

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102120\
 Data File : VU040880.D
 Acq On : 21 Oct 2020 17:54
 Operator : SY/MD
 Sample : L4420-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK6RE

Quant Time: Oct 22 00:51:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 00:42:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	223314	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	231350	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	100535	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	72859	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.92	69	68423	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.58	63	115366	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	4.65	46	339898	62.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.06%
24) Chloroform-d	5.08	84	164303	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.72	65	105824	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.40%
32) Benzene-d6	5.75	84	292515	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.70	67	102258	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.91	98	227139	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
43) trans-1,3-Dichloropropene-	8.19	79	40218	4.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.60%
46) 2-Hexanone-d5	8.64	63	261312	63.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.14%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	98055	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	96177	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	2292	0.093 ug/L #	79
9) Trichlorofluoromethane	2.15	101	1422	0.047 ug/L #	82
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	1268	0.072 ug/L #	24
13) Acetone	2.65	43	9233	2.417 ug/L	95
21) 2-Butanone	4.74	43	5945	1.032 ug/L	88
22) cis-1,2-Dichloroethene	4.68	96	1506	0.081 ug/L	94
34) Trichloroethene	6.56	95	1734	0.092 ug/L #	76
35) Methylcyclohexane	6.70	83	22646	0.799 ug/L #	15
37) 1,2-Dichloropropane	6.71	63	12025	0.599 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	2884	0.107 ug/L #	83
42) Toluene	7.98	91	4329	0.058 ug/L	99
44) trans-1,3-Dichloropropene	8.18	75	2335	0.096 ug/L	95
45) 1,1,2-Trichloroethane	8.56	97	2305	0.168 ug/L #	1
47) Tetrachloroethene	8.56	164	245878	17.454 ug/L	98
48) 2-Hexanone	8.64	43	36311	3.704 ug/L #	69
49) Dibromochloromethane	8.56	129	240231	14.717 ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	13387	1.026 ug/L #	85

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QLast Update : Thu Oct 22 00:42:50 2020
Response via : Initial Calibration

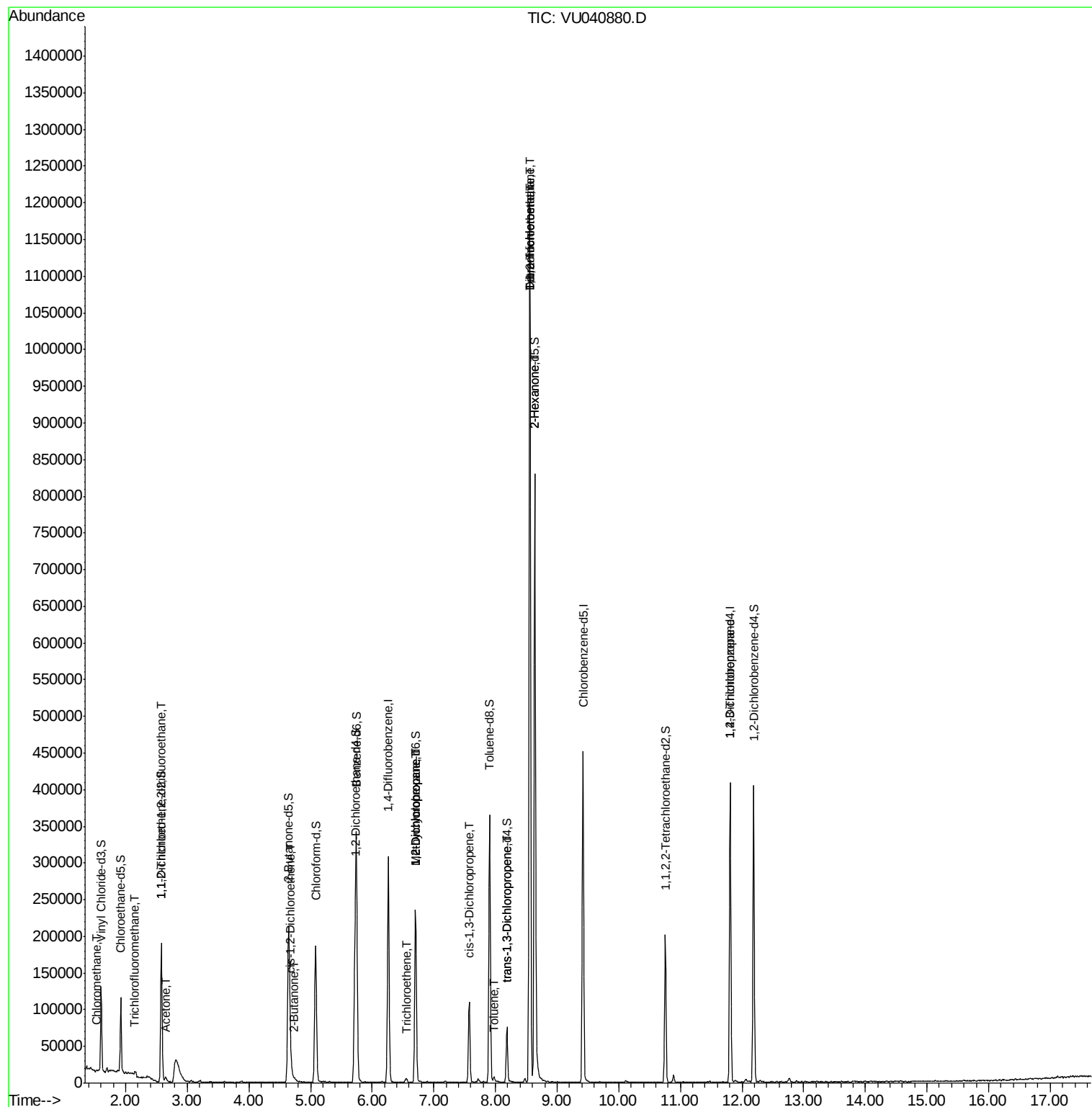
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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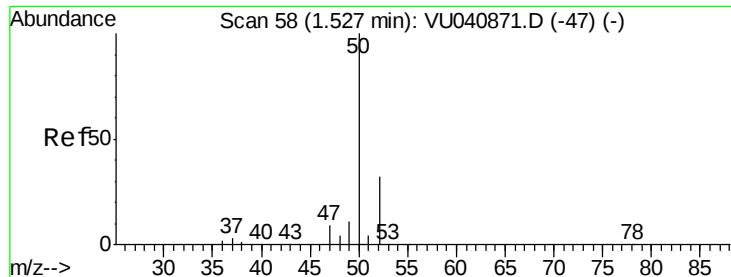
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.093 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040880.D

Acq: 21 Oct 2020 17:54

Instrument :

MSVOA_U

ClientSampleId :

