

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110920\
 Data File : VU041142.D
 Acq On : 09 Nov 2020 15:46
 Operator : SY/MD
 Sample : L4648-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AB2

Quant Time: Nov 10 01:12:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 01:04:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	55188	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57948	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24980	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15835	3.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.20%
7) Chloroethane-d5	1.92	69	14872	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.40%
11) 1,1-Dichloroethene-d2	2.58	63	25242	2.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.60%#
20) 2-Butanone-d5	4.65	46	81220	53.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.40%
24) Chloroform-d	5.08	84	42670	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.72	65	26901	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
32) Benzene-d6	5.75	84	71006	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.70	67	25891	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.91	98	58826	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	8.19	79	9735	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.64	63	60581	51.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.88%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23221	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	25055	5.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	103	0.031	ug/L #	43
9) Trichlorofluoromethane	2.15	101	91396	12.973	ug/L	98
13) Acetone	2.66	43	2414	2.313	ug/L	98
15) Methyl Acetate	3.01	43	644	0.270	ug/L #	53
22) cis-1,2-Dichloroethene	4.69	96	1871	0.458	ug/L	99
25) Chloroform	5.11	83	1684	0.212	ug/L	91
27) 1,2-Dichloroethane	5.75	62	356	0.060	ug/L #	74
31) Carbon tetrachloride	5.54	117	1748	0.279	ug/L	93
33) Benzene	5.79	78	1055	0.061	ug/L	100
34) Trichloroethene	6.56	95	11679	2.650	ug/L	97
35) Methylcyclohexane	6.71	83	5777	0.879	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	3044	0.650	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	778	0.121	ug/L	84
40) 4-Methyl-2-pentanone	7.73	43	6792	1.818	ug/L #	45
44) trans-1,3-Dichloropropene	8.19	75	499	0.083	ug/L #	78
45) 1,1,2-Trichloroethane	8.40	97	346	0.099	ug/L #	77
47) Tetrachloroethene	8.56	164	136316	42.071	ug/L	97

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QLast Update : Tue Nov 10 01:04:12 2020
Response via : Initial Calibration

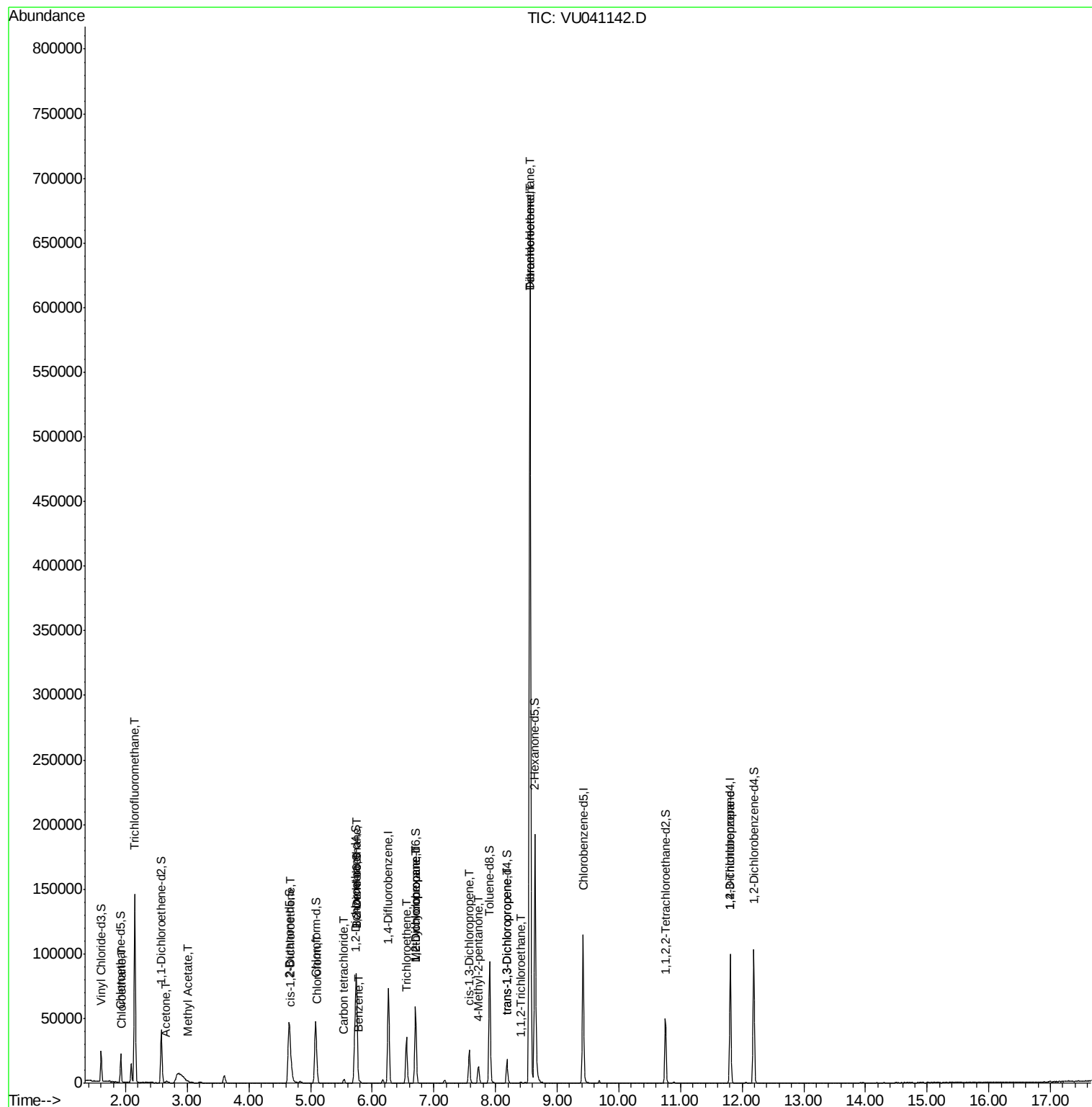
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.56	129	138273	34.139	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3299	0.945	ug/L #	88

