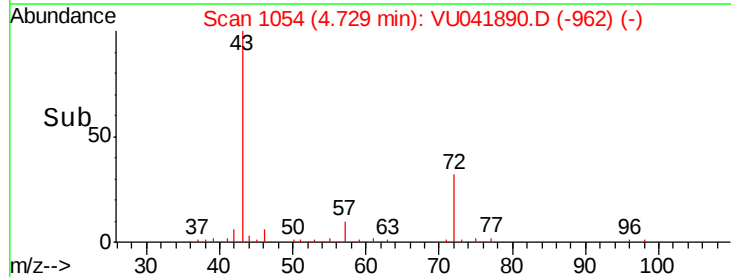
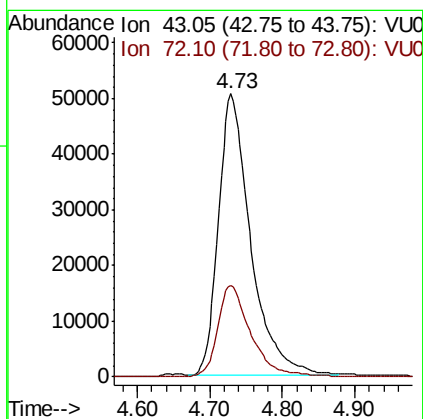
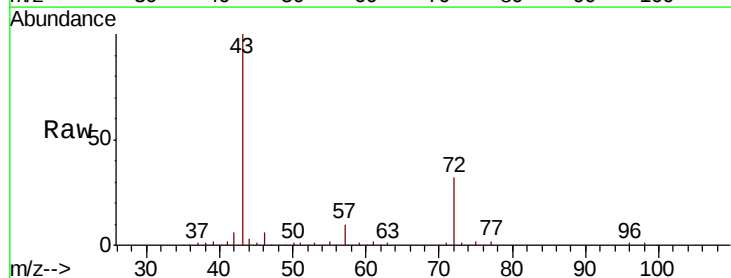
Instrument :
 MSVOA_U
 ClientSampled :

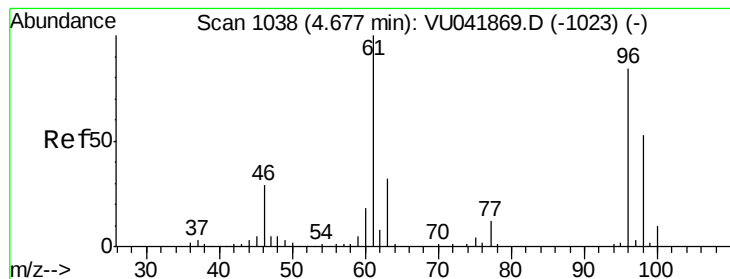
Tot Ion: 63 Resp: 99749
 Ion Ratio Lower Upper
 63 100
 65 32.7 21.3 39.6
 83 13.7 9.3 17.3



#21
 2-Butanone
 Concen: 43.855 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

Tgt Ion: 43 Resp: 155519
 Ion Ratio Lower Upper
 43 100
 72 33.5 14.6 44.0





#22

cis-1,2-Dichloroethene

Concen: 5.234 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.01 min

Lab File: VU041890.D

Acq: 07 Jan 2021 22:16

Instrument :

MSVOA_U

ClientSampleId :

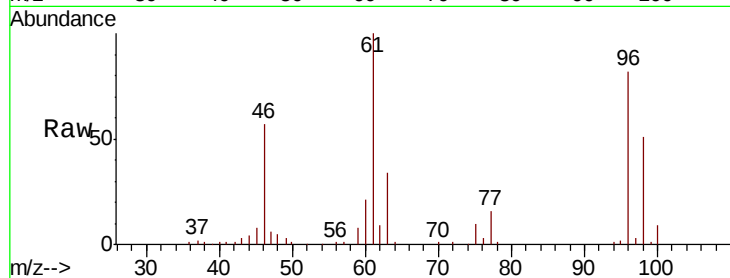
Tot Ion: 96 Resp: 61867

Ion Ratio Lower Upper

96 100

61 121.7 88.8 165.0

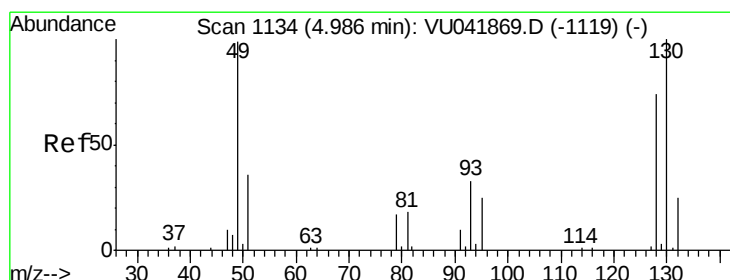
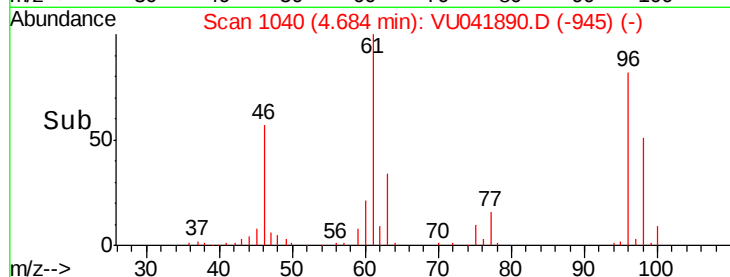
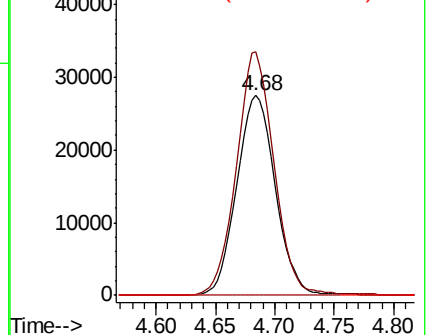
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041890.D (-1040) (-)

Ion 61.05 (60.75 to 61.75): VU041890.D (-1040) (-)

Ion 68.15 (67.85 to 68.85): VU041890.D (-1040) (-)



#23

Bromochloromethane

Concen: 5.609 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU041890.D

Acq: 07 Jan 2021 22:16

Tgt Ion:128 Resp: 30452

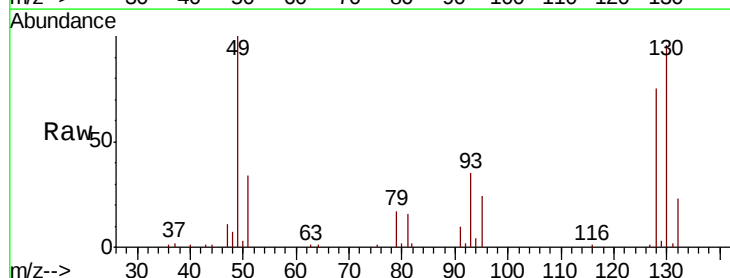
Ion Ratio Lower Upper

128 100

49 133.5 109.3 203.1

130 127.9 84.8 157.6

51 45.0 40.6 61.0

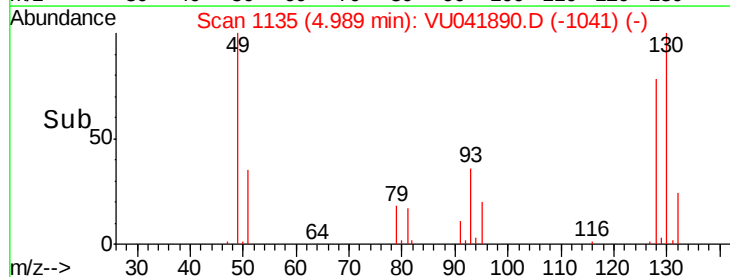
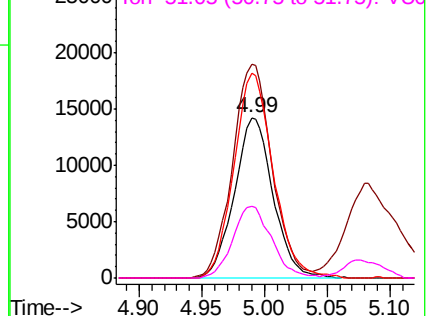


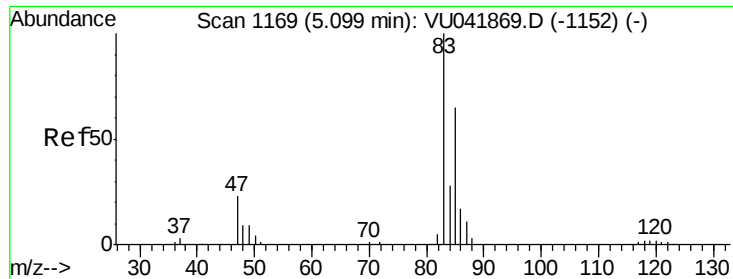
Abundance Ion 127.90 (127.60 to 128.60): VU041890.D (-1135) (-)

Ion 49.10 (48.80 to 49.80): VU041890.D (-1135) (-)

Ion 129.95 (129.65 to 130.65): VU041890.D (-1135) (-)

Ion 51.05 (50.75 to 51.75): VU041890.D (-1135) (-)

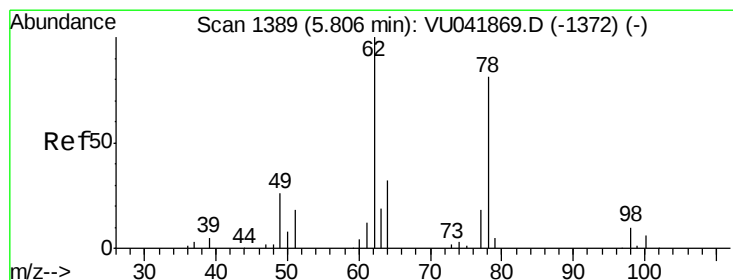
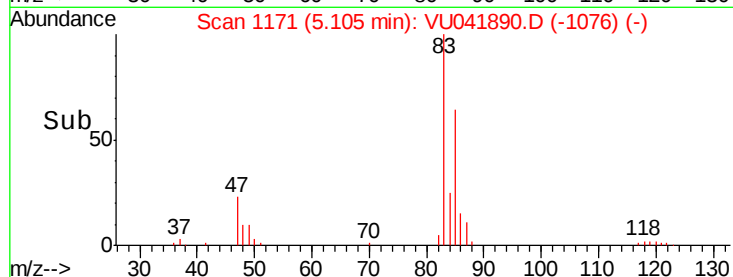
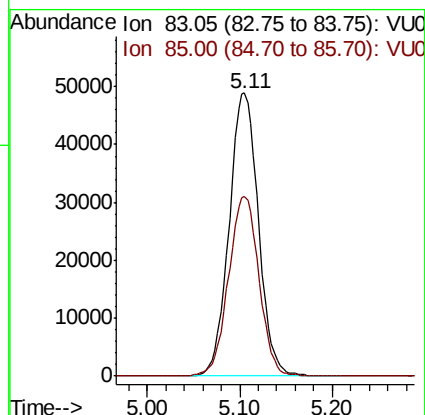
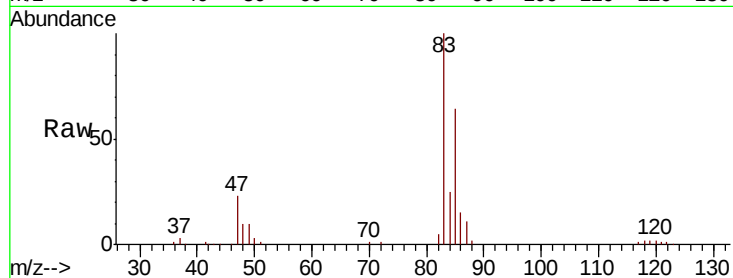




#25
Chloroform
Concen: 5.318 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VU041890.D
Acq: 07 Jan 2021 22:16

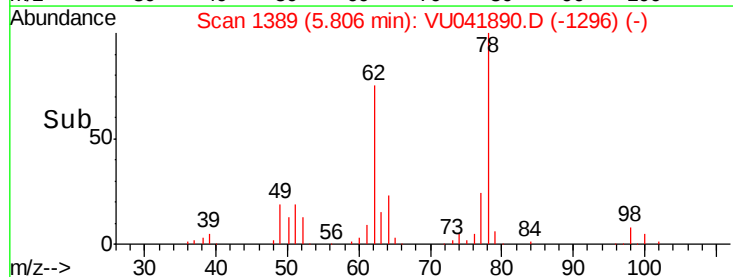
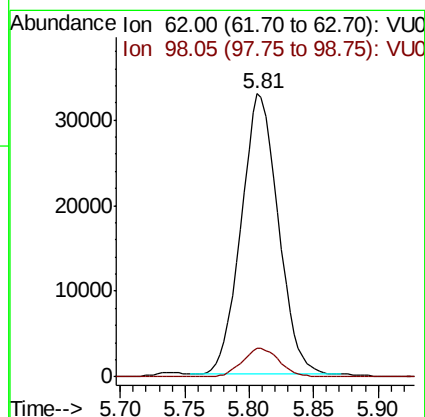
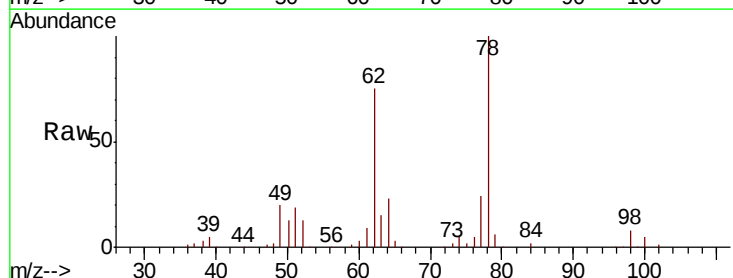
Instrument :
MSVOA_U
ClientSampled :