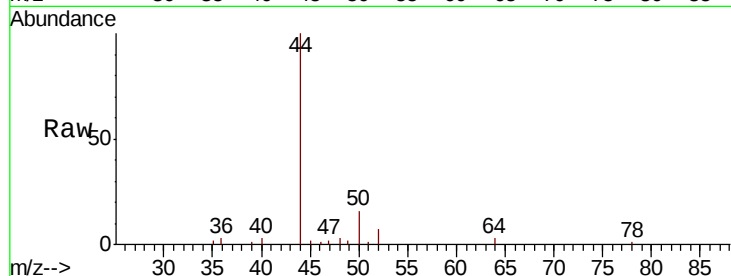
C0AK6RE

Tot Ion: 50 Resp: 2292

Ion Ratio Lower Upper

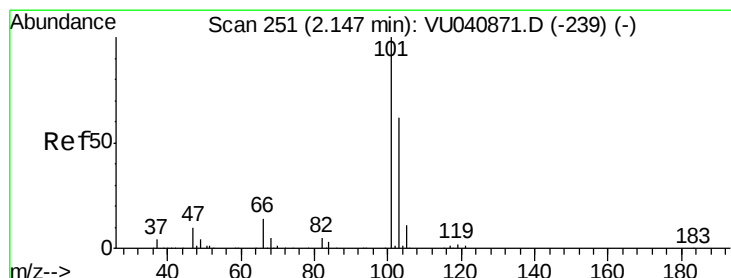
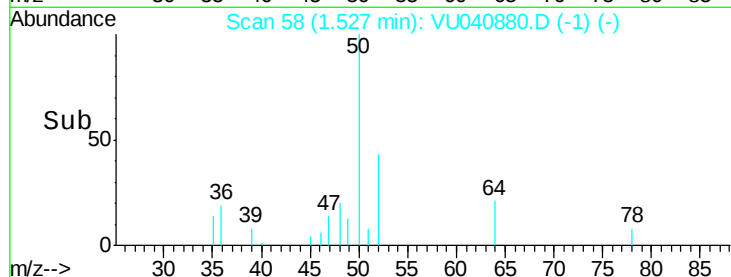
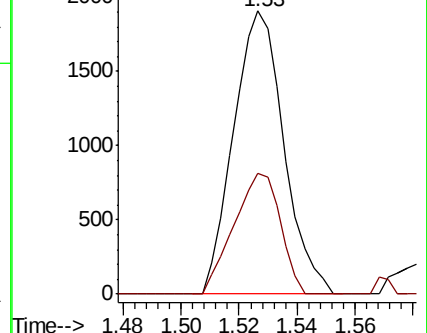
50 100

52 42.5 21.8 40.6#



Abundance Ion 50.05 (49.75 to 50.75): VU040880.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040880.D (-1) (-)



#9

Trichlorofluoromethane

Concen: 0.047 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040880.D

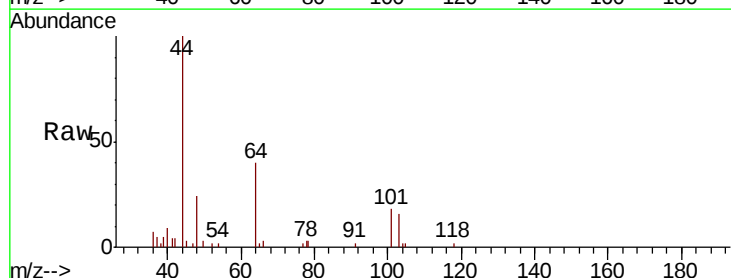
Acq: 21 Oct 2020 17:54

Tgt Ion: 101 Resp: 1422

Ion Ratio Lower Upper

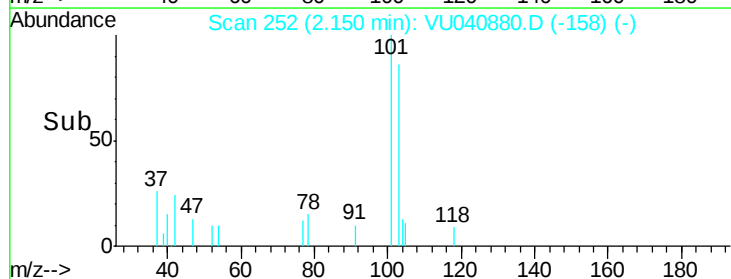
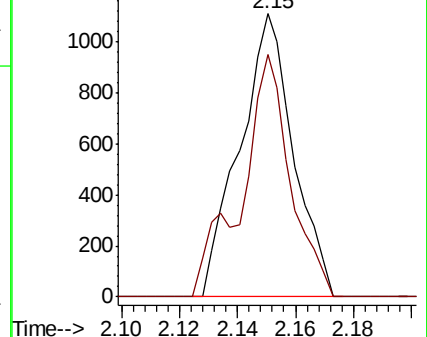
101 100

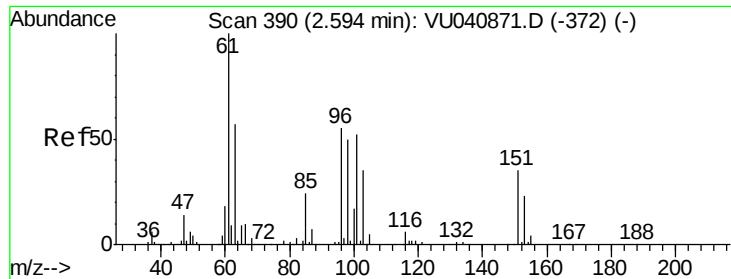
103 78.3 51.4 77.2#



Abundance Ion 101.00 (100.70 to 101.70): VU040880.D (-158) (-)

Ion 103.00 (102.70 to 103.70): VU040880.D (-158) (-)





#10

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

Concen: 0.072 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040880.D

Acq: 21 Oct 2020 17:54

Instrument :

MSVOA_U

ClientSampleId :

