

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040825.D
 Acq On : 19 Oct 2020 23:51
 Operator : SY/MD
 Sample : L4420-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK2

Quant Time: Oct 20 05:20:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 05:12:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	105476	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110362	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42511	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26567	3.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.80%
7) Chloroethane-d5	1.92	69	29453	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.58	63	47433	2.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.60%#
20) 2-Butanone-d5	4.66	46	173195	61.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.86%
24) Chloroform-d	5.08	84	79333	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.72	65	49856	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
32) Benzene-d6	5.75	84	131494	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.70	67	49908	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.91	98	97390	3.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.00%
43) trans-1,3-Dichloropropene-	8.19	79	17888	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.64	63	113212	52.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47697	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	44607	5.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.20%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	2342	0.262 ug/L #	72
5) Vinyl chloride	1.61	62	1402	0.149 ug/L #	1
8) Chloroethane	1.94	64	207	0.035 ug/L #	50
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	400	0.046 ug/L #	20
12) 1,1-Dichloroethene	2.59	96	3309	0.440 ug/L #	1
14) Carbon disulfide	2.81	76	1037	0.049 ug/L #	76
17) Methyl tert-butyl Ether	3.38	73	3686	0.173 ug/L #	87
19) 1,1-Dichloroethane	3.89	63	4804	0.295 ug/L	92
22) cis-1,2-Dichloroethene	4.69	96	24975	2.940 ug/L	98
25) Chloroform	5.11	83	973	0.058 ug/L #	70
34) Trichloroethene	6.55	95	20350	2.214 ug/L	95
35) Methylcyclohexane	6.70	83	11959	0.918 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6043	0.612 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1404	0.104 ug/L #	65
42) Toluene	7.98	91	1770	0.049 ug/L	85
44) trans-1,3-Dichloropropene	8.19	75	933	0.075 ug/L	95
47) Tetrachloroethene	8.56	164	10773	1.643 ug/L	92

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 20 05:12:18 2020
Response via : Initial Calibration

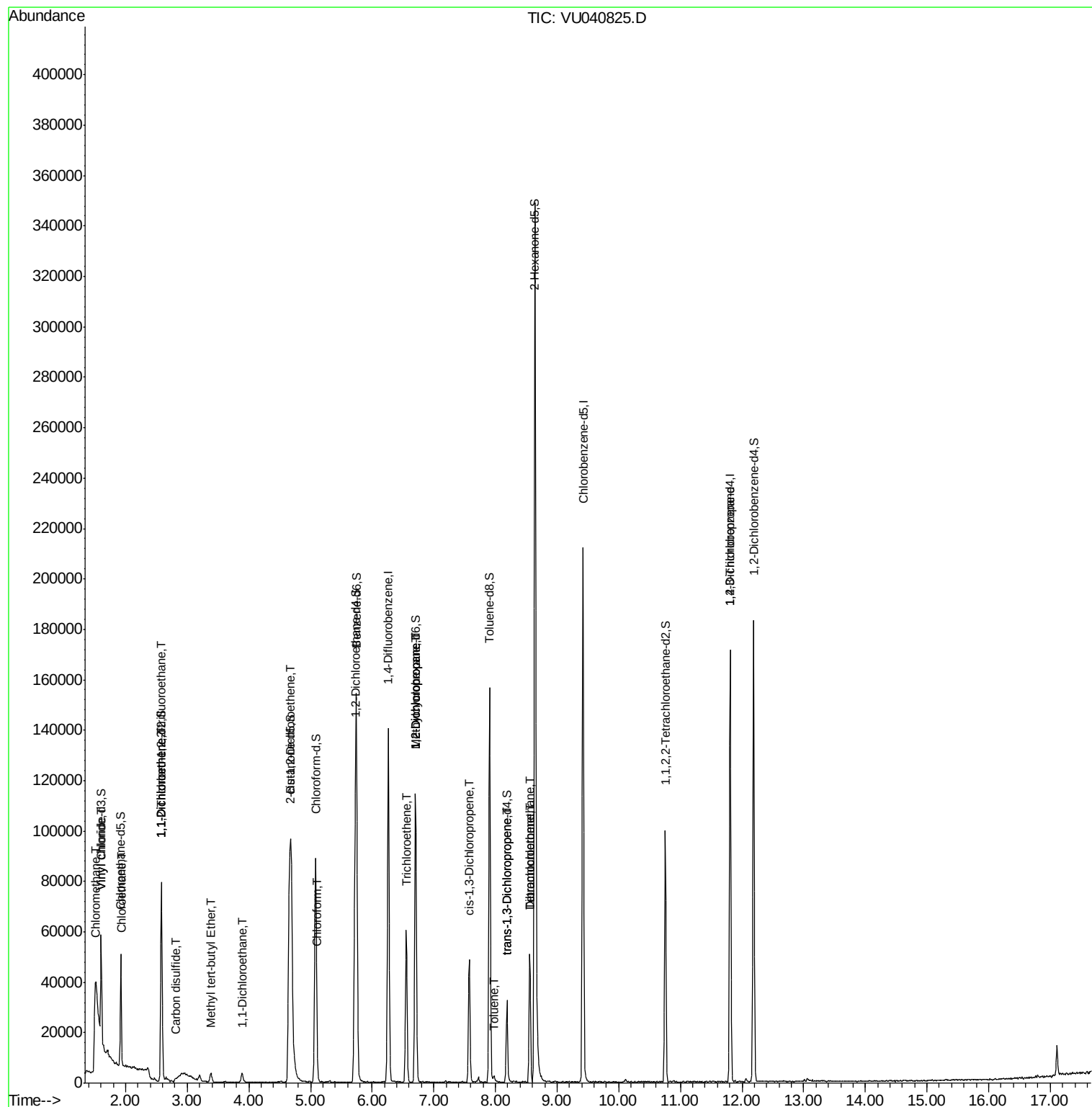
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.56	129	10344	1.215	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	5825	0.803	ug/L	93

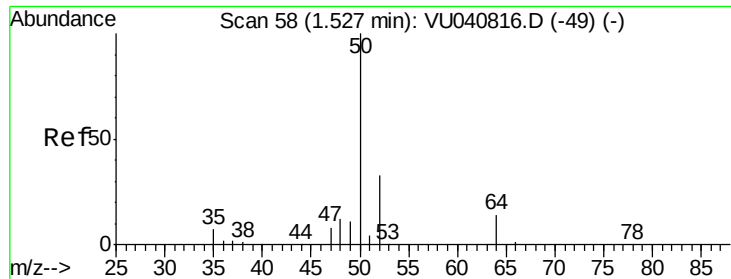
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.262 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040825.D

Acq: 19 Oct 2020 23:51

Instrument :

MSVOA_U

ClientSampleId :

