

Data File : VU036236.D
Acq On : 16 Dec 2019 16:06
Operator : JC/MD
Sample : K6234-13DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFE64DL

Quant Time: Dec 17 01:24:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 17 01:19:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	232368	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	263986	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	84049	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	84890	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.93	69	83692	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.59	63	93856	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.68	46	212180	55.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.70%
24) Chloroform-d	5.11	84	153504	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.75	65	88885	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.77	84	277240	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
36) 1,2-Dichloropropane-d6	6.73	67	95219	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.93	98	229814	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.60%
43) trans-1,3-Dichloropropene-	8.21	79	36354	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.68	63	161995	49.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.50%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	90919	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	78046	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

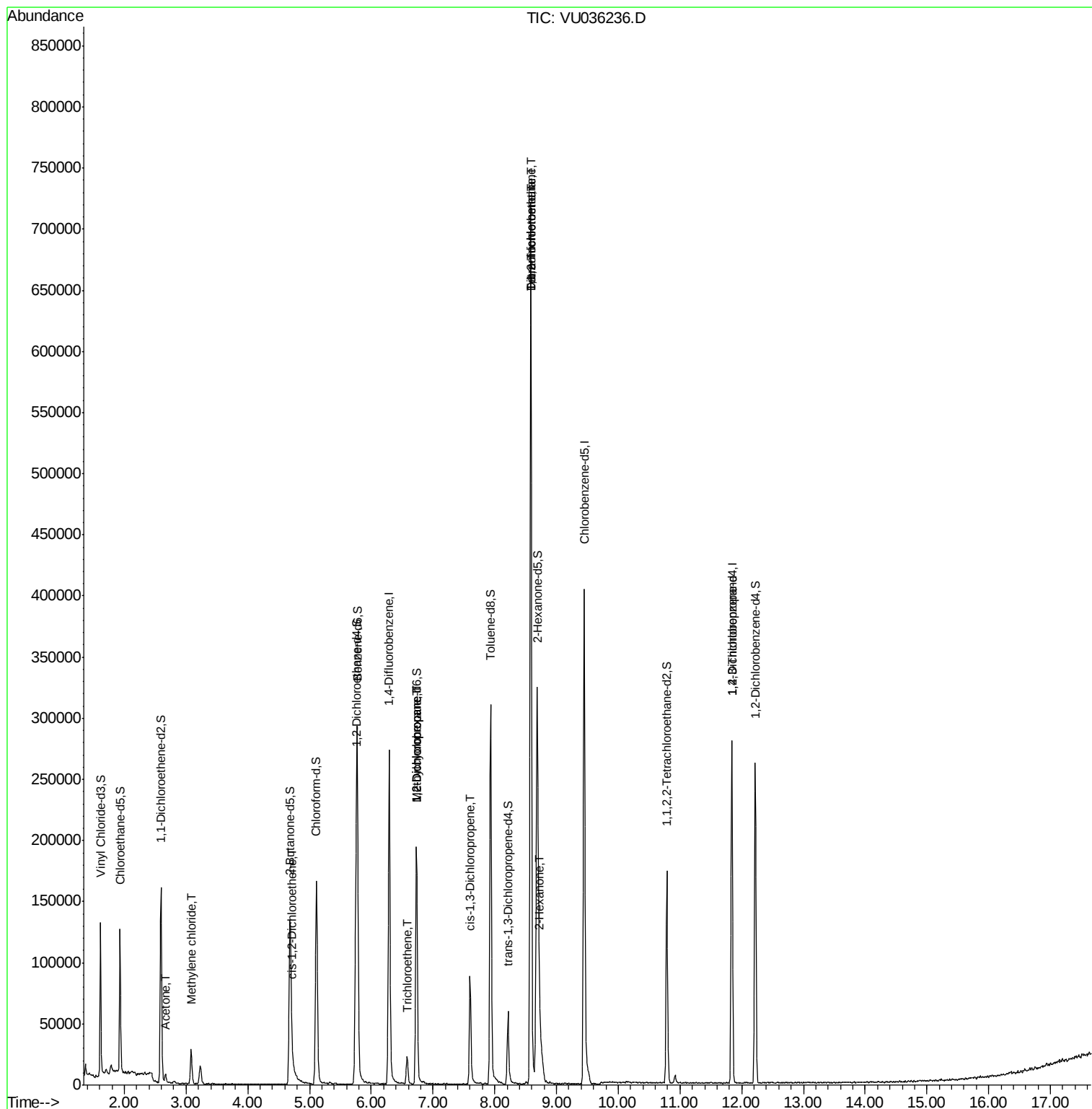
					Qvalue
13) Acetone	2.66	43	7540	2.257 ug/L	95
16) Methylene chloride	3.08	84	13338	0.526 ug/L	85
22) cis-1,2-Dichloroethene	4.72	96	3394	0.175 ug/L	97
34) Trichloroethene	6.58	95	7734	0.370 ug/L	93
35) Methylcyclohexane	6.73	83	22818	0.767 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	10171	0.491 ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2353	0.083 ug/L #	44
45) 1,1,2-Trichloroethane	8.58	97	1678	0.108 ug/L #	17
47) Tetrachloroethene	8.58	164	178487	9.449 ug/L	95
48) 2-Hexanone	8.73	43	8584	1.062 ug/L #	41
49) Dibromochloromethane	8.58	129	154580	8.064 ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	8279	0.602 ug/L #	72

