

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110420\
 Data File : VU041101.D
 Acq On : 04 Nov 2020 14:14
 Operator : SY/MD
 Sample : L4575-02DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 05 00:52:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 05 00:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	46431	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	49169	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	20187	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15600	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.92	69	13188	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.58	63	23313	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	4.65	46	72719	56.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.22%
24) Chloroform-d	5.08	84	33743	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.72	65	21713	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.74	84	57984	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.70	67	21712	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.91	98	45475	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.40%
43) trans-1,3-Dichloropropene-	8.19	79	7787	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.64	63	49837	49.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.76%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	19566	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	18112	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.15	101	10191	1.719	ug/L	97
15) Methyl Acetate	2.92	43	293	0.146	ug/L #	53
25) Chloroform	5.11	83	821	0.123	ug/L	96
27) 1,2-Dichloroethane	5.75	62	373	0.075	ug/L #	74
33) Benzene	5.74	78	355	0.024	ug/L	100
34) Trichloroethene	6.56	95	613	0.164	ug/L #	80
35) Methylcyclohexane	6.70	83	4829	0.866	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2421	0.609	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	552	0.101	ug/L #	57
44) trans-1,3-Dichloropropene	8.19	75	290	0.057	ug/L #	42
45) 1,1,2-Trichloroethane	8.55	97	162	0.055	ug/L #	19
47) Tetrachloroethene	8.56	164	23774	8.647	ug/L	98
48) 2-Hexanone	8.64	43	7985	3.346	ug/L #	69
49) Dibromochloromethane	8.56	129	23680	6.890	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	2852	0.963	ug/L	91

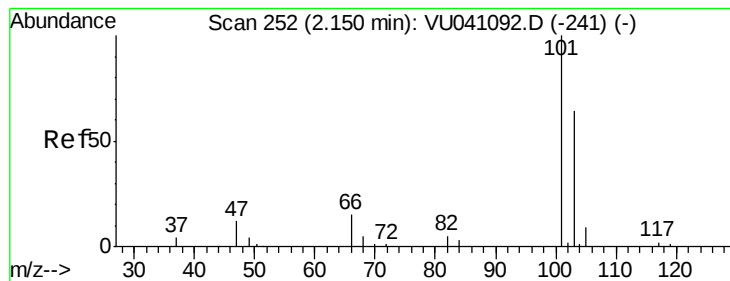
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110420\
Data File : VU041101.D
Acq On : 04 Nov 2020 14:14
Operator : SY/MD
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 05 00:43:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#9

Trichlorofluoromethane

Concen: 1.719 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU041101.D

Acq: 04 Nov 2020 14:14

Instrument :

MSVOA_U

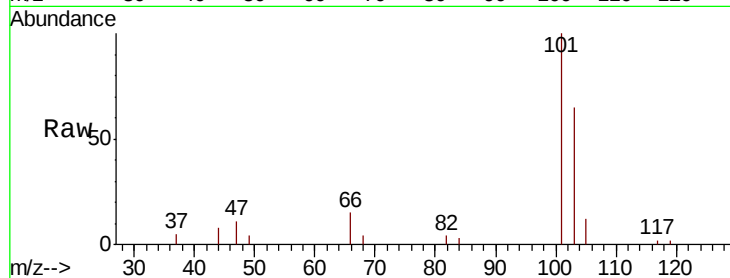
ClientSampleId :

Tot Ion:101 Resp: 10191

Ion Ratio Lower Upper

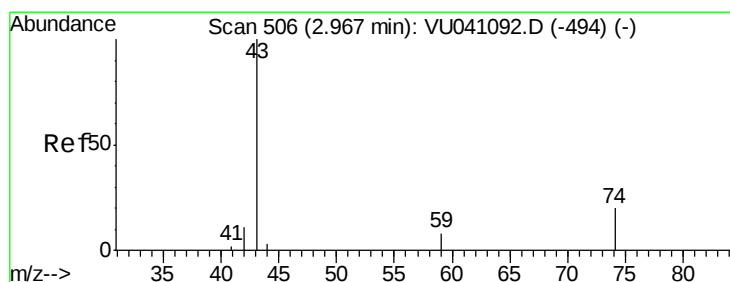
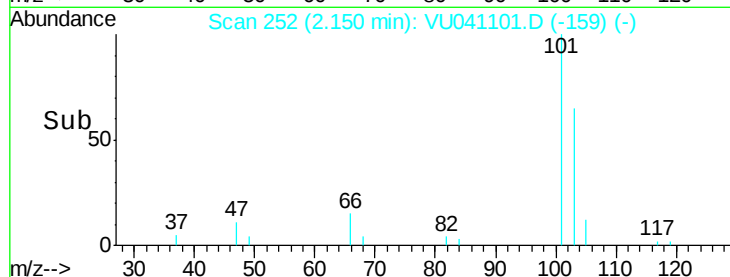
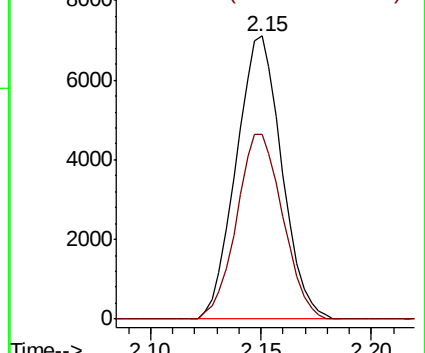
101 100