C0AK6RE

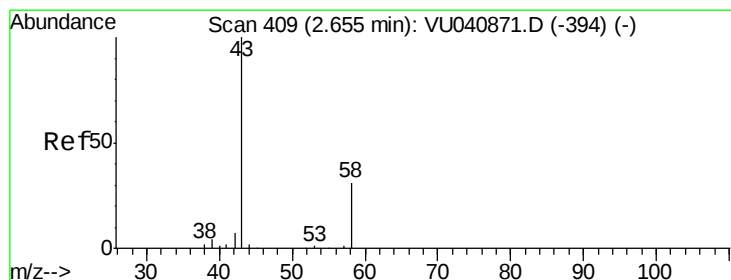
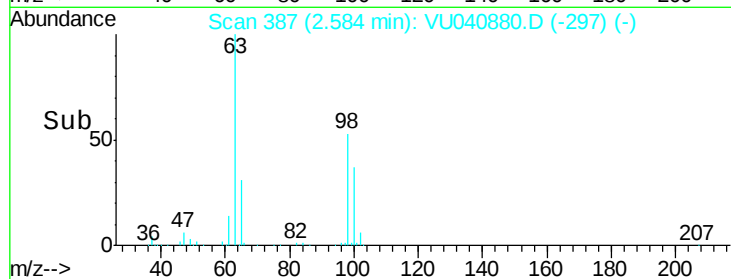
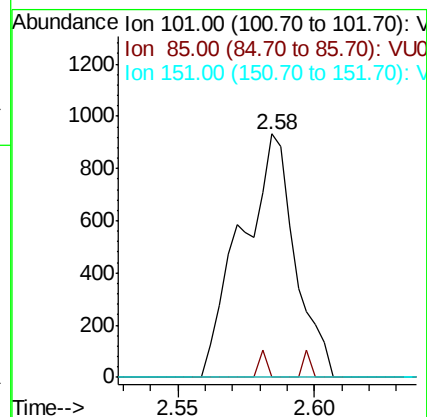
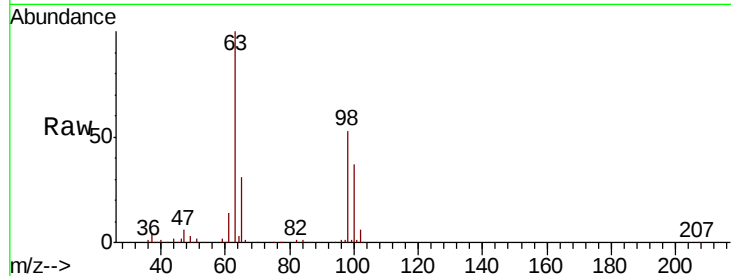
Tot Ion:101 Resp: 1268

Ion Ratio Lower Upper

101 100

85 1.6 36.4 54.6#

151 3.6 56.3 84.5#



#13

Acetone

Concen: 2.417 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU040880.D

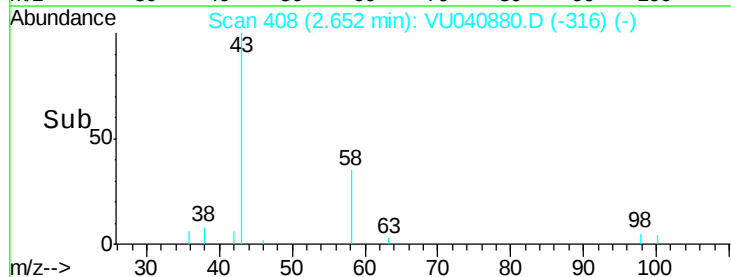
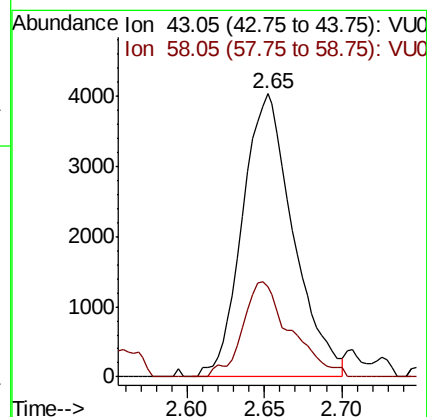
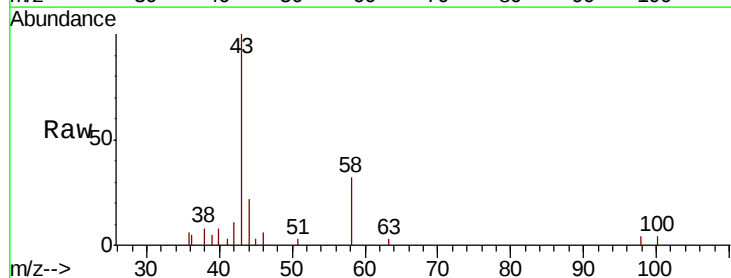
Acq: 21 Oct 2020 17:54

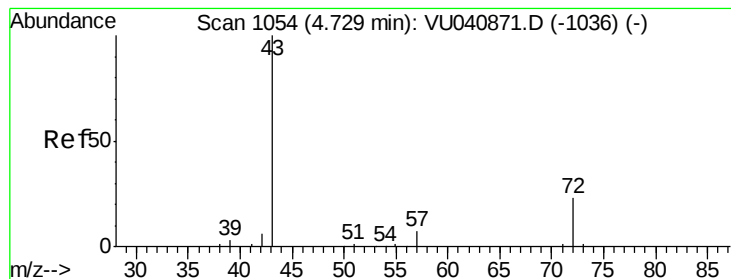
Tgt Ion: 43 Resp: 9233

Ion Ratio Lower Upper

43 100

58 31.8 0.0 58.6





#21

2-Butanone

Concen: 1.032 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VU040880.D

Acq: 21 Oct 2020 17:54

Instrument :

MSVOA_U

ClientSampled :

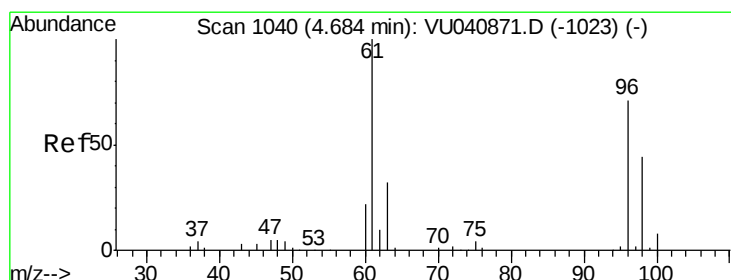
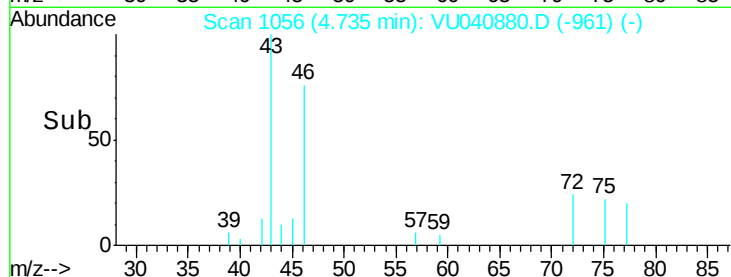
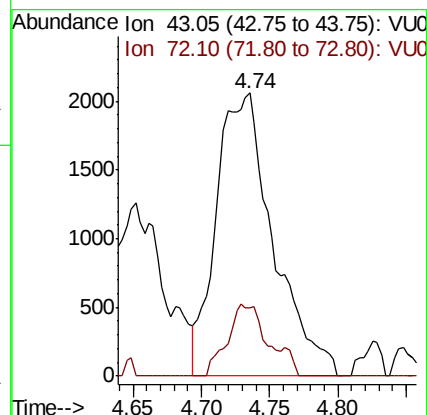
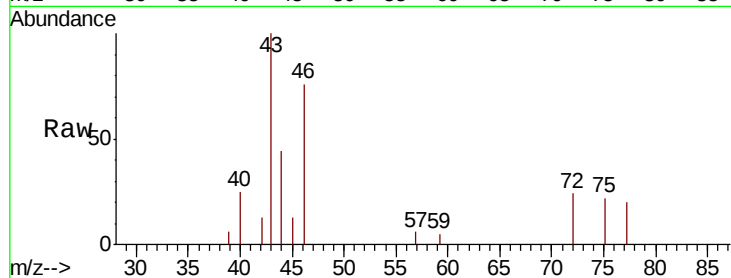
C0AK6RE

