

Data File : VU035833.D
Acq On : 25 Nov 2019 18:55
Operator : JC/SP
Sample : K5992-04MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GARE5MSD

Quant Time: Nov 26 01:07:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 01:03:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	253487	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	278264	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	118679	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	134094	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.93	69	128720	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.60	63	303523	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.60%
20) 2-Butanone-d5	4.69	46	430805	56.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.44%
24) Chloroform-d	5.11	84	264482	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.75	65	155404	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.77	84	499554	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.74	67	183819	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.93	98	417640	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	8.21	79	65434	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.67	63	347025	62.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.06%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	149335	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	132376	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Qvalue
3) Chloromethane	1.54	50	11683	0.276 ug/L	100
12) 1,1-Dichloroethene	2.61	96	217480	8.246 ug/L #	79
13) Acetone	2.67	43	10443	1.552 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	92205	3.550 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	722773	24.974 ug/L	98
25) Chloroform	5.14	83	18632	0.328 ug/L	93
27) 1,2-Dichloroethane	5.82	62	8265	0.221 ug/L #	78
33) Benzene	5.82	78	619738	5.335 ug/L	100
35) Methylcyclohexane	6.74	83	40910	0.979 ug/L #	13
37) 1,2-Dichloropropane	6.74	63	19363	0.588 ug/L #	90
42) Toluene	8.00	91	607953	5.031 ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	13906	0.648 ug/L	96
47) Tetrachloroethene	8.58	164	28208	1.302 ug/L	97
49) Dibromochloromethane	8.58	129	26136	1.032 ug/L #	12
51) Chlorobenzene	9.48	112	379843	5.075 ug/L	99
59) 1,2,3-Trichloropropane	11.83	75	15946	0.745 ug/L #	43

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112519\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

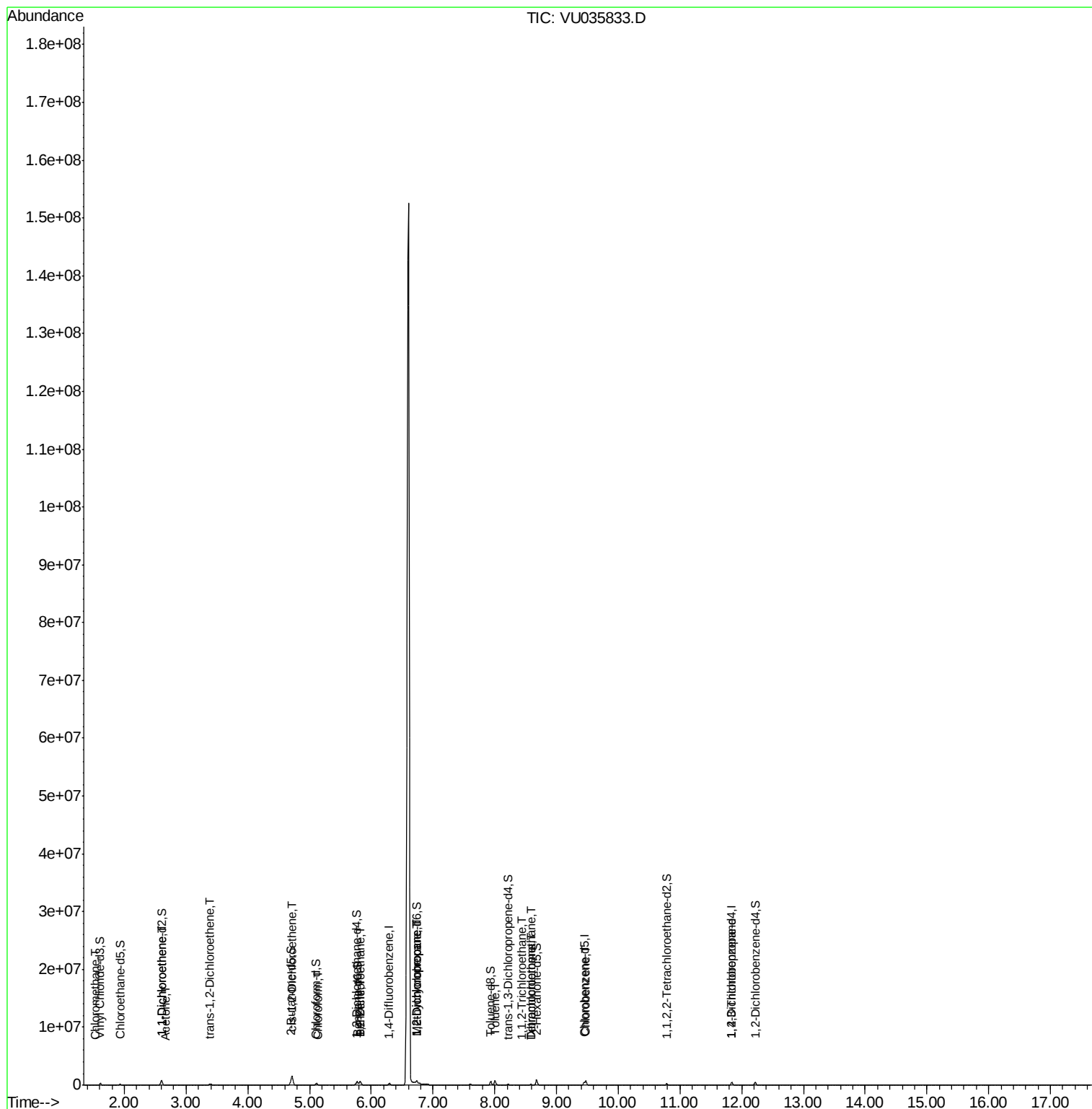
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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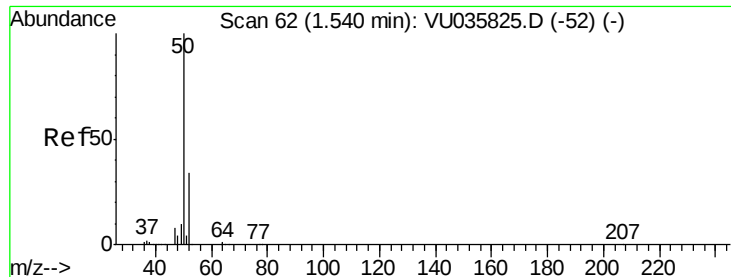
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.276 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035833.D