103 66.3 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#15

Methyl Acetate

Concen: 0.146 ug/L

RT: 2.92 min Scan# 491

Delta R.T. -0.05 min

Lab File: VU041101.D

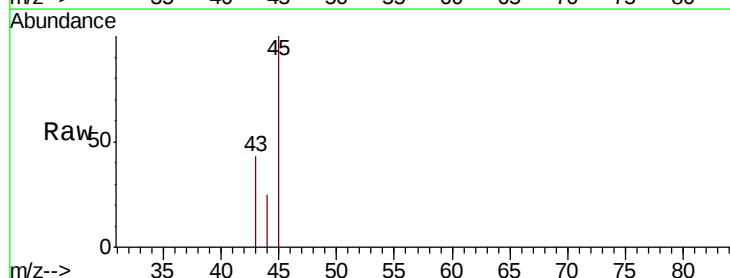
Acq: 04 Nov 2020 14:14

Tgt Ion: 43 Resp: 293

Ion Ratio Lower Upper

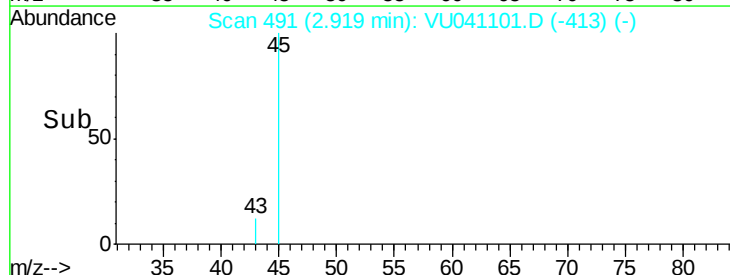
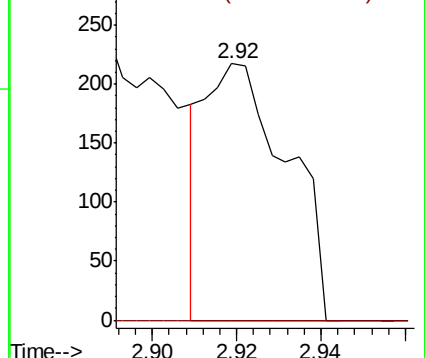
43 100

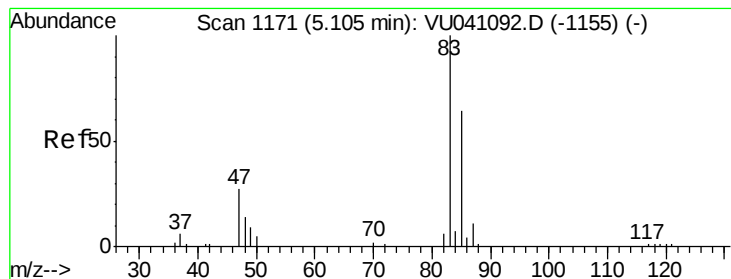
74 0.0 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0





#25

Chloroform

Concen: 0.123 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU041101.D

Acq: 04 Nov 2020 14:14

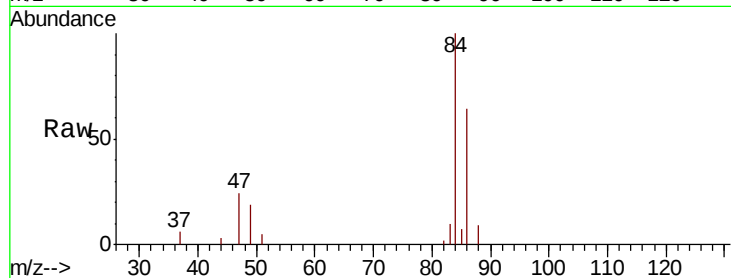
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 821

Ion Ratio Lower Upper

83 100

85 69.5 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU041101.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU041101.D (-1078) (-)

5.11

400

300

200

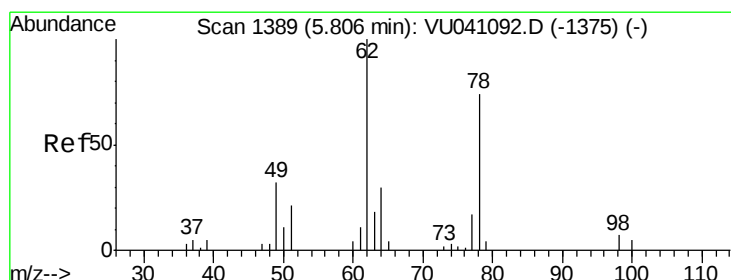
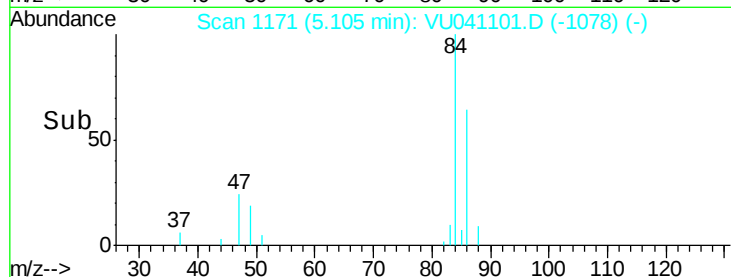
100