Tot Ion: 43 Resp: 5945

Ion Ratio Lower Upper

43 100

72 18.5 12.2 36.4



#22

cis-1,2-Dichloroethene

Concen: 0.081 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU040880.D

Acq: 21 Oct 2020 17:54

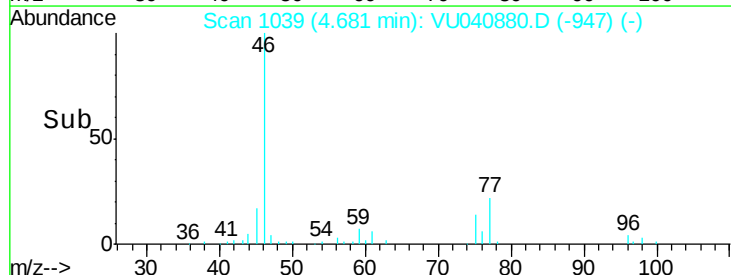
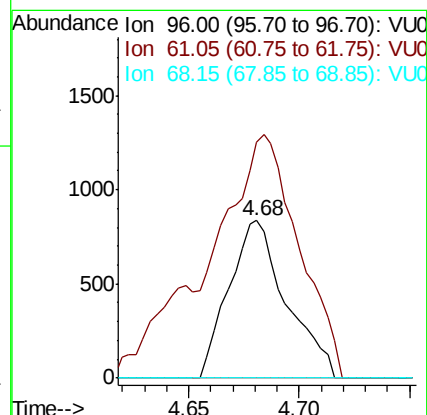
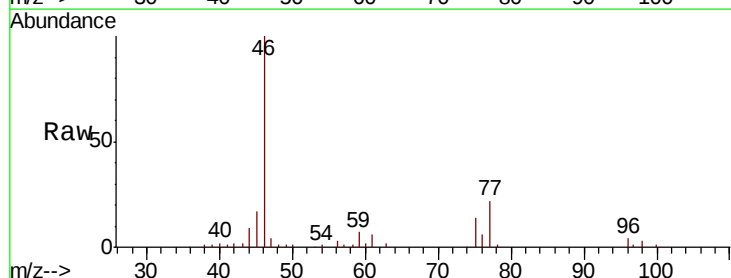
Tgt Ion: 96 Resp: 1506

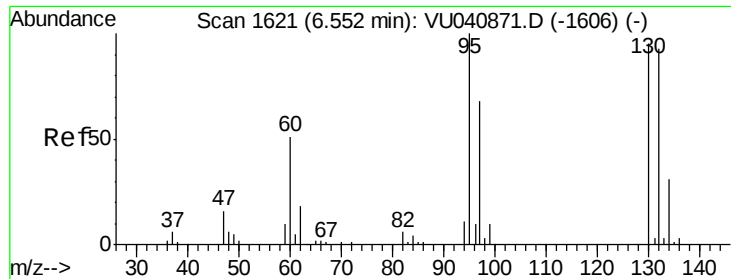
Ion Ratio Lower Upper

96 100

61 150.1 100.0 185.6

68 0.0 0.0 0.0

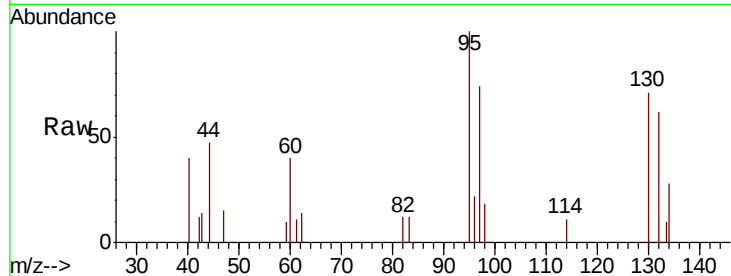




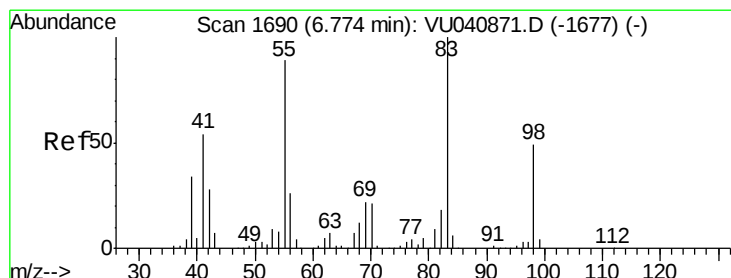
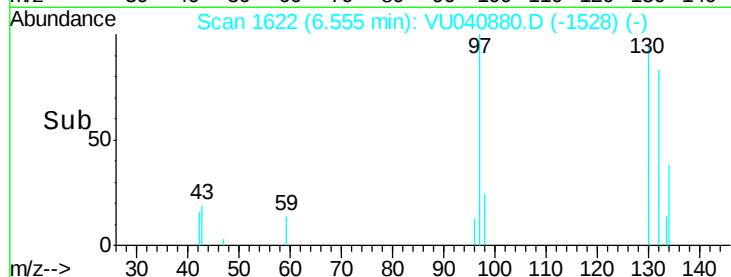
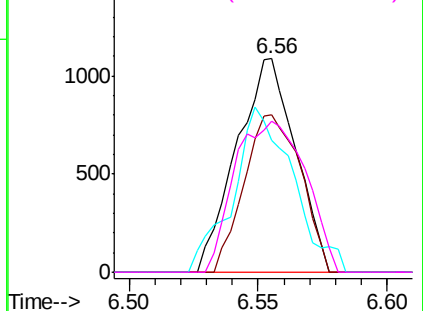
#34
 Trichloroethene
 Concen: 0.092 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040880.D
 Acq: 21 Oct 2020 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK6RE