Acq: 25 Nov 2019 18:55

Instrument :

MSVOA_U

ClientSampleId :

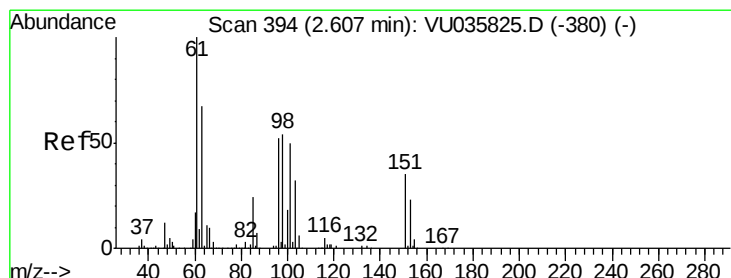
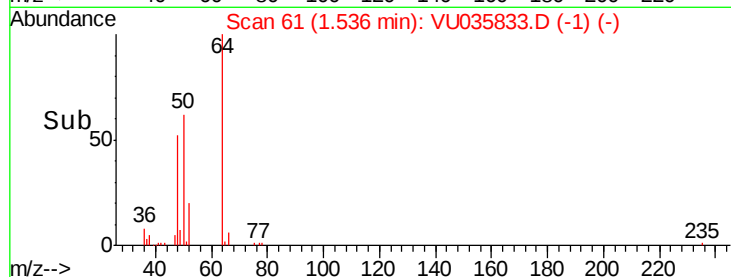
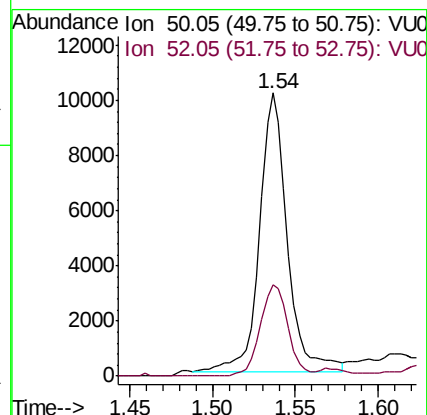
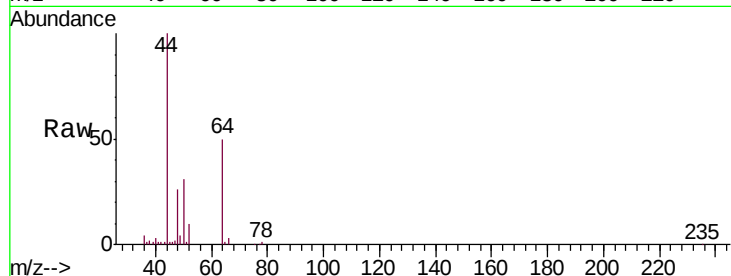
GARE5MSD

Tgt Ion: 50 Resp: 11683

Ion Ratio Lower Upper

50 100

52 32.3 22.7 42.3



#12

1,1-Dichloroethene

Concen: 8.246 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035833.D

Acq: 25 Nov 2019 18:55

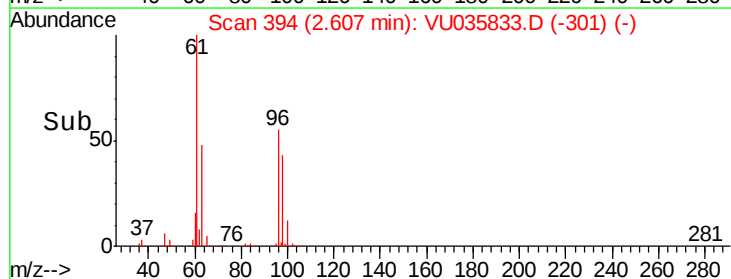
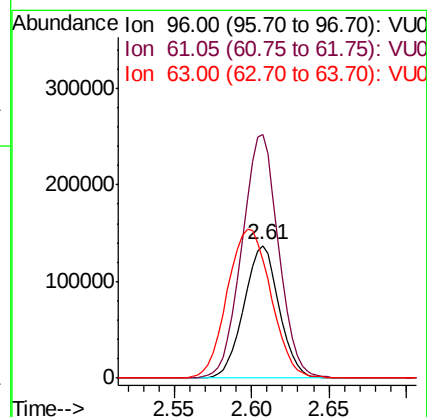
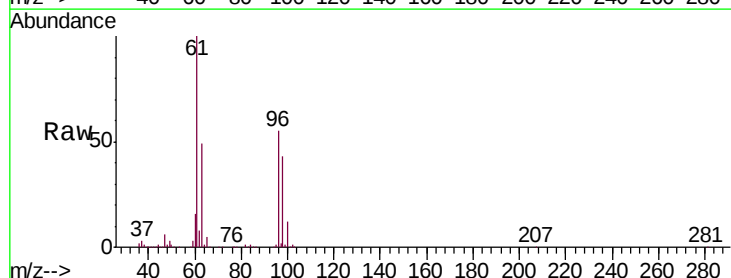
Tgt Ion: 96 Resp: 217480

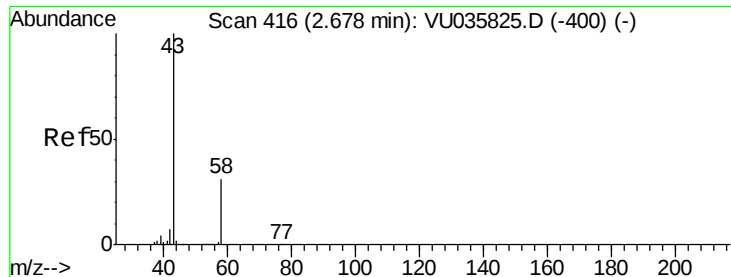
Ion Ratio Lower Upper

96 100

61 183.2 139.3 258.7

63 88.9 93.7 174.1#





#13

Acetone

Concen: 1.552 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035833.D

Acq: 25 Nov 2019 18:55

Instrument :

MSVOA_U

ClientSampleId :