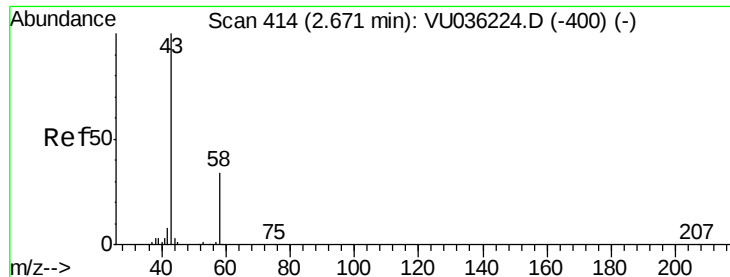
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.257 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU036236.D

Acq: 16 Dec 2019 16:06

Instrument :

MSVOA_U

ClientSampleId :

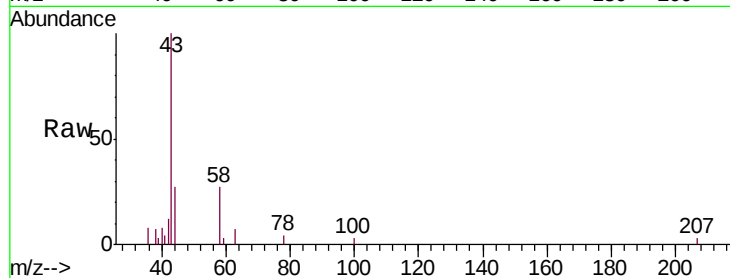
BF64DL

Tgt Ion: 43 Resp: 7540

Ion Ratio Lower Upper

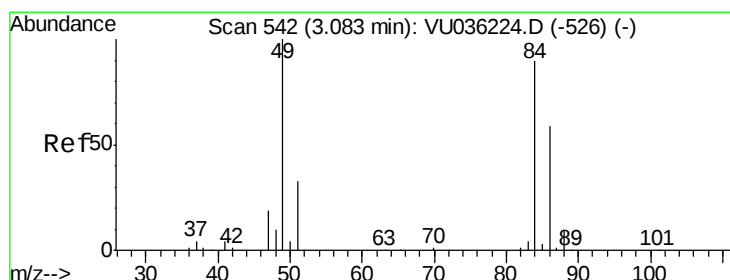
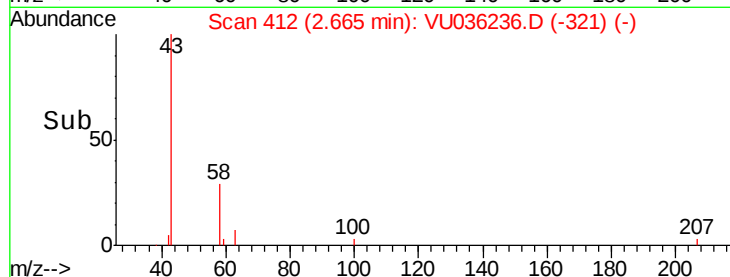
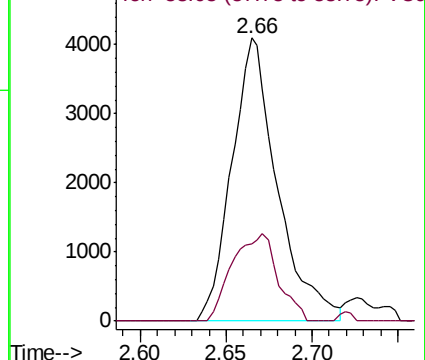
43 100

58 30.9 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036224.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU036224.D (-400) (-)