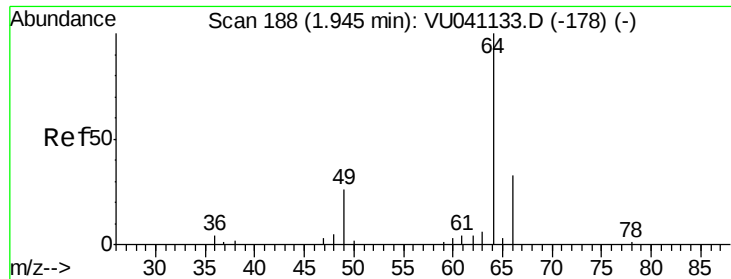
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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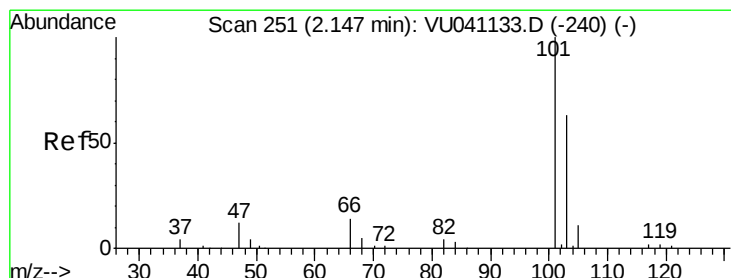
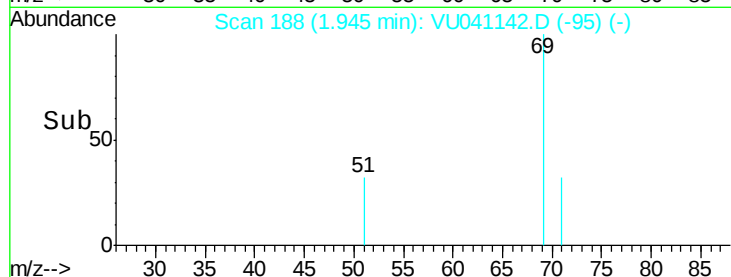
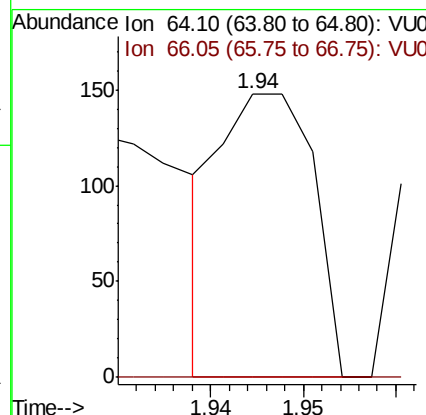
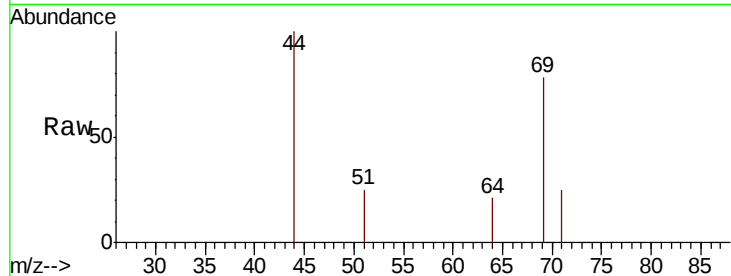




#8
Chloroethane
Concen: 0.031 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU041142.D
Acq: 09 Nov 2020 15:46

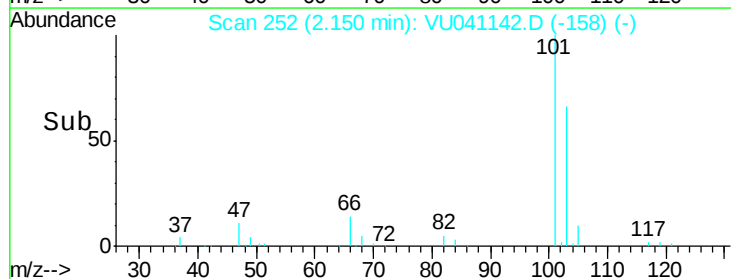
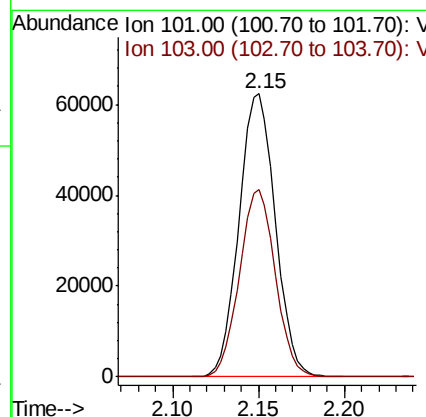
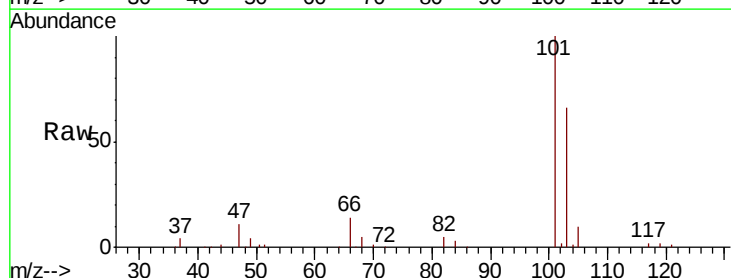
Instrument :
MSVOA_U
ClientSampleId :
C0AB2

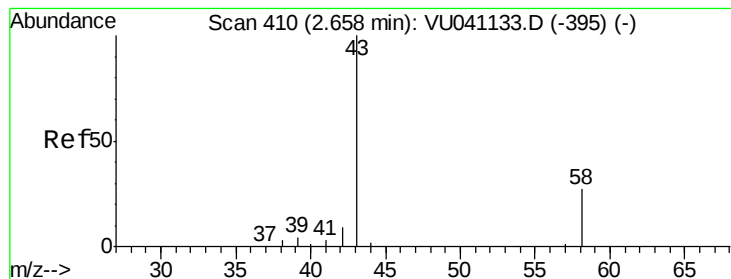
Tot Ion: 64 Resp: 103
Ion Ratio Lower Upper
64 100
66 0.0 22.3 41.5#



#9
Trichlorofluoromethane
Concen: 12.973 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU041142.D
Acq: 09 Nov 2020 15:46

Tgt Ion: 101 Resp: 91396
Ion Ratio Lower Upper
101 100
103 65.4 51.0 76.4





#13

Acetone

Concen: 2.313 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU041142.D

Acq: 09 Nov 2020 15:46

Instrument :

MSVOA_U

ClientSampled :

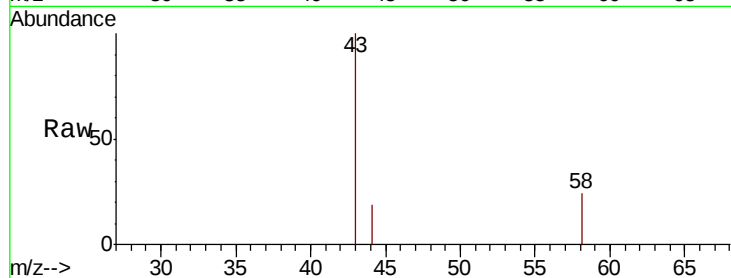
C0AB2

Tot Ion: 43 Resp: 2414

Ion Ratio Lower Upper

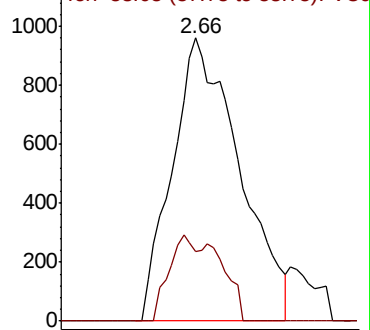
43 100

58 11.9 0.0 25.4

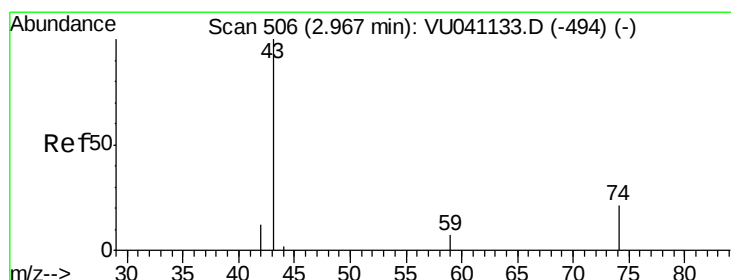
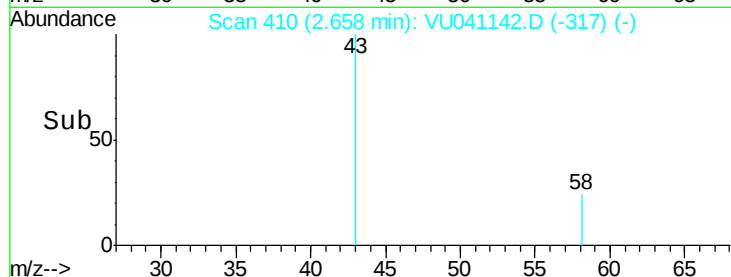