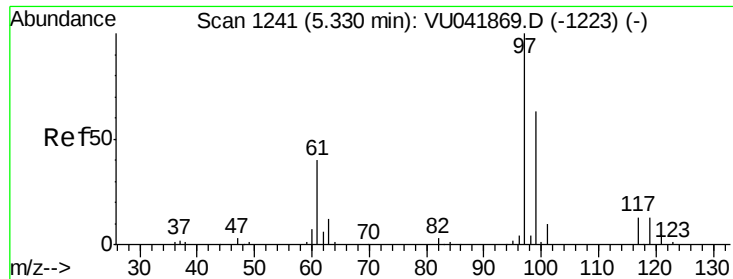
Tot Ion: 83 Resp: 107035
Ion Ratio Lower Upper
83 100
85 63.5 44.2 82.0



#27
1,2-Dichloroethane
Concen: 4.821 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU041890.D
Acq: 07 Jan 2021 22:16

Tgt Ion: 62 Resp: 65717
Ion Ratio Lower Upper
62 100
98 10.1 8.2 12.2

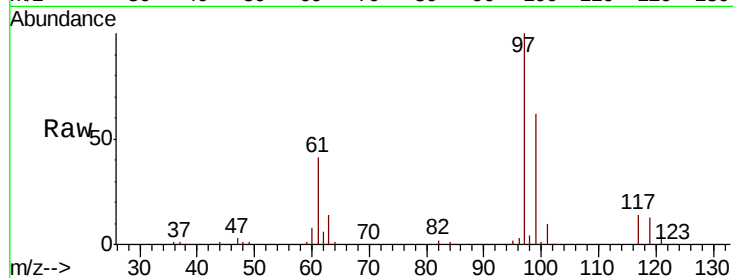




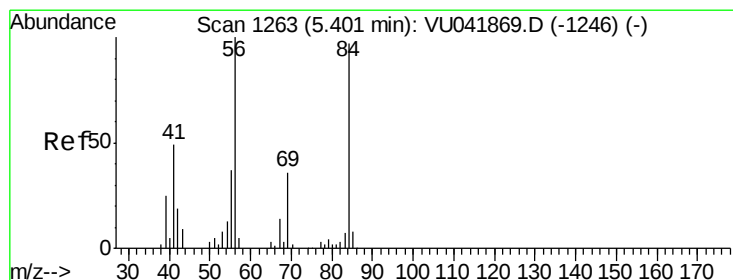
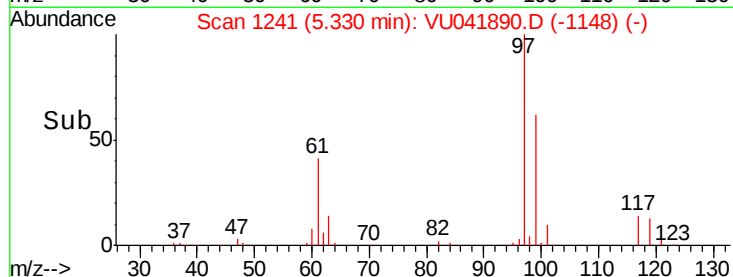
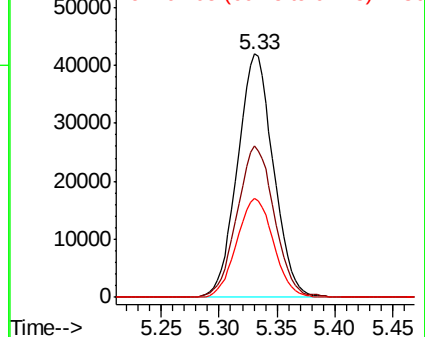
#29
1,1,1-Trichloroethane
Concen: 5.640 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VU041890.D
Acq: 07 Jan 2021 22:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 90387
Ion Ratio Lower Upper
97 100
99 64.6 51.3 76.9
61 41.5 36.5 54.7

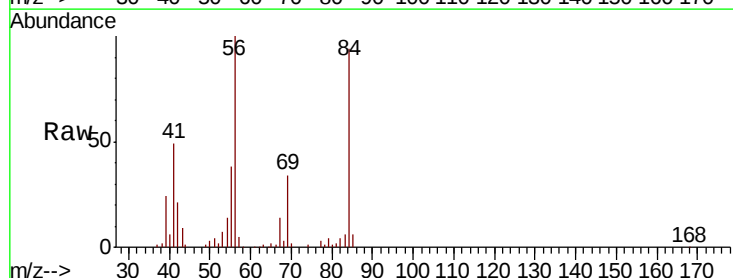


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

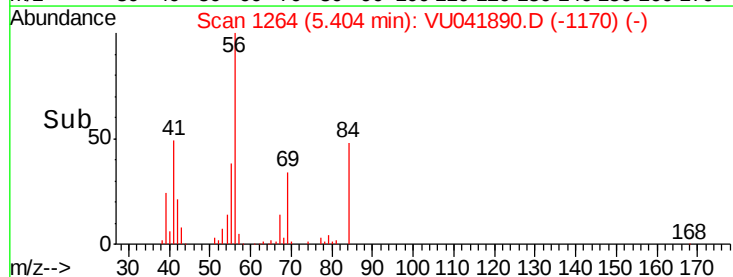
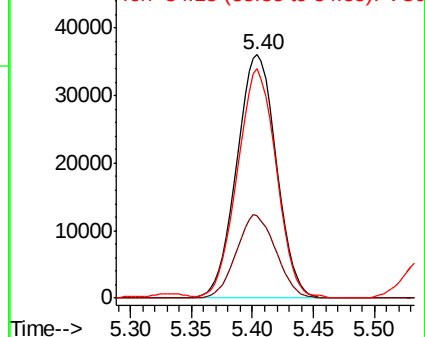


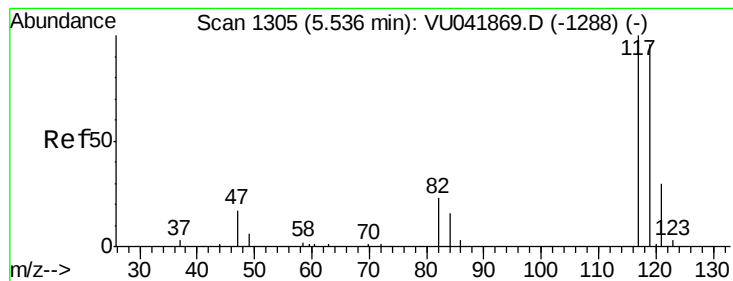
#30
Cyclohexane
Concen: 4.519 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041890.D
Acq: 07 Jan 2021 22:16

Tgt Ion: 56 Resp: 81159
Ion Ratio Lower Upper
56 100
69 33.9 23.8 35.8
84 92.6 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: 5.833 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041890.D

Acq: 07 Jan 2021 22:16

Instrument :

MSVOA_U

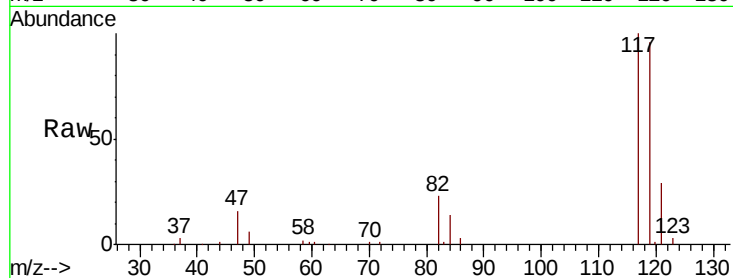
ClientSampleId :

Tot Ion:117 Resp: 80820

Ion Ratio Lower Upper

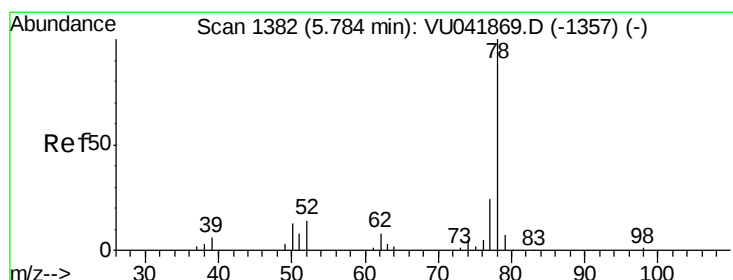
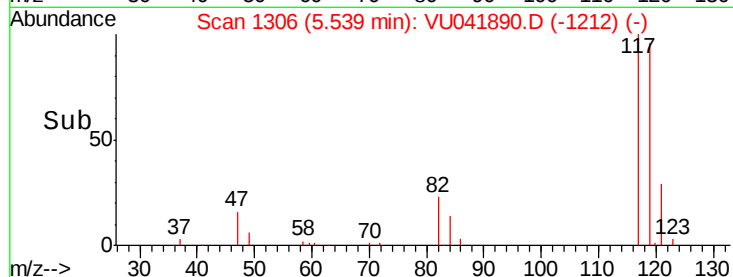
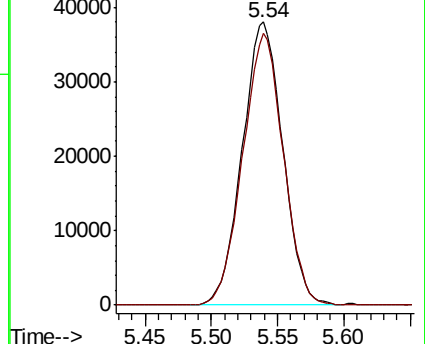
117 100

119 96.1 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: 5.254 ug/L

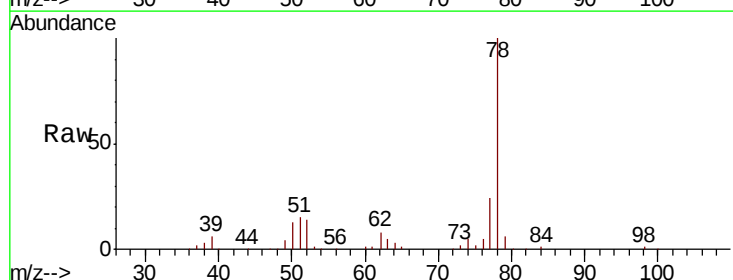
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

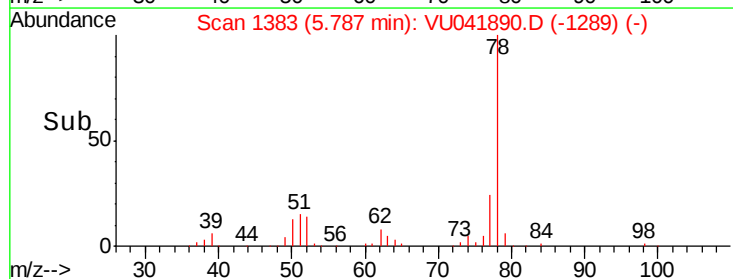
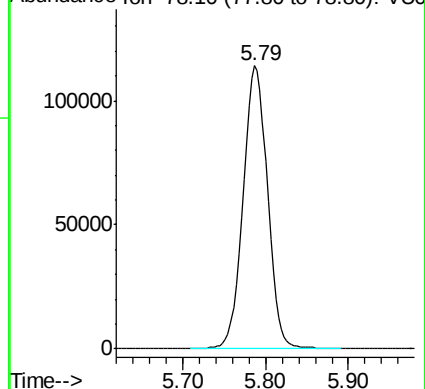
Lab File: VU041890.D

