

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040798.D
 Acq On : 19 Oct 2020 12:36
 Operator : SY/MD
 Sample : L4419-03DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COAHODL

Quant Time: Oct 20 01:37:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 01:28:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	120096	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	122688	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51217	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31645	3.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.60%
7) Chloroethane-d5	1.92	69	33704	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.58	63	54392	2.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.00%#
20) 2-Butanone-d5	4.66	46	177772	55.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.66%
24) Chloroform-d	5.08	84	84164	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.72	65	54188	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.74	84	147404	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.70	67	54491	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.91	98	111768	3.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.40%
43) trans-1,3-Dichloropropene-	8.19	79	20033	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	8.64	63	123126	51.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.68%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	51678	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	49162	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	1162	0.114 ug/L #	43
5) Vinyl chloride	1.61	62	729	0.068 ug/L #	1
8) Chloroethane	1.95	64	335	0.049 ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	450	0.045 ug/L #	20
12) 1,1-Dichloroethene	2.59	96	5820	0.679 ug/L #	1
16) Methylene chloride	3.06	84	2173	0.198 ug/L	83
22) cis-1,2-Dichloroethene	4.69	96	29971	3.098 ug/L	92
25) Chloroform	5.11	83	3491	0.184 ug/L	89
34) Trichloroethene	6.56	95	38925	3.810 ug/L	95
35) Methylcyclohexane	6.70	83	13376	0.923 ug/L #	14
37) 1,2-Dichloropropane	6.71	63	6583	0.599 ug/L #	87
39) cis-1,3-Dichloropropene	7.58	75	1352	0.090 ug/L #	65
44) trans-1,3-Dichloropropene	8.19	75	922	0.067 ug/L	98
47) Tetrachloroethene	8.56	164	10837	1.487 ug/L	93
48) 2-Hexanone	8.64	43	16182	2.482 ug/L #	74
49) Dibromochloromethane	8.56	129	10645	1.125 ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	7298	0.905 ug/L	95

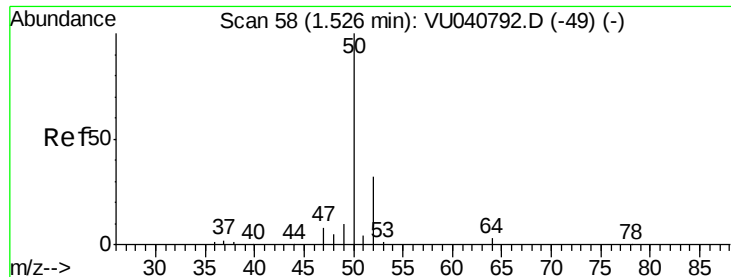
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101920\
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Response via : Initial Calibration

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



#3

Chloromethane

Concen: 0.114 ug/L

RT: 1.52 min Scan# 56

Delta R.T. -0.01 min

Lab File: VU040798.D

Acq: 19 Oct 2020 12:36

Instrument :

MSVOA_U

ClientSampleId :

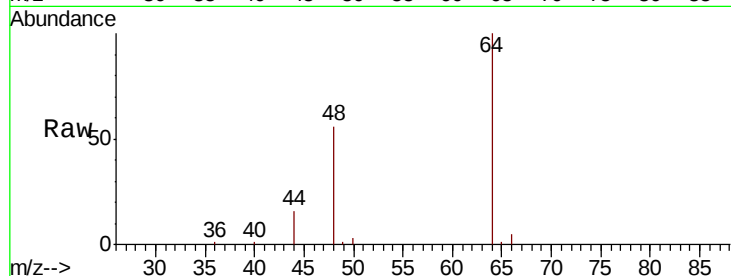
COAH0DL

Tot Ion: 50 Resp: 1162

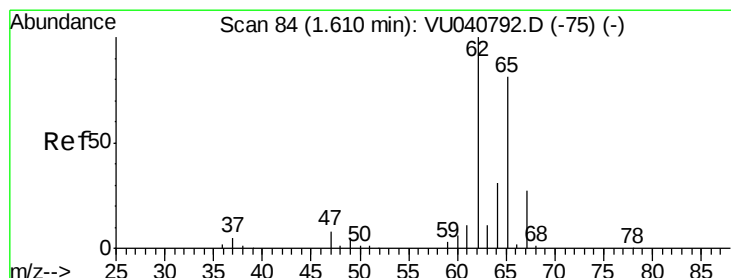
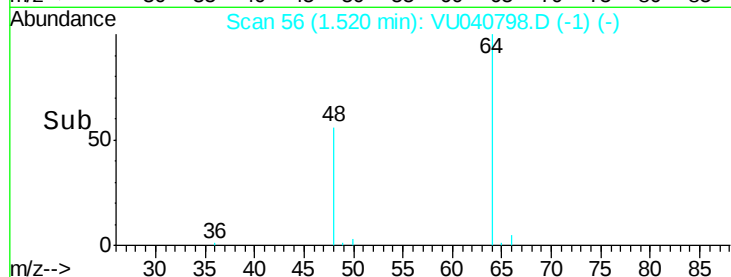
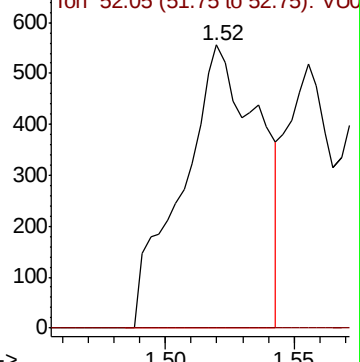
Ion Ratio Lower Upper