#16

Methylene chloride

Concen: 0.526 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036236.D

Acq: 16 Dec 2019 16:06

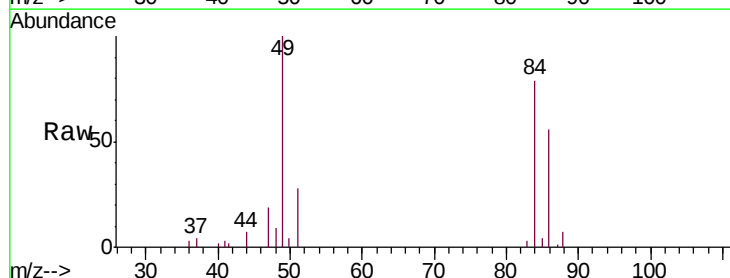
Tgt Ion: 84 Resp: 13338

Ion Ratio Lower Upper

84 100

86 71.6 43.0 79.8

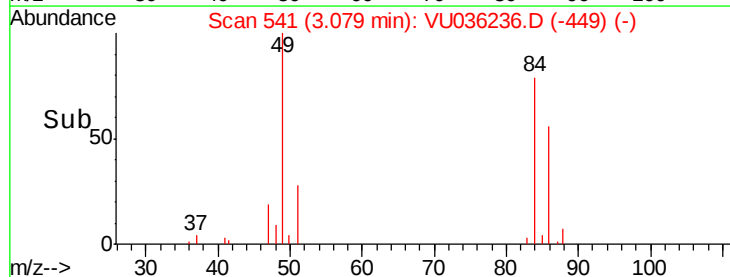
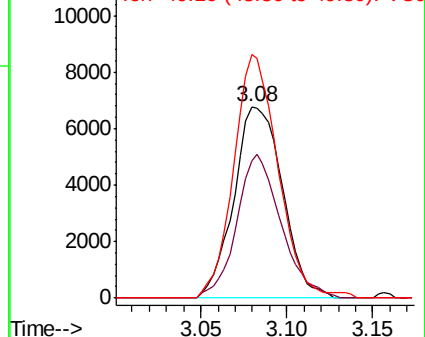
49 127.3 77.3 143.5

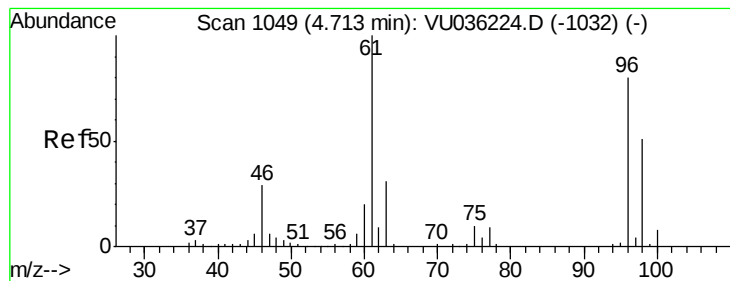


Abundance Ion 84.05 (83.75 to 84.75): VU036224.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU036224.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU036224.D (-526) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.175 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU036236.D

Acq: 16 Dec 2019 16:06

Instrument :

MSVOA_U

ClientSampleId :

BFE64DL

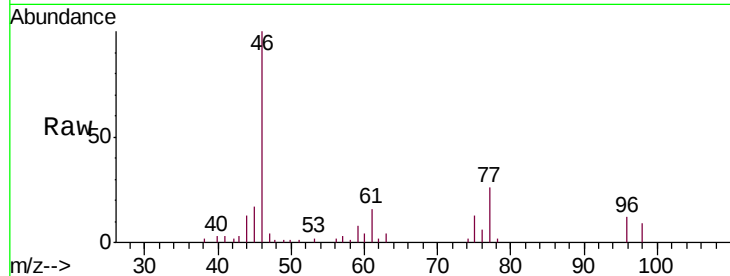
Tgt Ion: 96 Resp: 3394

Ion Ratio Lower Upper

96 100

61 127.7 86.7 161.1

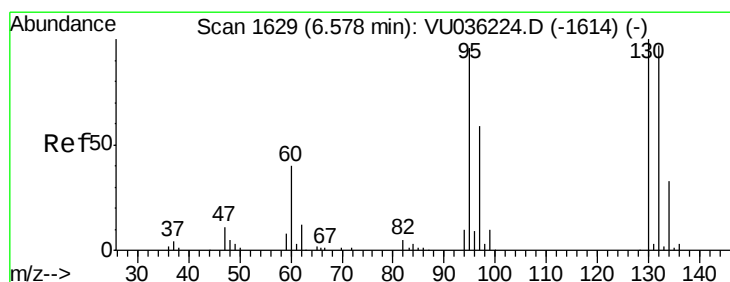
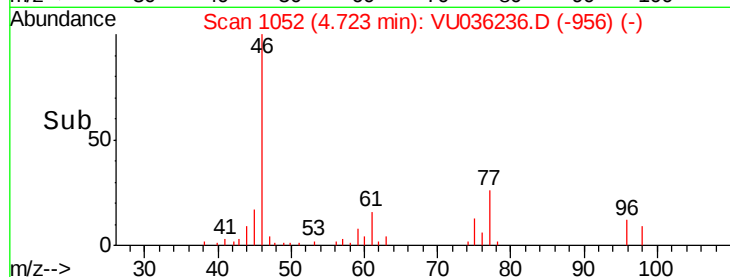
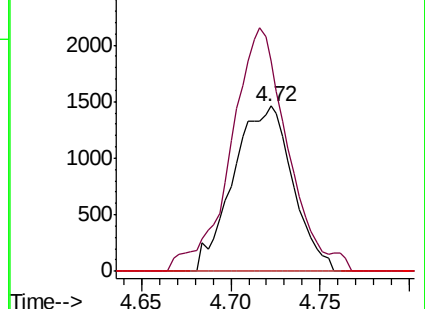
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036224.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU036224.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU036224.D (-1032) (-)