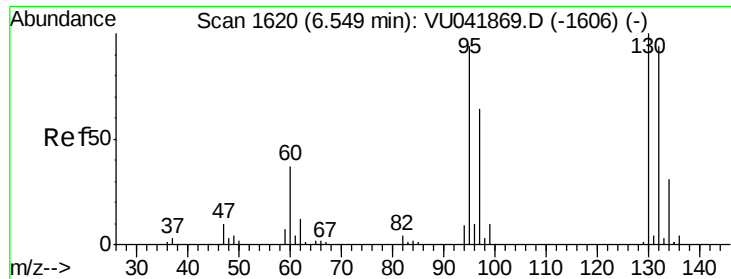
Acq: 07 Jan 2021 22:16

Tgt Ion: 78 Resp: 234453



Abundance Ion 78.10 (77.80 to 78.80): VU0

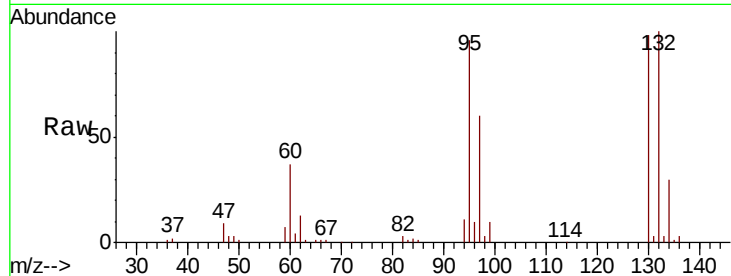




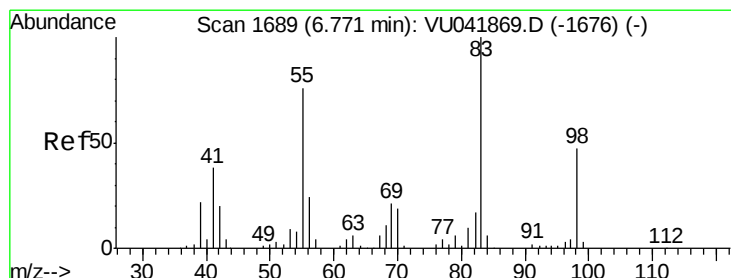
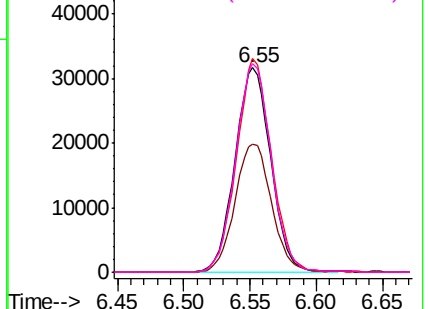
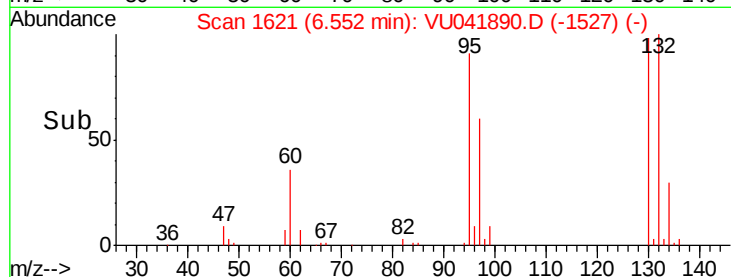
#34
 Trichloroethene
 Concen: 5.295 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 59375
 Ion Ratio Lower Upper
 95 100
 97 62.8 43.9 81.5
 132 104.3 63.1 117.3
 130 102.0 67.4 125.2

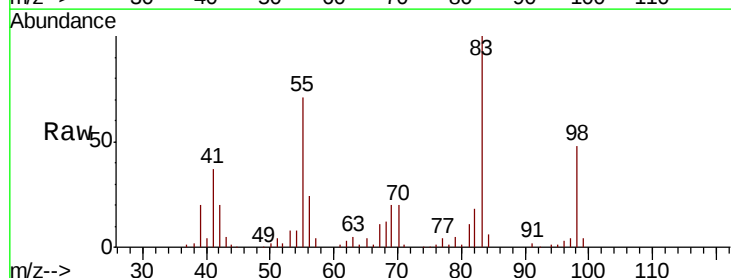


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

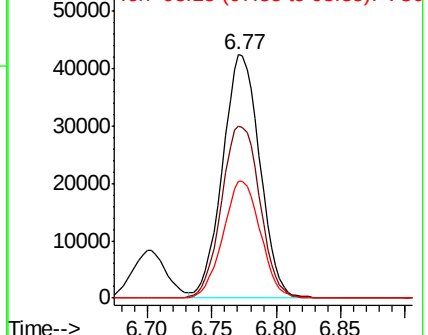
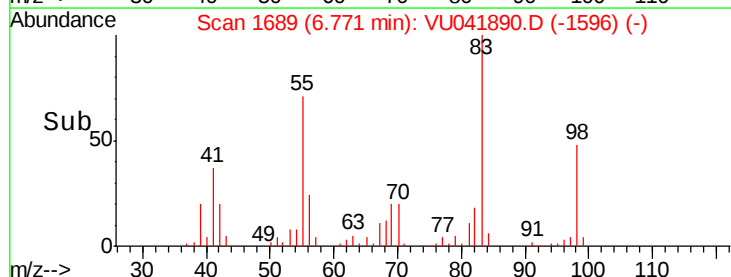


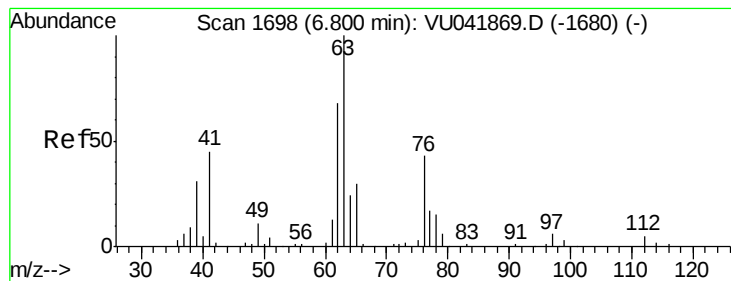
#35
 Methylcyclohexane
 Concen: 4.706 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

Tgt Ion: 83 Resp: 85308
 Ion Ratio Lower Upper
 83 100
 55 72.9 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: 4.912 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU041890.D

Acq: 07 Jan 2021 22:16

Instrument :

MSVOA_U

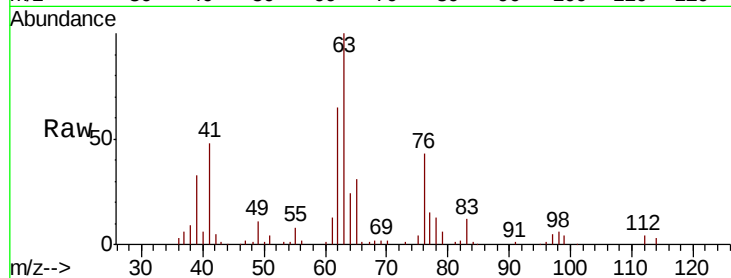
ClientSampleId :

Tot Ion: 63 Resp: 56070

Ion Ratio Lower Upper

63 100

112 4.3 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU041869.D (-1680) (-)

Ion 112.10 (111.80 to 112.80): VU041869.D (-1680) (-)

6.80

30000

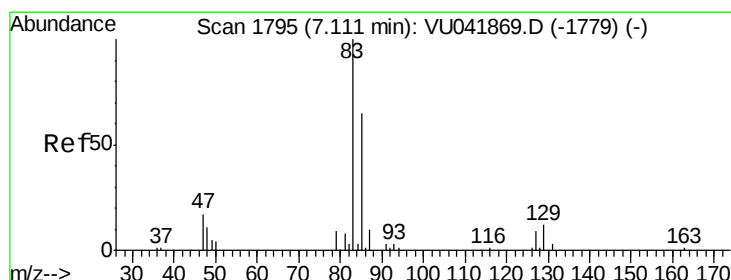
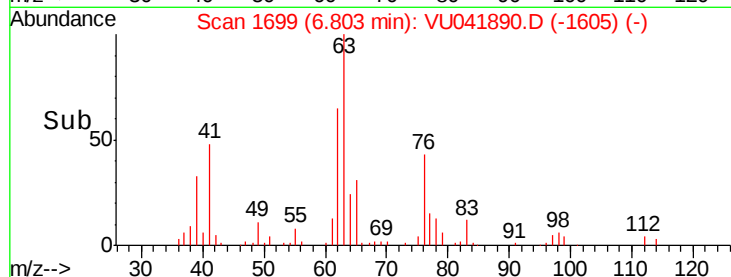
20000

10000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.252 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041890.D

Acq: 07 Jan 2021 22:16

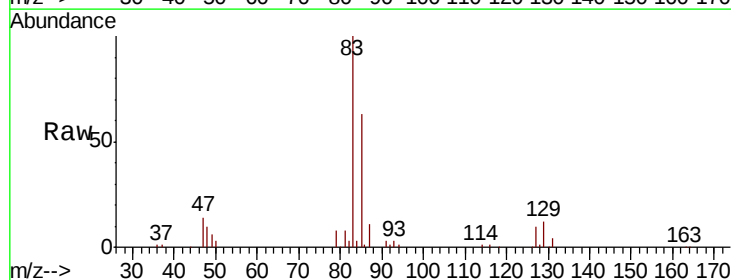
Tgt Ion: 83 Resp: 74586

Ion Ratio Lower Upper

83 100

85 63.1 45.5 84.5

127 9.7 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VU041869.D (-1779) (-)

Ion 85.00 (84.70 to 85.70): VU041869.D (-1779) (-)

Ion 126.90 (126.60 to 127.60): VU041869.D (-1779) (-)

7.11

50000

40000

30000

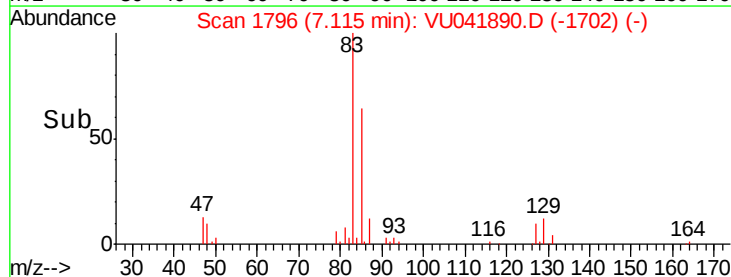
20000

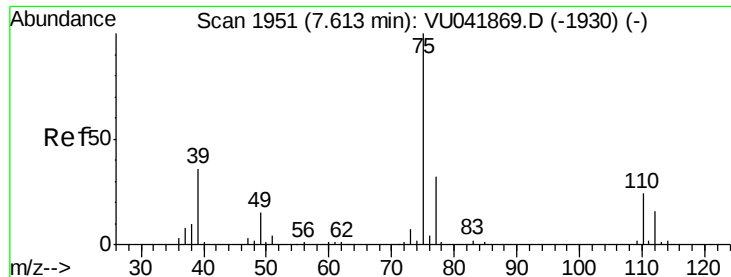
10000

0

7.05 7.10 7.15 7.20

Time-->

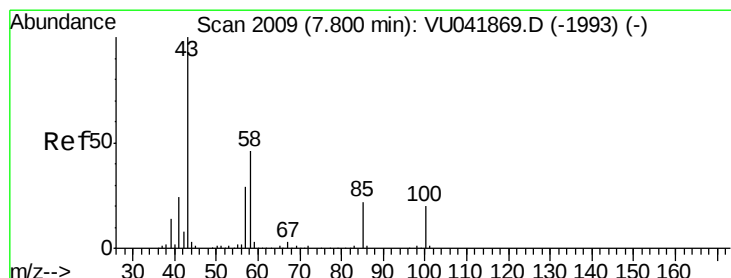
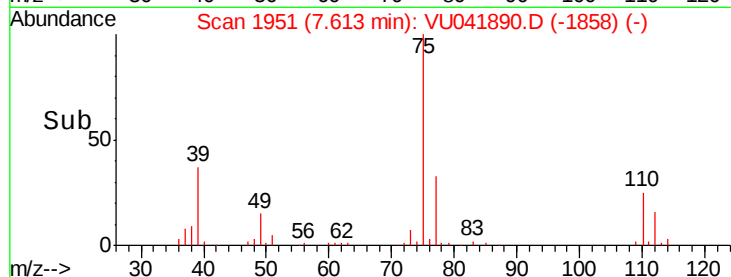
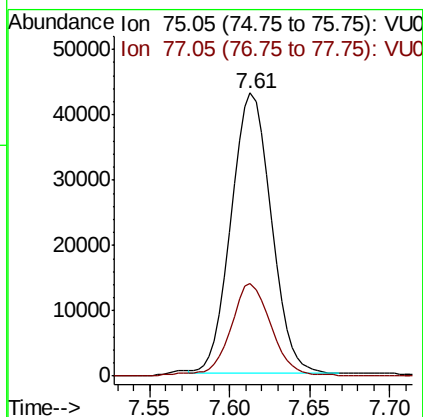
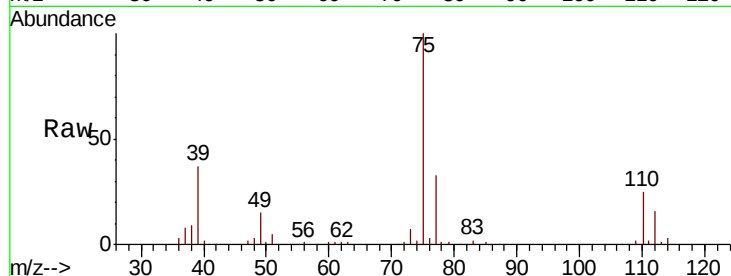




#39
 cis-1,3-Dichloropropene
 Concen: 4.345 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