50 100

52 0.0 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0



#5

Vinyl chloride

Concen: 0.068 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040798.D

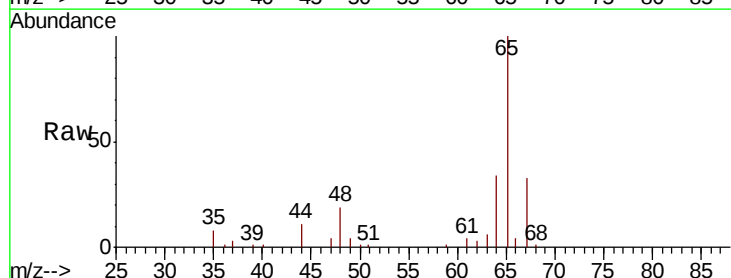
Acq: 19 Oct 2020 12:36

Tgt Ion: 62 Resp: 729

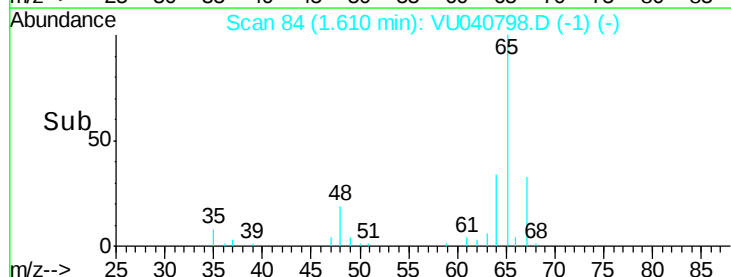
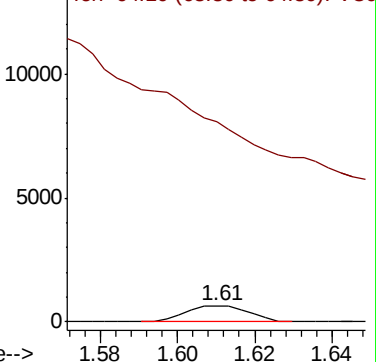
Ion Ratio Lower Upper

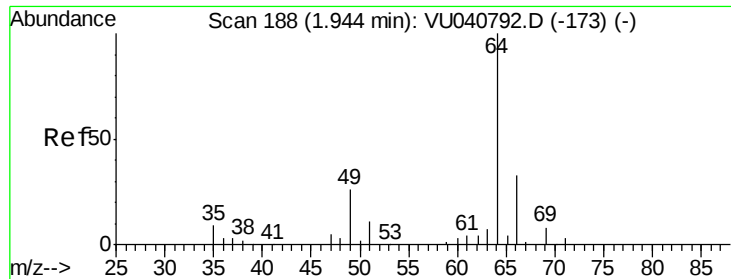
62 100

64 1231.0 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

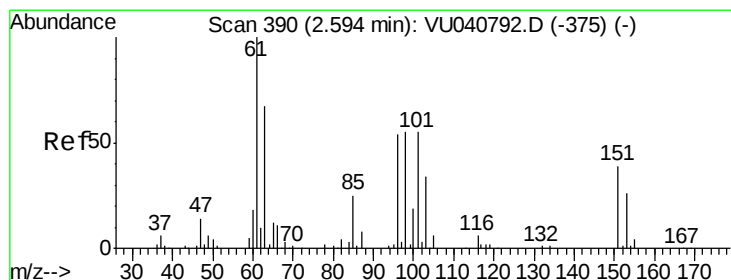
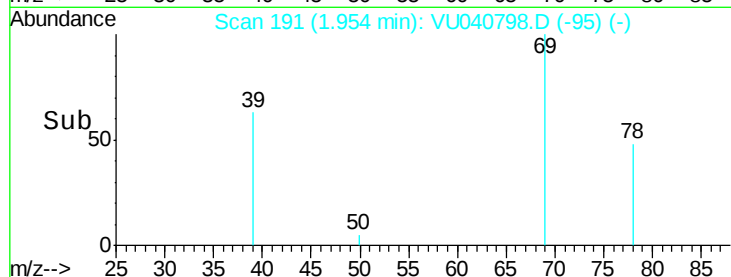
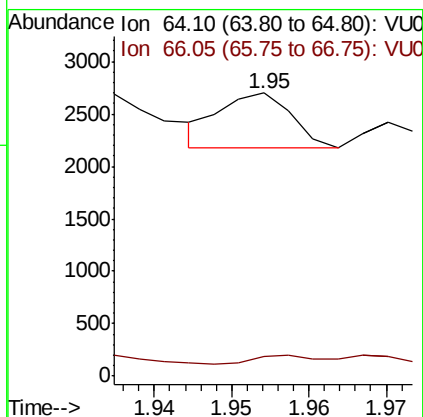
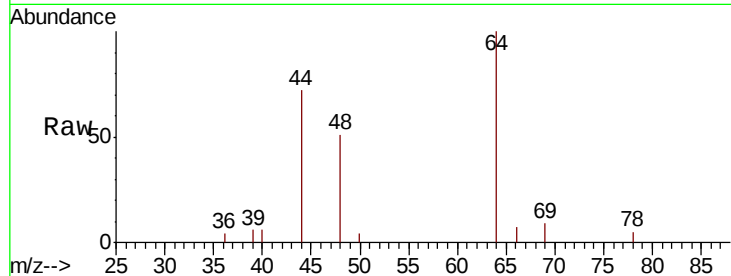




#8
Chloroethane
Concen: 0.049 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.01 min
Lab File: VU040798.D
Acq: 19 Oct 2020 12:36