0

5.10

5.15

Time-->



#27

1,2-Dichloroethane

Concen: 0.075 ug/L

RT: 5.75 min Scan# 1371

Delta R.T. -0.06 min

Lab File: VU041101.D

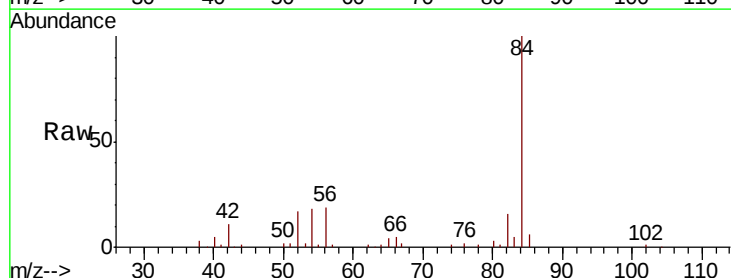
Acq: 04 Nov 2020 14:14

Tgt Ion: 62 Resp: 373

Ion Ratio Lower Upper

62 100

98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU041101.D (-1296) (-)

Ion 98.05 (97.75 to 98.75): VU041101.D (-1296) (-)

5.75

300

250

200

150

100

50

0

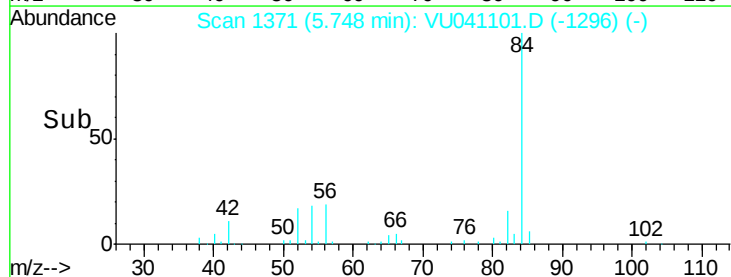
5.70

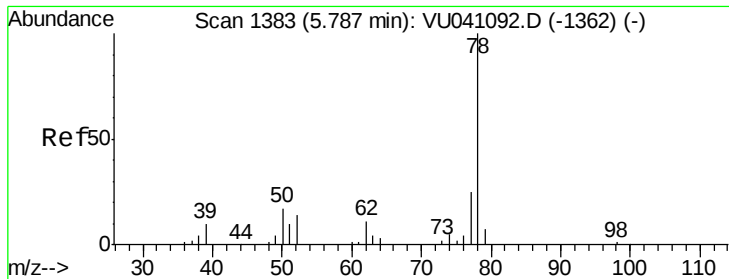
5.72

5.74

5.76

Time-->

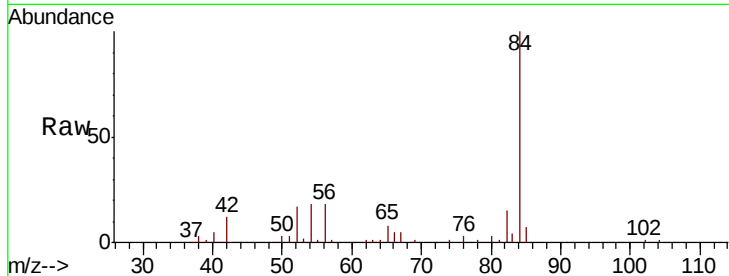




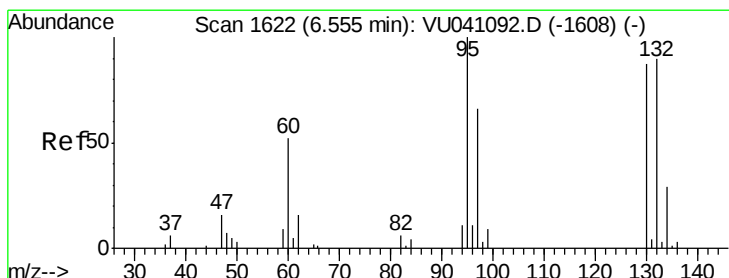
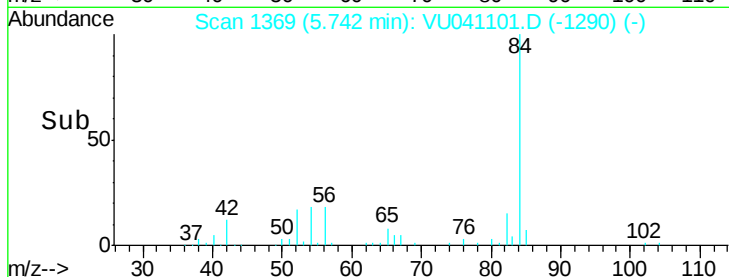
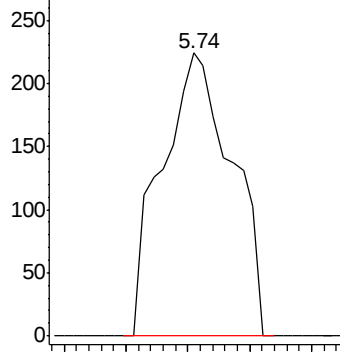
#33
Benzene
Concen: 0.024 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.05 min
Lab File: VU041101.D
Acq: 04 Nov 2020 14:14