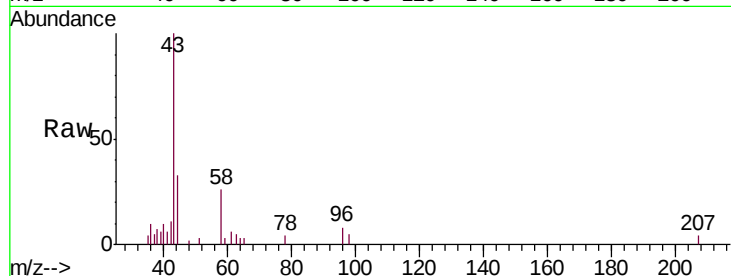
GARE5MSD

Tgt Ion: 43 Resp: 10443

Ion Ratio Lower Upper

43 100

58 31.6 0.0 61.2

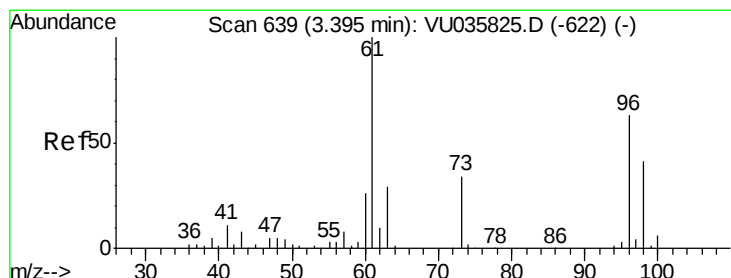
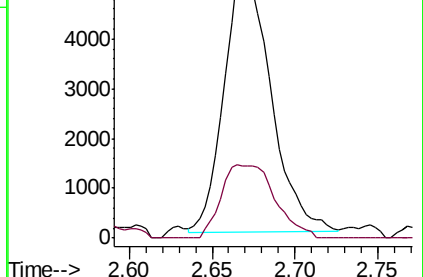
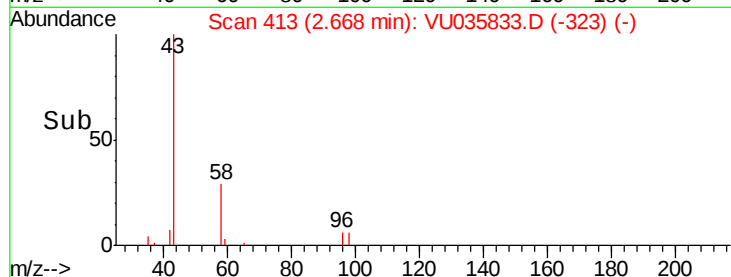


Abundance Ion 43.05 (42.75 to 43.75): VU035825.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU035825.D (-400) (-)

2.67

Time-->



#18

trans-1,2-Dichloroethene

Concen: 3.550 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU035833.D

Acq: 25 Nov 2019 18:55

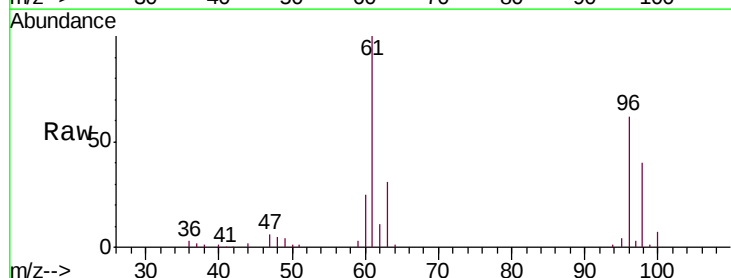
Tgt Ion: 96 Resp: 92205

Ion Ratio Lower Upper

96 100

61 160.6 111.1 206.3

98 64.4 43.1 80.1



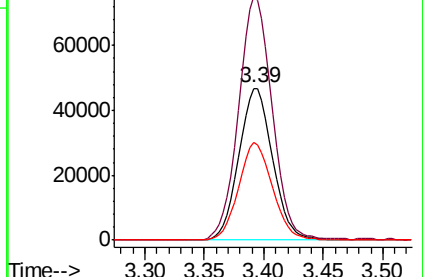
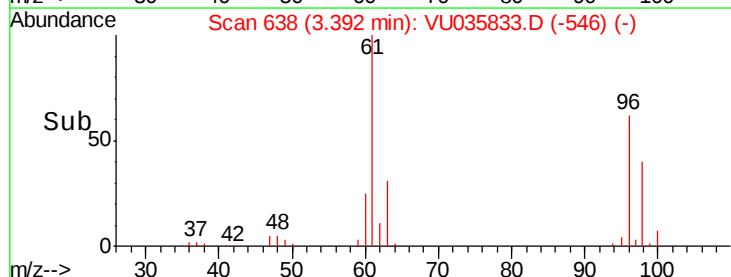
Abundance Ion 96.00 (95.70 to 96.70): VU035825.D (-622) (-)

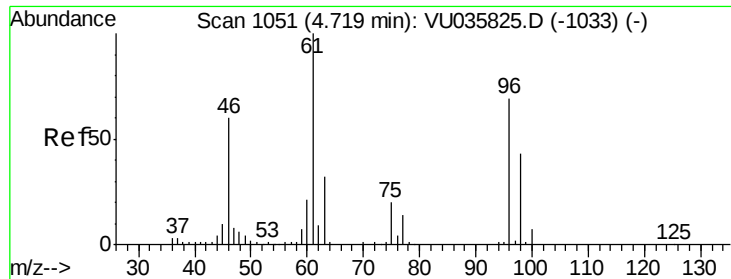
Ion 61.05 (60.75 to 61.75): VU035825.D (-622) (-)

Ion 97.95 (97.65 to 98.65): VU035825.D (-622) (-)