Tot Ion: 95 Resp: 1734
 Ion Ratio Lower Upper
 95 100
 97 73.9 46.0 85.4
 132 61.6 63.6 118.2#
 130 70.5 68.6 127.4

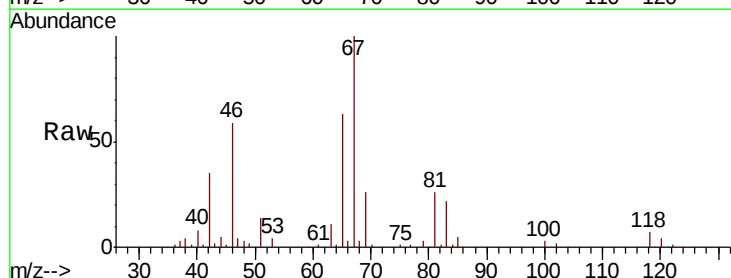


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

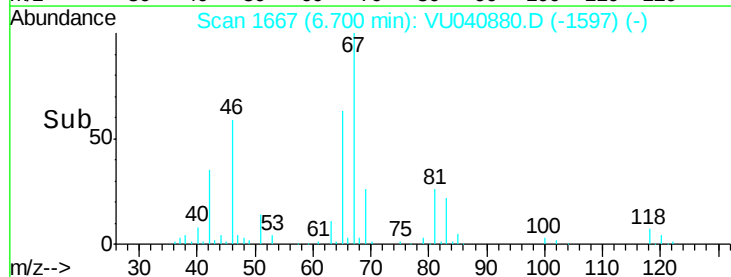
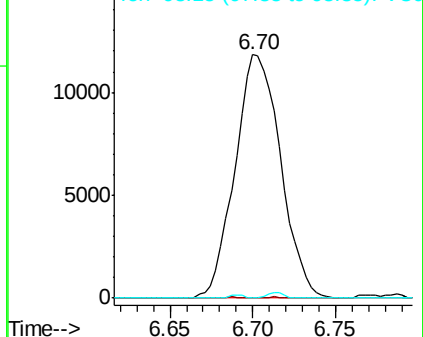


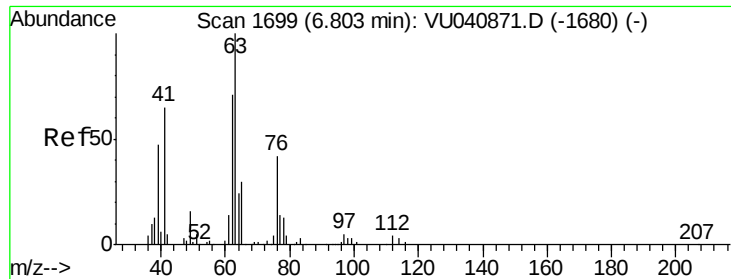
#35
 Methylcyclohexane
 Concen: 0.799 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU040880.D
 Acq: 21 Oct 2020 17:54

Tgt Ion: 83 Resp: 22646
 Ion Ratio Lower Upper
 83 100
 55 0.1 69.1 103.7#
 98 0.8 37.8 56.6#



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

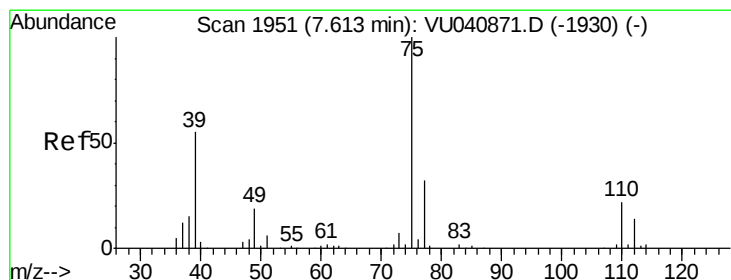
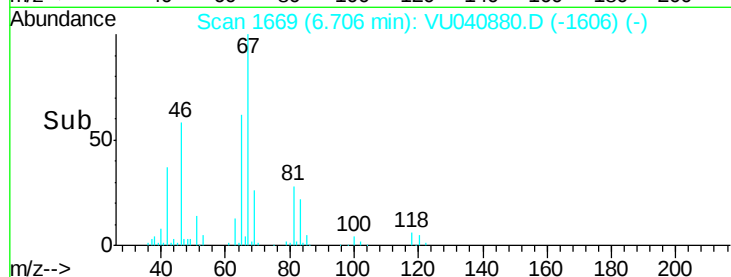
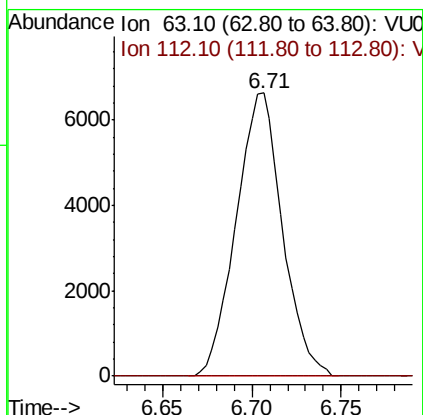
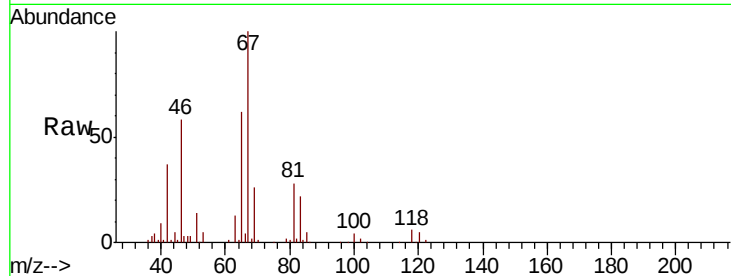




#37
 1,2-Dichloropropane
 Concen: 0.599 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU040880.D
 Acq: 21 Oct 2020 17:54