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



Time-->



#15

Methyl Acetate

Concen: 0.270 ug/L

RT: 3.01 min Scan# 518

Delta R.T. 0.04 min

Lab File: VU041142.D

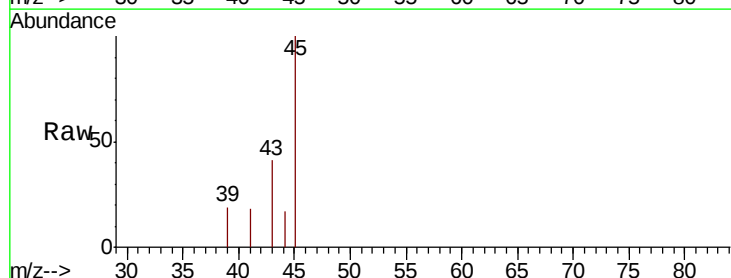
Acq: 09 Nov 2020 15:46

Tgt Ion: 43 Resp: 644

Ion Ratio Lower Upper

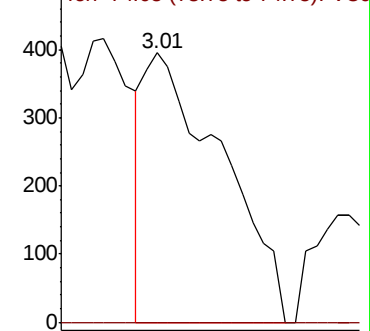
43 100

74 0.0 18.3 27.5#

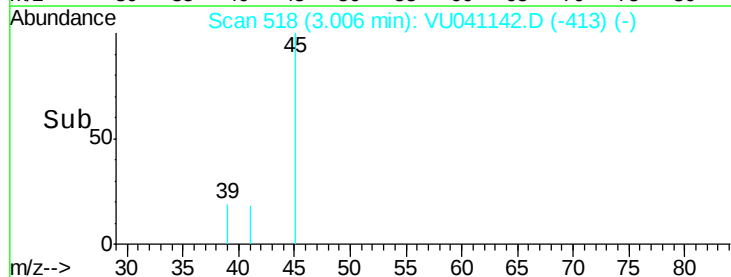


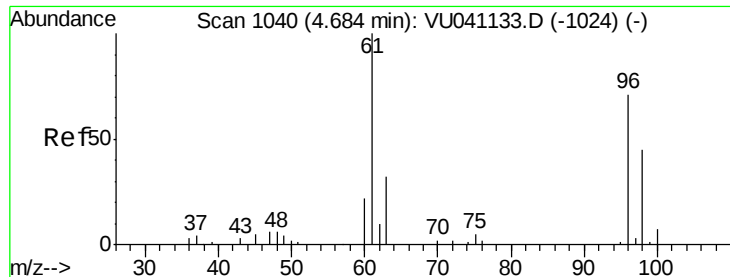
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



Time-->

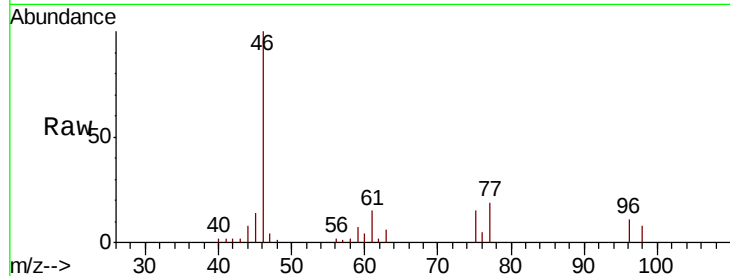




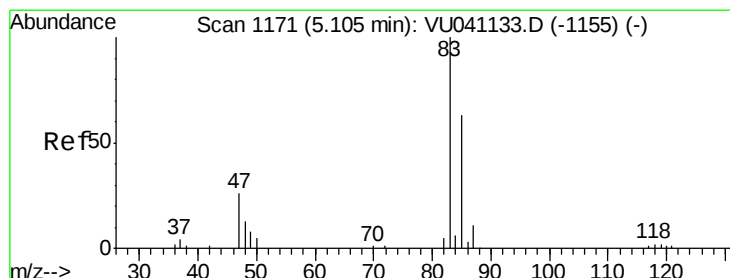
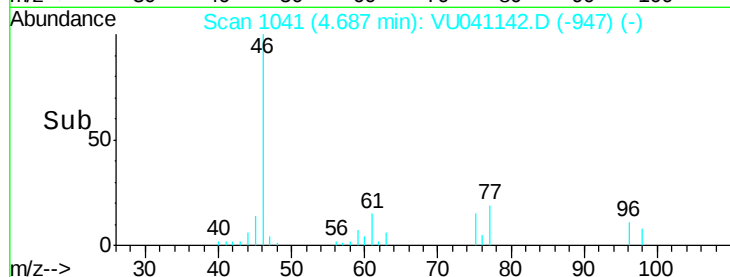
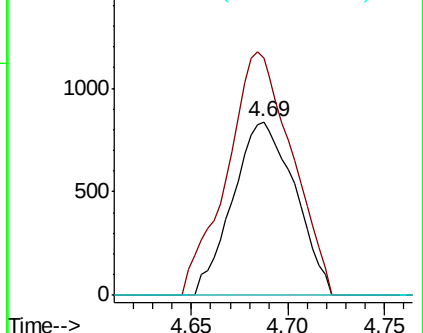
#22
 cis-1,2-Dichloroethene
 Concen: 0.458 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU041142.D
 Acq: 09 Nov 2020 15:46

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 ClientSampled :
 C0AB2

Tot Ion: 96 Resp: 1871
 Ion Ratio Lower Upper
 96 100
 61 137.2 97.2 180.4
 68 0.0 0.0 0.0