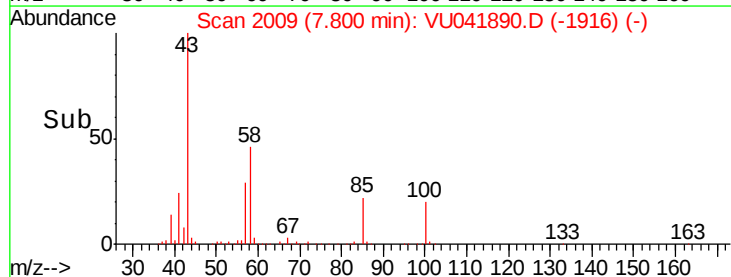
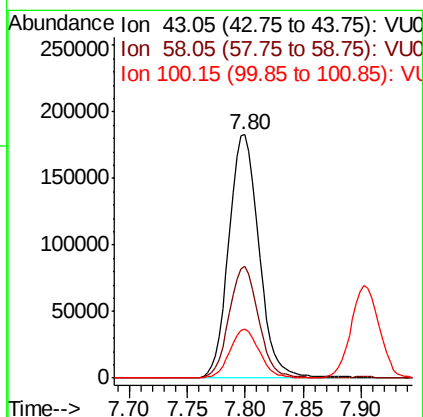
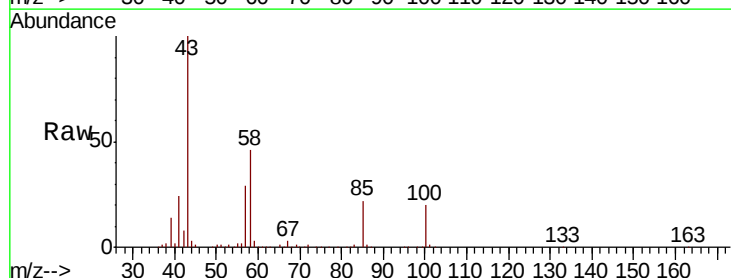
Instrument :
 MSVOA_U
 ClientSampleId :

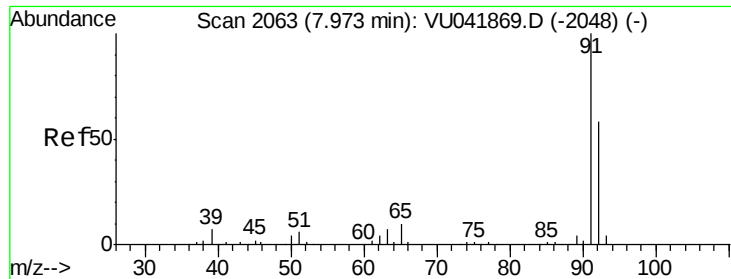
Tot Ion: 75 Resp: 73484
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 40.702 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

Tgt Ion: 43 Resp: 330607
 Ion Ratio Lower Upper
 43 100
 58 44.9 34.2 51.2
 100 19.7 12.3 18.5#





#42

Toluene

Concen: 5.060 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041890.D

Acq: 07 Jan 2021 22:16

Instrument :

MSVOA_U

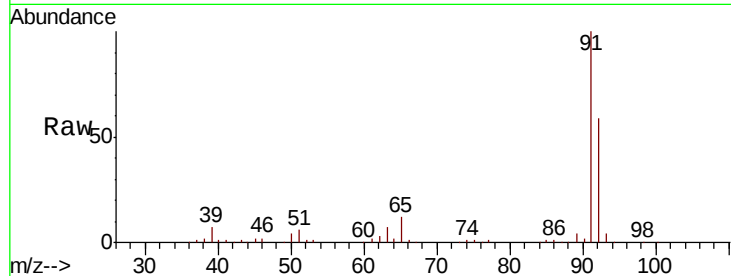
ClientSampleId :

Tot Ion: 91 Resp: 233148

Ion Ratio Lower Upper

91 100

92 58.7 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

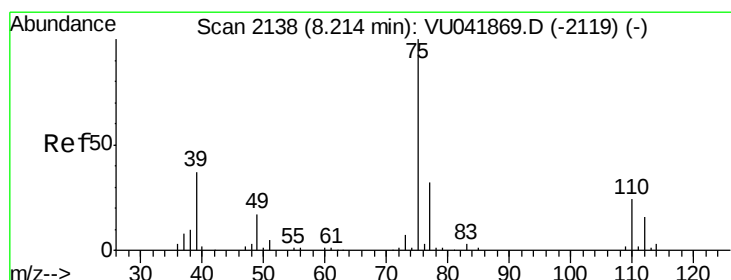
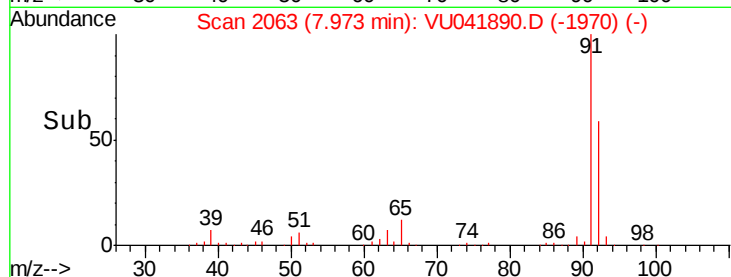
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.779 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041890.D

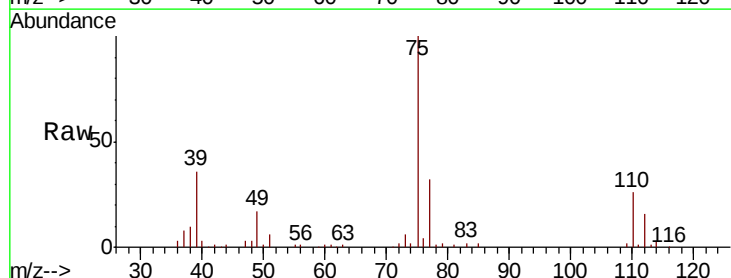
Acq: 07 Jan 2021 22:16

Tgt Ion: 75 Resp: 72291

Ion Ratio Lower Upper

75 100

77 32.1 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

50000

40000

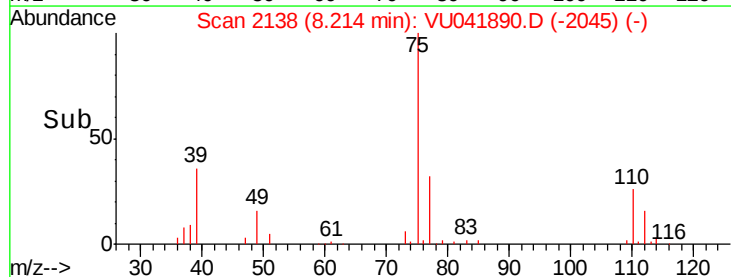
30000

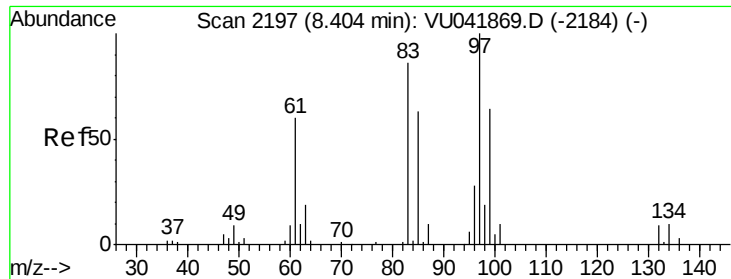
20000

10000

0

Time-->

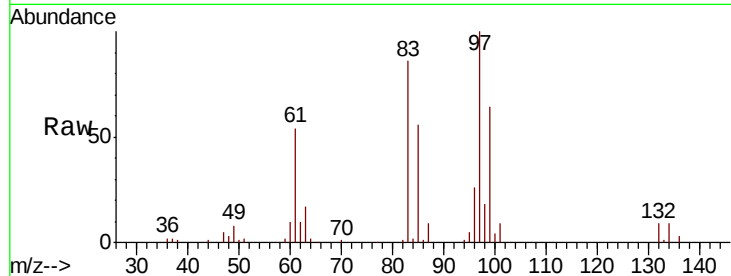




#45
1,1,2-Trichloroethane
Concen: 5.389 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041890.D
Acq: 07 Jan 2021 22:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	45494
Ion	Ratio	Lower	Upper
97	100		
99	63.8	42.1	78.3
83	85.9	62.6	116.2
85	56.0	39.1	72.7



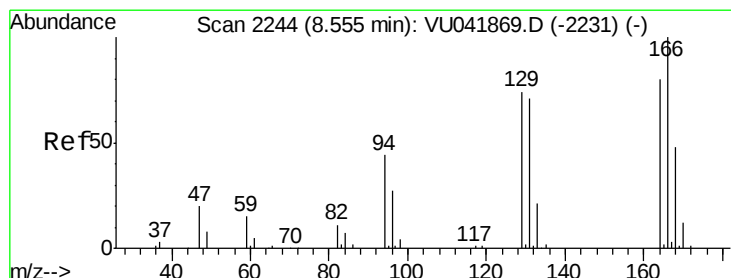
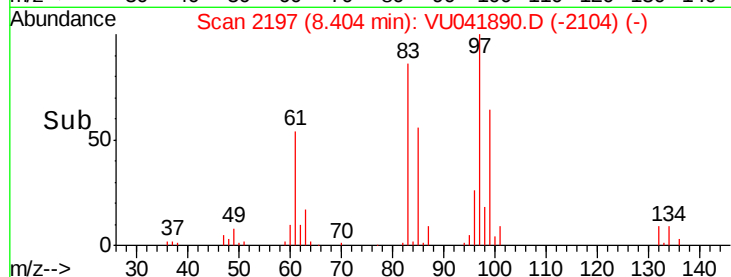
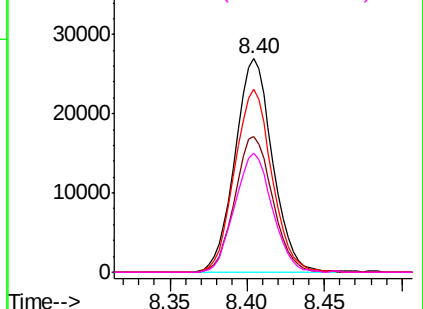
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

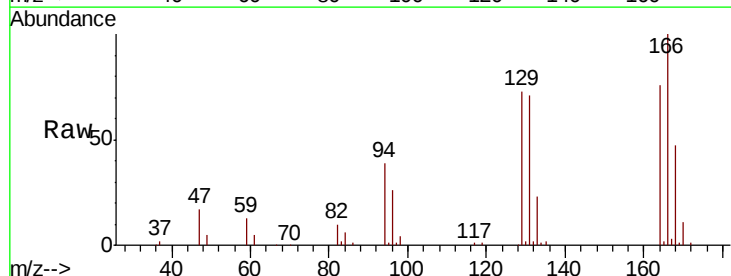
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
Tetrachloroethene
Concen: 5.910 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041890.D
Acq: 07 Jan 2021 22:16

Tgt Ion:	164	Resp:	46399
Ion	Ratio	Lower	Upper
164	100		
129	95.1	72.2	134.0
131	93.6	66.9	124.3
166	131.0	89.6	166.4



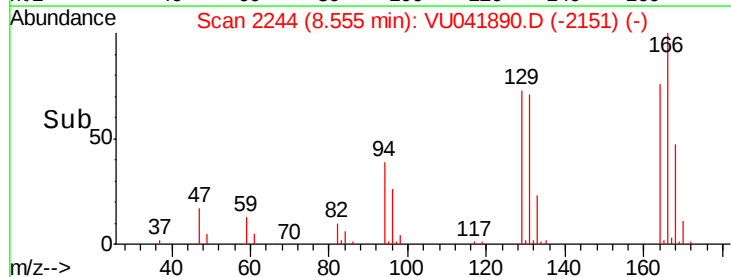
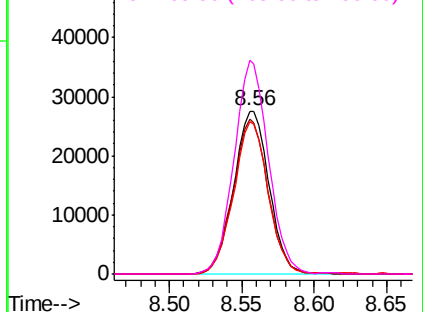
Abundance

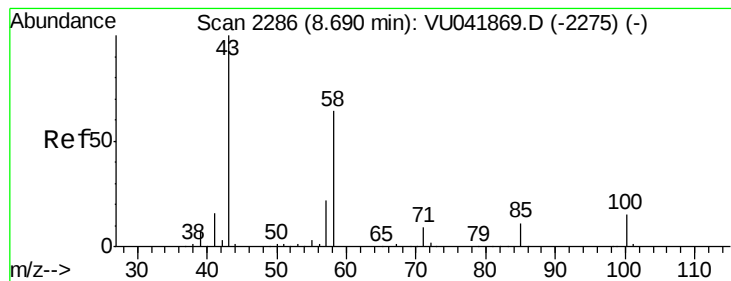
Ion 163.90 (163.60 to 164.60): V

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: 39.321 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041890.D