3.39

Time-->

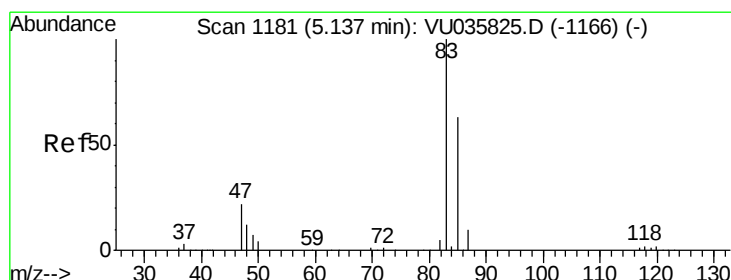
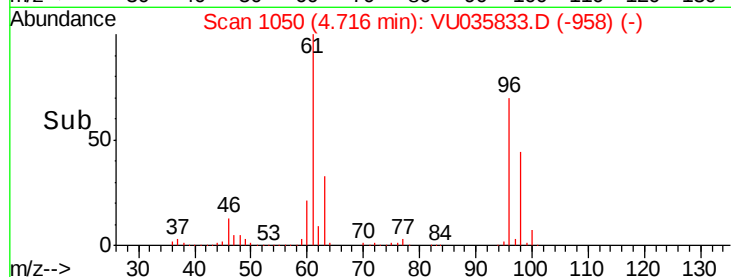
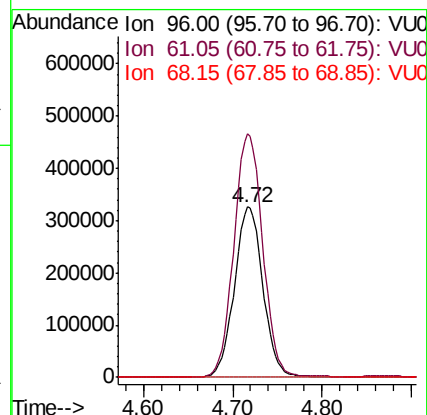
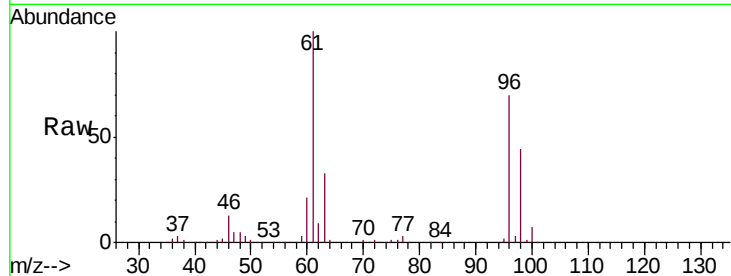




#22
 cis-1,2-Dichloroethene
 Concen: 24.974 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU035833.D
 Acq: 25 Nov 2019 18:55

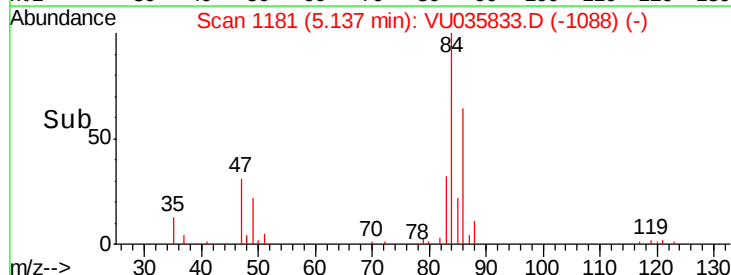
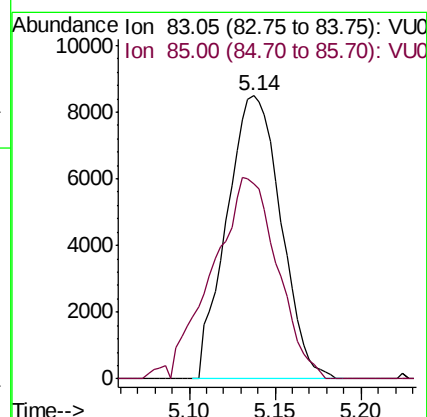
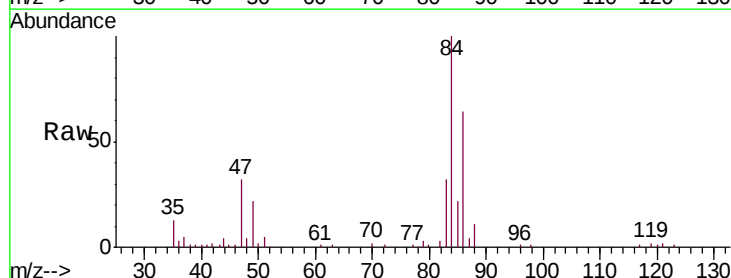
Instrument :
 MSVOA_U
 ClientSampleId :
 GARE5MSD

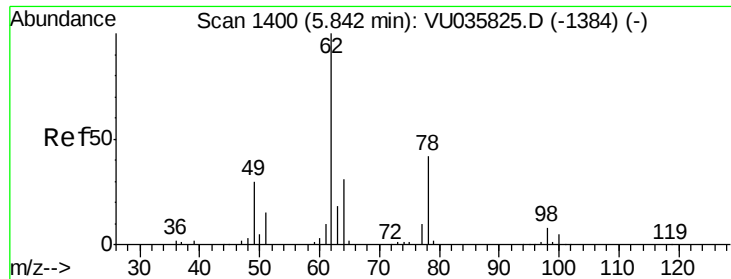
Tgt Ion: 96 Resp: 722773
 Ion Ratio Lower Upper
 96 100
 61 143.0 98.1 182.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.328 ug/L
 RT: 5.14 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU035833.D
 Acq: 25 Nov 2019 18:55