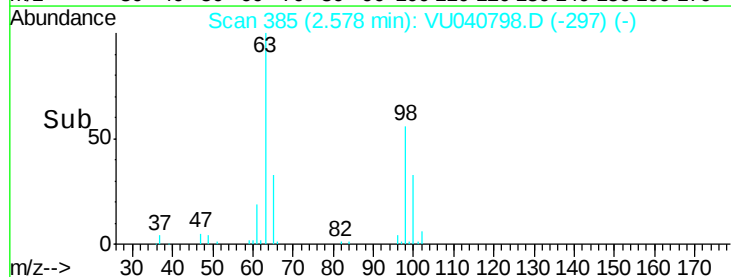
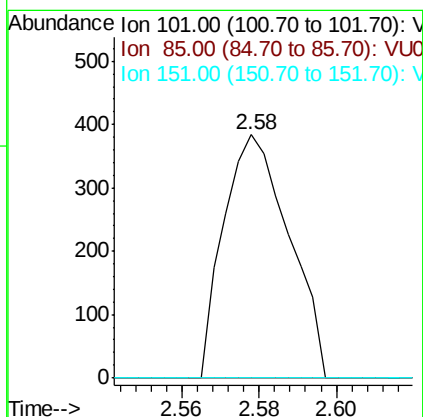
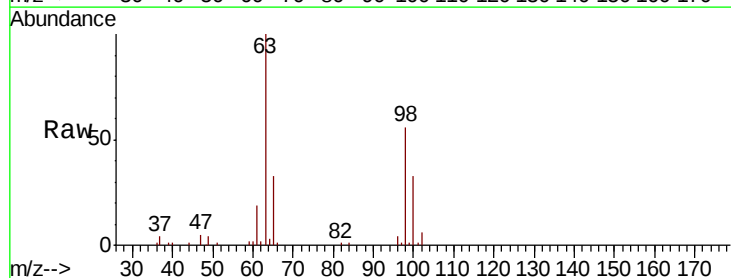
Instrument :
MSVOA_U
ClientSampleId :
COAH0DL

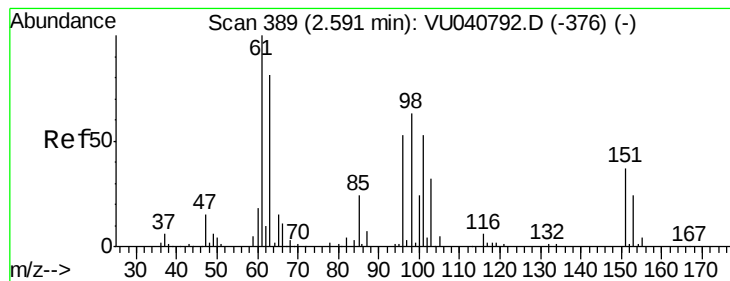
Tot Ion: 64 Resp: 335
Ion Ratio Lower Upper
64 100
66 6.8 23.3 43.3#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.045 ug/L
RT: 2.58 min Scan# 385
Delta R.T. -0.02 min
Lab File: VU040798.D
Acq: 19 Oct 2020 12:36

Tgt Ion: 101 Resp: 450
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: 0.679 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040798.D

Acq: 19 Oct 2020 12:36

Instrument :

MSVOA_U

ClientSampleId :

C0AH0DL

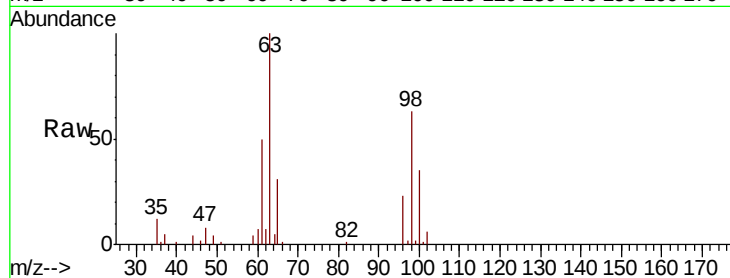
Tot Ion: 96 Resp: 5820

Ion Ratio Lower Upper

96 100

61 218.0 128.8 239.2

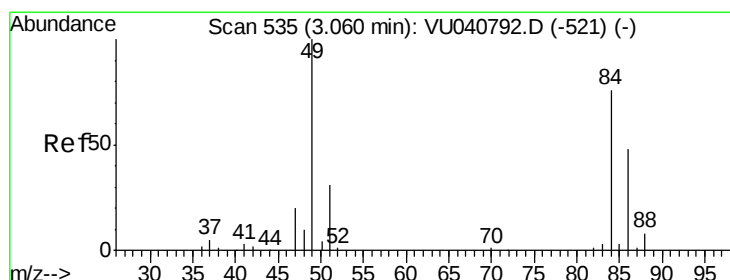
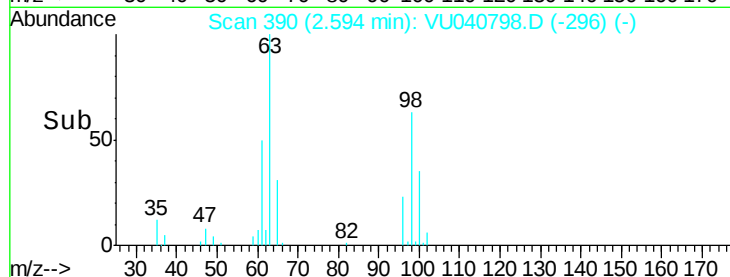
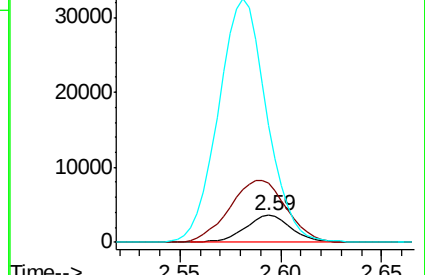
63 434.9 84.6 157.2#



Abundance Ion 96.00 (95.70 to 96.70): VU040798.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VU040798.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU040798.D (-296) (-)