Acq: 07 Jan 2021 22:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 232441

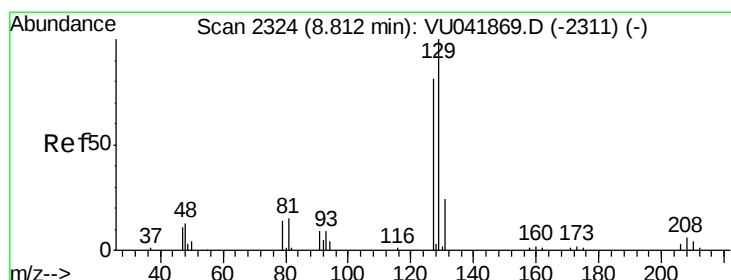
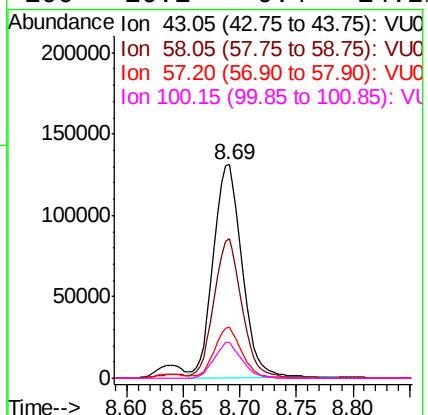
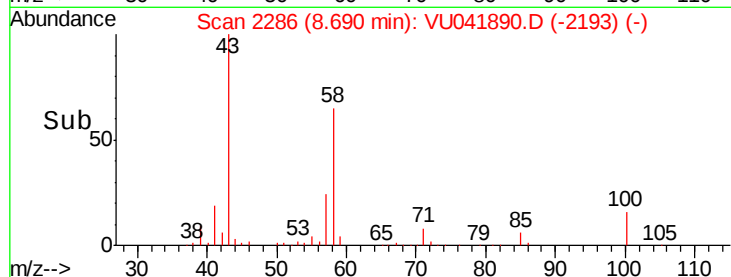
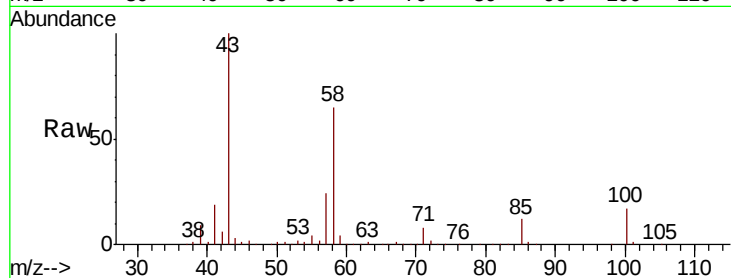
Ion Ratio Lower Upper

43 100

58 63.8 47.9 71.9

57 22.9 16.5 24.7

100 16.1 9.4 14.2#



#49

Dibromochloromethane

Concen: 5.405 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. 0.00 min

Lab File: VU041890.D

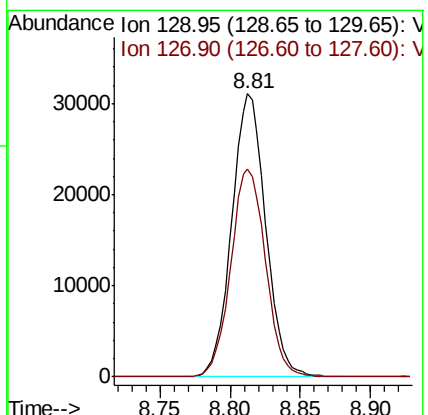
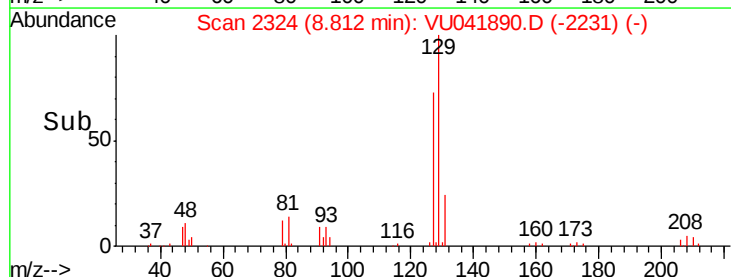
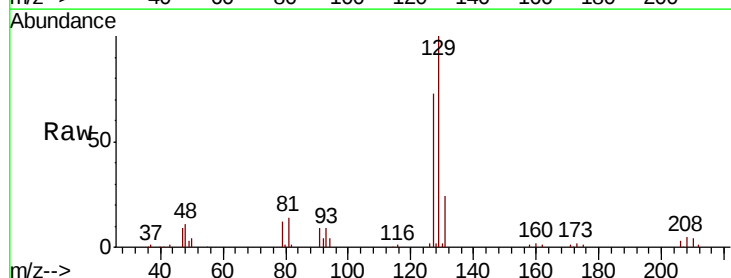
Acq: 07 Jan 2021 22:16

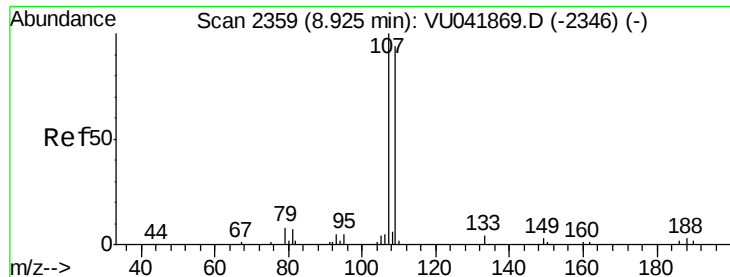
Tgt Ion: 129 Resp: 52413

Ion Ratio Lower Upper

129 100

127 73.4 54.7 101.7

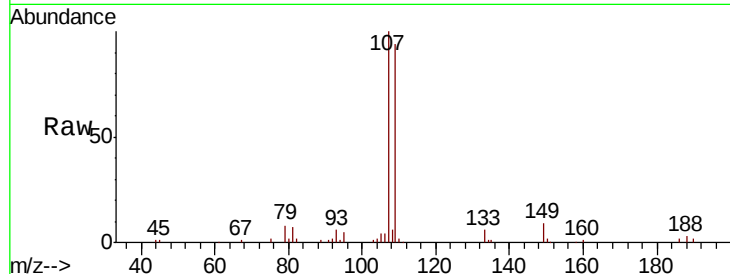




#50
 1,2-Dibromoethane
 Concen: 4.748 ug/L
 RT: 8.92 min Scan# 2359
 Delta R.T. 0.00 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	65.6	121.8
188	3.4	2.6	4.0

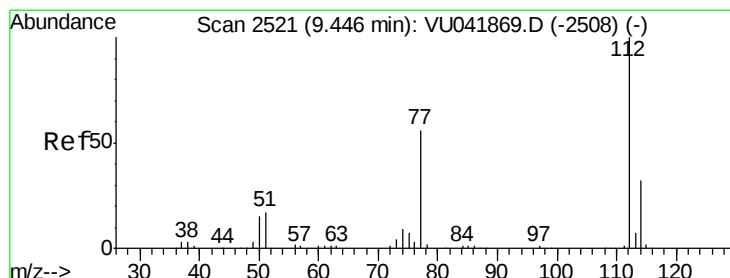
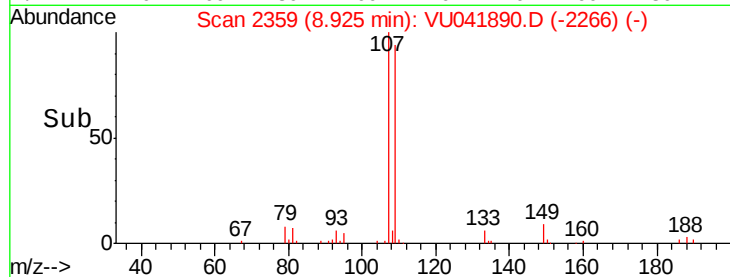
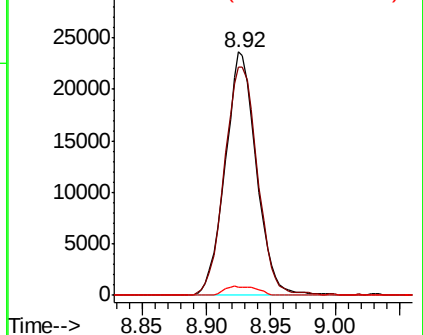


Abundance

Ion 106.95 (106.65 to 107.65): V

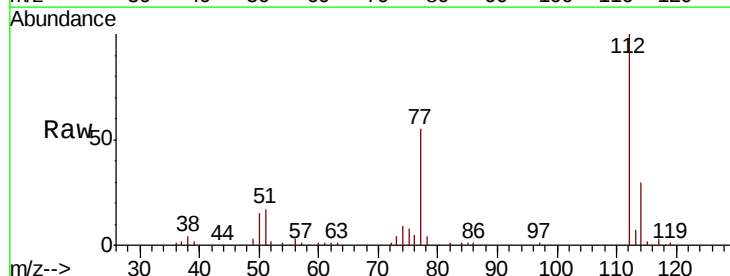
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 5.049 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.2	22.7	42.3
77	55.5	49.1	73.7

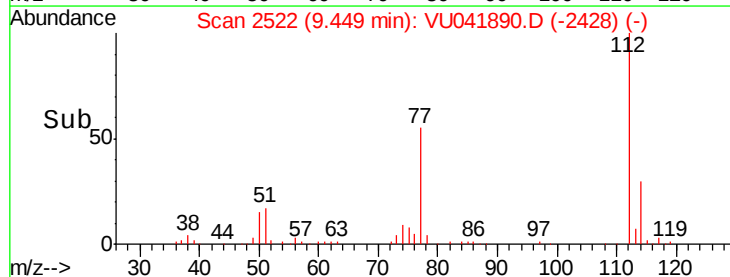
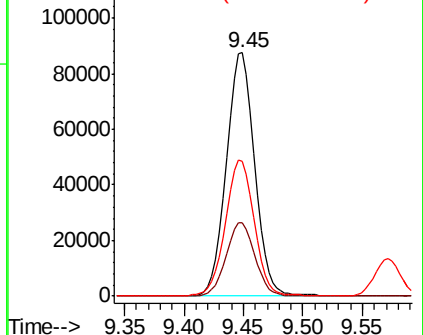


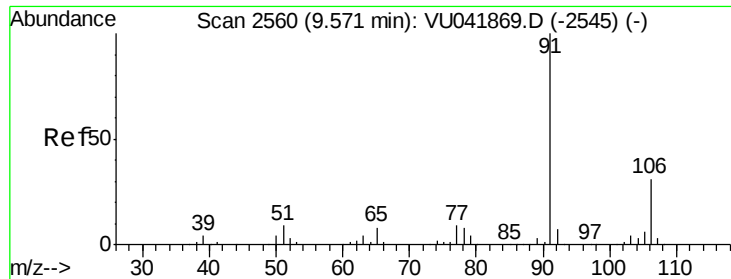
Abundance

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

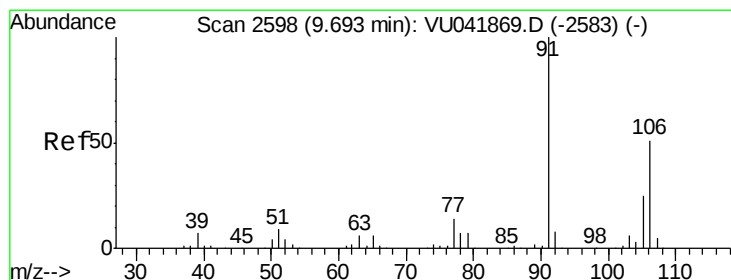
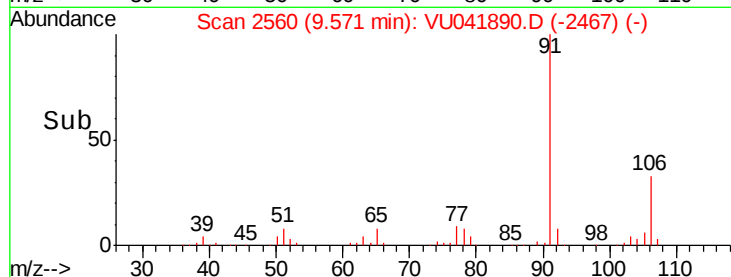
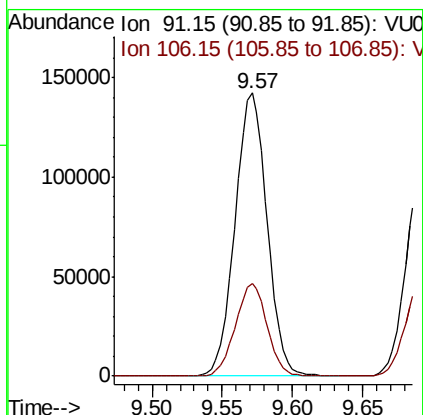
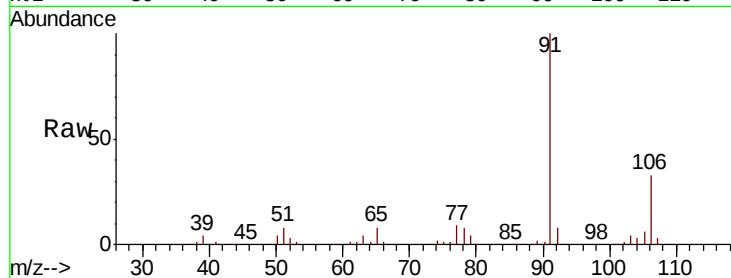




#52
Ethylbenzene
Concen: 4.620 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU041890.D
Acq: 07 Jan 2021 22:16