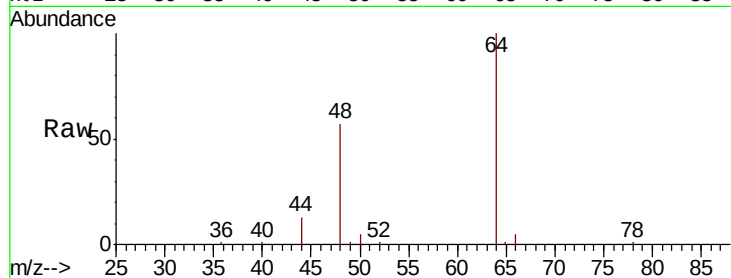
C0AK2

Tot Ion: 50 Resp: 2342

Ion Ratio Lower Upper

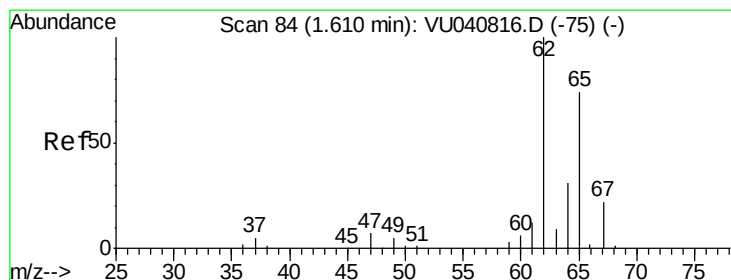
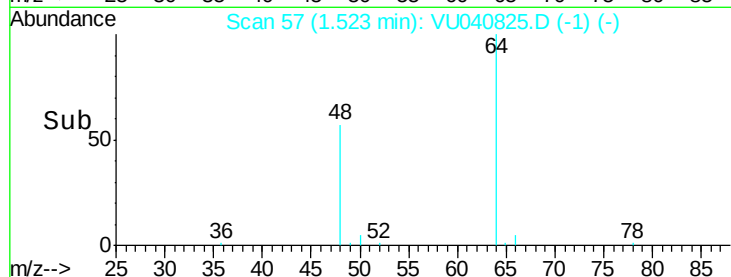
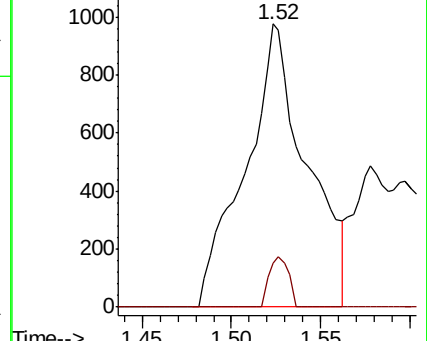
50 100

52 15.7 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 0.149 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040825.D

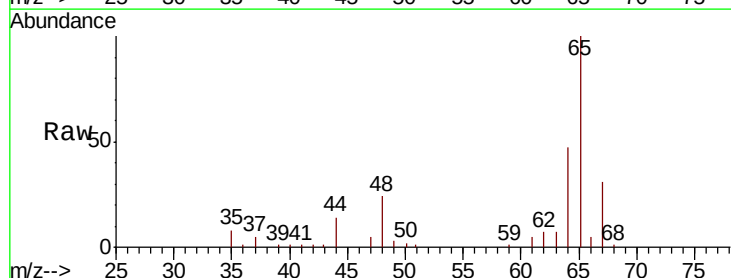
Acq: 19 Oct 2020 23:51

Tgt Ion: 62 Resp: 1402

Ion Ratio Lower Upper

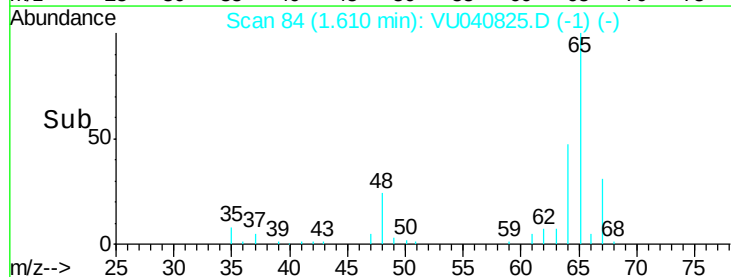
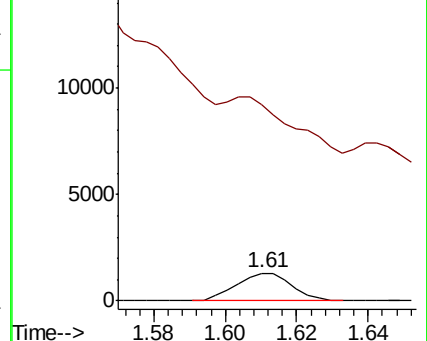
62 100

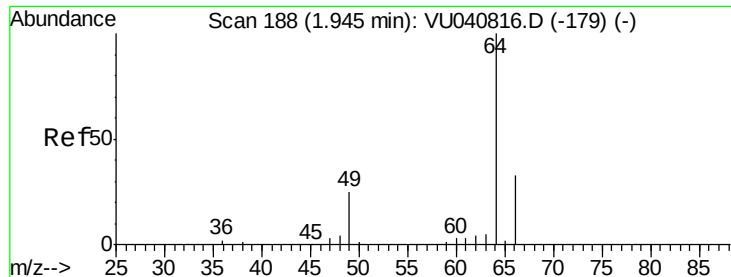
64 704.1 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

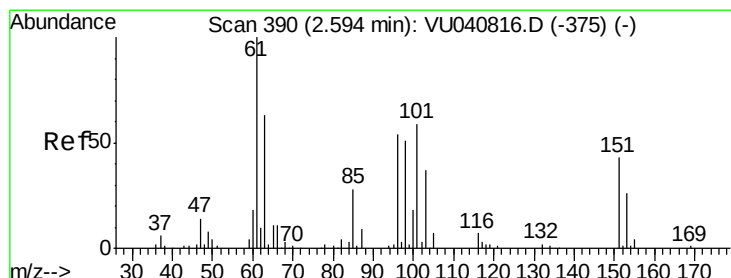
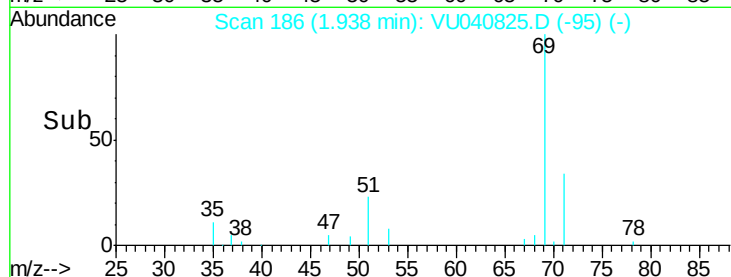
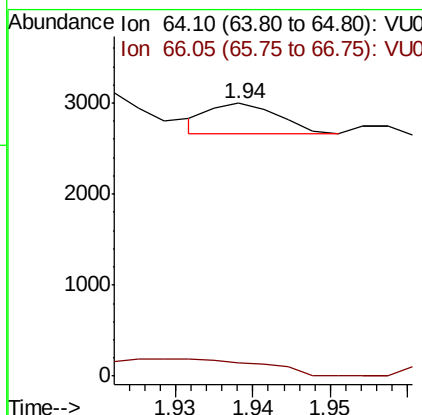
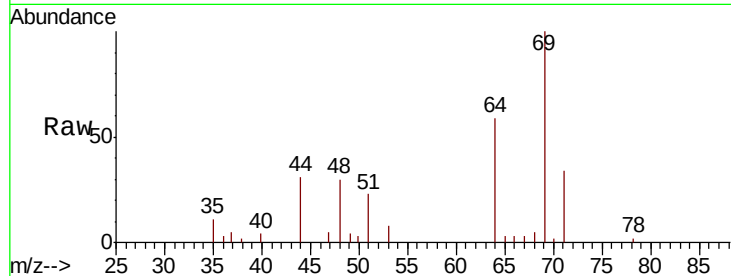