#34

Trichloroethene

Concen: 0.370 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036236.D

Acq: 16 Dec 2019 16:06

Tgt Ion: 95 Resp: 7734

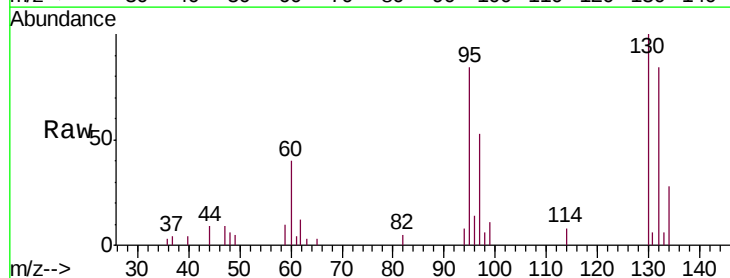
Ion Ratio Lower Upper

95 100

97 62.6 43.6 81.0

132 100.2 69.6 129.2

130 118.9 70.3 130.7

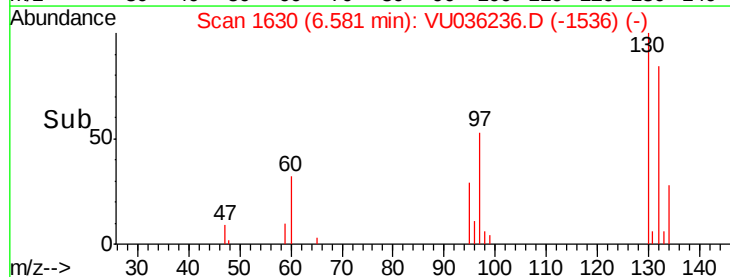
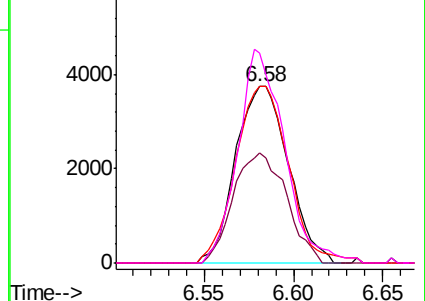


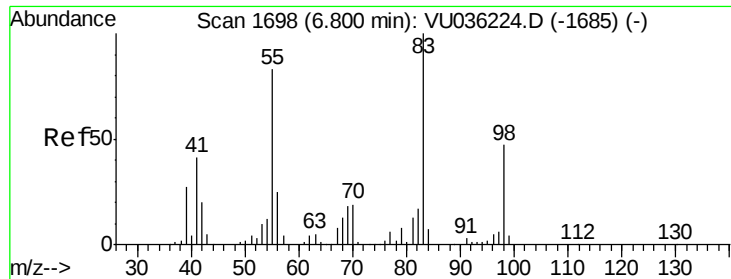
Abundance Ion 95.00 (94.70 to 95.70): VU036224.D (-1614) (-)

Ion 96.95 (96.65 to 97.65): VU036224.D (-1614) (-)

Ion 131.95 (131.65 to 132.65): VU036224.D (-1614) (-)

Ion 129.95 (129.65 to 130.65): VU036224.D (-1614) (-)