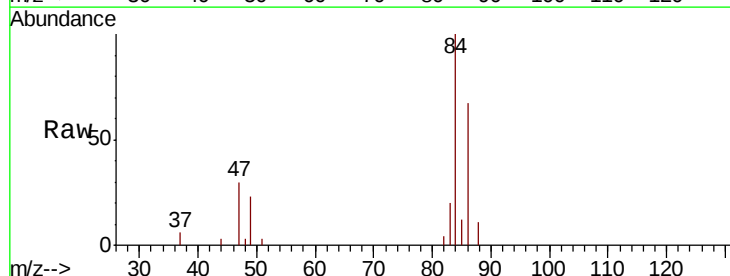


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

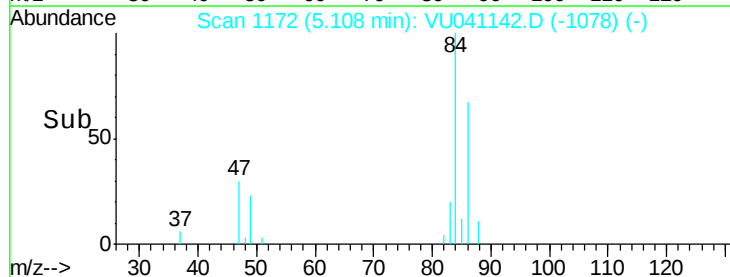
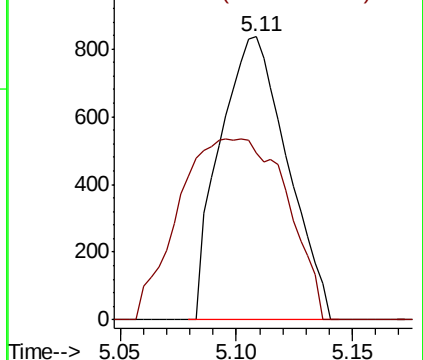


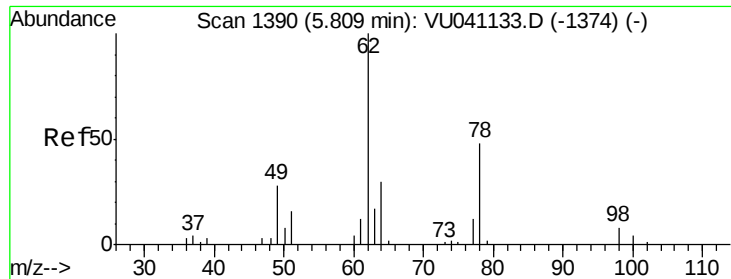
#25
 Chloroform
 Concen: 0.212 ug/L
 RT: 5.11 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU041142.D
 Acq: 09 Nov 2020 15:46

Tgt Ion: 83 Resp: 1684
 Ion Ratio Lower Upper
 83 100
 85 58.9 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

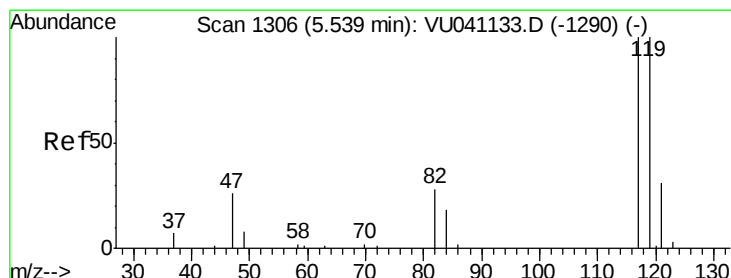
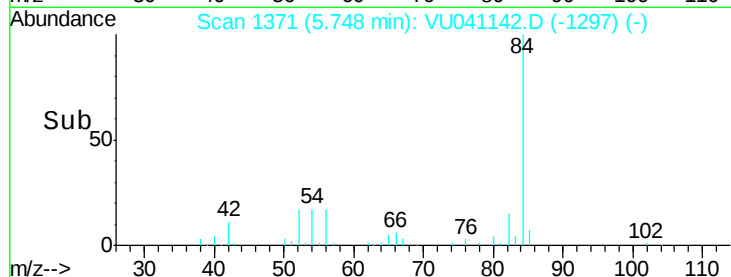
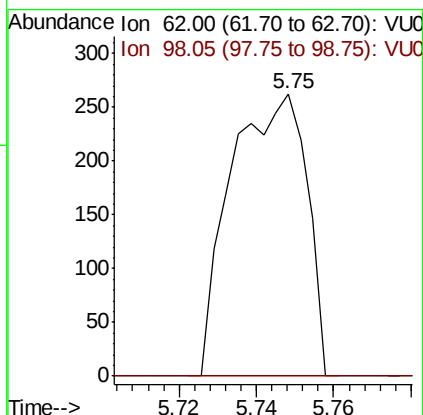
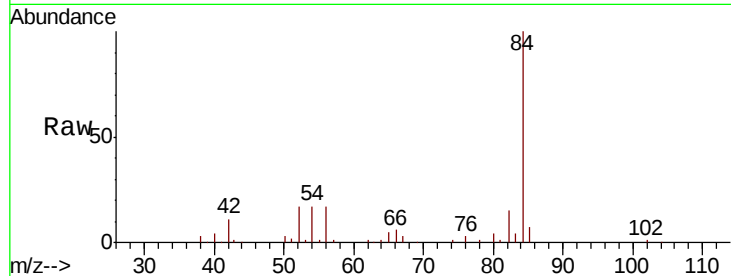




#27
 1,2-Dichloroethane
 Concen: 0.060 ug/L
 RT: 5.75 min Scan# 1371
 Delta R.T. -0.06 min
 Lab File: VU041142.D
 Acq: 09 Nov 2020 15:46

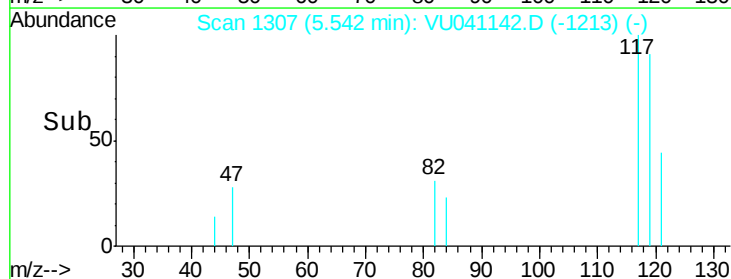
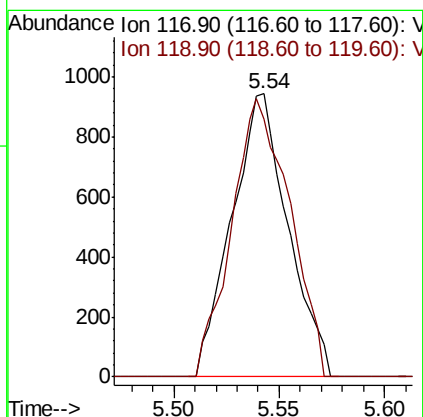
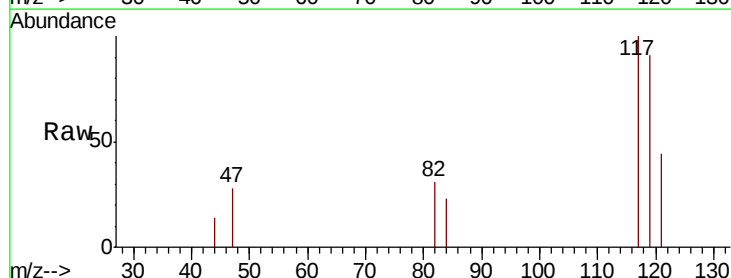
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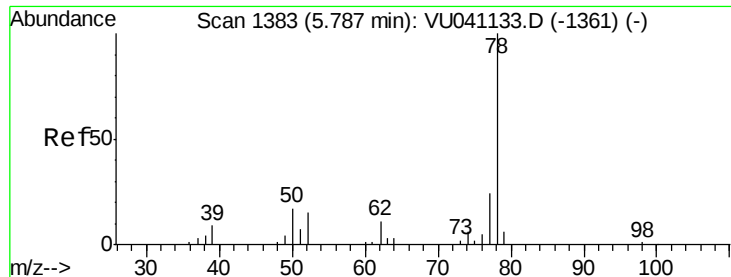
Tot Ion: 62 Resp: 356
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#31
 Carbon tetrachloride
 Concen: 0.279 ug/L
 RT: 5.54 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: VU041142.D
 Acq: 09 Nov 2020 15:46