#8
Chloroethane
Concen: 0.035 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.01 min
Lab File: VU040825.D
Acq: 19 Oct 2020 23:51

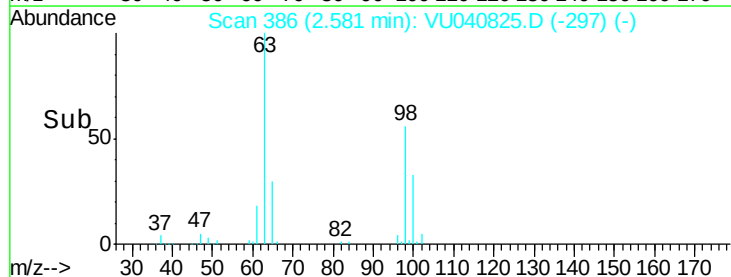
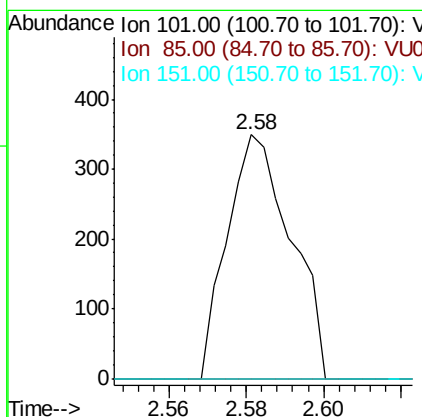
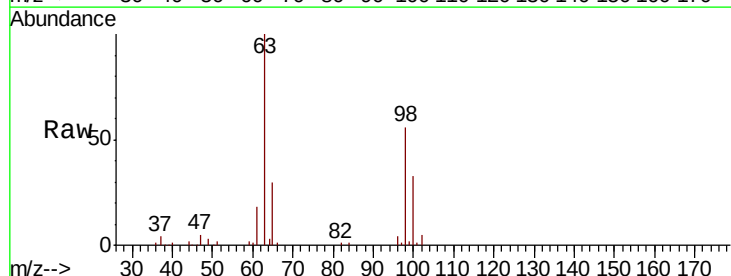
Instrument :
MSVOA_U
ClientSampleId :
C0AK2

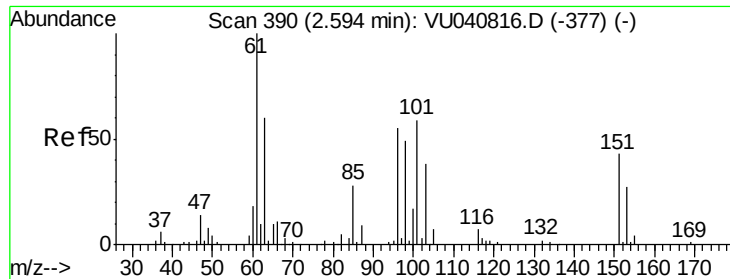
Tot Ion: 64 Resp: 207
Ion Ratio Lower Upper
64 100
66 4.9 23.3 43.3#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.046 ug/L
RT: 2.58 min Scan# 386
Delta R.T. -0.01 min
Lab File: VU040825.D
Acq: 19 Oct 2020 23:51

Tgt Ion: 101 Resp: 400
Ion Ratio Lower Upper
101 100
85 0.0 36.7 55.1#
151 0.0 58.0 87.0#

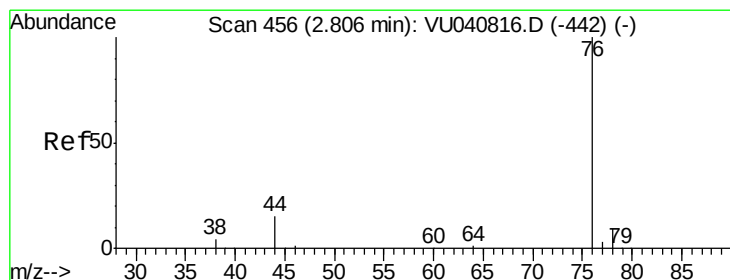
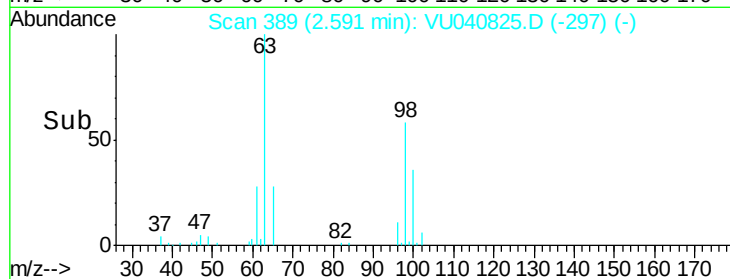
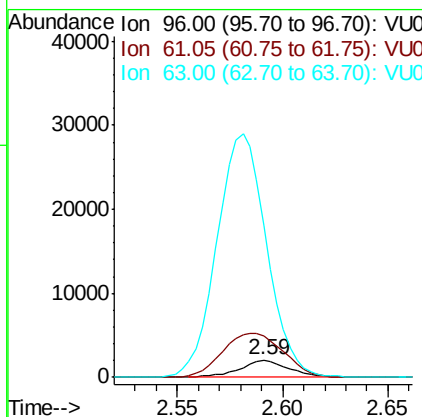
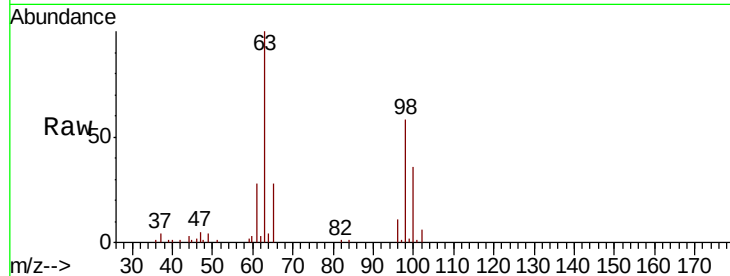




#12
 1,1-Dichloroethene
 Concen: 0.440 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VU040825.D
 Acq: 19 Oct 2020 23:51

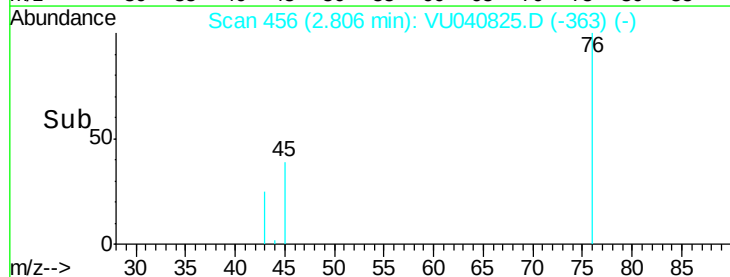
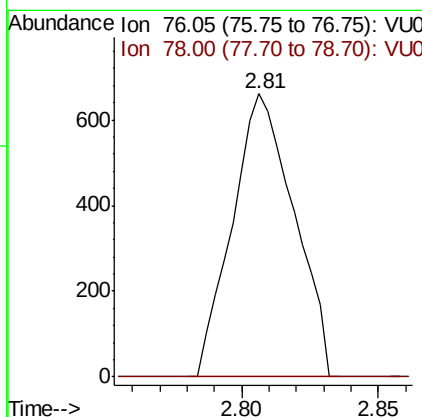
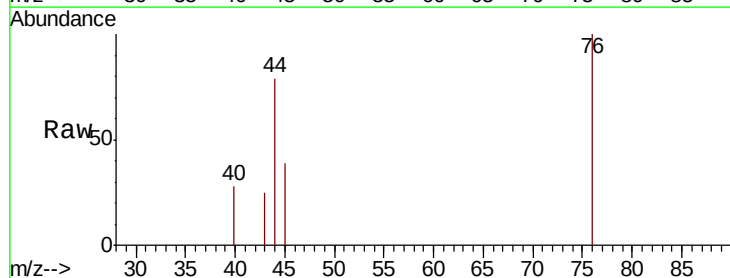
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK2