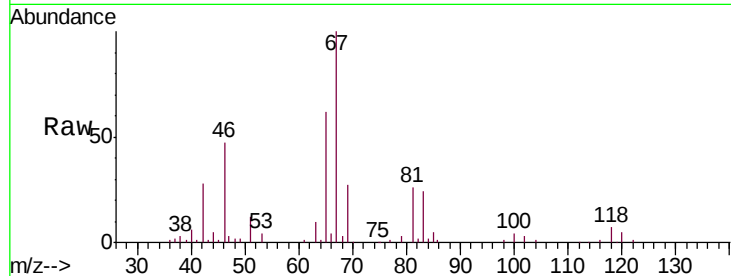




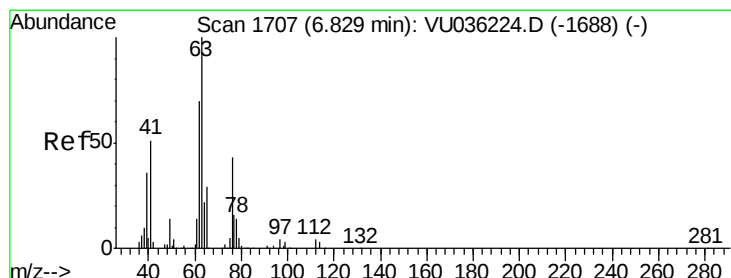
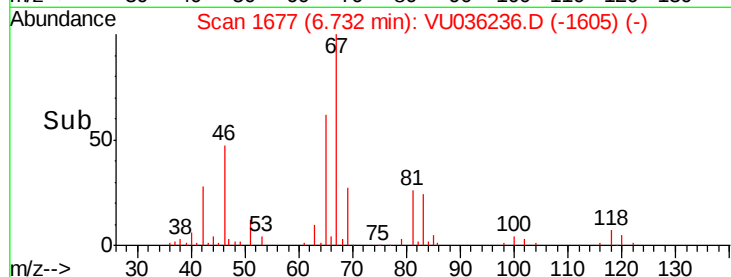
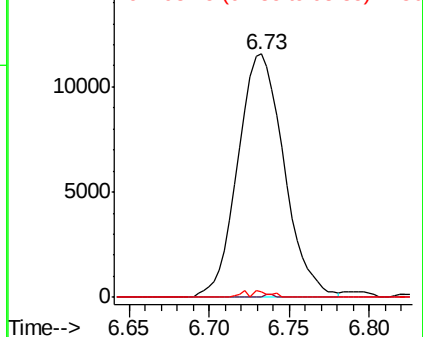
#35
Methylcyclohexane
Concen: 0.767 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU036236.D
Acq: 16 Dec 2019 16:06

Instrument :
MSVOA_U
ClientSampleId :
BFE64DL

Tgt Ion: 83 Resp: 22818
Ion Ratio Lower Upper
83 100
55 0.2 62.6 94.0#
98 1.0 36.2 54.2#

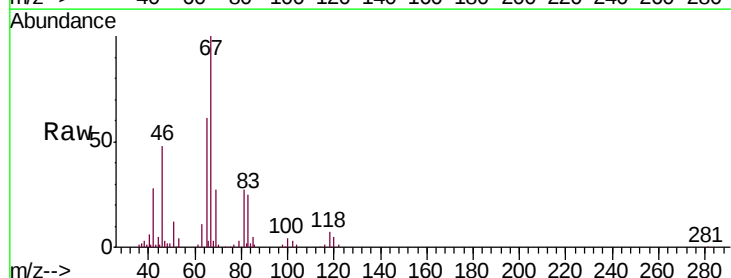


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

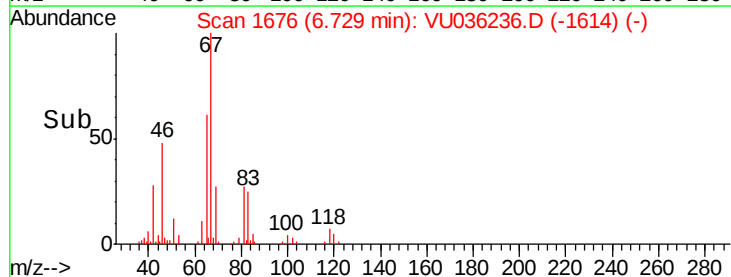
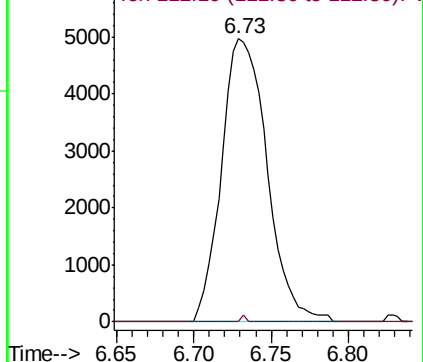


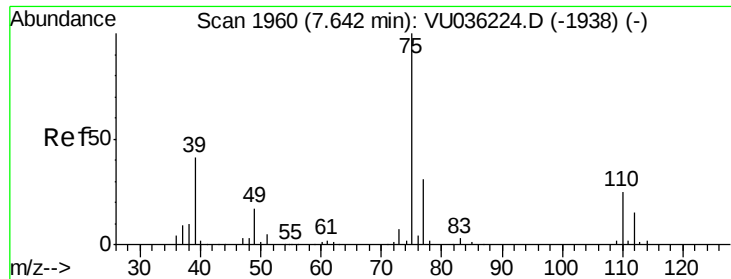
#37
1,2-Dichloropropane
Concen: 0.491 ug/L
RT: 6.73 min Scan# 1676
Delta R.T. -0.10 min
Lab File: VU036236.D
Acq: 16 Dec 2019 16:06

Tgt Ion: 63 Resp: 10171
Ion Ratio Lower Upper
63 100
112 0.2 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