Tgt Ion: 83 Resp: 18632
 Ion Ratio Lower Upper
 83 100
 85 69.0 44.6 82.8

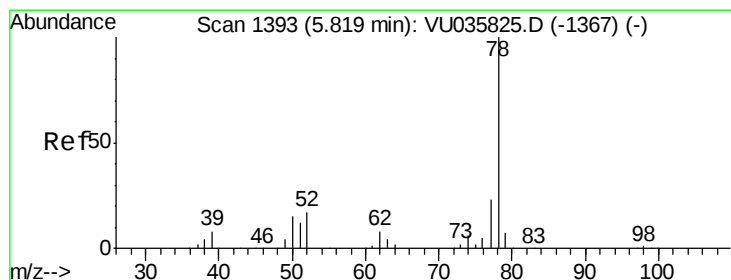
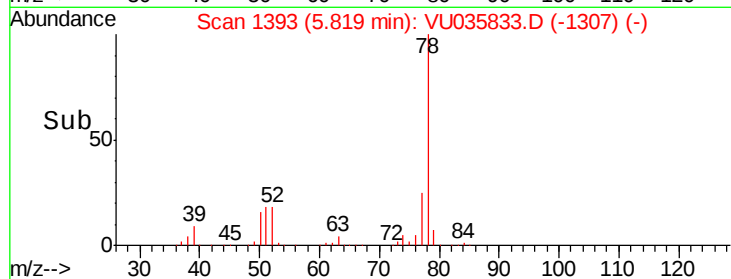
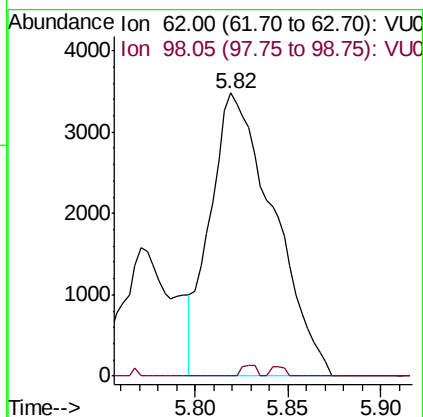
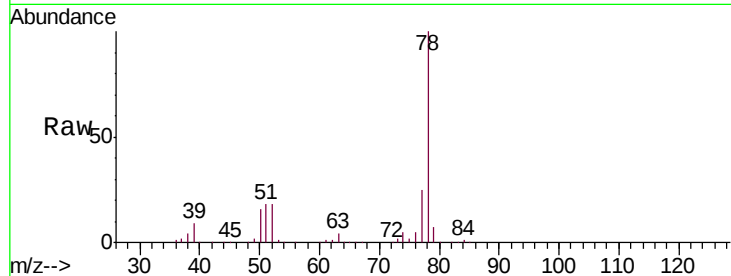




#27
 1,2-Dichloroethane
 Concen: 0.221 ug/L
 RT: 5.82 min Scan# 1393
 Delta R.T. -0.02 min
 Lab File: VU035833.D
 Acq: 25 Nov 2019 18:55

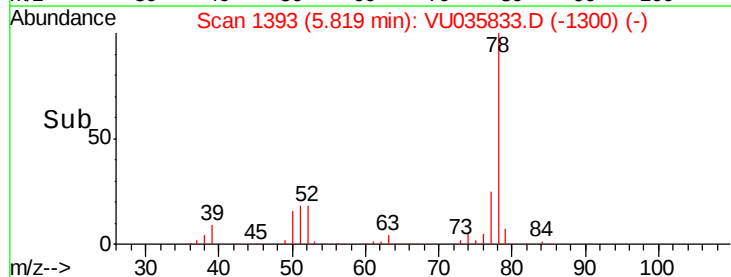
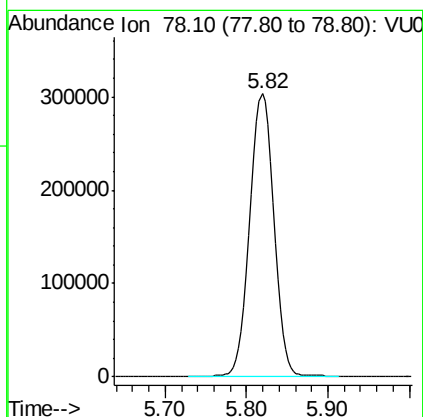
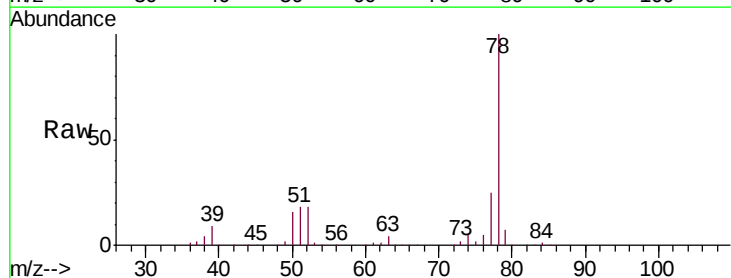
Instrument :
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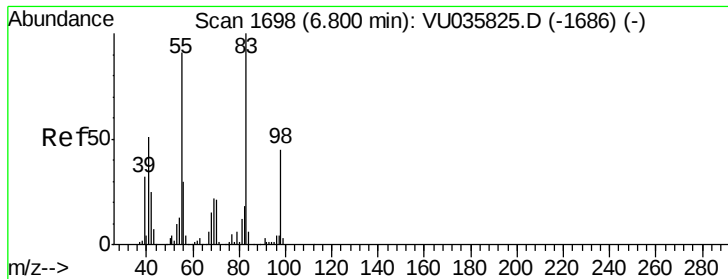
Tgt Ion: 62 Resp: 8265
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.2 9.4#



#33
 Benzene
 Concen: 5.335 ug/L
 RT: 5.82 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VU035833.D
 Acq: 25 Nov 2019 18:55

Tgt Ion: 78 Resp: 619738

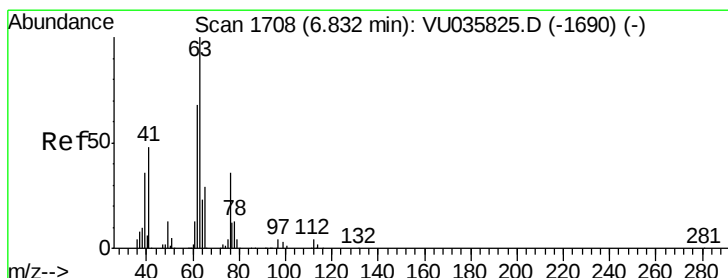
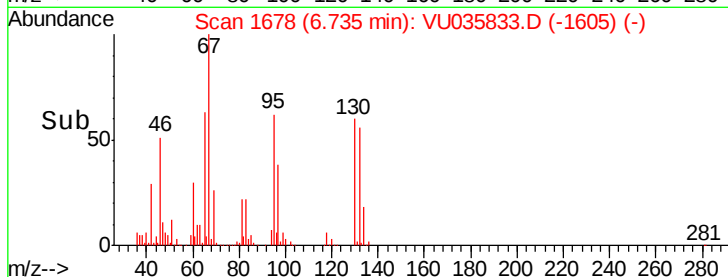
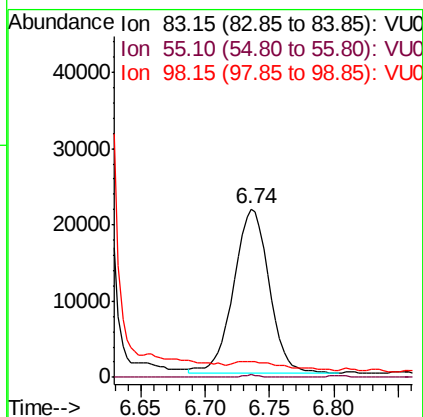
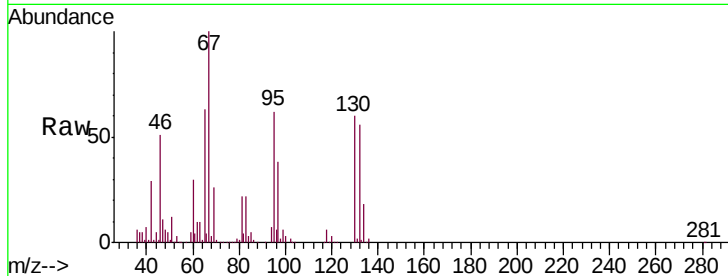