Tgt Ion: 117 Resp: 1748
 Ion Ratio Lower Upper
 117 100
 119 101.7 76.1 114.1





#33

Benzene

Concen: 0.061 ug/L

RT: 5.79 min Scan# 1383

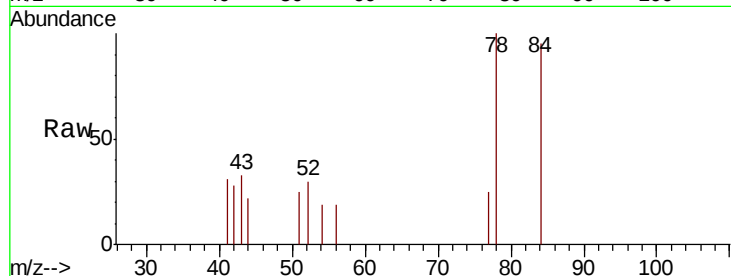
Delta R.T. -0.00 min

Lab File: VU041142.D

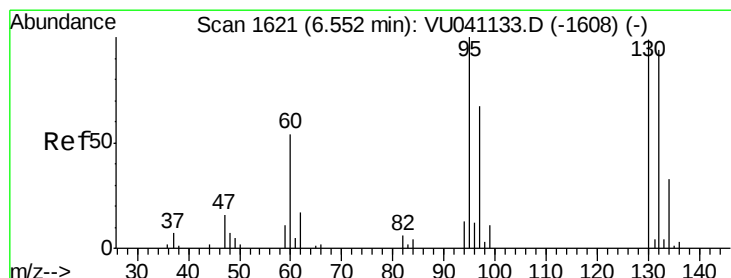
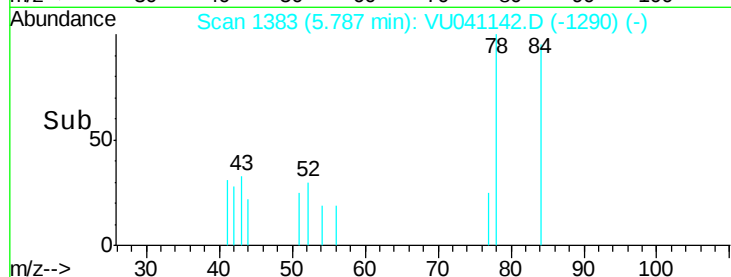
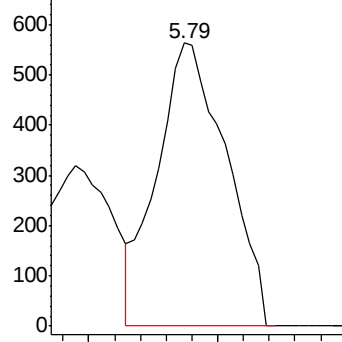
Acq: 09 Nov 2020 15:46

Instrument :
MSVOA_U
ClientSampled :
C0AB2

Tgt Ion: 78 Resp: 1055



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 2.650 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041142.D

Acq: 09 Nov 2020 15:46

Tgt Ion: 95 Resp: 11679

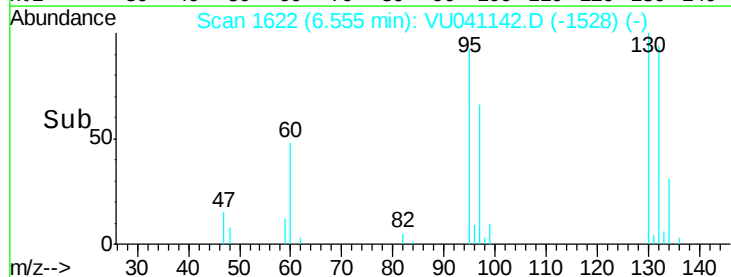
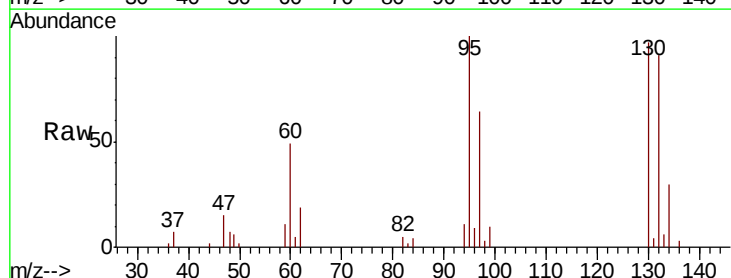
Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.6	84.6
132	91.3	64.8	120.4
130	96.8	64.8	120.4

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

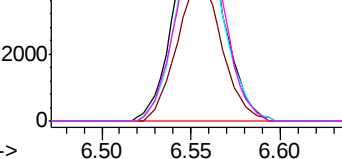


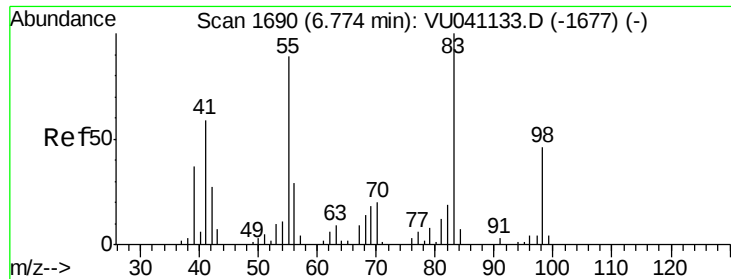
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