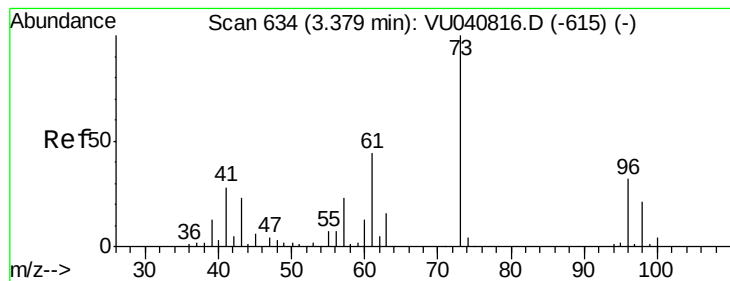
Tot Ion	96	Resp	3309
Ion Ratio	Lower	Upper	
96	100		
61	241.2	128.8	239.2#
63	873.5	84.6	157.2#



#14
 Carbon disulfide
 Concen: 0.049 ug/L
 RT: 2.81 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VU040825.D
 Acq: 19 Oct 2020 23:51

Tgt Ion	76	Resp	1037
Ion Ratio	Lower	Upper	
76	100		
78	0.0	6.8	10.2#



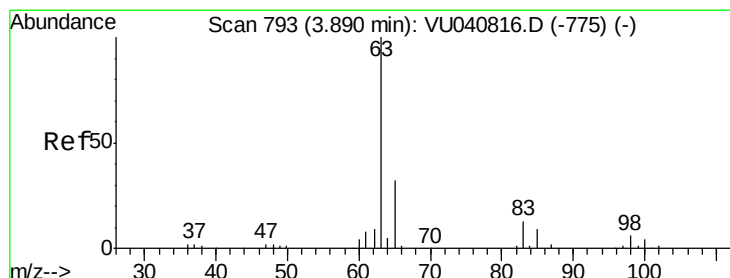
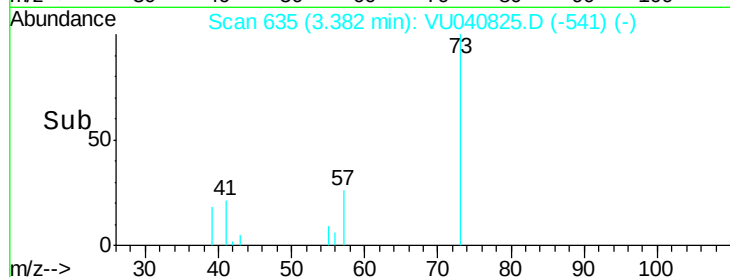
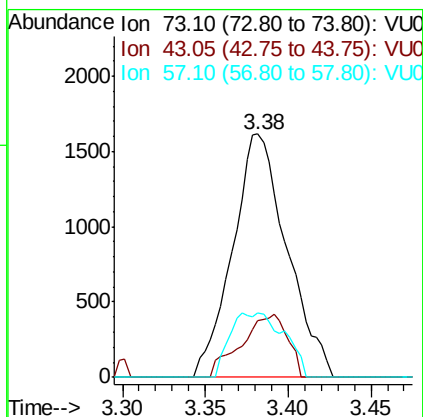
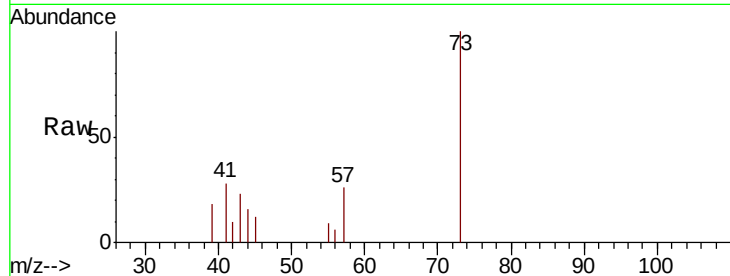


#17

Methyl tert-butyl Ether
 Concen: 0.173 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU040825.D
 Acq: 19 Oct 2020 23:51

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK2

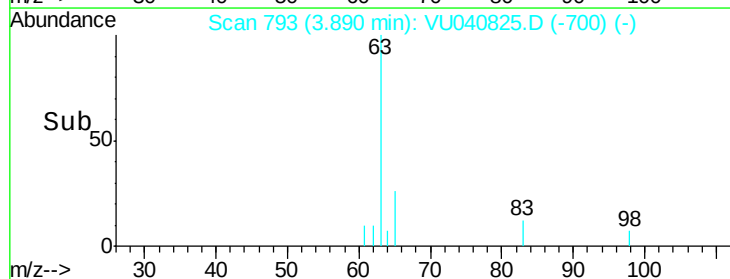
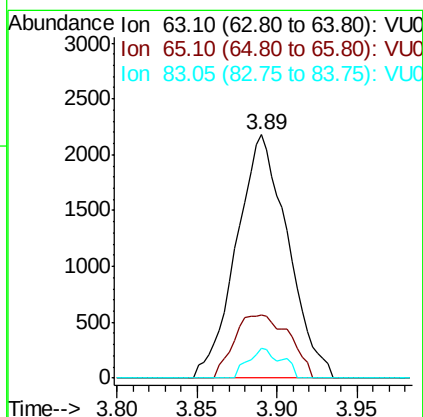
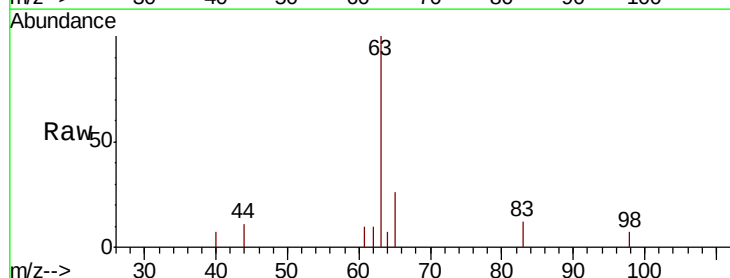
Tot Ion: 73 Resp: 3686
 Ion Ratio Lower Upper
 73 100
 43 21.9 18.2 27.4
 57 12.0 18.6 28.0#