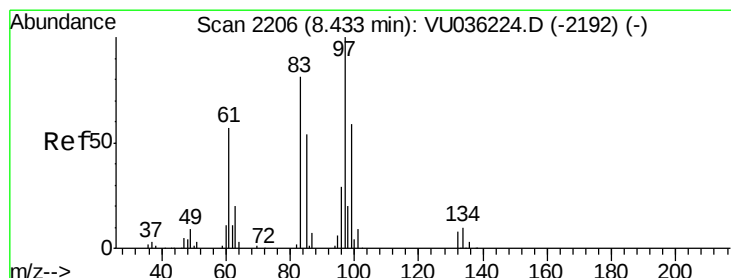
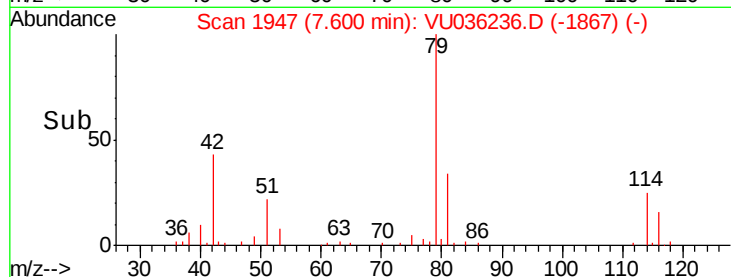
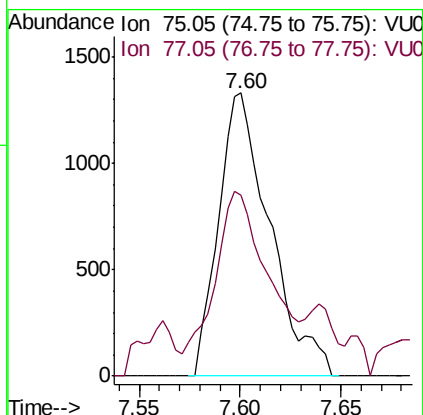
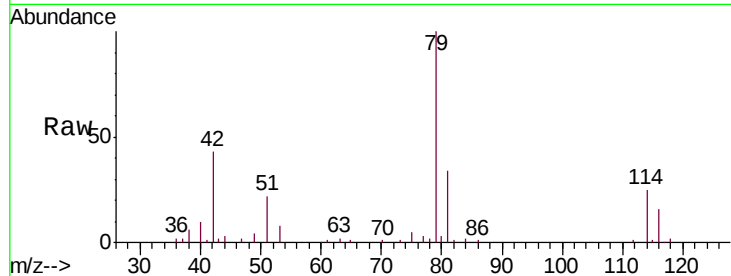




#39
 cis-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.04 min
 Lab File: VU036236.D
 Acq: 16 Dec 2019 16:06

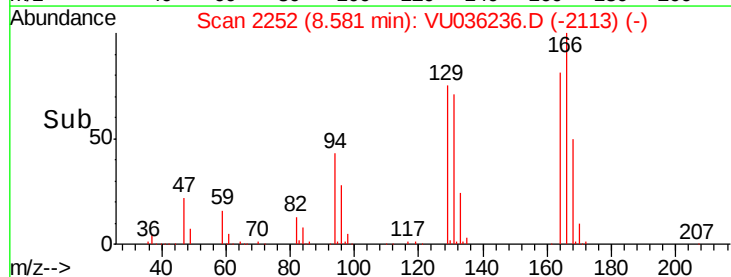
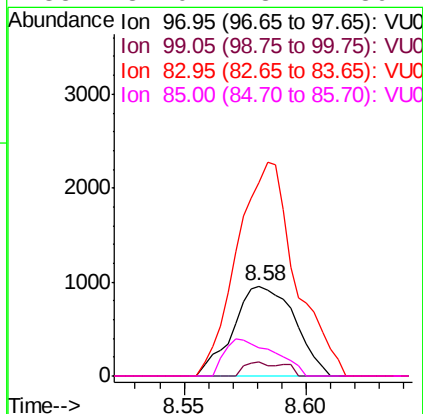
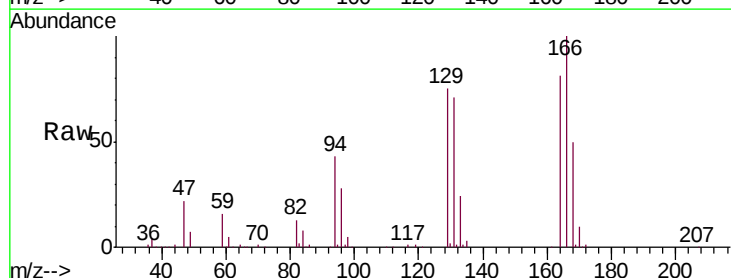
Instrument :
 MSVOA_U
 ClientSampled :
 BFE64DL

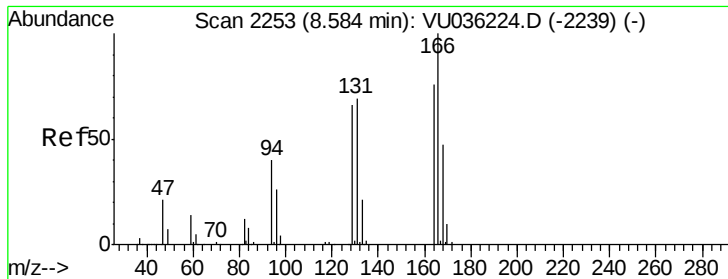
Tgt Ion: 75 Resp: 2353
 Ion Ratio Lower Upper
 75 100
 77 63.7 22.7 42.1#