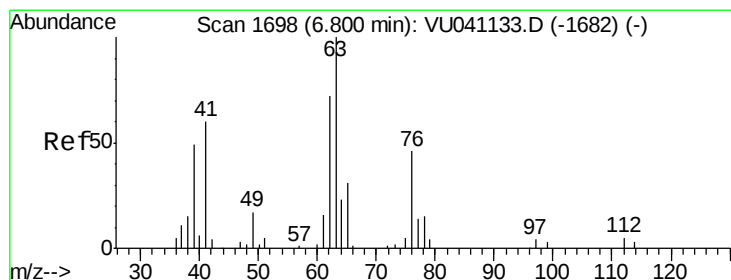
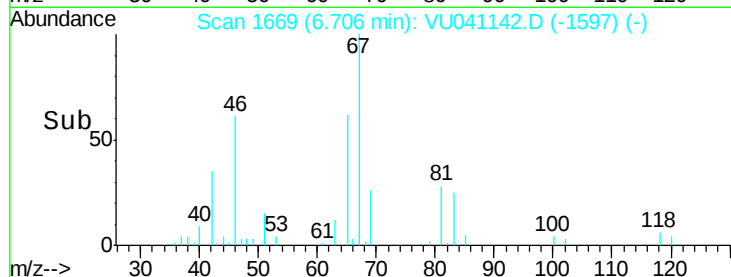
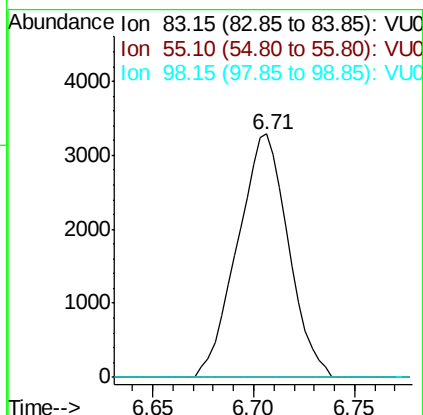
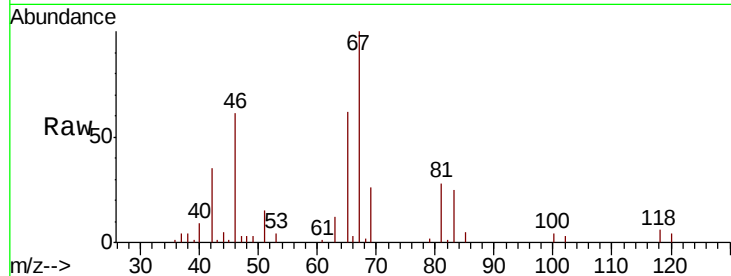




#35
Methylcyclohexane
Concen: 0.879 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU041142.D
Acq: 09 Nov 2020 15:46

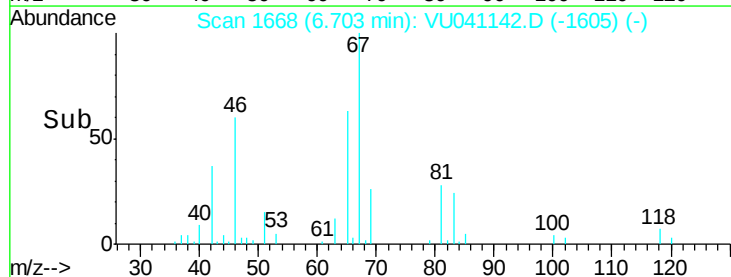
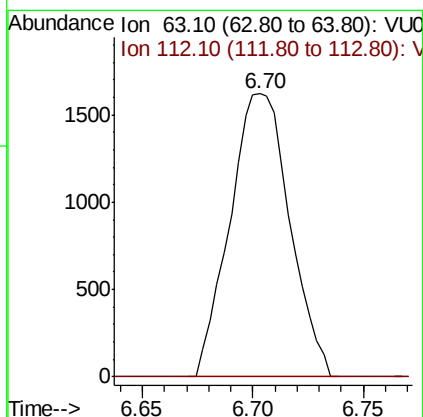
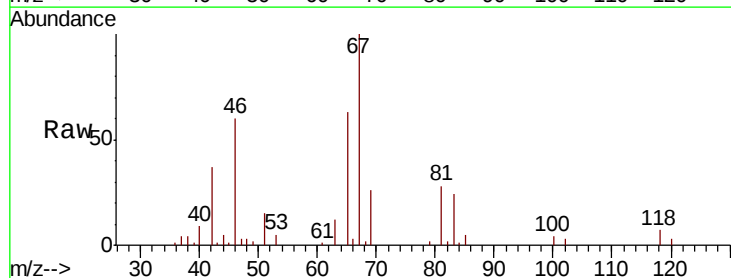
Instrument :
MSVOA_U
ClientSampleId :
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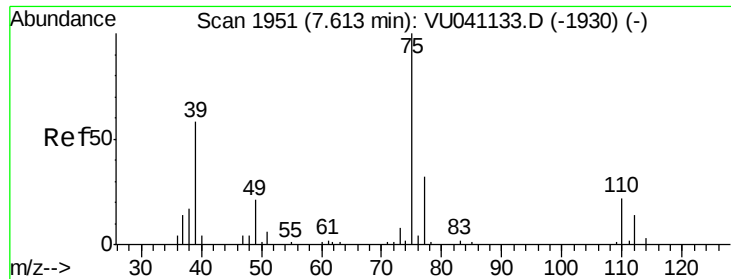
Tot Ion: 83 Resp: 5777
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 7.6 36.6 55.0#



#37
1,2-Dichloropropane
Concen: 0.650 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041142.D
Acq: 09 Nov 2020 15:46

Tgt Ion: 63 Resp: 3044
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#

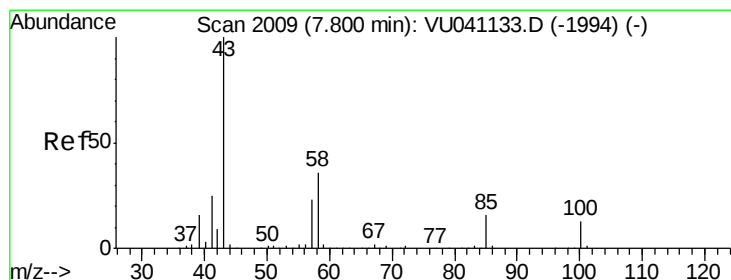
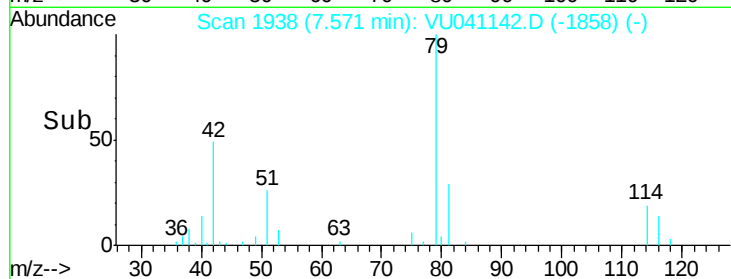
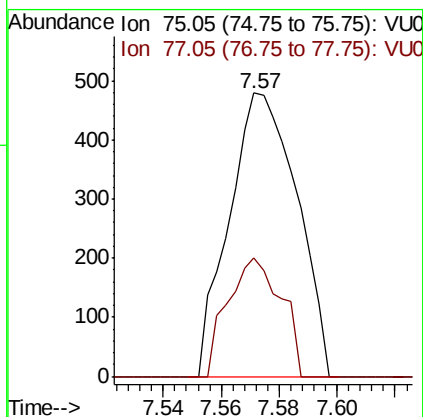
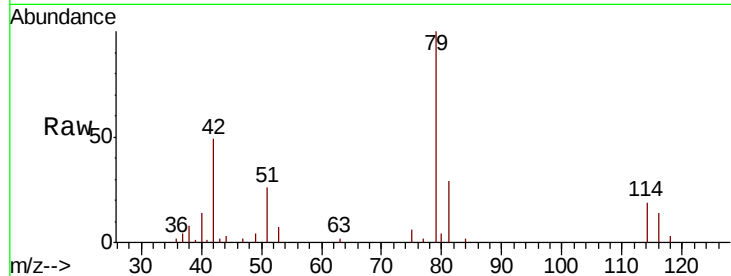