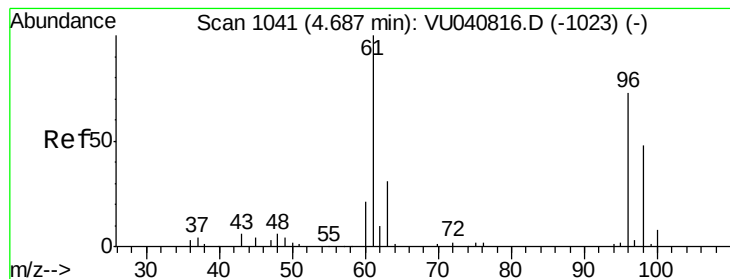


#19

1,1-Dichloroethane
 Concen: 0.295 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU040825.D
 Acq: 19 Oct 2020 23:51

Tgt Ion: 63 Resp: 4804
 Ion Ratio Lower Upper
 63 100
 65 25.7 21.9 40.7
 83 12.3 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 2.940 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU040825.D

Acq: 19 Oct 2020 23:51

Instrument :

MSVOA_U

ClientSampleId :

C0AK2

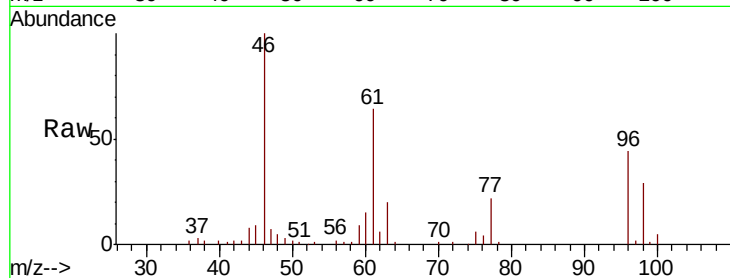
Tot Ion: 96 Resp: 24975

Ion Ratio Lower Upper

96 100

61 144.9 99.8 185.4

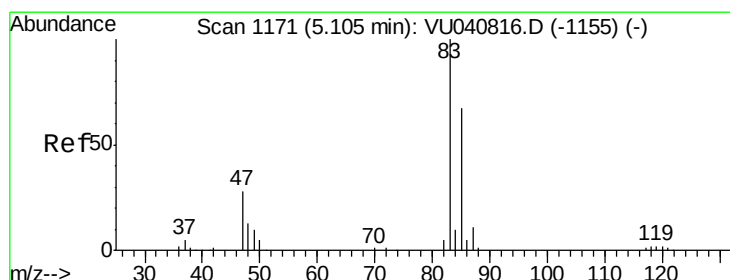
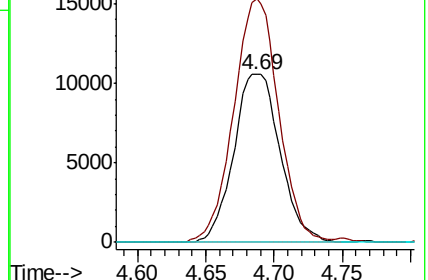
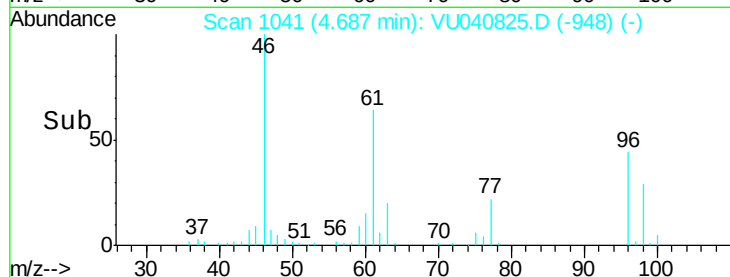
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040825.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU040825.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU040825.D (-948) (-)



#25

Chloroform

Concen: 0.058 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VU040825.D

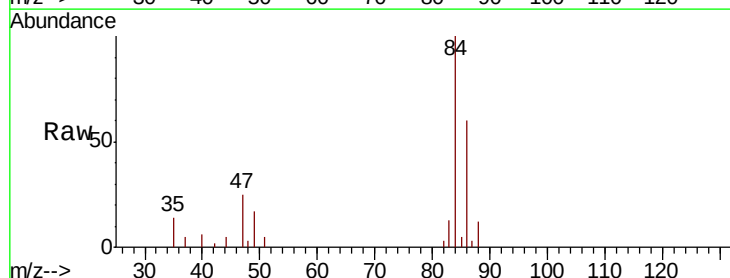
Acq: 19 Oct 2020 23:51

Tgt Ion: 83 Resp: 973

Ion Ratio Lower Upper

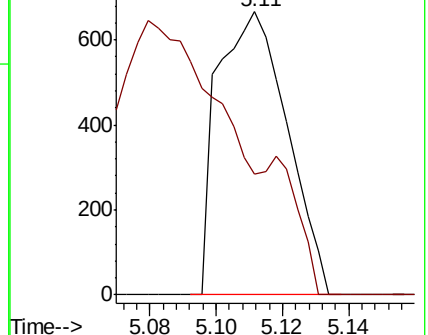
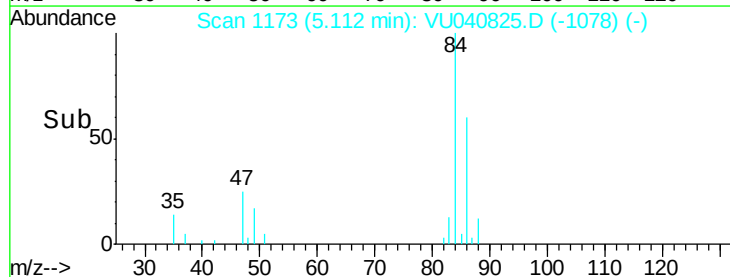
83 100

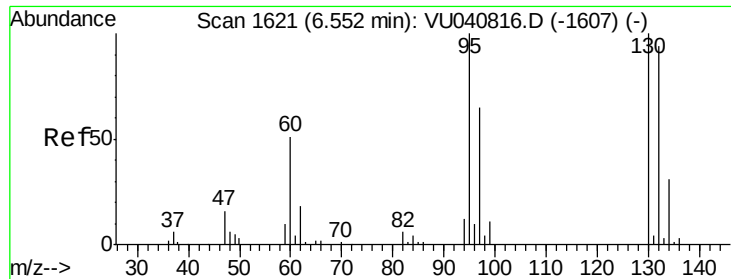
85 42.6 46.5 86.5#



Abundance Ion 83.05 (82.75 to 83.75): VU040825.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU040825.D (-1078) (-)