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 355



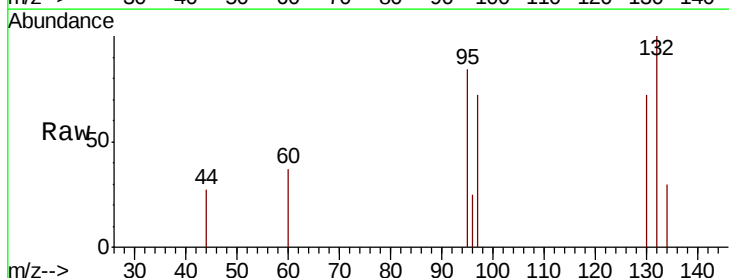
Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 0.164 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. -0.00 min
Lab File: VU041101.D
Acq: 04 Nov 2020 14:14

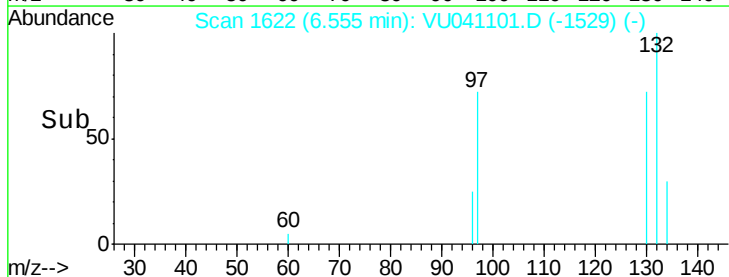
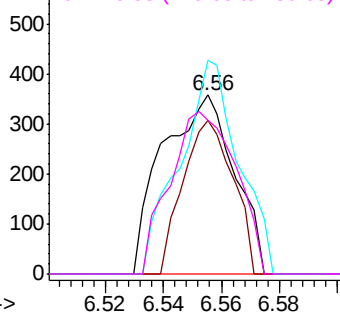
Tgt Ion: 95 Resp: 613

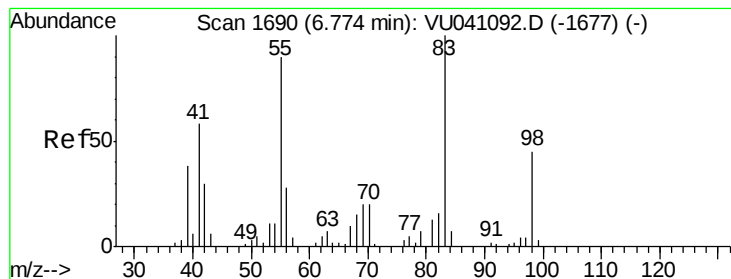
Ion	Ratio	Lower	Upper
95	100		
97	86.0	45.6	84.6#
132	119.6	64.8	120.4
130	85.7	64.8	120.4



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





#35

Methvlcvclohexane

Concen: 0.866 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041101.D

Acq: 04 Nov 2020 14:14

Instrument :

MSVOA_U

ClientSampleId :

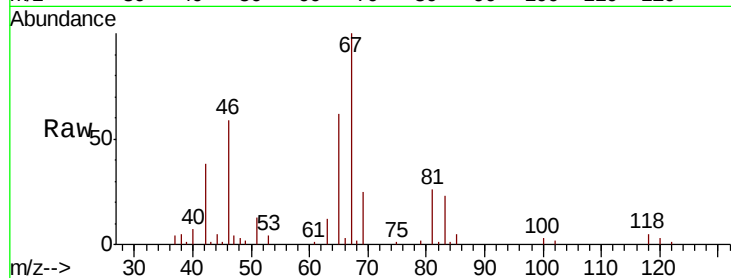
Tot Ion: 83 Resp: 4829

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

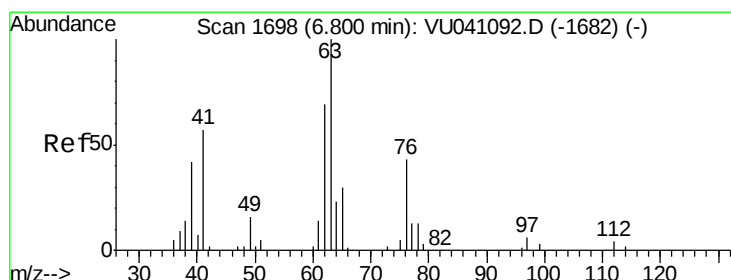
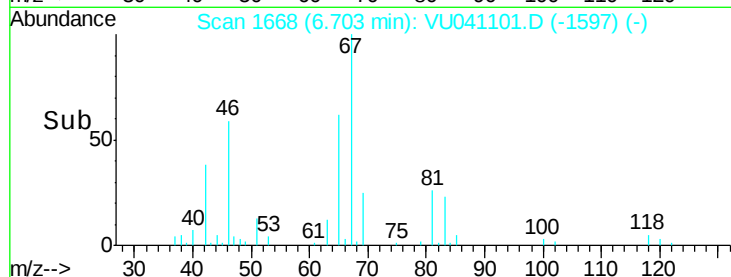
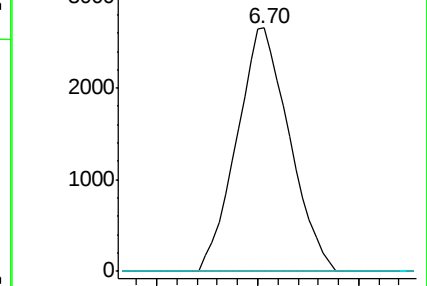
98 0.0 36.6 55.0#