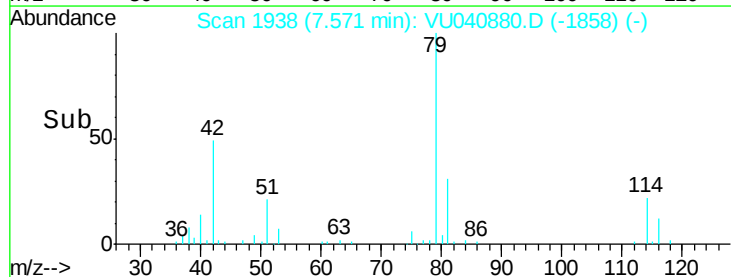
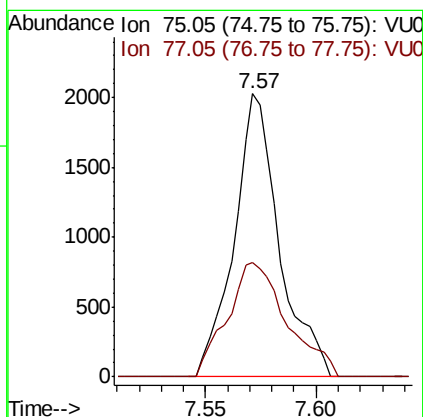
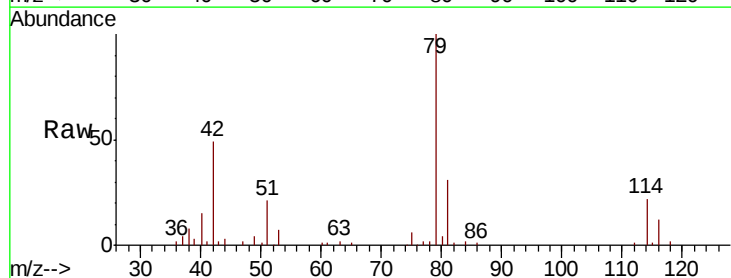
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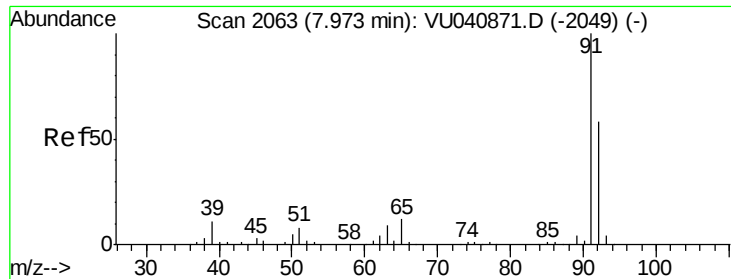
Tot Ion: 63 Resp: 12025
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.107 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040880.D
 Acq: 21 Oct 2020 17:54

Tgt Ion: 75 Resp: 2884
 Ion Ratio Lower Upper
 75 100
 77 40.4 21.6 40.2#





#42

Toluene

Concen: 0.058 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040880.D

Acq: 21 Oct 2020 17:54

Instrument :

MSVOA_U

ClientSampleId :

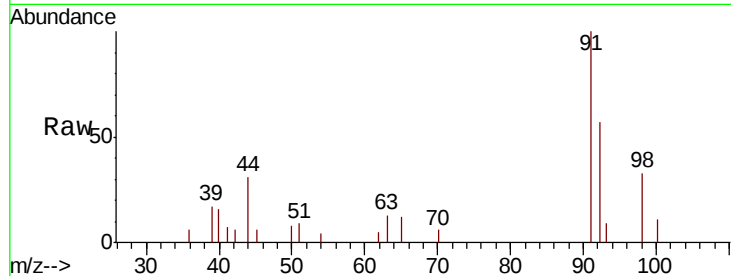
C0AK6RE

Tot Ion: 91 Resp: 4329

Ion Ratio Lower Upper

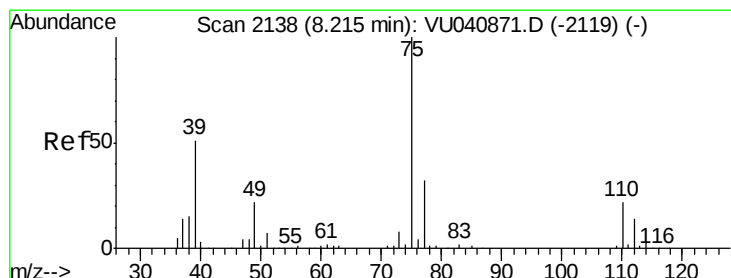
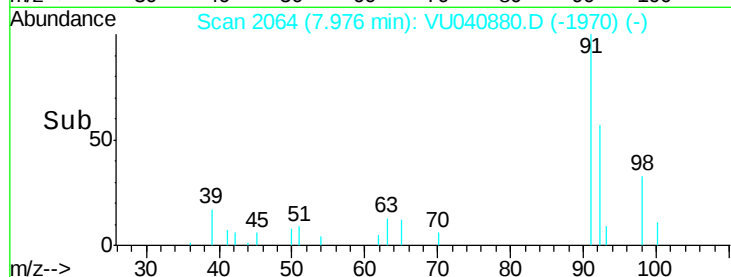
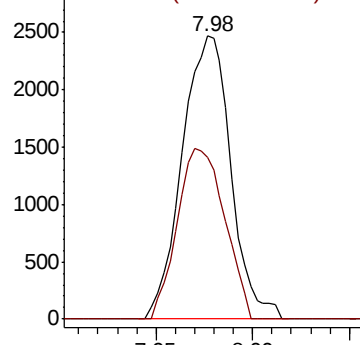
91 100

92 57.1 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 8.18 min Scan# 2127

Delta R.T. -0.04 min

Lab File: VU040880.D

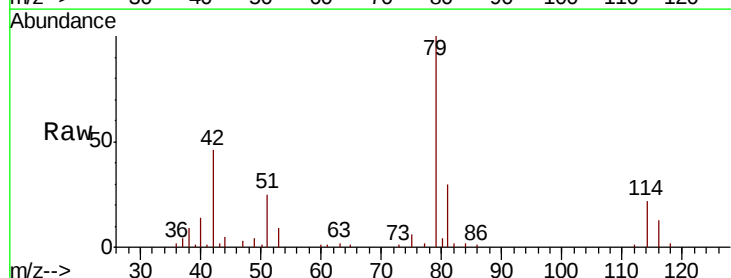
Acq: 21 Oct 2020 17:54

Tgt Ion: 75 Resp: 2335

Ion Ratio Lower Upper

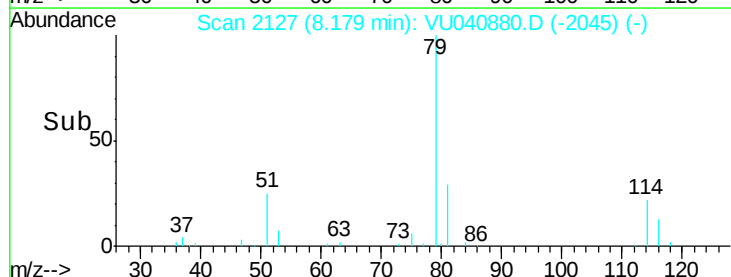
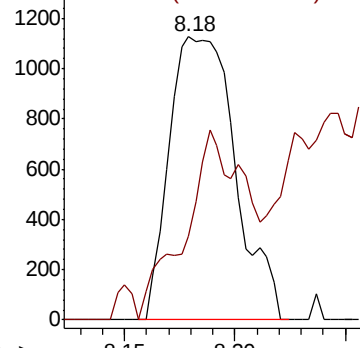
75 100