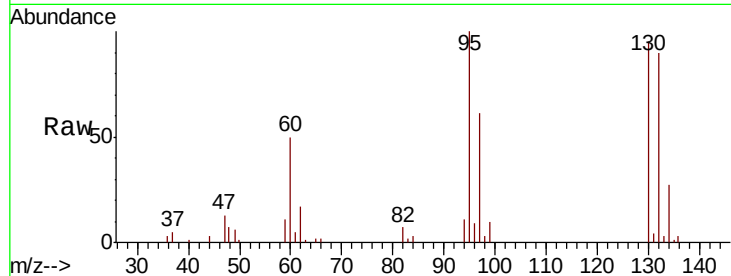




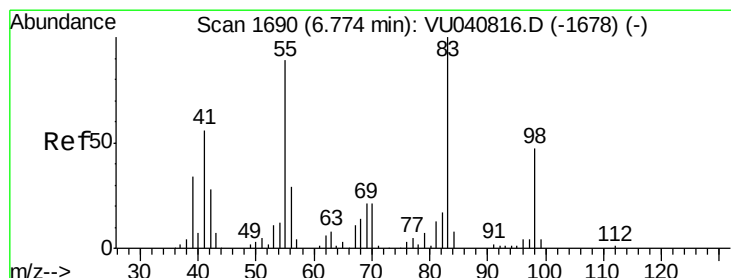
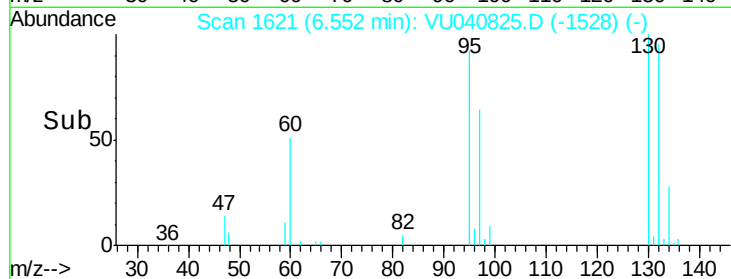
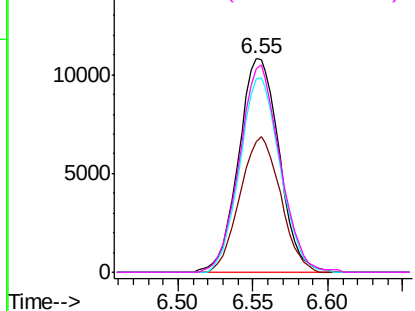
#34
 Trichloroethene
 Concen: 2.214 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040825.D
 Acq: 19 Oct 2020 23:51

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK2

Tot Ion:	95	Resp:	20350
Ion	Ratio	Lower	Upper
95	100		
97	61.1	45.5	84.5
132	90.3	67.5	125.4
130	95.2	69.9	129.9

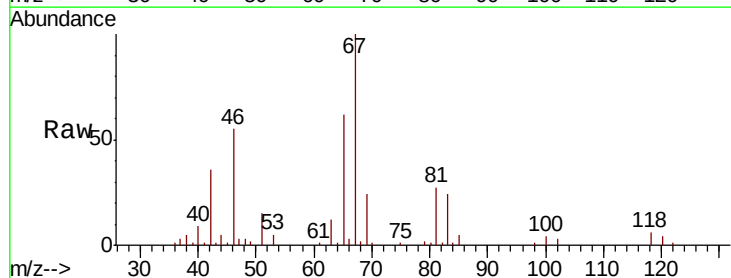


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

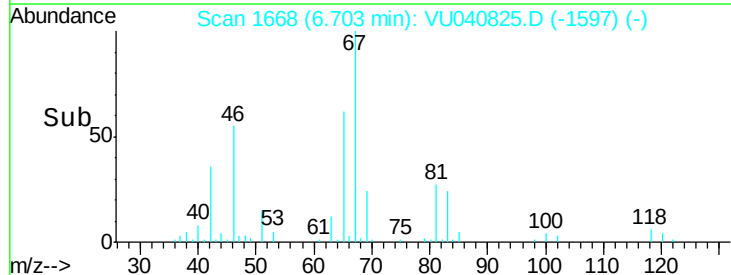
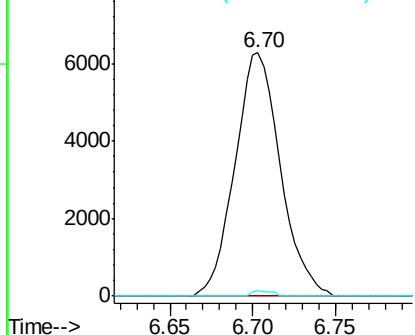


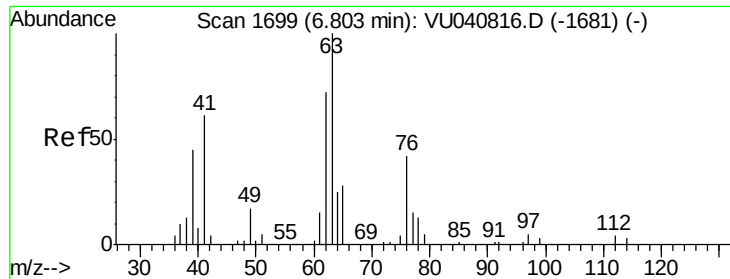
#35
 Methylcyclohexane
 Concen: 0.918 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040825.D
 Acq: 19 Oct 2020 23:51

Tgt Ion:	83	Resp:	11959
Ion	Ratio	Lower	Upper
83	100		
55	0.0	70.7	106.1#
98	0.9	38.4	57.6#



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

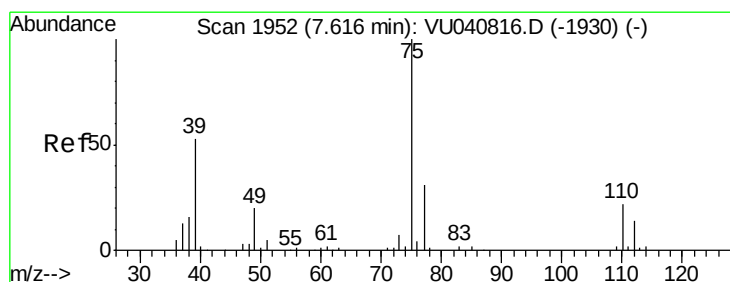
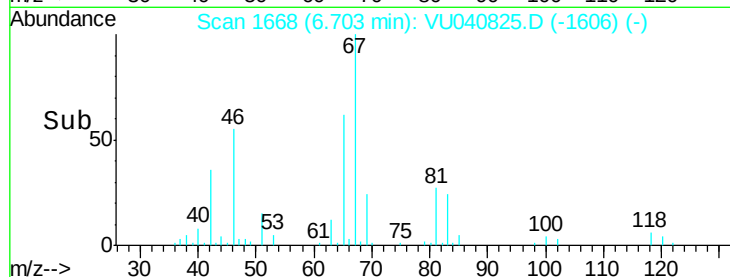
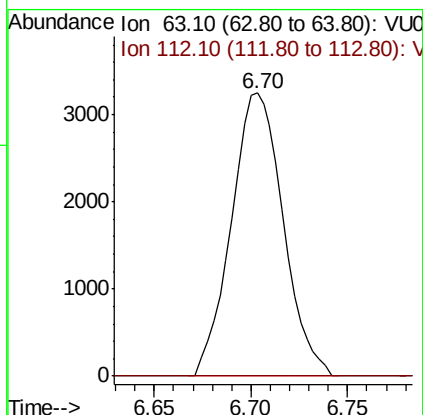
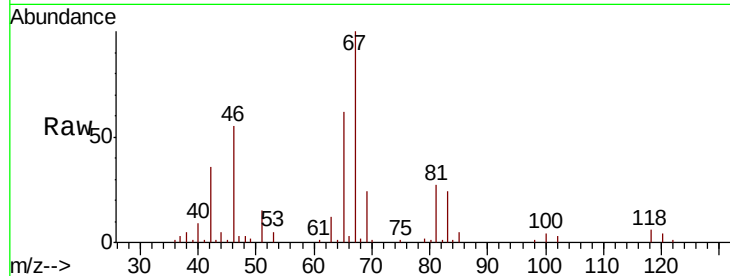




#37
 1,2-Dichloropropane
 Concen: 0.612 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040825.D
 Acq: 19 Oct 2020 23:51