#16

Methylene chloride

Concen: 0.198 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040798.D

Acq: 19 Oct 2020 12:36

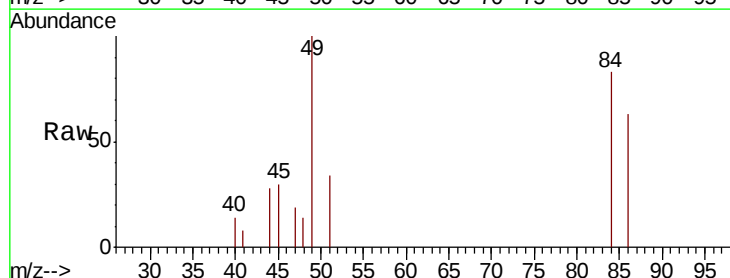
Tgt Ion: 84 Resp: 2173

Ion Ratio Lower Upper

84 100

86 76.4 45.4 84.4

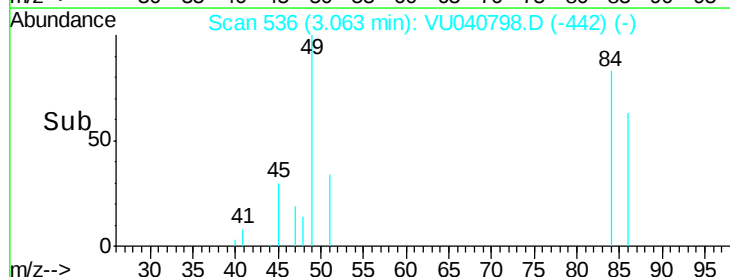
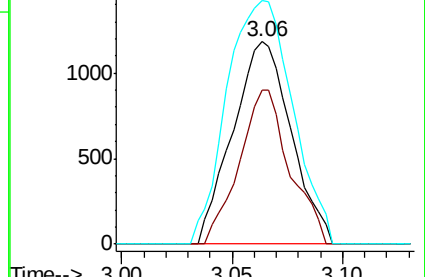
49 120.4 99.8 185.3

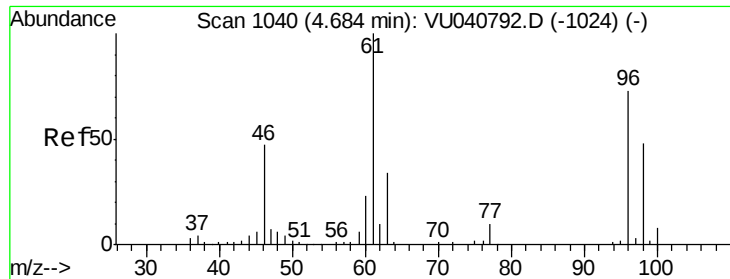


Abundance Ion 84.05 (83.75 to 84.75): VU040798.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU040798.D (-442) (-)

Ion 49.10 (48.80 to 49.80): VU040798.D (-442) (-)

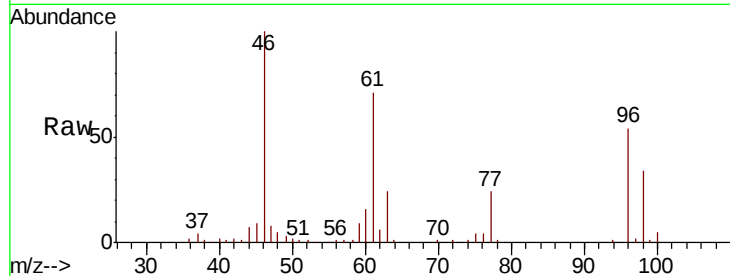




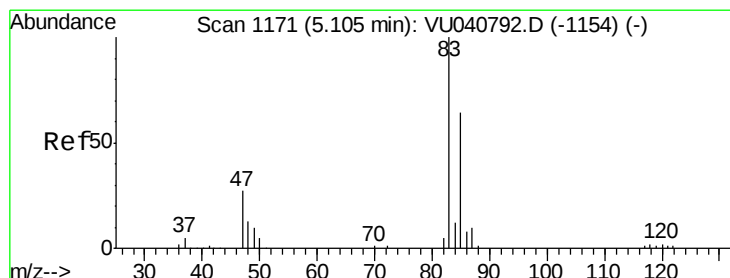
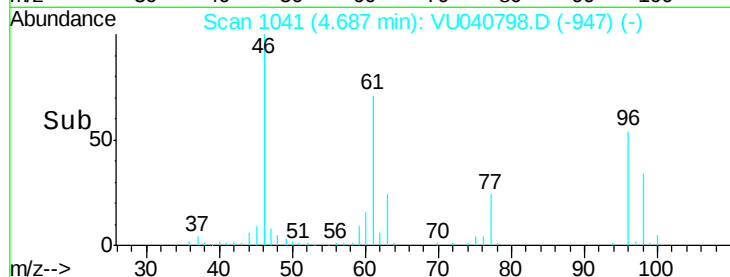
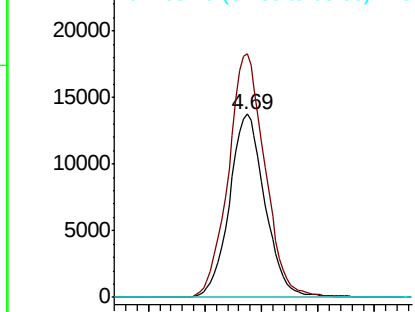
#22
 cis-1,2-Dichloroethene
 Concen: 3.098 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040798.D
 Acq: 19 Oct 2020 12:36

Instrument :
 MSVOA_U
 ClientSampleId :
 COAH0DL

Tot Ion: 96 Resp: 29971
 Ion Ratio Lower Upper
 96 100
 61 132.9 99.8 185.4
 68 0.0 0.0 0.0

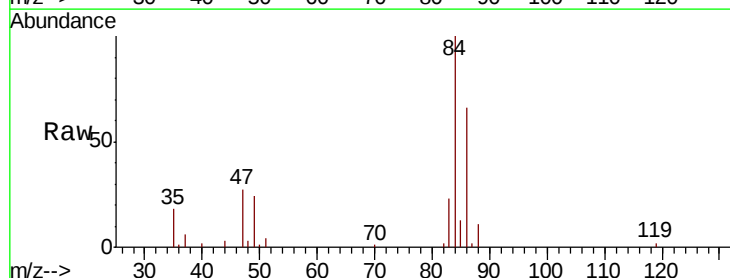


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

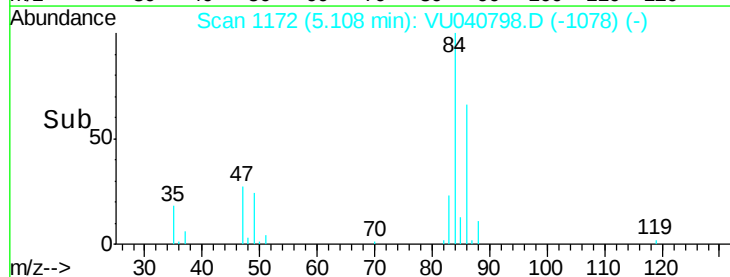
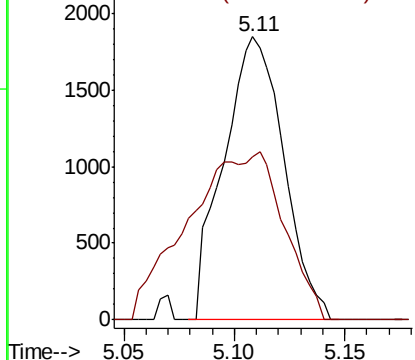