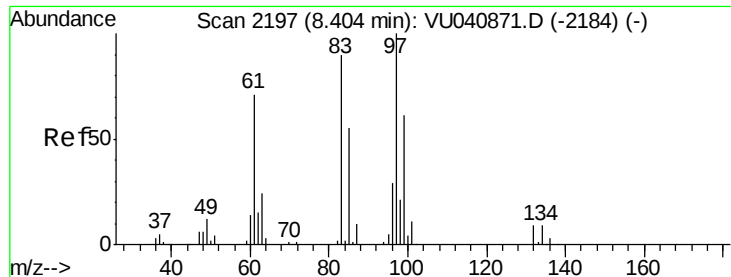
77 29.5 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 0.168 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.15 min

Lab File: VU040880.D

Acq: 21 Oct 2020 17:54

Instrument :

MSVOA_U

ClientSampleId :

C0AK6RE

Tot Ion: 97 Resp: 2305

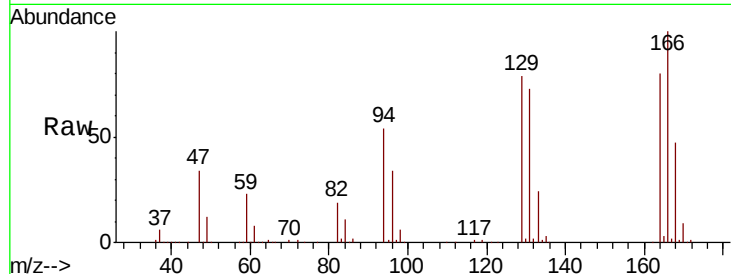
Ion Ratio Lower Upper

97 100

99 17.2 42.1 78.1#

83 277.4 62.0 115.2#

85 46.9 40.3 74.8



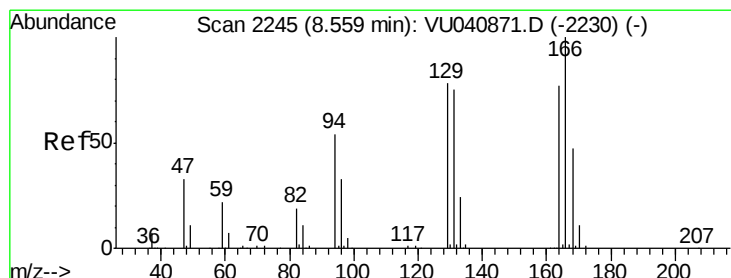
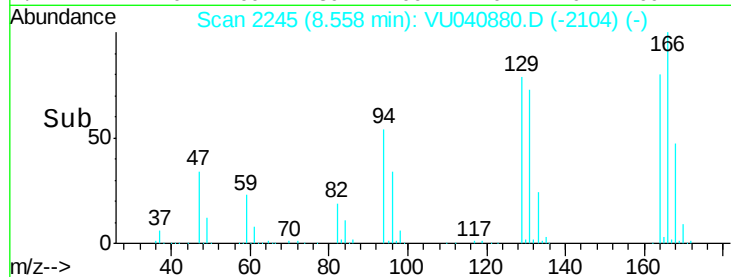
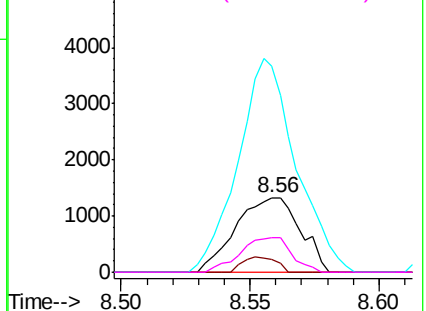
Abundance

Ion 96.95 (96.65 to 97.65): VU040880.D (-2104) (-)

Ion 99.05 (98.75 to 99.75): VU040880.D (-2104) (-)

Ion 82.95 (82.65 to 83.65): VU040880.D (-2104) (-)

Ion 85.00 (84.70 to 85.70): VU040880.D (-2104) (-)



#47

Tetrachloroethene

Concen: 17.454 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU040880.D

Acq: 21 Oct 2020 17:54

Tgt Ion:164 Resp: 245878

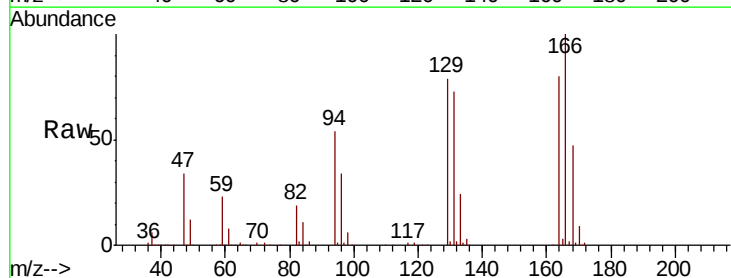
Ion Ratio Lower Upper

164 100

129 99.0 69.7 129.4

131 92.3 65.4 121.4

166 125.6 90.0 167.2



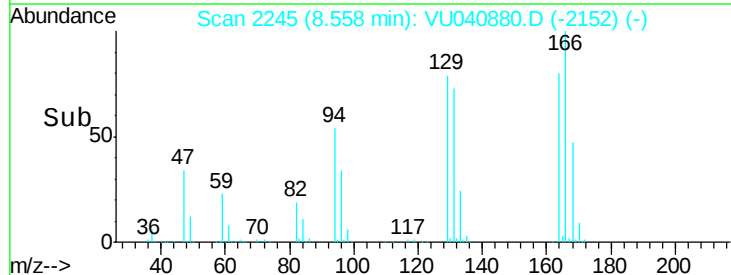
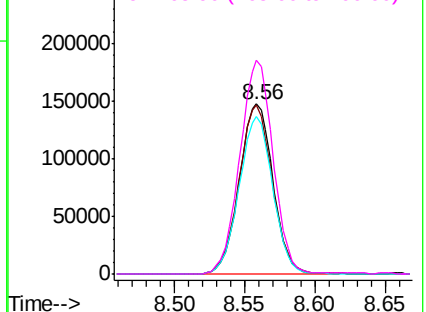
Abundance

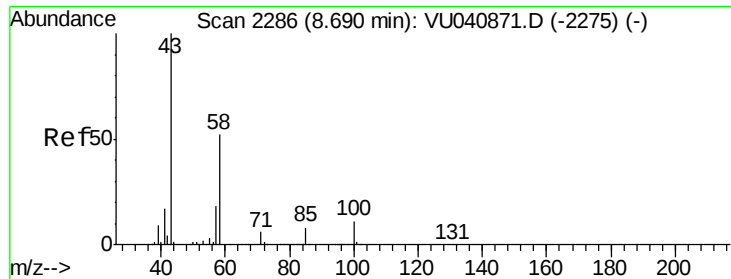
Ion 163.90 (163.60 to 164.60): VU040880.D (-2152) (-)