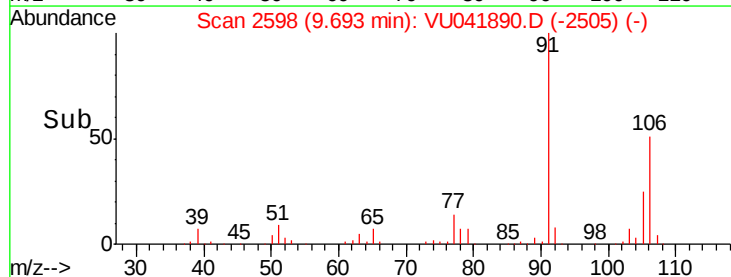
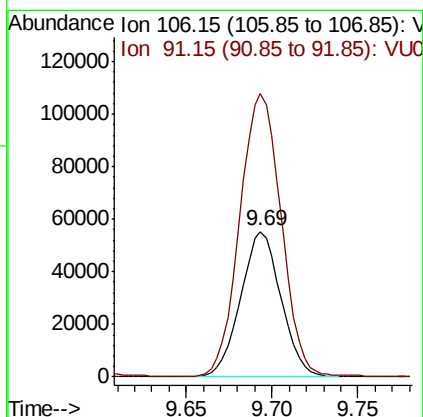
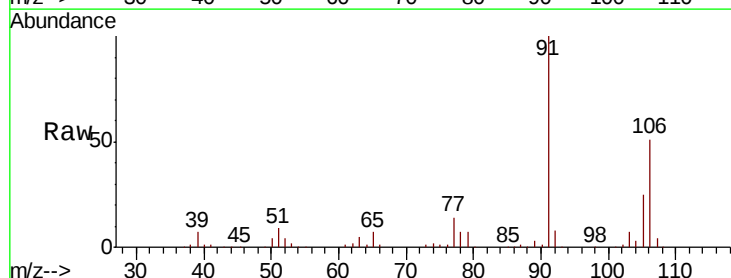
Instrument :
MSVOA_U
ClientSampleId :

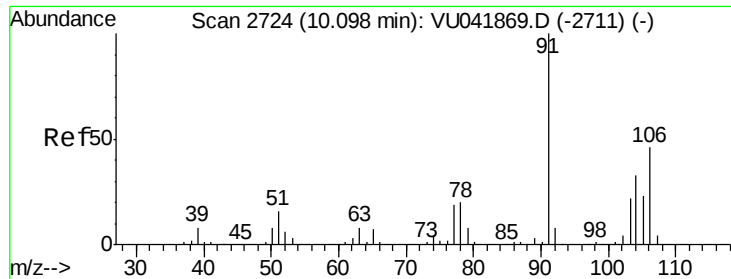
Tot Ion: 91 Resp: 226683
Ion Ratio Lower Upper
91 100
106 32.8 21.1 39.3



#53
m,p-Xylene
Concen: 4.891 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU041890.D
Acq: 07 Jan 2021 22:16

Tgt Ion: 106 Resp: 89500
Ion Ratio Lower Upper
106 100
91 194.4 140.4 260.8

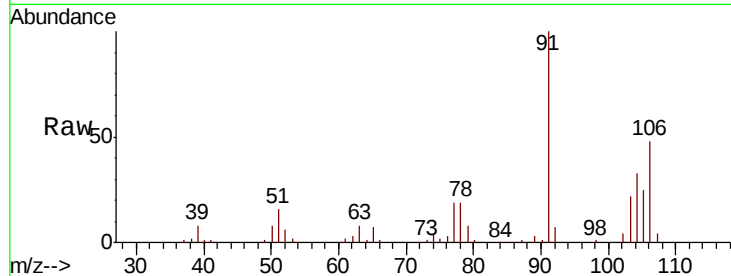




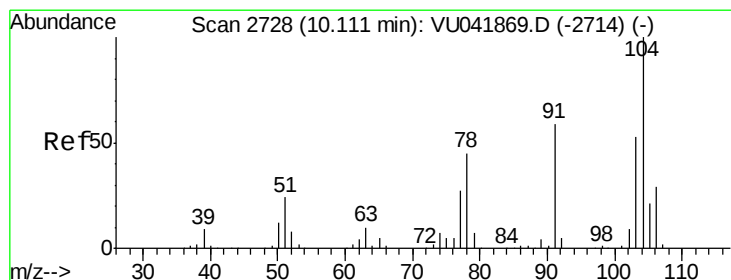
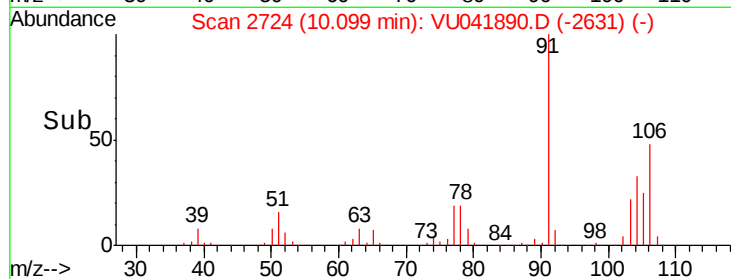
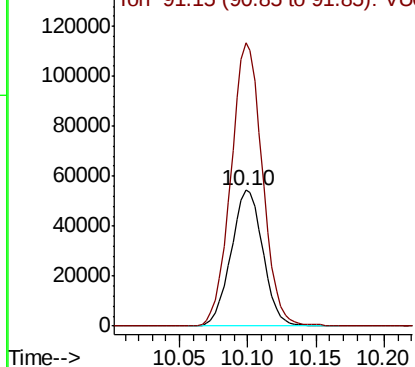
#54
o-Xylene
Concen: 4.922 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041890.D
Acq: 07 Jan 2021 22:16

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 88216
Ion Ratio Lower Upper
106 100
91 208.7 151.3 281.1

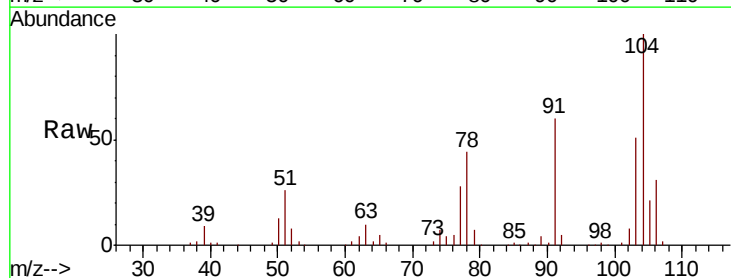


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

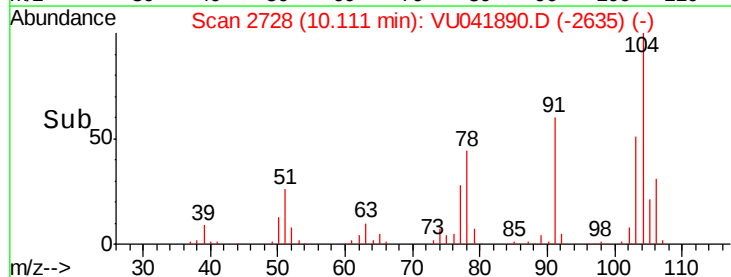
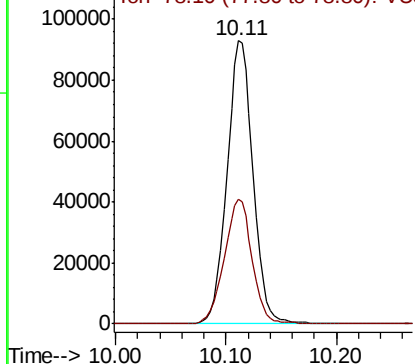


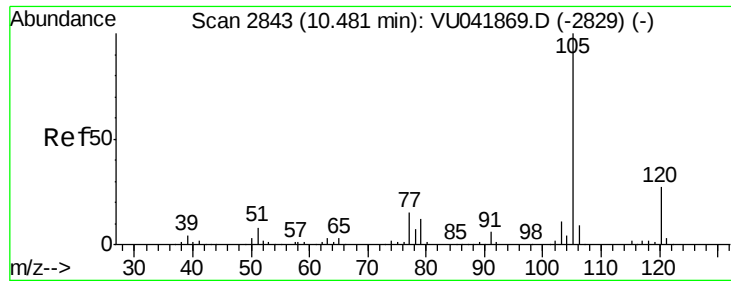
#55
Styrene
Concen: 4.900 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. 0.00 min
Lab File: VU041890.D
Acq: 07 Jan 2021 22:16

Tgt Ion:104 Resp: 151697
Ion Ratio Lower Upper
104 100
78 44.1 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: 4.841 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041890.D

Acq: 07 Jan 2021 22:16

Instrument :

MSVOA_U

ClientSampleId :

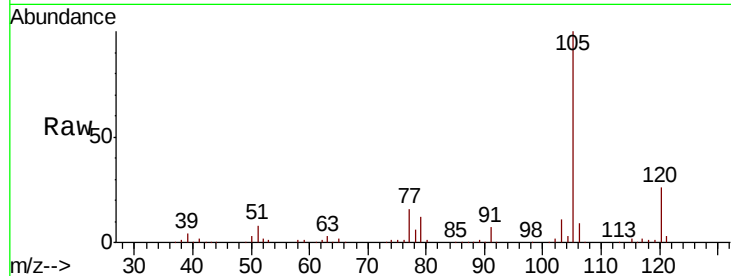
Tot Ion:105 Resp: 230952

Ion Ratio Lower Upper

105 100

120 26.6 20.5 30.7

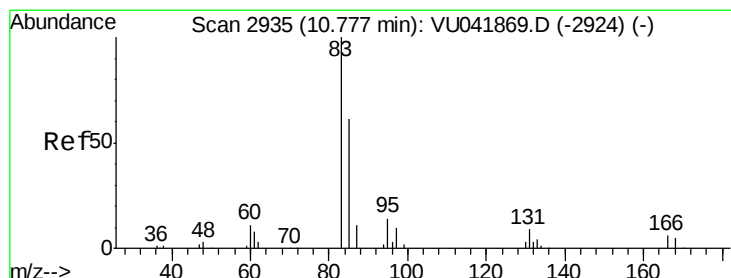
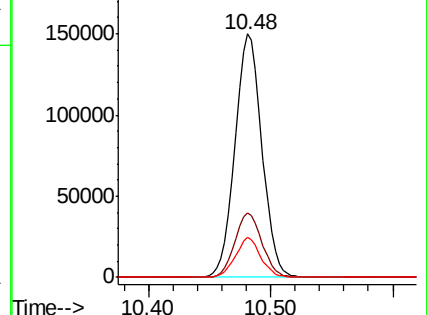
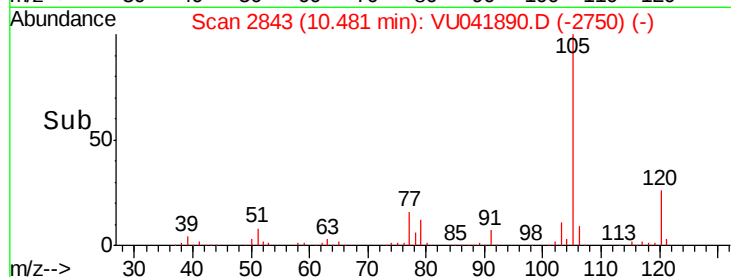
77 15.4 12.7 19.1



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: 4.572 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041890.D

Acq: 07 Jan 2021 22:16

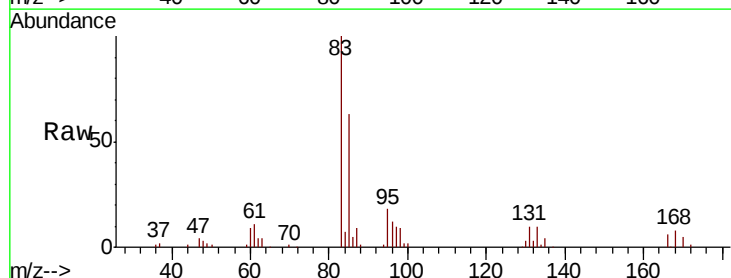
Tgt Ion: 83 Resp: 53709

Ion Ratio Lower Upper

83 100

85 63.0 46.1 85.7

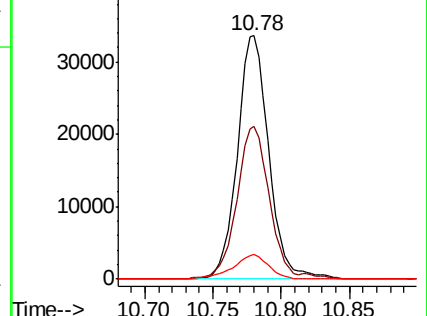
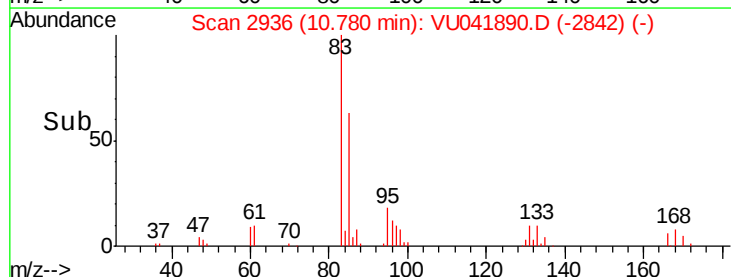
131 10.2 7.8 11.6