#39
 cis-1,3-Dichloropropene
 Concen: 0.121 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041142.D
 Acq: 09 Nov 2020 15:46

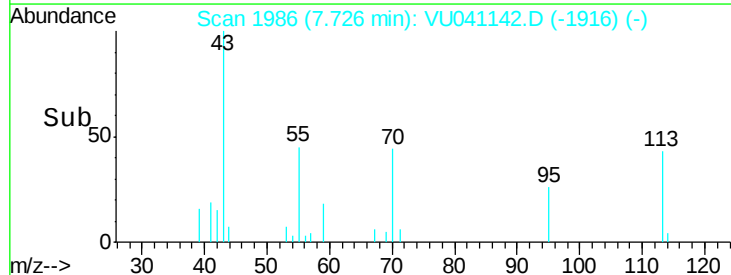
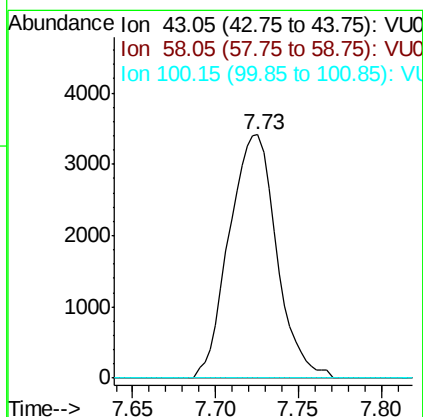
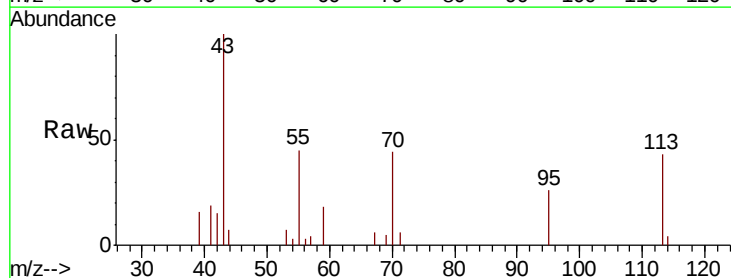
Instrument :
 MSVOA_U
 ClientSampled :
 C0AB2

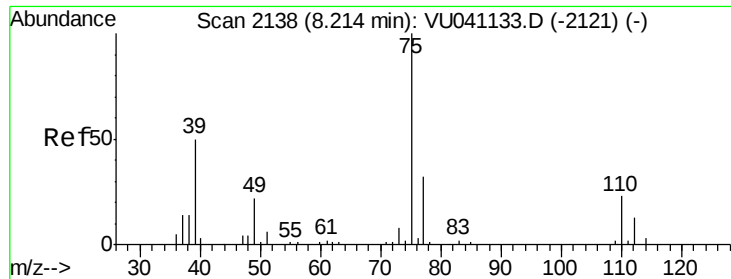
Tot Ion: 75 Resp: 778
 Ion Ratio Lower Upper
 75 100
 77 41.8 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 1.818 ug/L
 RT: 7.73 min Scan# 1986
 Delta R.T. -0.07 min
 Lab File: VU041142.D
 Acq: 09 Nov 2020 15:46

Tgt Ion: 43 Resp: 6792
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.8 44.6#
 100 0.0 10.5 15.7#





#44

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041142.D

Acq: 09 Nov 2020 15:46

Instrument :

MSVOA_U

ClientSampleId :

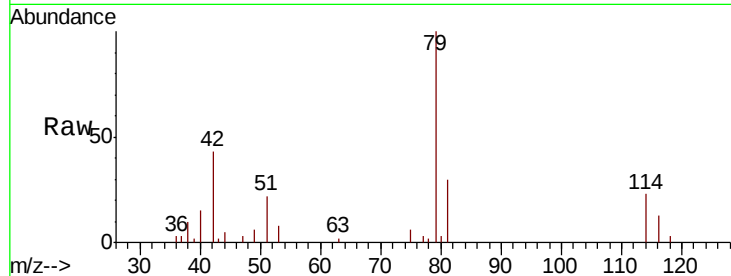
C0AB2

Tot Ion: 75 Resp: 499

Ion Ratio Lower Upper

75 100

77 45.7 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041133.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU041133.D (-2121) (-)

8.19

300

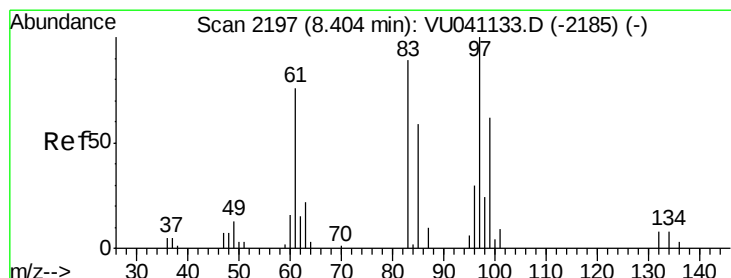
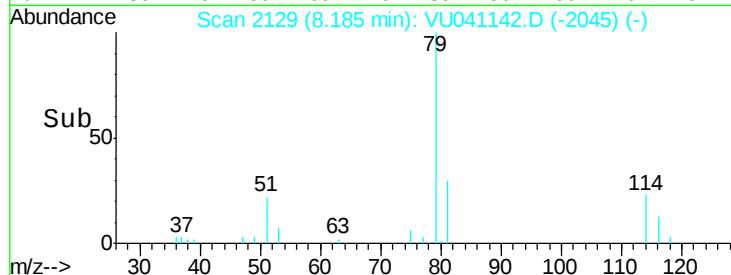
200

100

0

8.16 8.18 8.20 8.22

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.099 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU041142.D

Acq: 09 Nov 2020 15:46

Tgt Ion: 97 Resp: 346

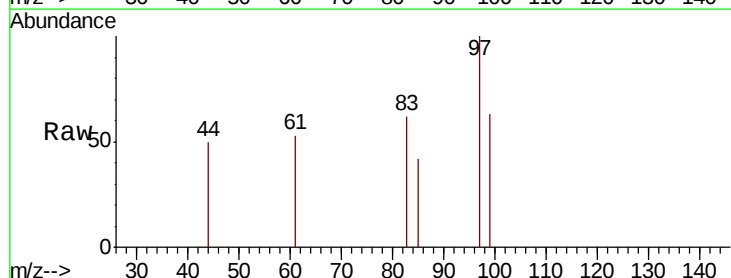
Ion Ratio Lower Upper

97 100

99 63.4 45.8 85.2

83 62.3 67.9 126.1#

85 42.4 42.8 79.6#



Abundance Ion 96.95 (96.65 to 97.65): VU041133.D (-2185) (-)

Ion 99.05 (98.75 to 99.75): VU041133.D (-2185) (-)

Ion 82.95 (82.65 to 83.65): VU041133.D (-2185) (-)

Ion 85.00 (84.70 to 85.70): VU041133.D (-2185) (-)