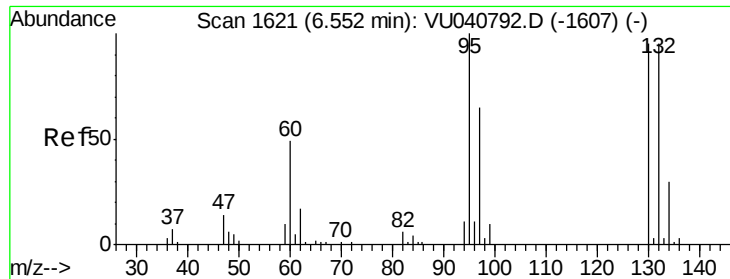
#25
 Chloroform
 Concen: 0.184 ug/L
 RT: 5.11 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU040798.D
 Acq: 19 Oct 2020 12:36

Tgt Ion: 83 Resp: 3491
 Ion Ratio Lower Upper
 83 100
 85 57.8 46.5 86.5



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

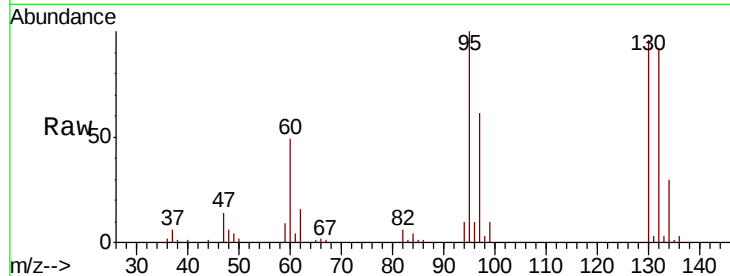




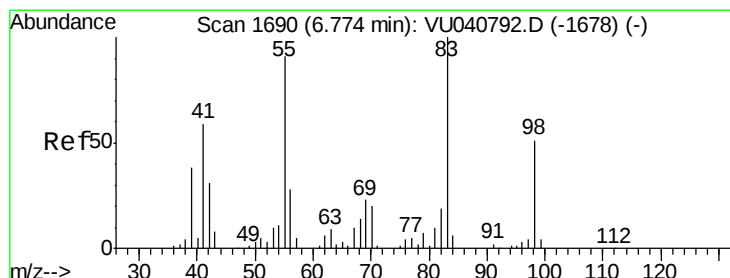
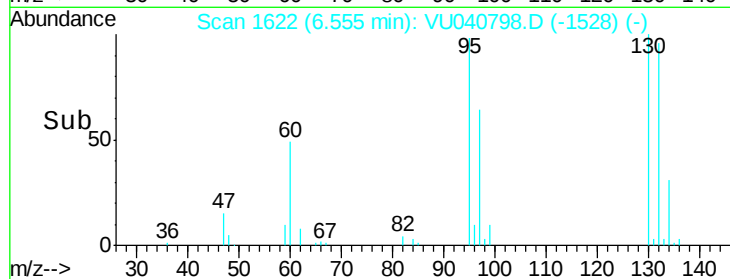
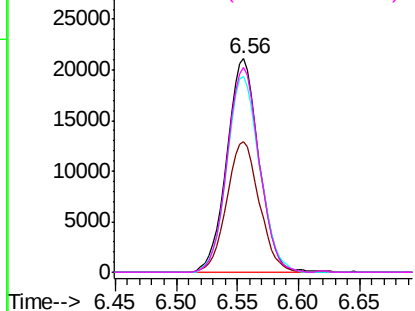
#34
 Trichloroethene
 Concen: 3.810 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040798.D
 Acq: 19 Oct 2020 12:36

Instrument :
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 COAH0DL

Tot Ion:	95	Resp:	38925
Ion	Ratio	Lower	Upper
95	100		
97	61.4	45.5	84.5
132	91.6	67.5	125.4
130	95.9	69.9	129.9

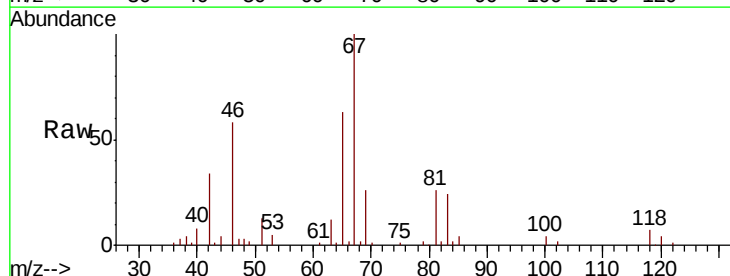


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

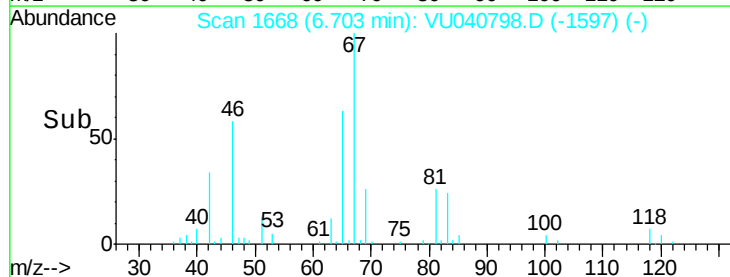
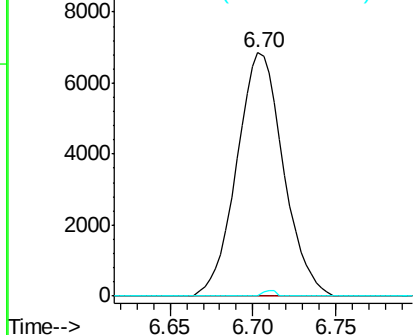