#45
 1,1,2-Trichloroethane
 Concen: 0.108 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.15 min
 Lab File: VU036236.D
 Acq: 16 Dec 2019 16:06

Tgt Ion: 97 Resp: 1678
 Ion Ratio Lower Upper
 97 100
 99 15.2 46.1 85.5#
 83 215.7 65.9 122.3#
 85 32.0 43.1 80.1#

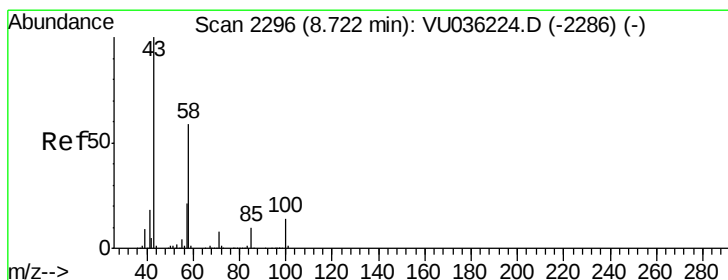
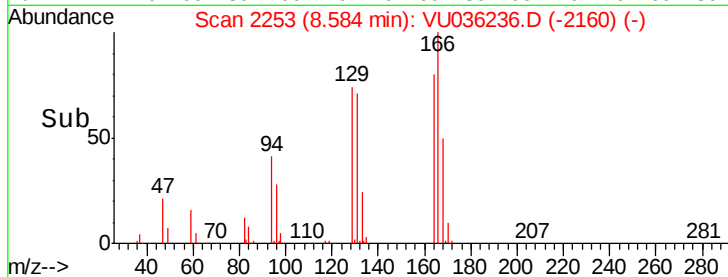
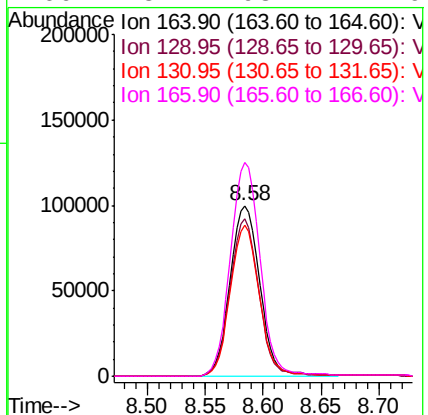
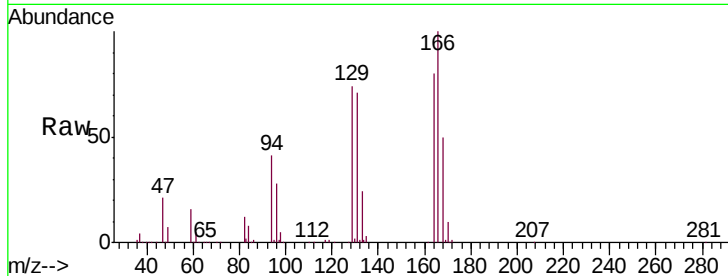




#47
Tetrachloroethene
Concen: 9.449 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU036236.D
Acq: 16 Dec 2019 16:06

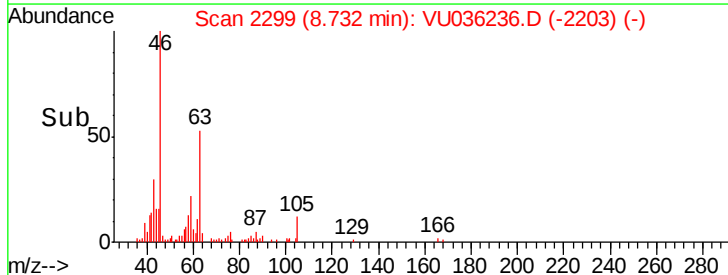
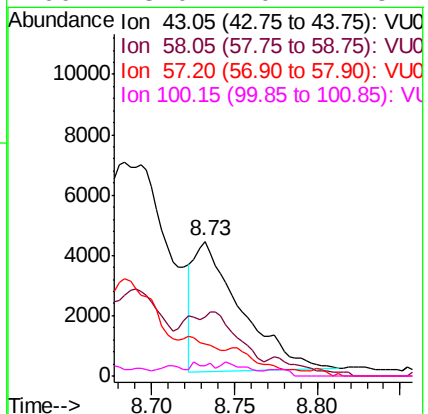
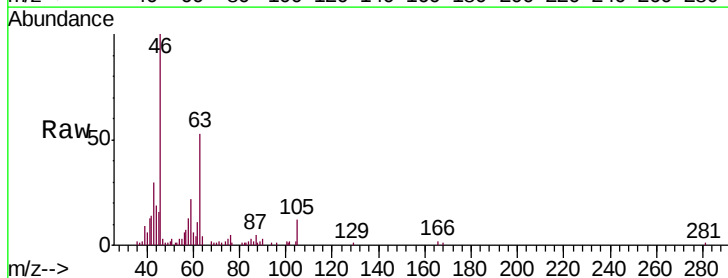
Instrument :
MSVOA_U
ClientSampleId :
BFE64DL