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: 0.609 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU041101.D

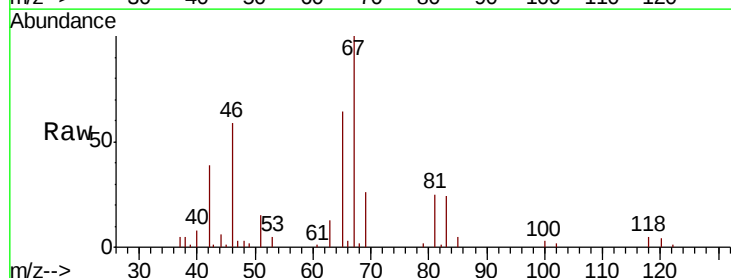
Acq: 04 Nov 2020 14:14

Tgt Ion: 63 Resp: 2421

Ion Ratio Lower Upper

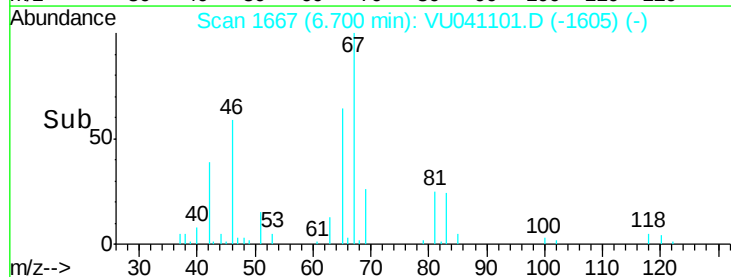
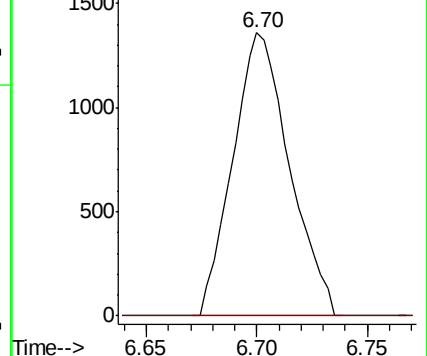
63 100

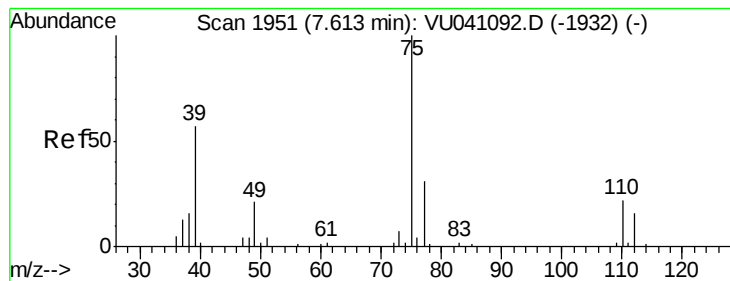
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



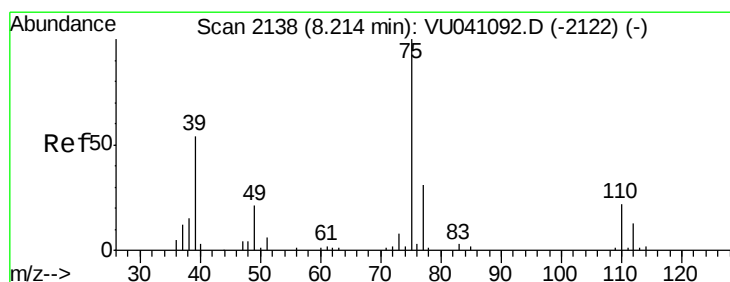
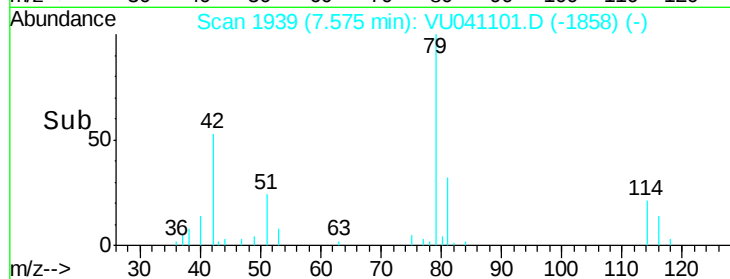
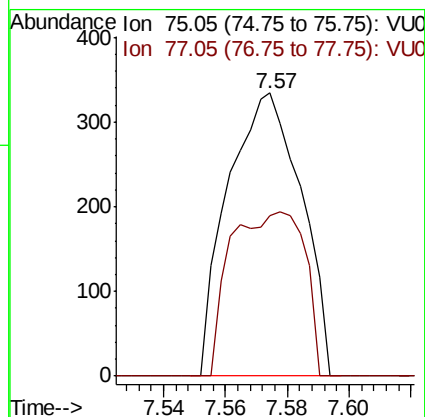
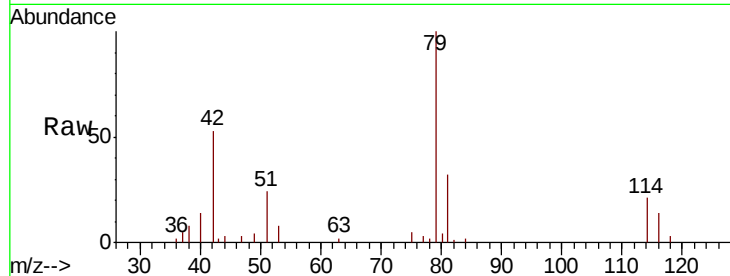