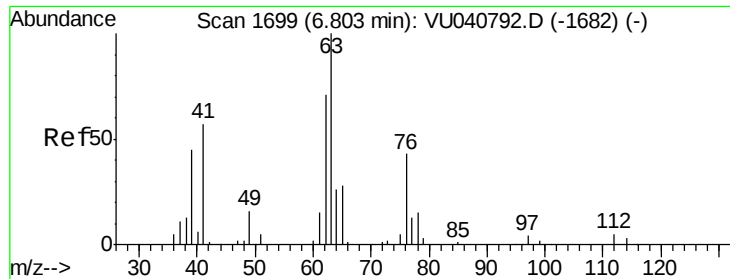
#35
 Methylcyclohexane
 Concen: 0.923 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040798.D
 Acq: 19 Oct 2020 12:36

Tgt Ion:	83	Resp:	13376
Ion	Ratio	Lower	Upper
83	100		
55	0.0	70.7	106.1#
98	0.6	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

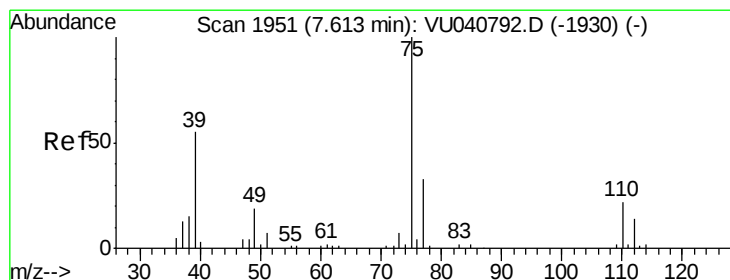
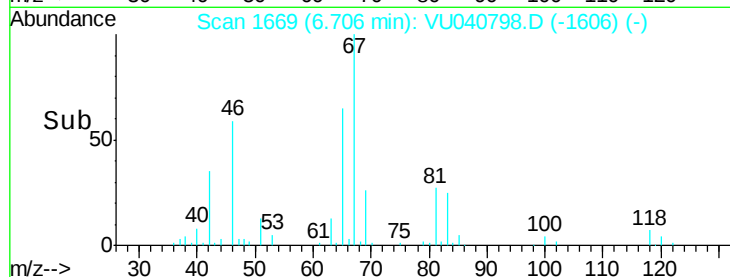
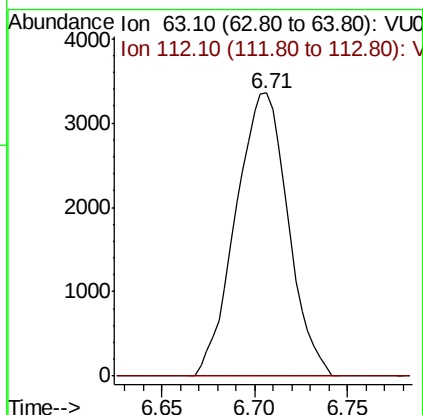
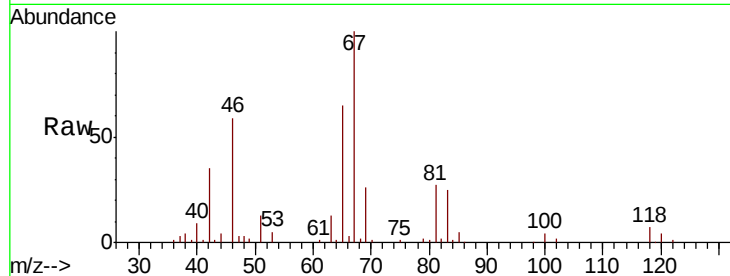




#37
 1,2-Dichloropropane
 Concen: 0.599 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU040798.D
 Acq: 19 Oct 2020 12:36

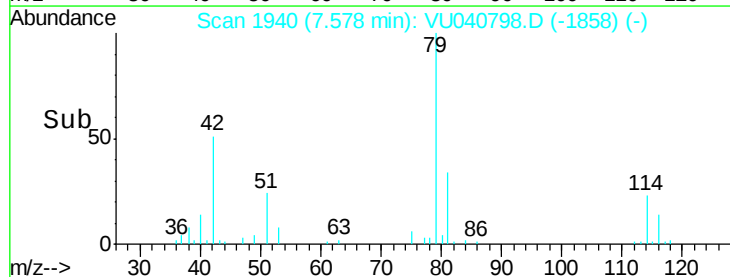
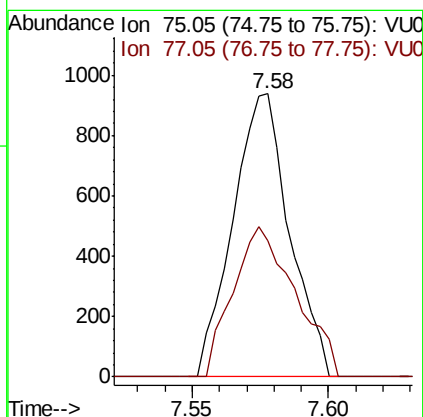
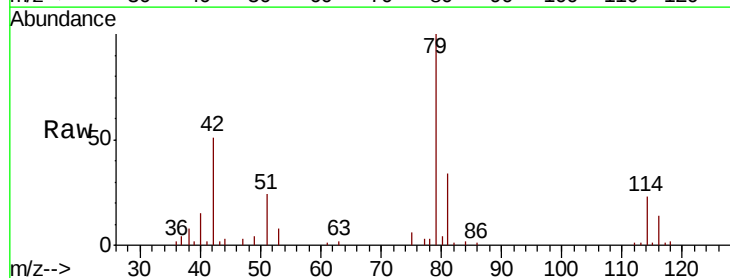
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 COAH0DL