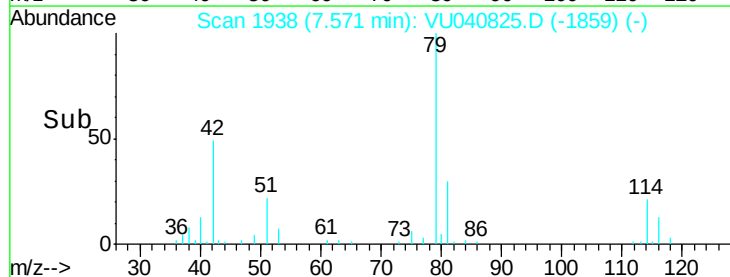
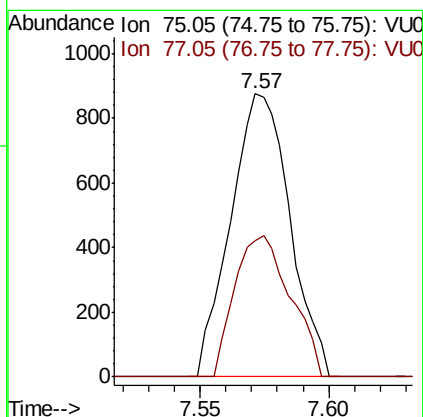
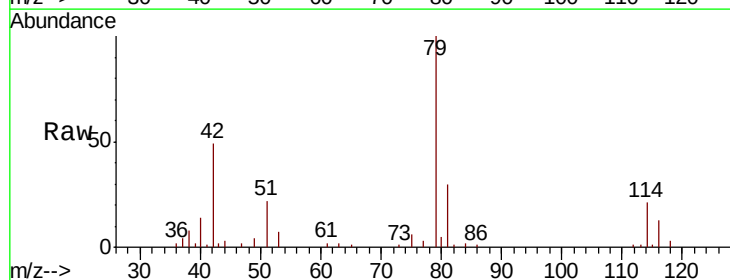
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK2

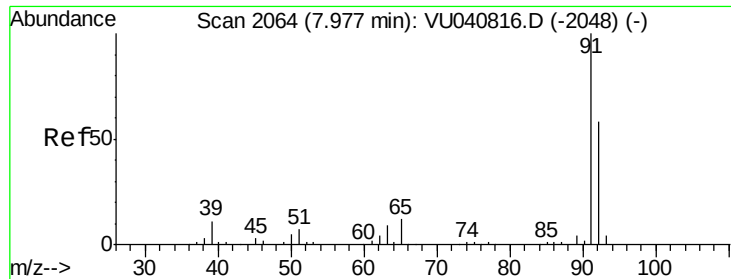
Tot Ion: 63 Resp: 6043
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.104 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.05 min
 Lab File: VU040825.D
 Acq: 19 Oct 2020 23:51

Tgt Ion: 75 Resp: 1404
 Ion Ratio Lower Upper
 75 100
 77 47.9 20.5 38.1#





#42

Toluene

Concen: 0.049 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040825.D

Acq: 19 Oct 2020 23:51

Instrument :

MSVOA_U

ClientSampleId :

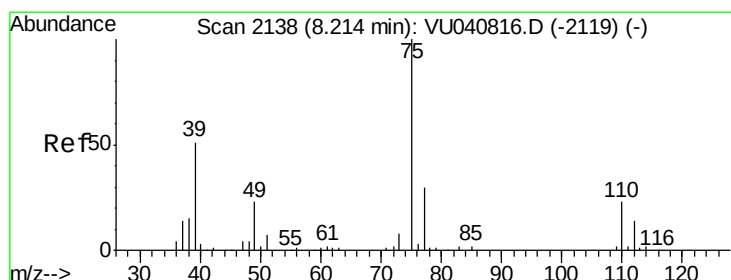
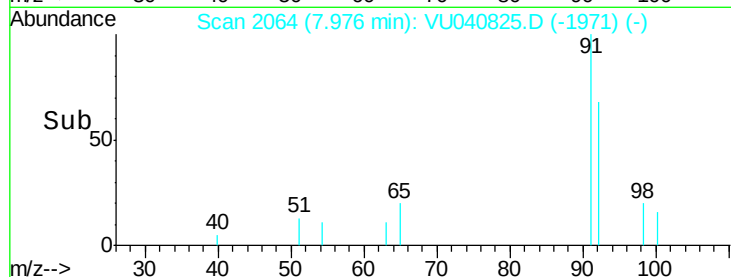
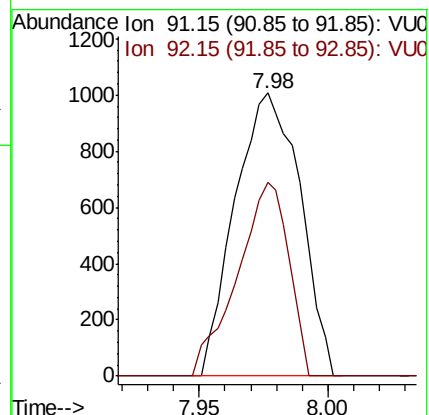
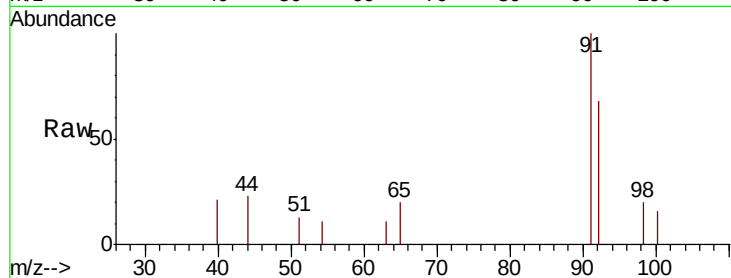
C0AK2

Tot Ion: 91 Resp: 1770

Ion Ratio Lower Upper

91 100

92 68.4 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040825.D

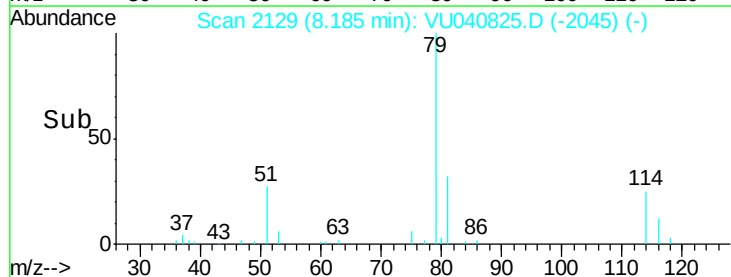
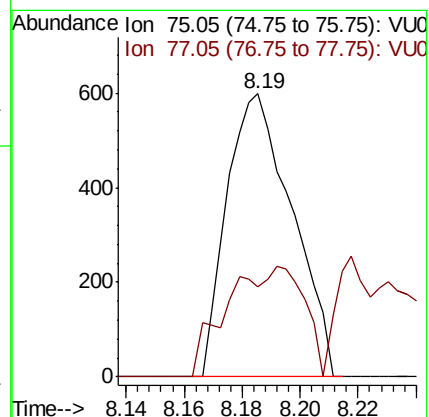
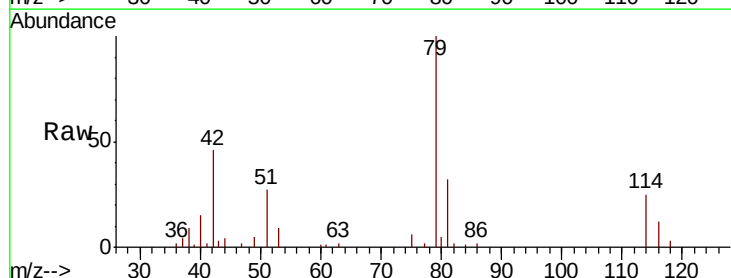
Acq: 19 Oct 2020 23:51