#39

cis-1,3-Dichloropropene
Concen: 0.101 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU041101.D
Acq: 04 Nov 2020 14:14

Instrument :
MSVOA_U
ClientSampleId :

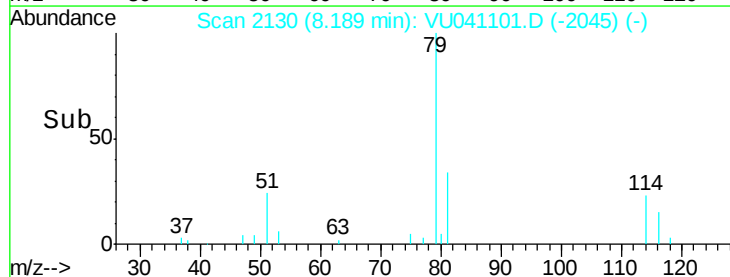
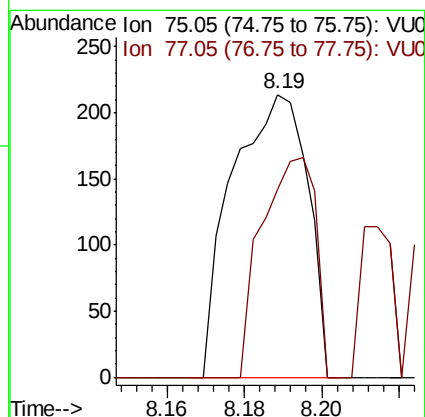
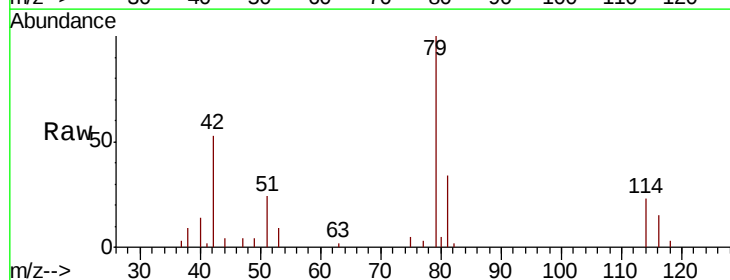
Tot Ion: 75 Resp: 552
Ion Ratio Lower Upper
75 100
77 56.9 22.7 42.3#

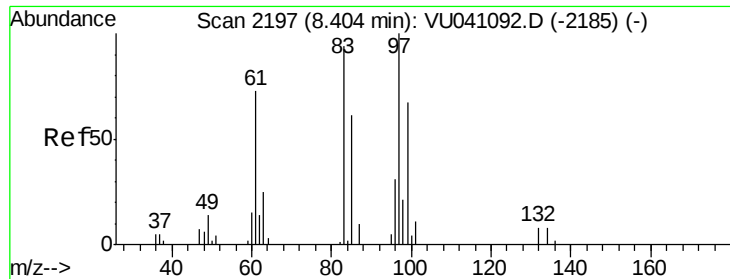


#44

trans-1,3-Dichloropropene
Concen: 0.057 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041101.D
Acq: 04 Nov 2020 14:14