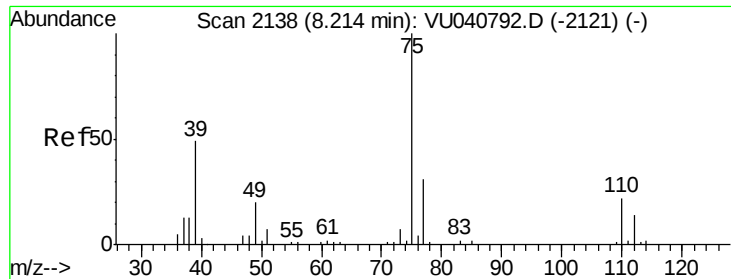
Tot Ion: 63 Resp: 6583
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.090 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040798.D
 Acq: 19 Oct 2020 12:36

Tgt Ion: 75 Resp: 1352
 Ion Ratio Lower Upper
 75 100
 77 48.1 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040798.D

Acq: 19 Oct 2020 12:36

Instrument :

MSVOA_U

ClientSampleId :

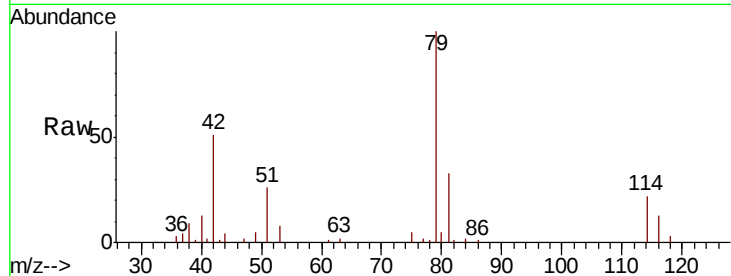
COAH0DL

Tot Ion: 75 Resp: 922

Ion Ratio Lower Upper

75 100

77 30.3 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040798.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU040798.D (-2121) (-)

8.19

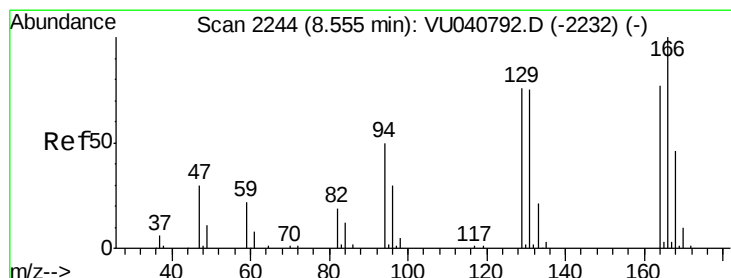
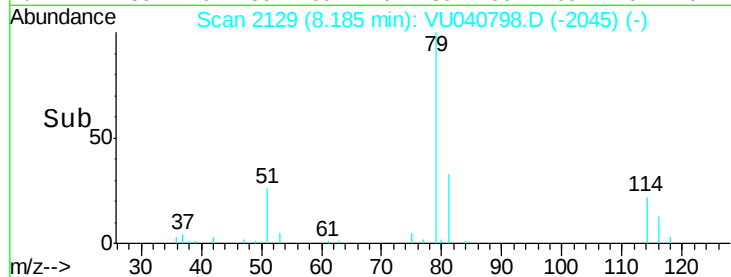
600

400

200

0

Time--> 8.14 8.16 8.18 8.20 8.22



#47

Tetrachloroethene

Concen: 1.487 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040798.D

Acq: 19 Oct 2020 12:36

Tgt Ion:164 Resp: 10837

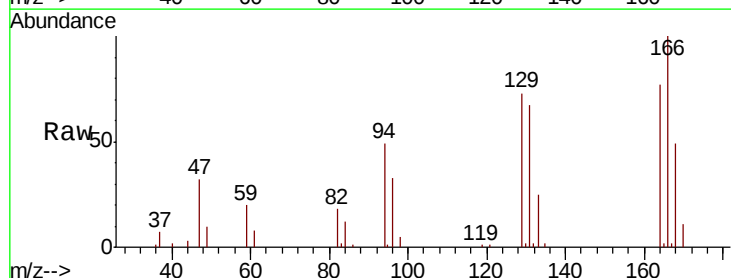
Ion Ratio Lower Upper

164 100

129 95.2 68.8 127.8

131 87.6 66.7 123.9

166 129.9 83.9 155.7



Abundance Ion 163.90 (163.60 to 164.60): VU040798.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU040798.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU040798.D (-2151) (-)

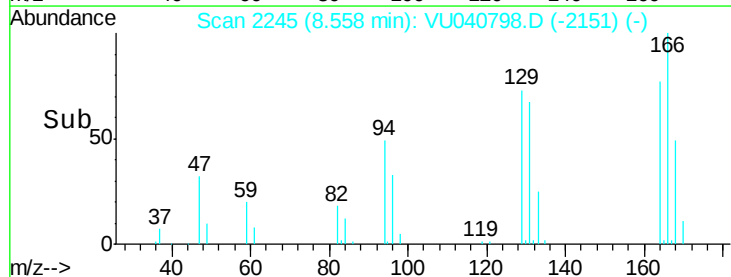
Ion 165.90 (165.60 to 166.60): VU040798.D (-2151) (-)