8.40

300

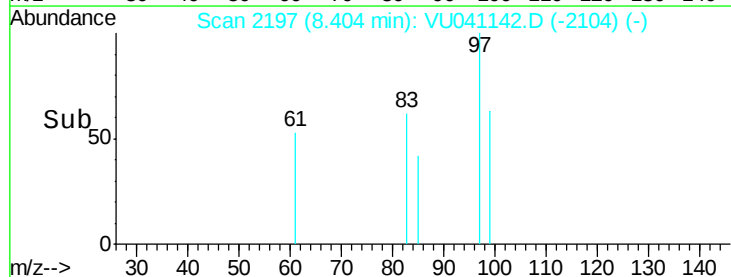
200

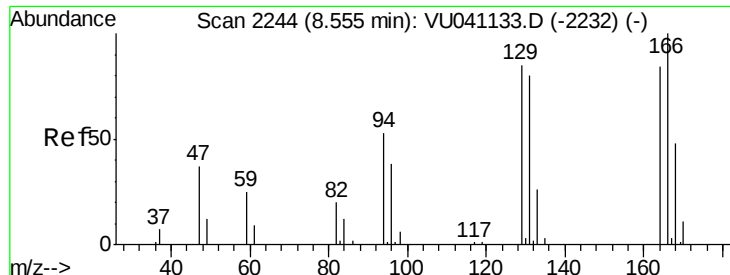
100

0

8.38 8.40 8.42

Time-->

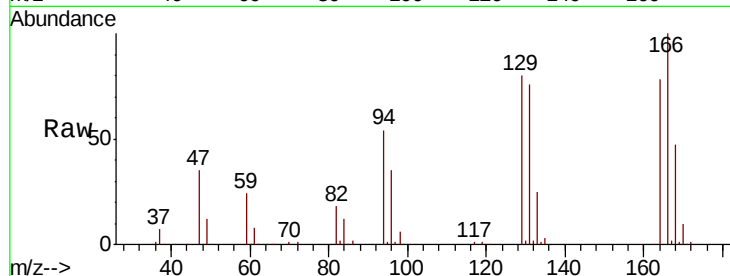




#47
Tetrachloroethene
Concen: 42.071 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041142.D
Acq: 09 Nov 2020 15:46

Instrument :
MSVOA_U
ClientSampleId :
C0AB2

Tot Ion	Ratio	Lower	Upper
164	100		
129	103.2	70.3	130.7
131	97.7	70.8	131.4
166	129.0	92.0	170.8



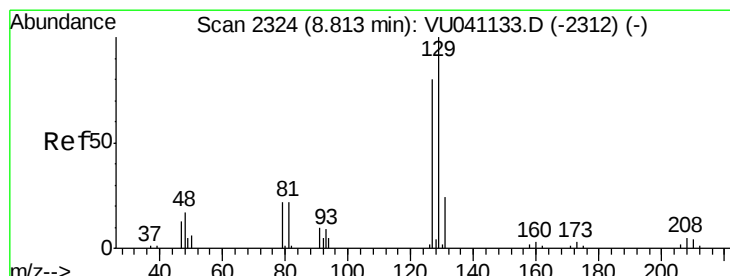
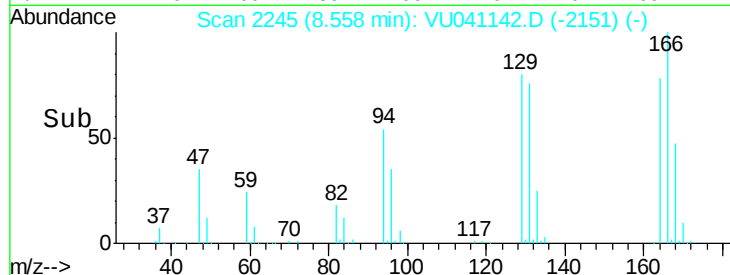
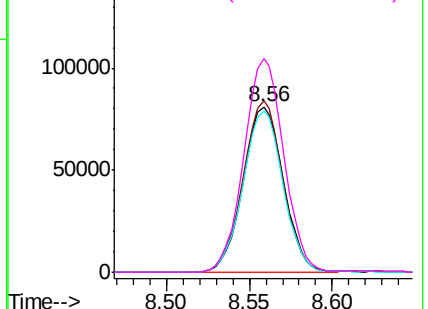
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

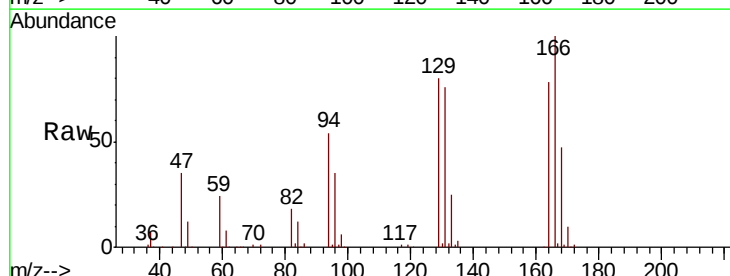
Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49
Dibromochloromethane
Concen: 34.139 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041142.D
Acq: 09 Nov 2020 15:46

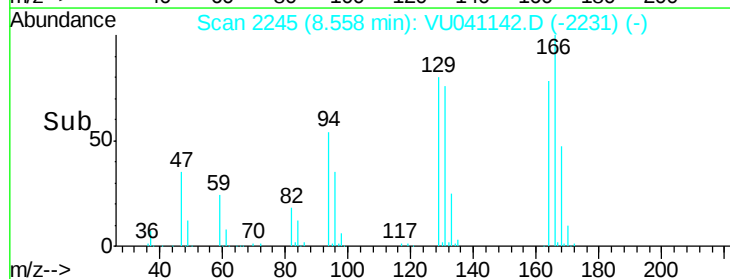
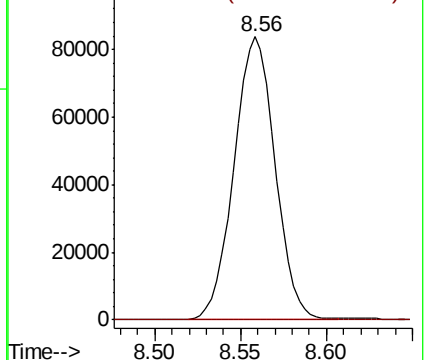
Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.4	99.2#

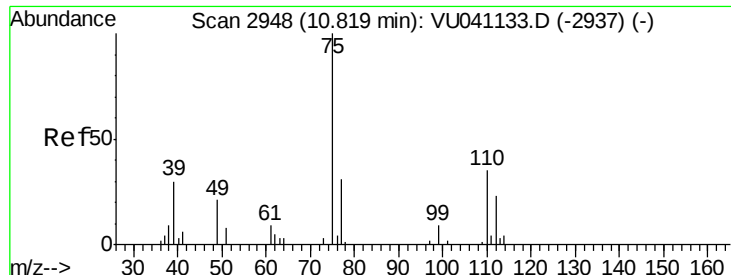


Abundance

Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.945 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041142.D

Acq: 09 Nov 2020 15:46

Instrument :

MSVOA_U

ClientSampleId :

C0AB2

Tot Ion: 75 Resp: 3299

Ion Ratio Lower Upper

75 100

77 38.9 25.7 38.5#