Tgt Ion: 75 Resp: 290
Ion Ratio Lower Upper
75 100
77 66.4 23.3 43.3#

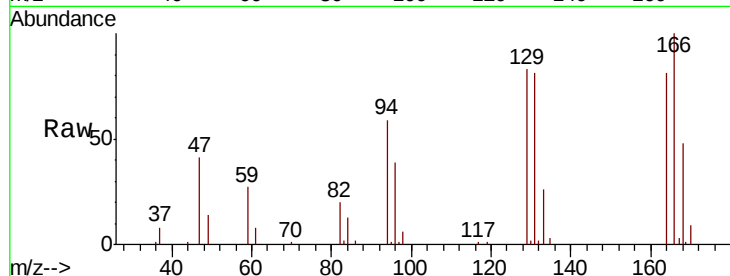




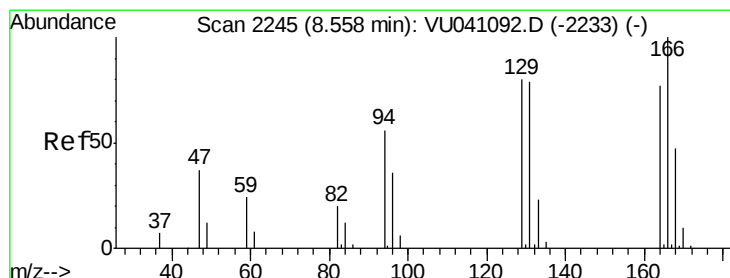
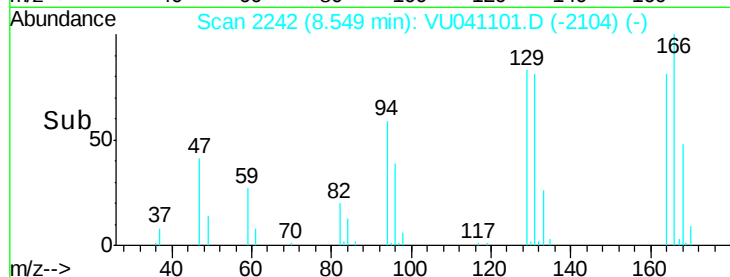
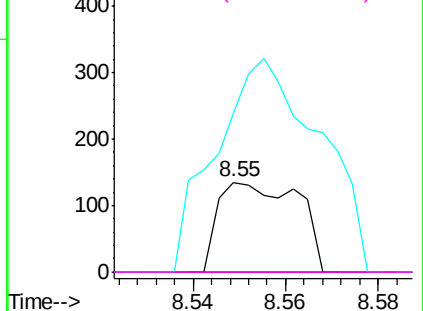
#45
 1,1,2-Trichloroethane
 Concen: 0.055 ug/L
 RT: 8.55 min Scan# 2242
 Delta R.T. 0.14 min
 Lab File: VU041101.D
 Acq: 04 Nov 2020 14:14

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	162
Ion	Ratio	Lower	Upper
97	100		
99	0.0	45.8	85.2#
83	176.3	67.9	126.1#
85	0.0	42.8	79.6#

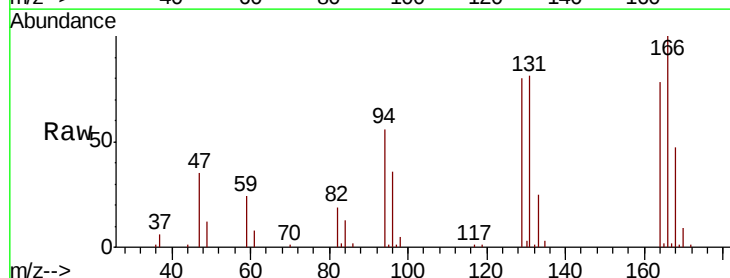


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

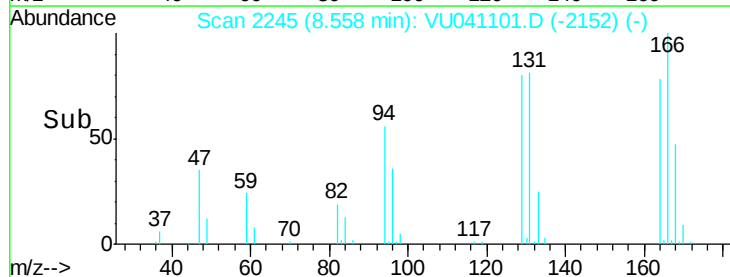
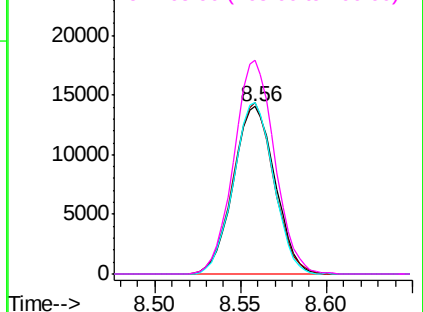


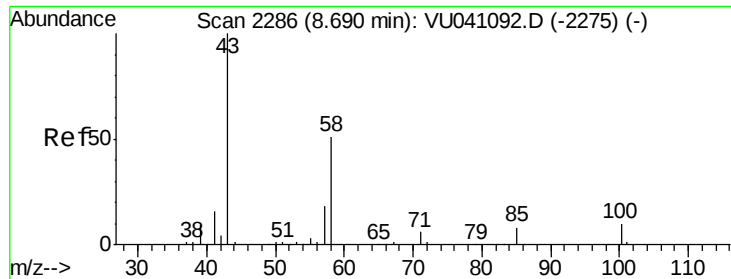
#47
 Tetrachloroethene
 Concen: 8.647 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU041101.D
 Acq: 04 Nov 2020 14:14

Tgt Ion:	164	Resp:	23774
Ion	Ratio	Lower	Upper
164	100		
129	102.3	70.3	130.7
131	102.7	70.8	131.4
166	127.4	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