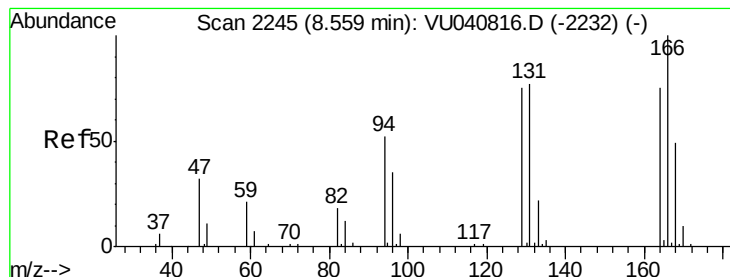
Tgt Ion: 75 Resp: 933

Ion Ratio Lower Upper

75 100

77 31.8 20.4 38.0





#47

Tetrachloroethene

Concen: 1.643 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU040825.D

Acq: 19 Oct 2020 23:51

Instrument :

MSVOA_U

ClientSampleId :

C0AK2

Tot Ion:164 Resp: 10773

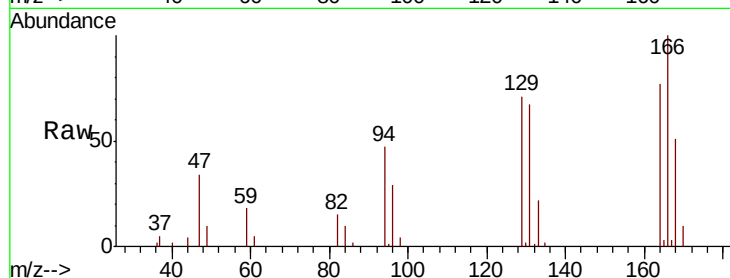
Ion Ratio Lower Upper

164 100

129 92.0 68.8 127.8

131 86.9 66.7 123.9

166 129.5 83.9 155.7

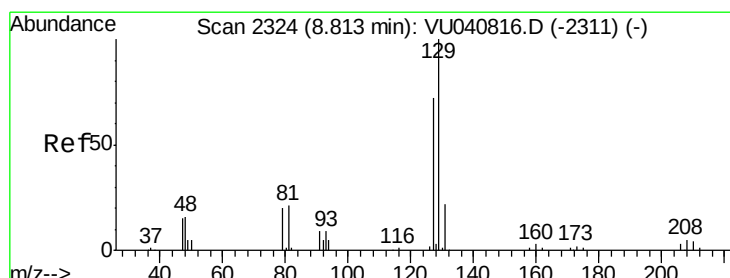
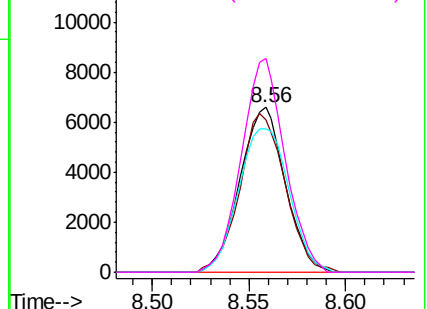
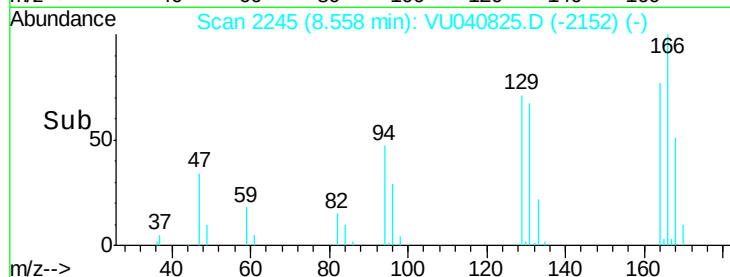


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.215 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040825.D

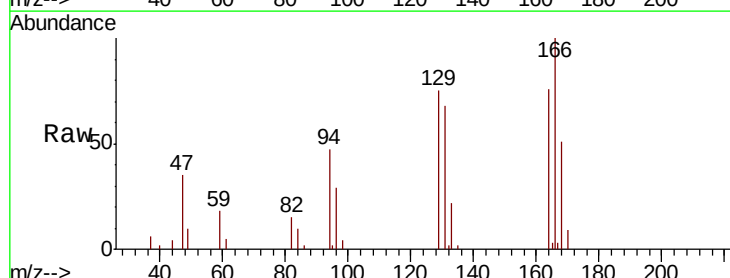
Acq: 19 Oct 2020 23:51

Tgt Ion:129 Resp: 10344

Ion Ratio Lower Upper

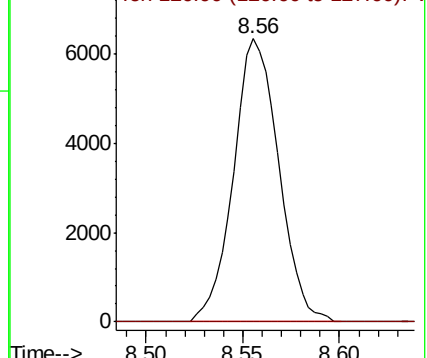
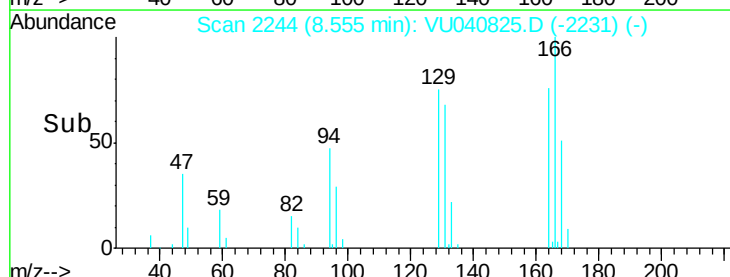
129 100

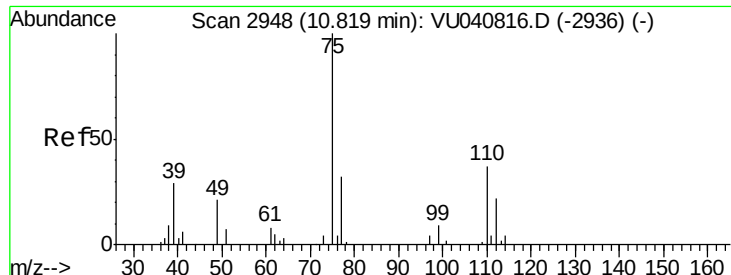
127 0.0 55.8 103.6#



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: 0.803 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU040825.D

Acq: 19 Oct 2020 23:51

Instrument :

MSVOA_U

ClientSampleId :

C0AK2

Tot Ion: 75 Resp: 5825

Ion Ratio Lower Upper

75 100

77 36.9 26.4 39.6