Ion 128.95 (128.65 to 129.65): VU040880.D (-2152) (-)

Ion 130.95 (130.65 to 131.65): VU040880.D (-2152) (-)

Ion 165.90 (165.60 to 166.60): VU040880.D (-2152) (-)

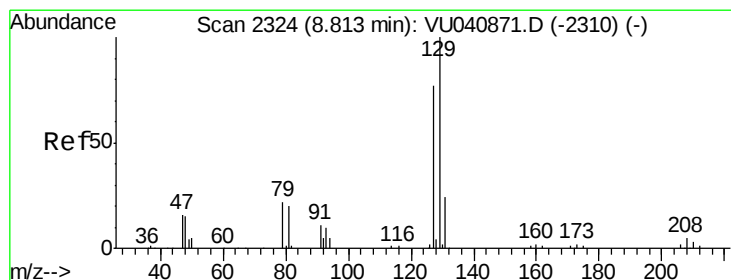
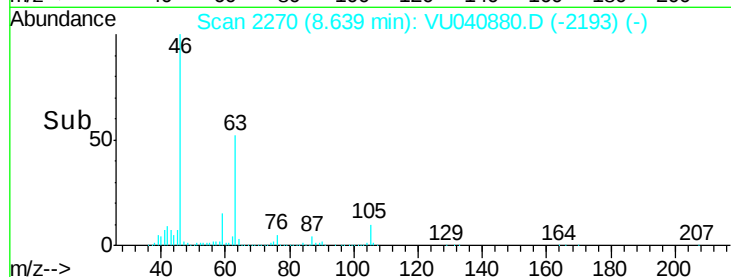
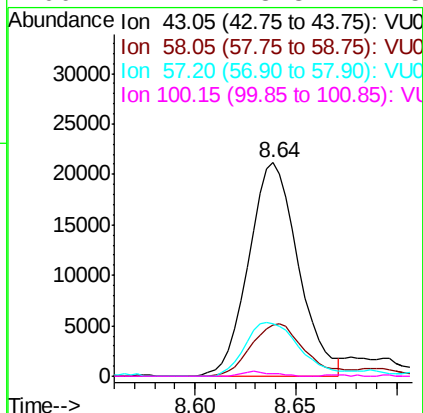
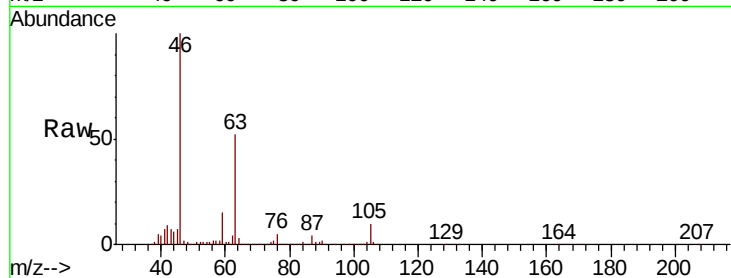




#48
2-Hexanone
Concen: 3.704 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU040880.D
Acq: 21 Oct 2020 17:54

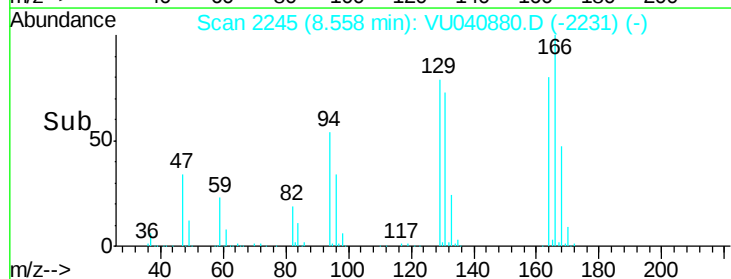
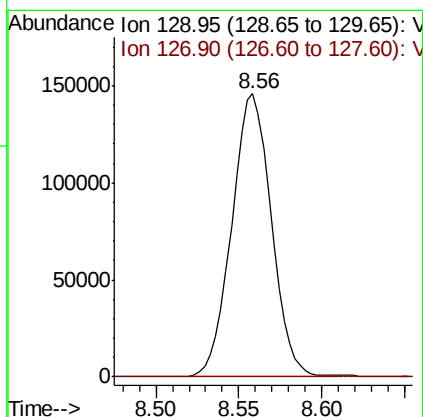
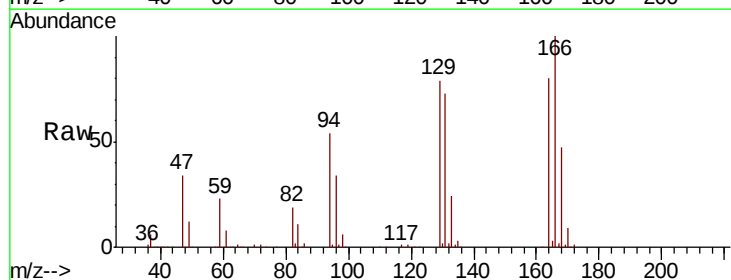
Instrument :
MSVOA_U
ClientSampleId :
C0AK6RE

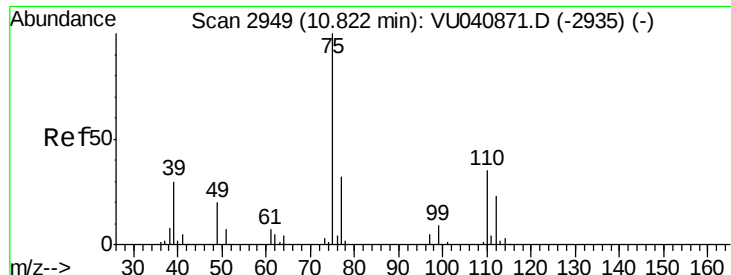
Tot Ion: 43 Resp: 36311
Ion Ratio Lower Upper
43 100
58 26.7 40.9 61.3#
57 27.8 14.4 21.6#
100 1.4 8.3 12.5#



#49
Dibromochloromethane
Concen: 14.717 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU040880.D
Acq: 21 Oct 2020 17:54

Tgt Ion: 129 Resp: 240231
Ion Ratio Lower Upper
129 100
127 0.0 55.9 103.9#





#59

1,2,3-Trichloropropane

Concen: 1.026 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040880.D

Acq: 21 Oct 2020 17:54

Instrument :

MSVOA_U

ClientSampleId :

C0AK6RE

Tot Ion: 75 Resp: 13387

Ion Ratio Lower Upper

75 100

77 42.8 27.5 41.3#