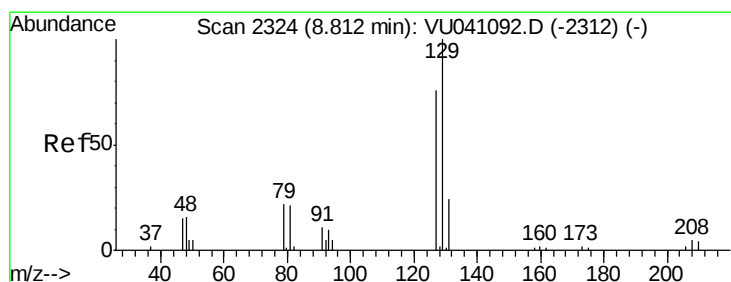
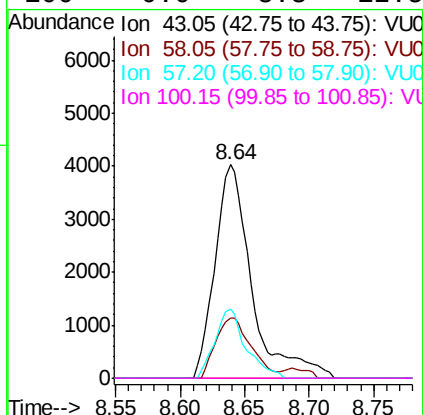
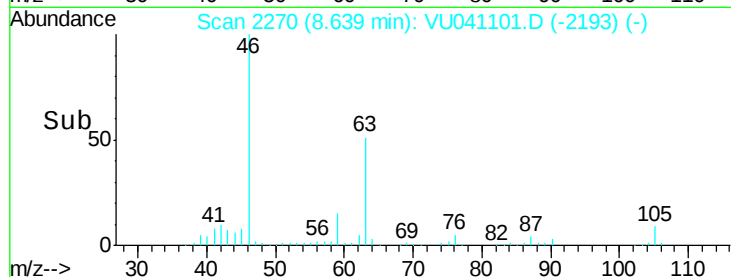
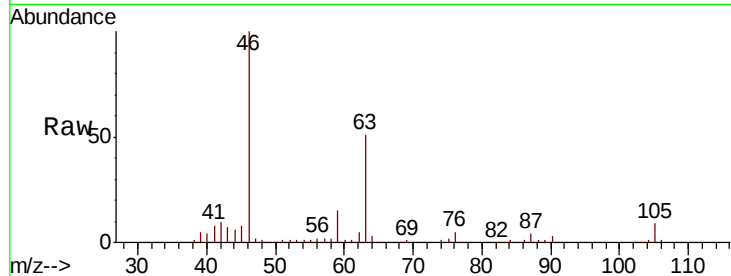




#48
2-Hexanone
Concen: 3.346 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041101.D
Acq: 04 Nov 2020 14:14

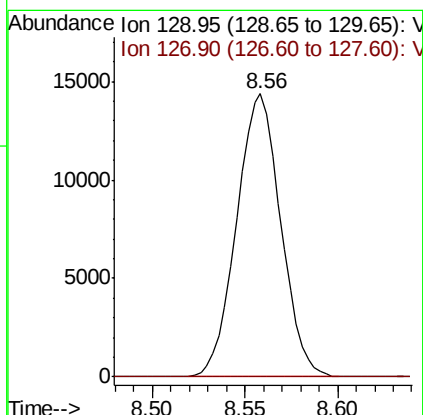
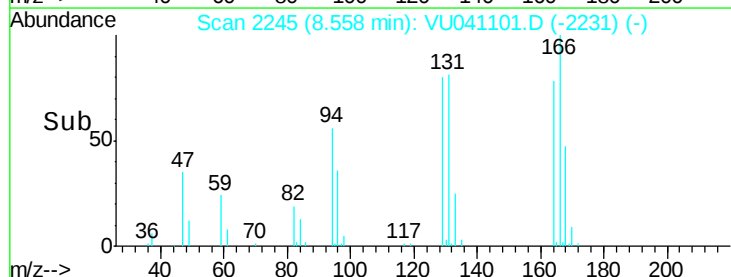
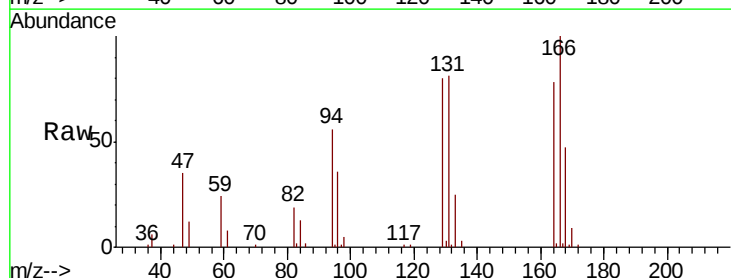
Instrument :
MSVOA_U
ClientSampled :

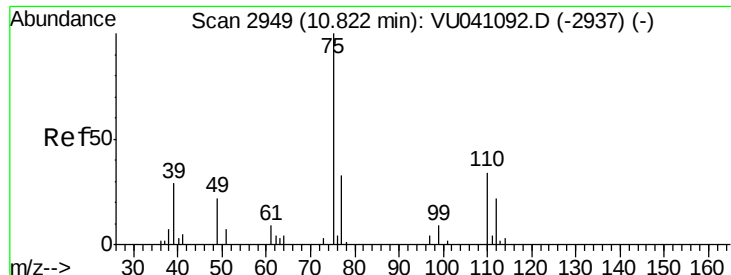
Tot Ion: 43 Resp: 7985
Ion Ratio Lower Upper
43 100
58 26.7 41.4 62.2#
57 27.2 14.6 21.8#
100 0.0 8.3 12.5#



#49
Dibromochloromethane
Concen: 6.890 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041101.D
Acq: 04 Nov 2020 14:14

Tgt Ion: 129 Resp: 23680
Ion Ratio Lower Upper
129 100
127 0.0 53.4 99.2#





#59

1,2,3-Trichloropropane

Concen: 0.963 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041101.D

Acq: 04 Nov 2020 14:14

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 2852

Ion Ratio Lower Upper

75 100

77 37.0 25.7 38.5