#35
Methylcyclohexane
Concen: 0.979 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035833.D
Acq: 25 Nov 2019 18:55

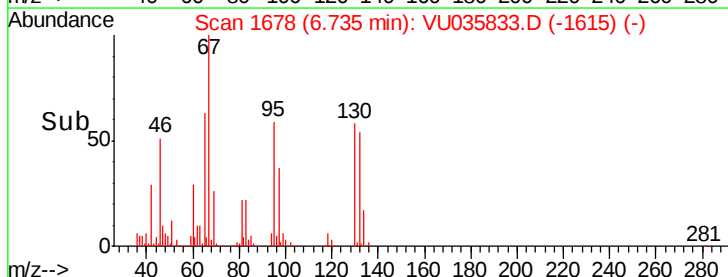
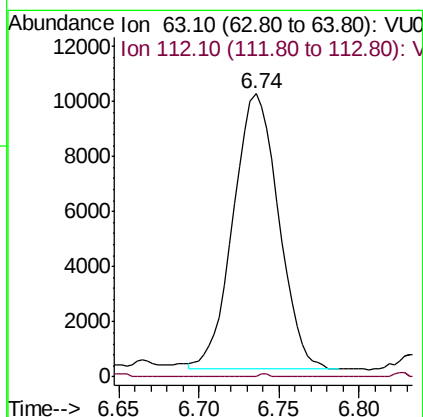
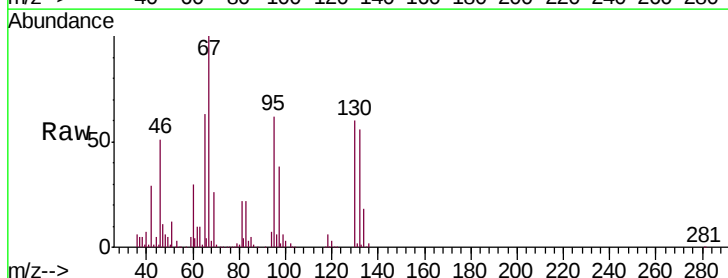
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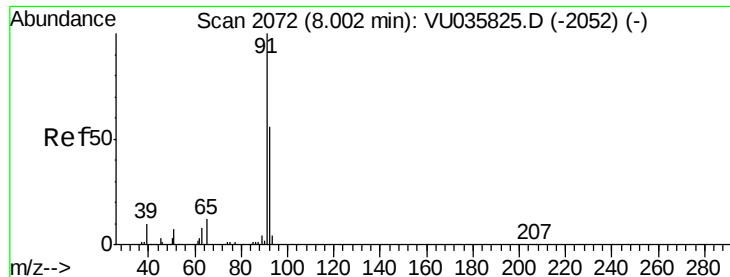
Tgt Ion: 83 Resp: 40910
Ion Ratio Lower Upper
83 100
55 0.7 72.7 109.1#
98 0.0 36.2 54.4#



#37
1,2-Dichloropropane
Concen: 0.588 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU035833.D
Acq: 25 Nov 2019 18:55

Tgt Ion: 63 Resp: 19363
Ion Ratio Lower Upper
63 100
112 0.2 2.7 4.1#





#42

Toluene

Concen: 5.031 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035833.D

Acq: 25 Nov 2019 18:55

Instrument :

MSVOA_U

ClientSampleId :

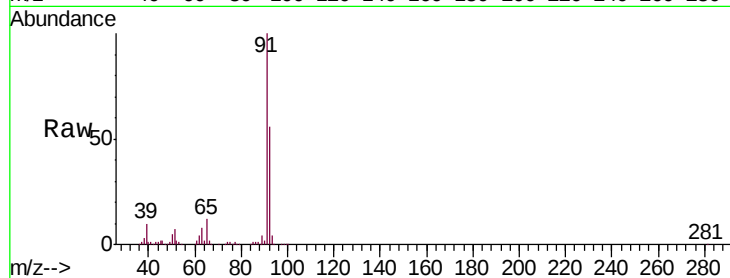
GARE5MSD

Tgt Ion: 91 Resp: 607953

Ion Ratio Lower Upper

91 100

92 56.1 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU035825.D (-2052) (-)

Ion 92.15 (91.85 to 92.85): VU035825.D (-2052) (-)

8.00

400000

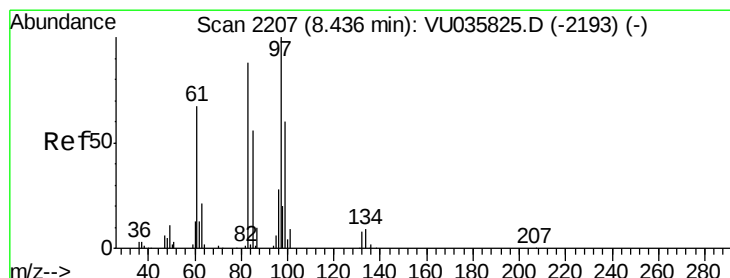
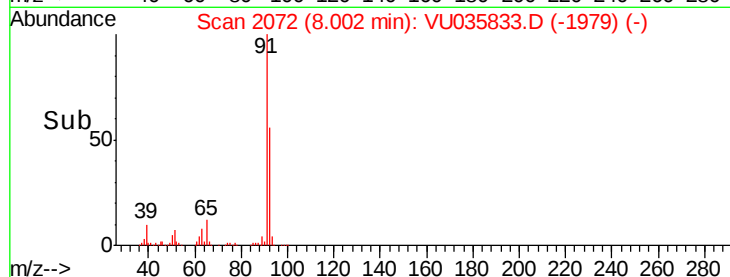
300000