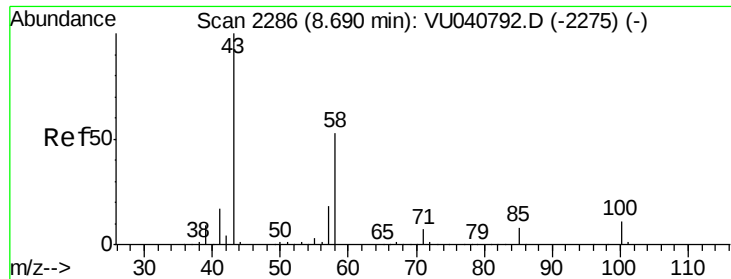
10000

5000

0

Time--> 8.50 8.55 8.60

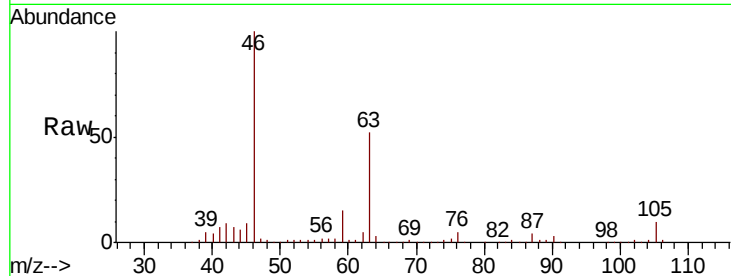




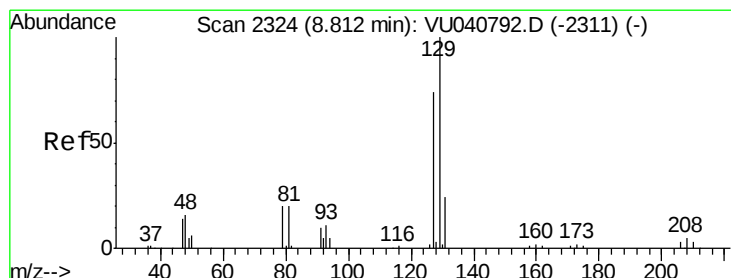
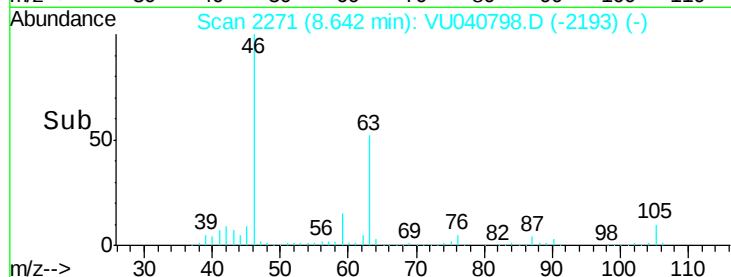
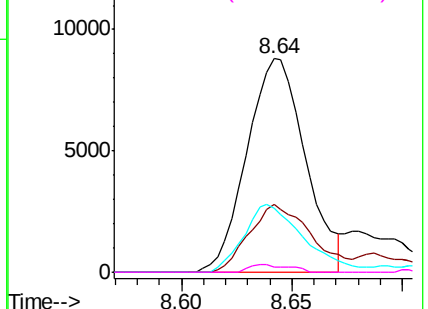
#48
2-Hexanone
Concen: 2.482 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040798.D
Acq: 19 Oct 2020 12:36

Instrument :
MSVOA_U
ClientSampleId :
COAH0DL

Tot Ion:	43	Resp:	16182
Ion	Ratio	Lower	Upper
43	100		
58	33.9	41.0	61.6#
57	32.5	14.4	21.6#
100	2.4	8.6	13.0#

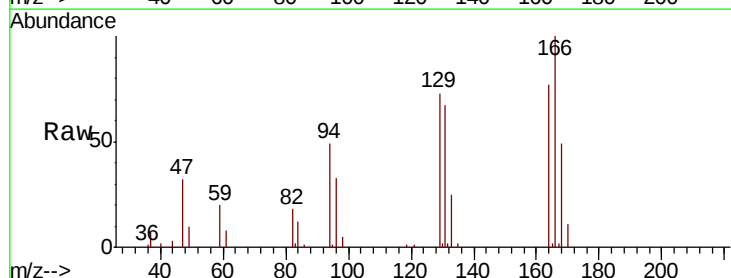


Abundance Ion 43.05 (42.75 to 43.75): VU040798.D (-2275) (-)

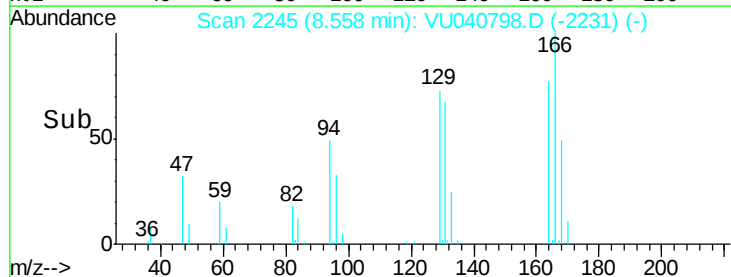
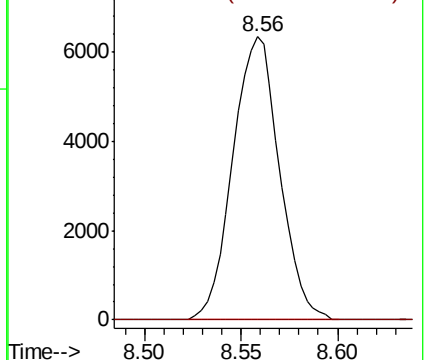


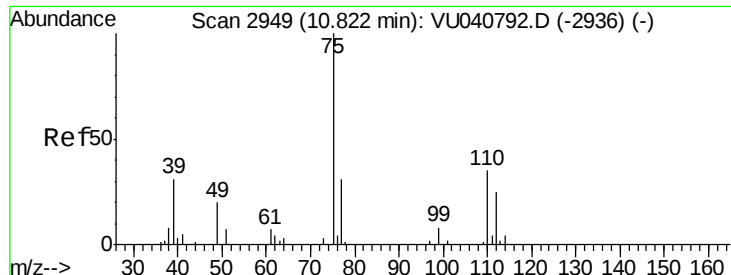
#49
Dibromochloromethane
Concen: 1.125 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU040798.D
Acq: 19 Oct 2020 12:36

Tgt Ion:	129	Resp:	10645
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.8	103.6#



Abundance Ion 128.95 (128.65 to 129.65): VU040798.D (-2231) (-)





#59

1,2,3-Trichloropropane

Concen: 0.905 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040798.D

Acq: 19 Oct 2020 12:36

Instrument :

MSVOA_U

ClientSampleId :

C0AH0DL

Tot Ion: 75 Resp: 7298

Ion Ratio Lower Upper

75 100

77 36.1 26.4 39.6