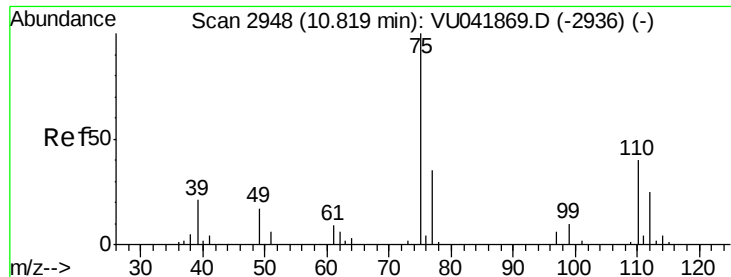


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

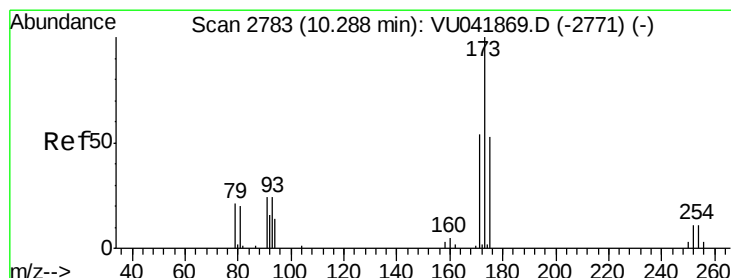
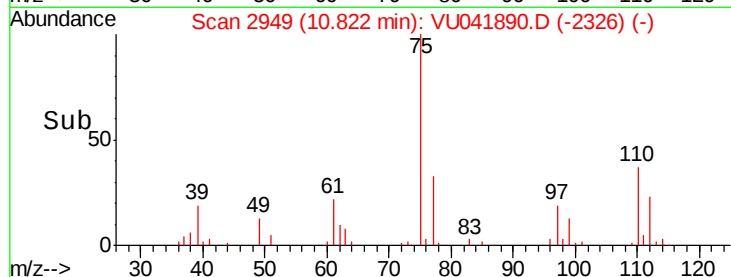
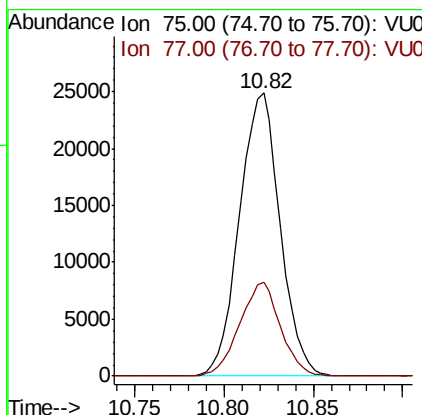
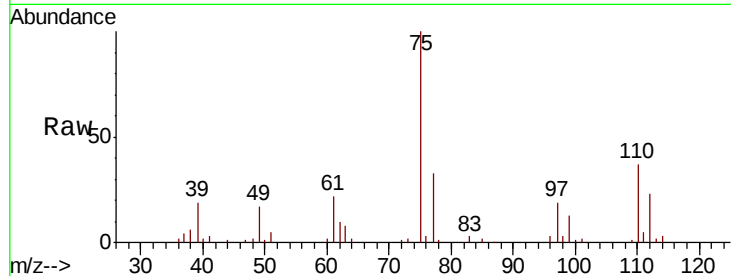




#59
 1,2,3-Trichloropropane
 Concen: 4.627 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

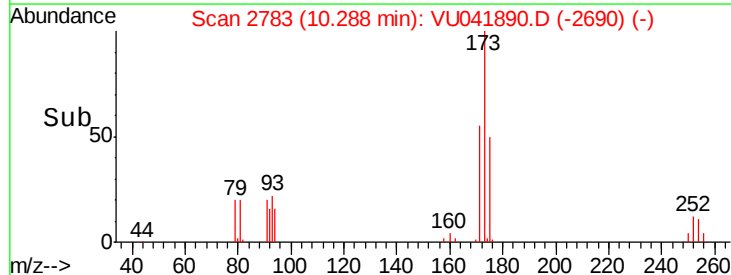
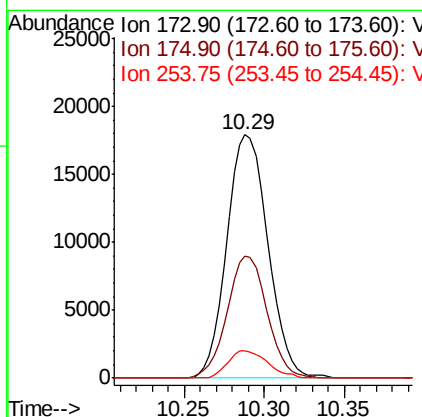
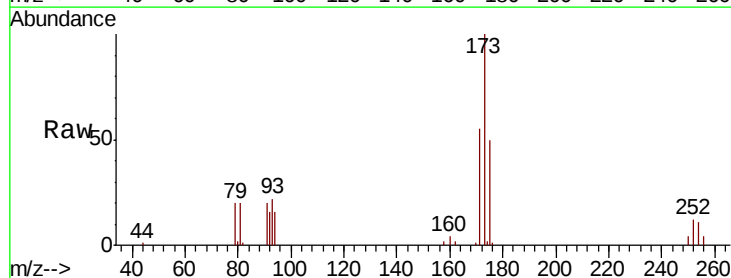
Instrument :
 MSVOA_U
 ClientSampleId :

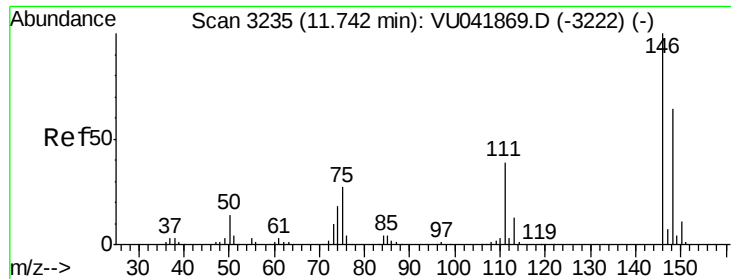
Tot Ion: 75 Resp: 39666
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.2 39.2



#61
 Bromoform
 Concen: 5.593 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

Tgt Ion: 173 Resp: 31377
 Ion Ratio Lower Upper
 173 100
 175 48.6 37.3 55.9
 254 10.8 7.4 11.2

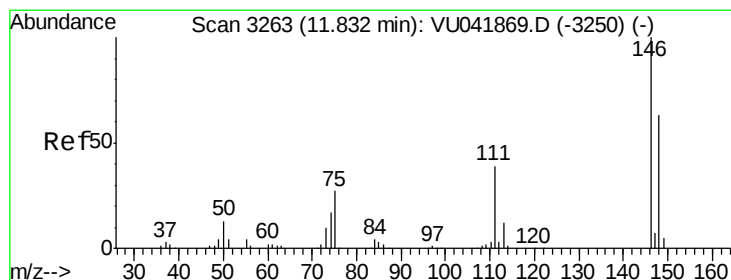
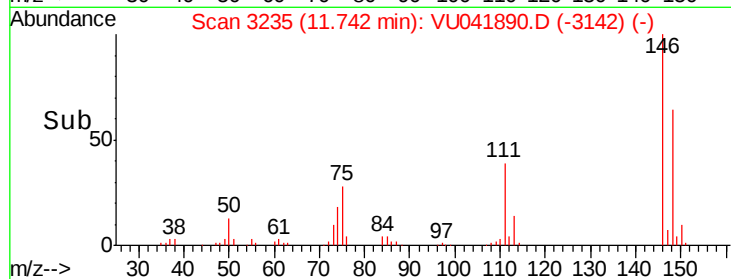
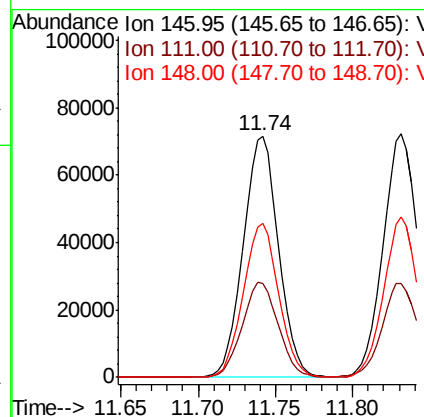
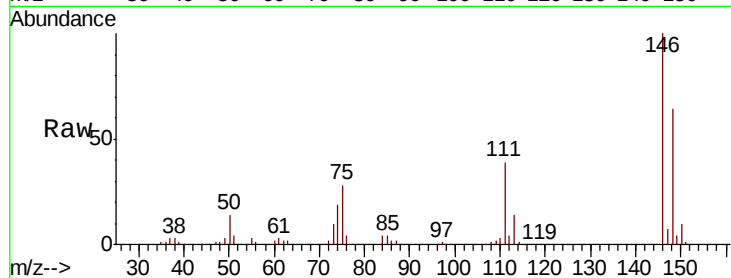




#62
 1,3-Dichlorobenzene
 Concen: 4.994 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

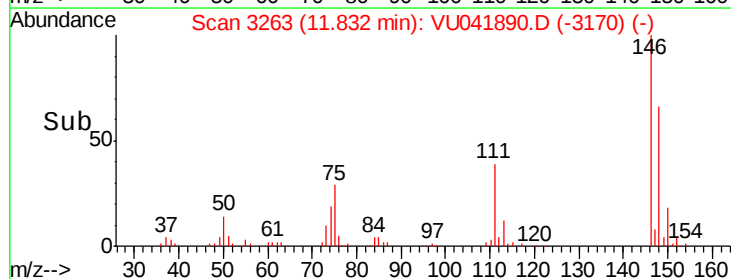
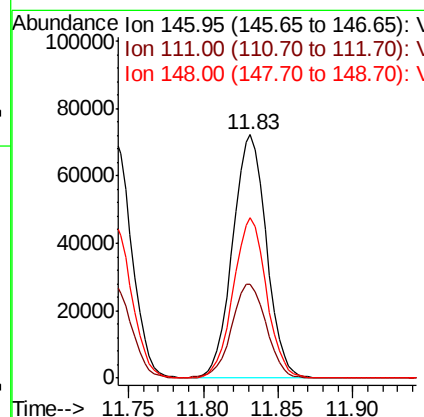
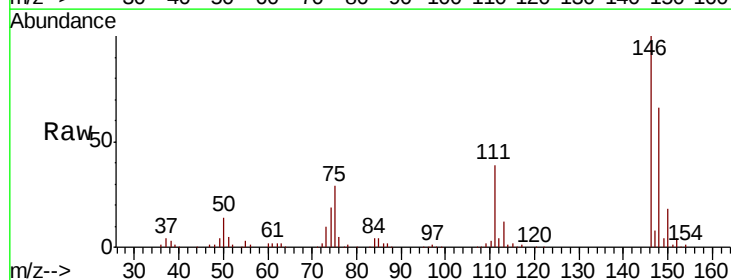
Instrument :
 MSVOA_U
 ClientSampled :

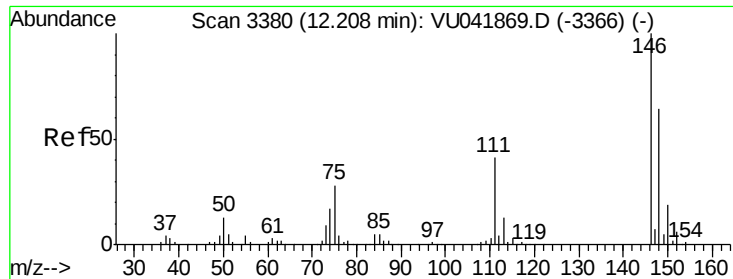
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	30.0	55.8
148	63.7	44.9	83.3



#63
 1,4-Dichlorobenzene
 Concen: 4.985 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	27.9	51.9
148	65.7	45.0	83.6

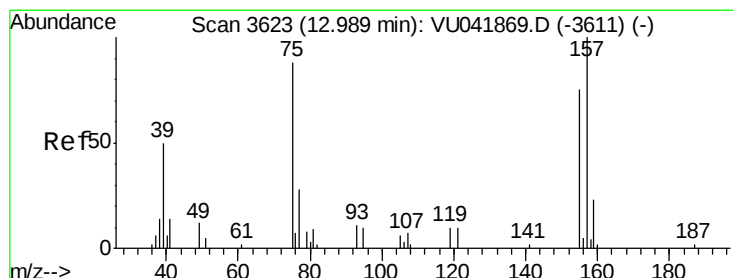
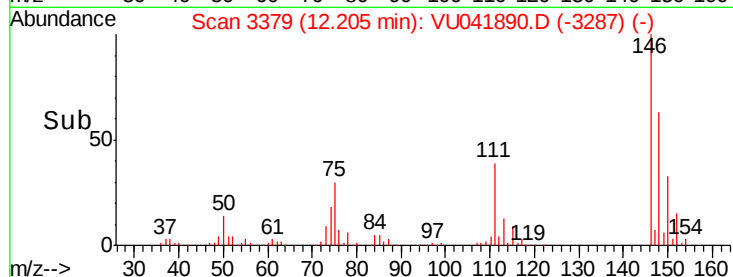
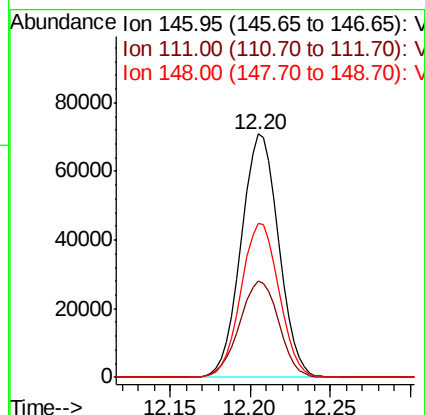
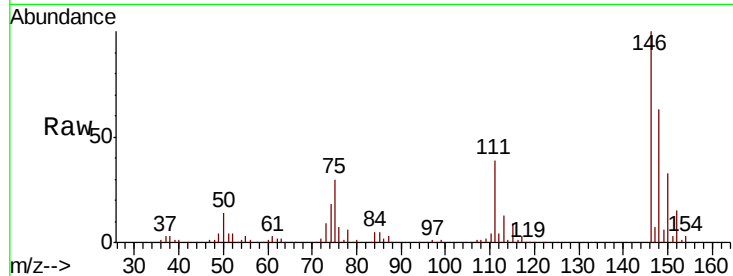