200000

100000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.648 ug/L

RT: 8.44 min Scan# 2207

Delta R.T. -0.00 min

Lab File: VU035833.D

Acq: 25 Nov 2019 18:55

Tgt Ion: 97 Resp: 13906

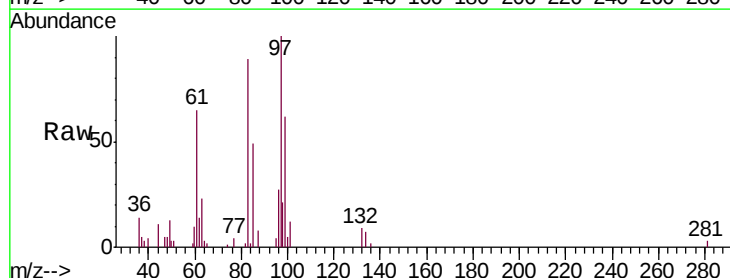
Ion Ratio Lower Upper

97 100

99 62.2 44.2 82.0

83 89.1 62.2 115.6

85 48.7 41.5 77.1



Abundance Ion 96.95 (96.65 to 97.65): VU035825.D (-2193) (-)

Ion 99.05 (98.75 to 99.75): VU035825.D (-2193) (-)

Ion 82.95 (82.65 to 83.65): VU035825.D (-2193) (-)

Ion 85.00 (84.70 to 85.70): VU035825.D (-2193) (-)

8.44

12000

10000

8000

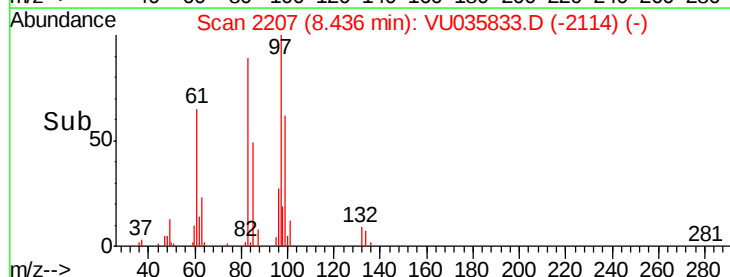
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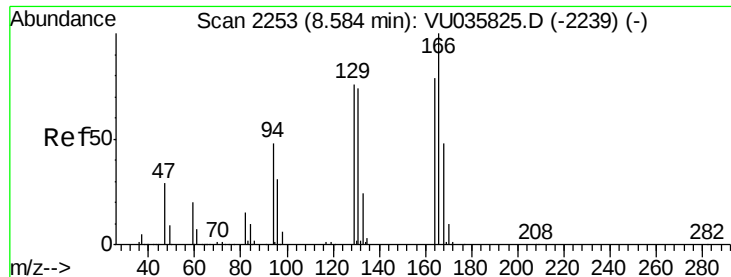
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Time-->

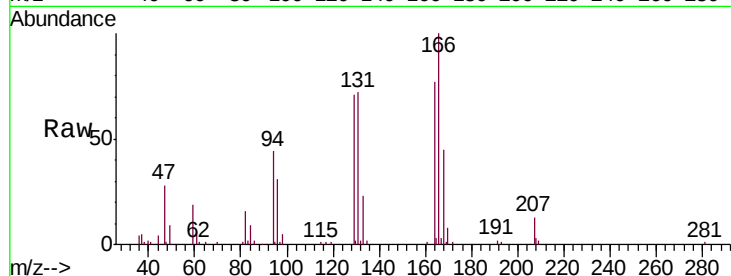




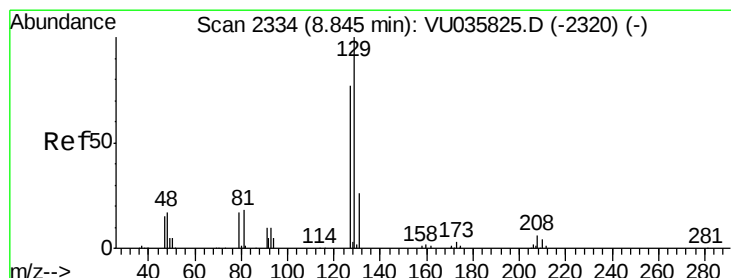
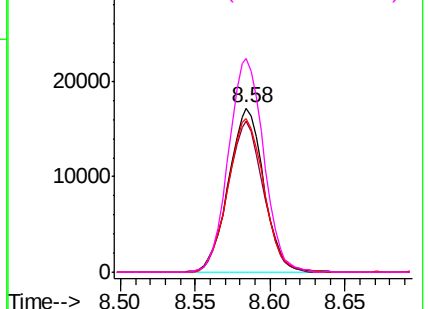
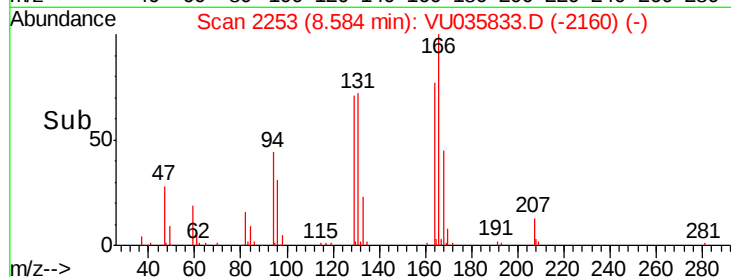
#47
Tetrachloroethene
Concen: 1.302 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035833.D
Acq: 25 Nov 2019 18:55

Instrument :
MSVOA_U
ClientSampleId :
GARE5MSD

Tgt Ion:164 Resp: 28208
Ion Ratio Lower Upper
164 100
129 91.9 68.8 127.8
131 93.7 67.3 124.9
166 130.3 91.6 170.2