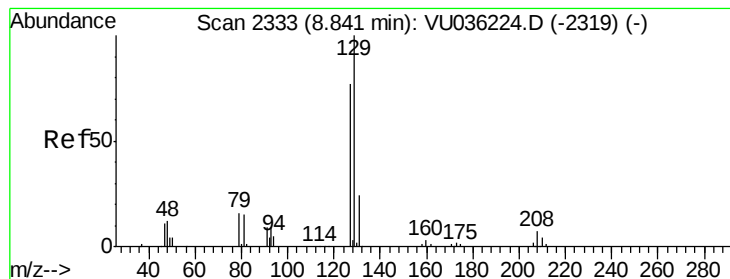
Tgt Ion:164 Resp: 178487
Ion Ratio Lower Upper
164 100
129 92.4 64.2 119.2
131 88.5 66.6 123.8
166 125.2 93.1 172.9



#48
2-Hexanone
Concen: 1.062 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. 0.01 min
Lab File: VU036236.D
Acq: 16 Dec 2019 16:06

Tgt Ion: 43 Resp: 8584
Ion Ratio Lower Upper
43 100
58 4.0 46.2 69.2#
57 0.0 16.2 24.4#
100 3.0 10.2 15.4#





#49

Dibromochloromethane

Concen: 8.064 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU036236.D

Acq: 16 Dec 2019 16:06

Instrument :

MSVOA_U

ClientSampleId :

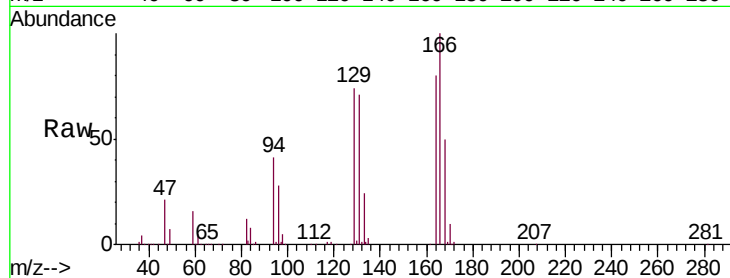
BFE64DL

Tgt Ion:129 Resp: 154580

Ion Ratio Lower Upper

129 100

127 0.1 52.6 97.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.58

100000

80000

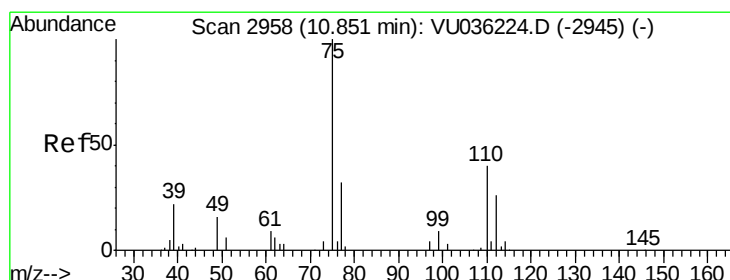
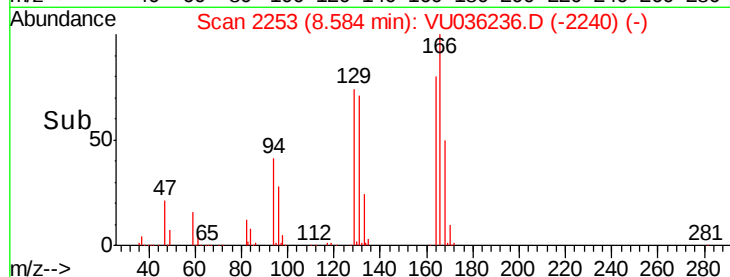
60000

40000

20000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.602 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU036236.D

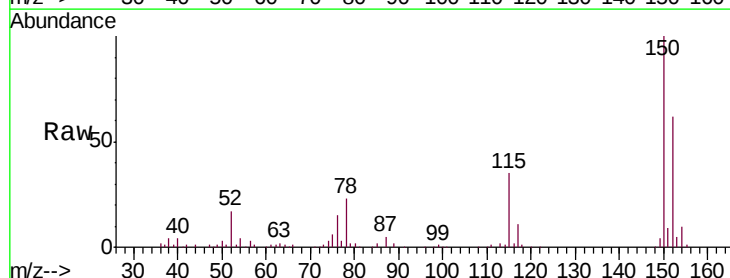
Acq: 16 Dec 2019 16:06

Tgt Ion: 75 Resp: 8279

Ion Ratio Lower Upper

75 100

77 49.8 27.2 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.84

5000

4000

3000

2000

1000

0

Time-->