#65
 1,2-Dichlorobenzene
 Concen: 5.115 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

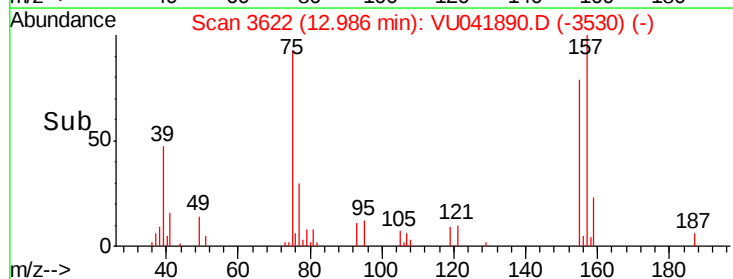
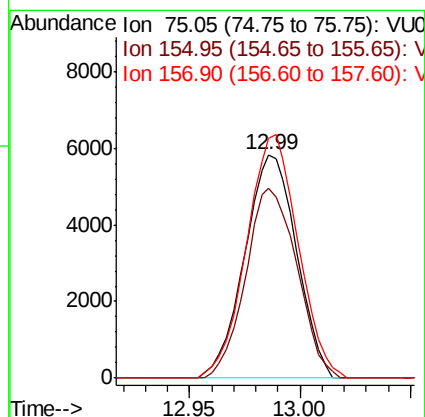
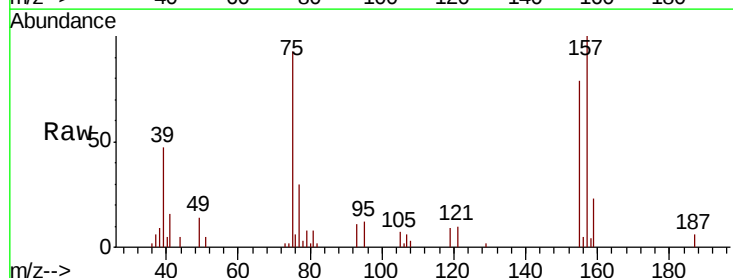
Instrument :
 MSVOA_U
 ClientSampleId :

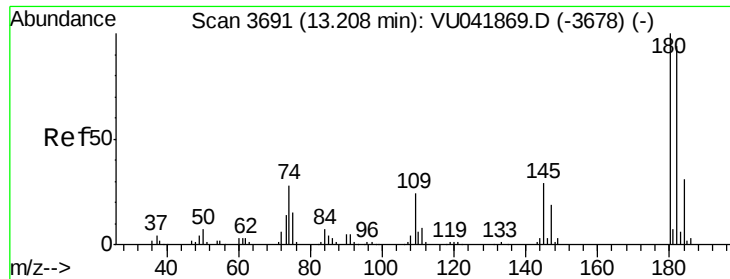
Tot Ion:146 Resp: 113684
 Ion Ratio Lower Upper
 146 100
 111 39.5 35.0 52.6
 148 63.2 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.570 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

Tgt Ion: 75 Resp: 9525
 Ion Ratio Lower Upper
 75 100
 155 84.8 57.4 86.0
 157 107.1 72.4 108.6

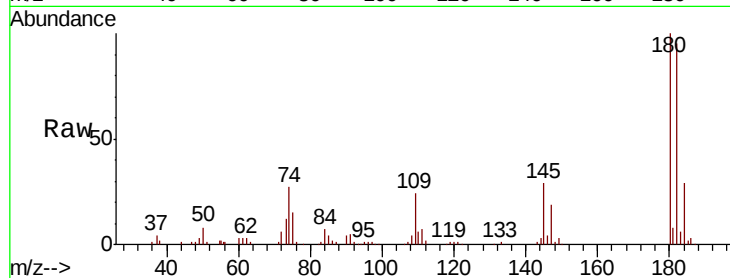




#67
 1,3,5-Trichlorobenzene
 Concen: 4.751 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	180	Resp	81846
Ion Ratio	Lower	Upper	
180	100		
182	95.0	76.3	114.5
184	30.0	24.1	36.1
145	29.8	24.1	36.1



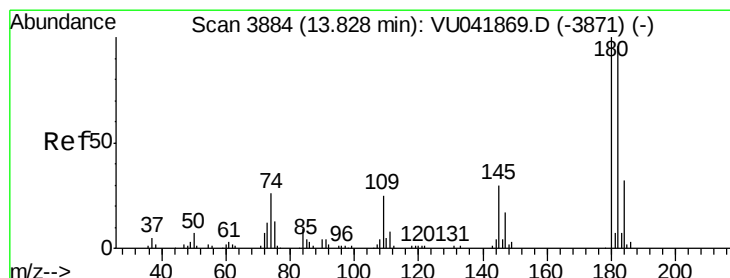
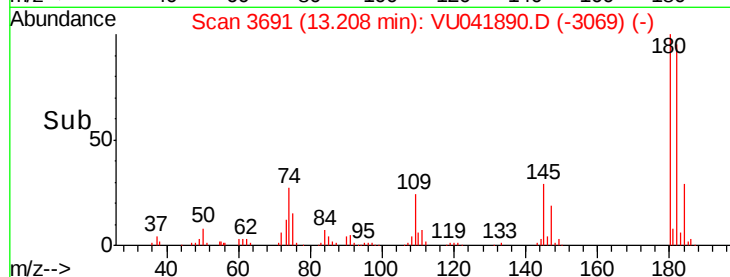
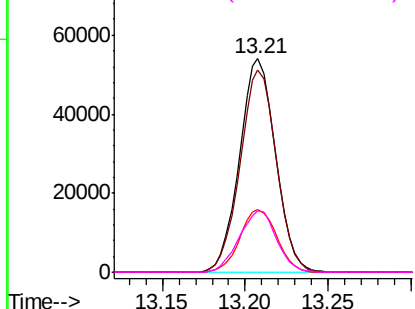
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

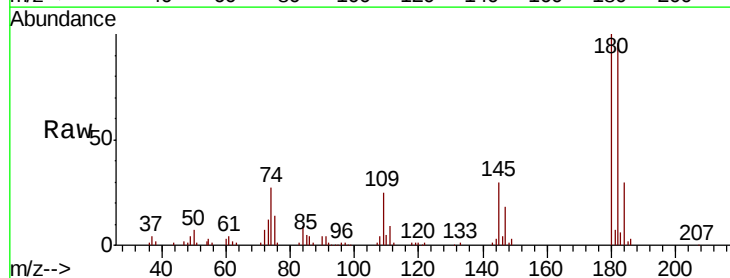
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.378 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041890.D
 Acq: 07 Jan 2021 22:16

Tgt Ion	180	Resp	63296
Ion Ratio	Lower	Upper	
180	100		
182	97.3	75.4	113.0
145	29.8	24.5	36.7

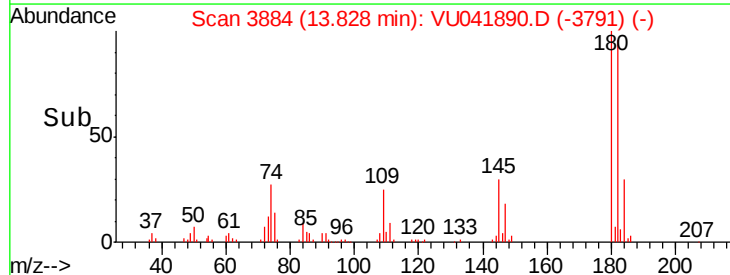
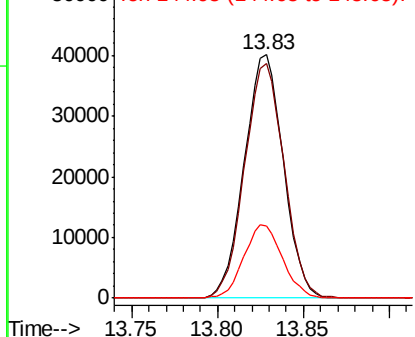


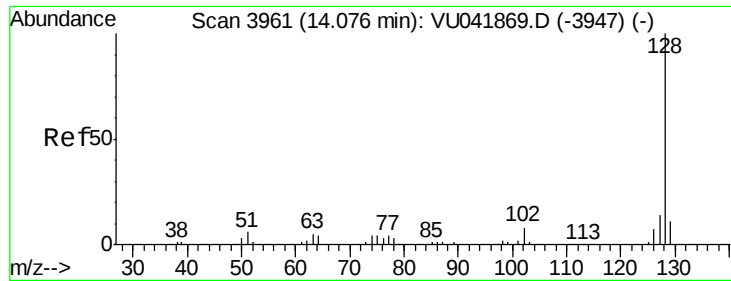
Abundance

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

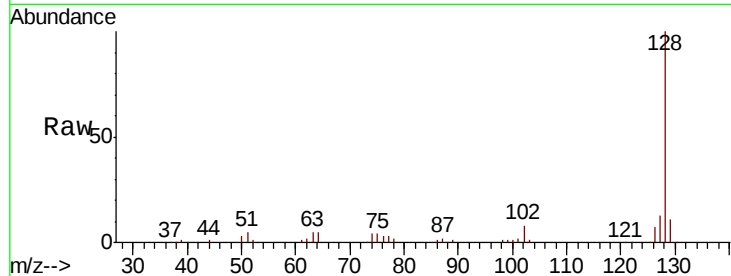




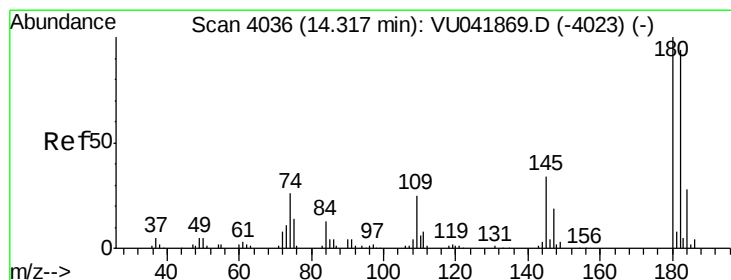
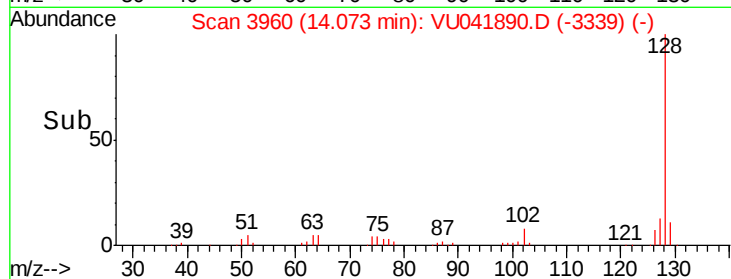
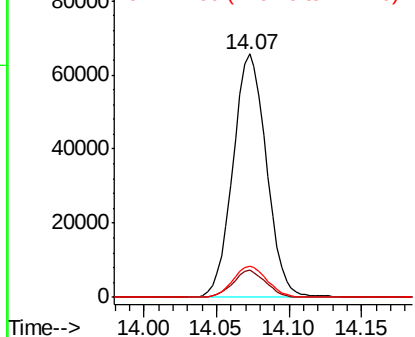
#69
Naphthalene
Concen: 3.527 ug/L
RT: 14.07 min Scan# 3960
Delta R.T. -0.00 min
Lab File: VU041890.D
Acq: 07 Jan 2021 22:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 105566
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 13.1 10.2 15.4

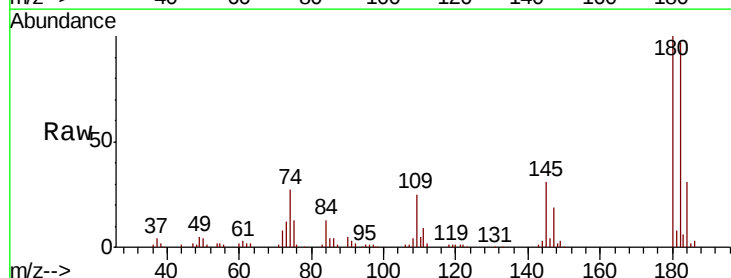


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 4.530 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU041890.D
Acq: 07 Jan 2021 22:16

Tgt Ion:180 Resp: 62429
Ion Ratio Lower Upper
180 100
182 94.5 77.0 115.4
145 30.6 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