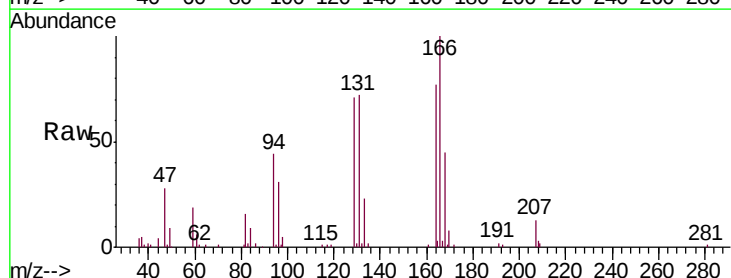


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

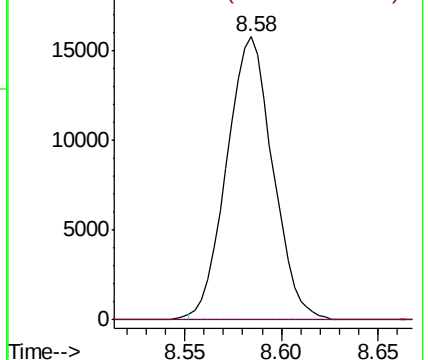
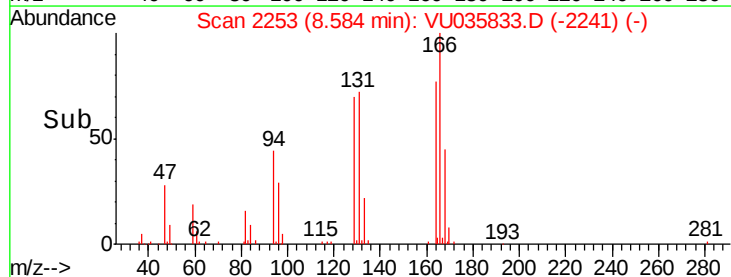


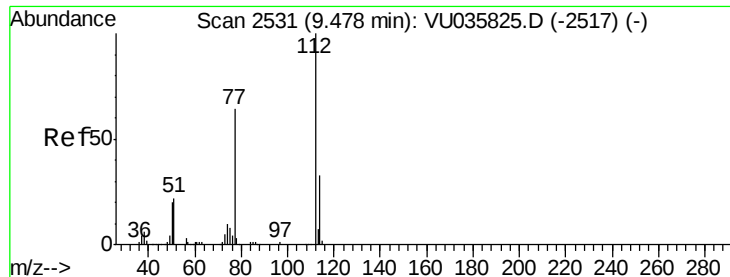
#49
Dibromochloromethane
Concen: 1.032 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035833.D
Acq: 25 Nov 2019 18:55

Tgt Ion:129 Resp: 26136
Ion Ratio Lower Upper
129 100
127 0.0 53.1 98.5#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#51

Chlorobenzene

Concen: 5.075 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU035833.D

Acq: 25 Nov 2019 18:55

Instrument :

MSVOA_U

ClientSampleId :

GARE5MSD

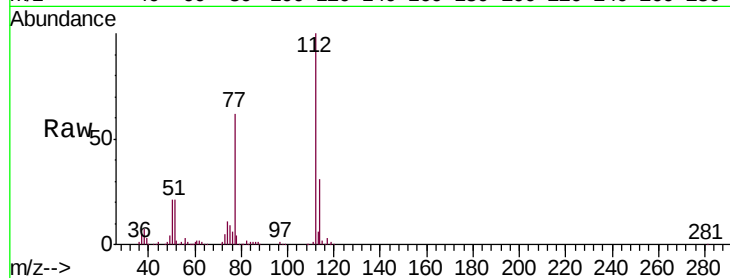
Tgt Ion: 112 Resp: 379843

Ion Ratio Lower Upper

112 100

114 30.7 22.2 41.2

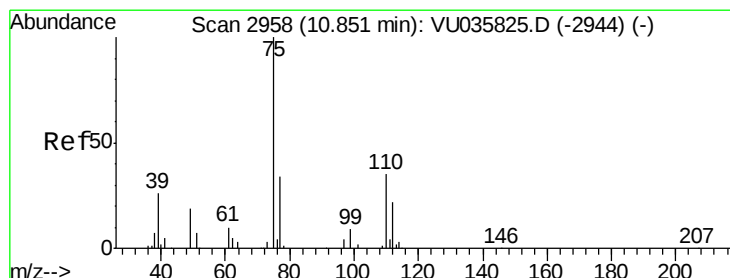
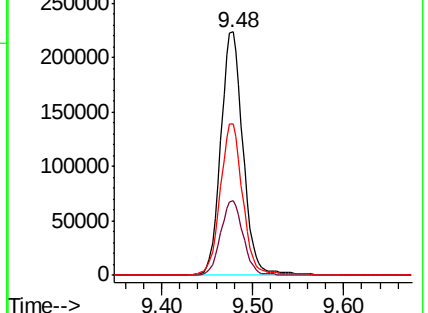
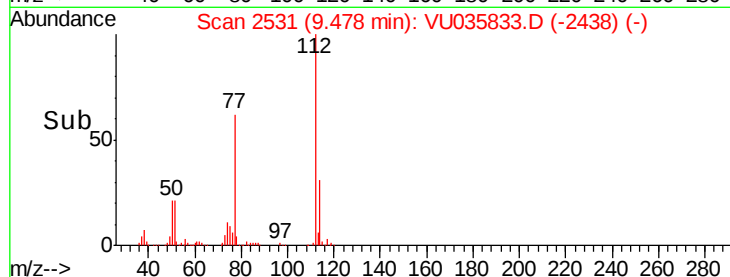
77 62.1 50.1 75.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#59

1,2,3-Trichloropropane

Concen: 0.745 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.98 min

Lab File: VU035833.D

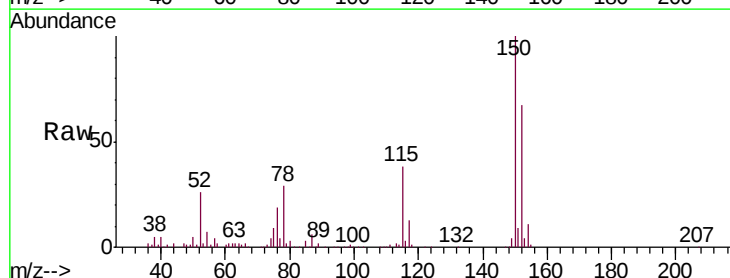
Acq: 25 Nov 2019 18:55

Tgt Ion: 75 Resp: 15946

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

